

# 5

## UNI Dicht



## Die bewährte UNI Dicht – metrisch

*Reliable and tested: UNI Dicht –  
metric*



Abb. 1 – UNI Zug Dicht-Kabelverschraubung  
Fig. 1 – UNI Dicht Strain relief cable gland

Abb. 2 – UNI Mehrfach mit geteiltem Dichteinsatz für konfektionierte  
Kabel  
Fig. 2 – UNI Multiple with split sealing insert for pre-assembled cables

### Anwendungsorientierte Individualität

Das PFLITSCH-Kabelverschraubungssystem UNI Dicht erfüllt mit seiner Typenvielfalt viele weltweite Anforderungen für Kabel- und Leitungseinführungen. Dabei können EMV- und Ex-Schutz ebenso realisiert werden wie das Einführen von Flach- und Sonderkabeln (z. B. ASI-Bus) oder konfektionierten Kabeln durch geteilte Dichteinsätze. Aber auch Mehrfach-Kabelverschraubungen oder Winkel- und Flanschverschraubungen können verwendet werden. Zudem sind Kombinationen mit Wellrohren und Schutzschläuchen für einen umfassenden mechanischen Kabelschutz möglich.

### Individualität in Metall und Kunststoff

Die UNI Dicht-Kabelverschraubung besteht aus dem Verschraubungskörper und dem gewünschten Dichteinsatz. Aus diesen Systemteilen stellt sich der Anwender seine individuelle Verschraubung zusammen – passend zu Einsatzbedingungen, Kabeldurchmessern, Umgebungstemperaturen, Anzahl der Kabel usw. Das ist Individualität in Serienqualität!

UNI Dicht gibt es in den aktuellen Größen M4 bis M120, weiterhin aber auch mit den gängigen Pg-Gewinden und mit internationalen Sondergewinden wie NPT oder Zoll. Die Verschraubungskörper sind verfügbar in den Metallen Messing, Zink, Edelstahl, Aluminium und in den Kunststoffen PVDF und Polycarbonat. Die Dichteinsätze fertigt PFLITSCH aus den hochwertigen Materialien TPE, TPE-V und Silikon. Diese thermoplastischen Elastomere (TPE und TPE-V) und das Silikon sind resistent gegen Chemikalien und sorgen für eine verbesserte Zugentlastung, da sie, z. B. in Kontakt mit Schneidölen, ihr Volumen leicht vergrößern. Darüber hinaus erfüllen UNI Dicht-Kabelverschraubungen serienmäßig hohe Schutzarten bis zu IP 68 (bis 10 bar) bzw. IP 69.

### Baukastensystem für alle Anforderungen

Entsprechend den Einsatzanforderungen kann der Anwender seine individuelle Kabelverschraubung zusammenstellen: Ein bestimmtes Anschlussgewinde, Biegeschutz, erhöhte Zugentlastung, Winkelverschraubungen, Abdichtung von Flachkabeln, geteilte Dichteinsätze für konfektionierte Kabel oder die Kombination mit Schläuchen oder Wellrohren sind im System einfach zu realisieren. Sind vorhandene Bohrungen zu klein, hilft UNI Dicht in der erweiterten Bauform. Auch das „Lochen nach Wunsch“ ist auf Anfrage möglich.

### Application-oriented individuality

With its multiplicity of types, the PFLITSCH cable gland system UNI Dicht fulfils all the EU requirements for line and cable entries. EMC and explosion protection, insertion of flat and special cables (e.g. ASI-Bus) or pre-assembled cables through divided sealing inserts or several – even different – lines by a multiple gland can be realised as well as by angle and flange glands. Moreover, the combination with corrugated pipes and protective hoses for all-round mechanical cable protection is possible.

### Individuality in metal and plastic

The UNI Dicht gland comprises the gland body and the individual sealing insert. Users assemble their individual gland from these system parts in order to meet their conditions of application, the cable diameters, ambient temperatures, number of cables, etc. This is individuality in serial quality!

UNI Dicht currently comes in the sizes M4 to M120, as well as in the well-established Pg threads and with international special threads such as NPT or inch. The system is available in the metals brass, zinc, stainless steel and aluminium, and in the plastics PVDF and polycarbonate. PFLITSCH produces the sealing inserts from high-grade TPE, TPE-V and silicone (LSR). These thermoplastic elastomers (TPE + TPE-V) and the silicone are resistant to many modern chemicals and make for improved strain relief, since volume increases slightly on contact, for example, with cutting oil. Furthermore, UNI Dicht cable glands achieve a high protection rating of up to IP 68 (up to 10 bar) or IP 69 as standard.

### Modular system for all requirements

Users can fit their individual cable gland to meet the application requirements: Another connecting thread, bending protection, increased strain relief, angle glands, sealing of flat cables, split sealing inserts for pre-assembled cables or the combination with hoses or corrugated pipes are simple to achieve in the system. Should existing boreholes be a little too small, UNI Dicht will help in the extended configuration. Customised perforations are also available on request.



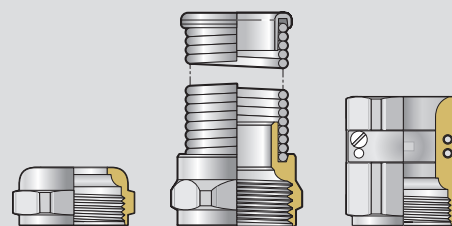
Abb. 1 – Kabelverschraubung mit geschlossenem Dichteinsatz  
Fig. 1 – Cable gland with closed sealing insert

Abb. 2 – UNI Biegeschutz Dicht-Kabelverschraubung  
Fig. 2 – UNI Dicht Bending protection cable gland

## Das PFLITSCH-System UNI Dicht metrisch Systemteile/Seitenübersicht

The PFLITSCH system  
UNI Dicht metric  
System parts/page reference

**DS = Druckschraube**  
DS = pressure screw



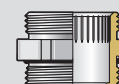
| Werkstoff<br>Material         | Standard<br>Standard      | UNI Flex<br>UNI Flex  | UNI Klemm<br>UNI Clamping     |
|-------------------------------|---------------------------|-----------------------|-------------------------------|
| Messing<br>Brass              | Seite 80-81<br>Page 80-81 | Seite 129<br>Page 129 | Seite 124-125<br>Page 124-125 |
| Edelstahl<br>Stainless steel  | Seite 82-83<br>Page 82-83 |                       |                               |
| Polycarbonat<br>Polycarbonate | Seite 84<br>Page 84       |                       |                               |
| PVDF<br>PVDF                  | Seite 85-86<br>Page 85-86 |                       |                               |

**E = Dichteinsatz**  
E = sealing insert



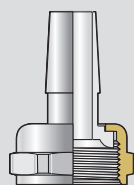
| Werkstoff<br>Material | Standard<br>Standard      | Erweitert kurz<br>Extended short | Erhöhte<br>Zugentlastung<br>Increased strain relief | EMV HF<br>EMC HF              | EMV Konus<br>EMC cone         | Mehrfach<br>Form N<br>Multiple form N |
|-----------------------|---------------------------|----------------------------------|-----------------------------------------------------|-------------------------------|-------------------------------|---------------------------------------|
| TPE<br>TPE            | Seite 80-87<br>Page 80-87 | Seite 90-92<br>Page 90-92        | Seite 120-123<br>Page 120-123                       | Seite 230-232<br>Page 230-232 | Seite 250-251<br>Page 250-251 | Seite 100-106<br>Page 100-106         |
| TPE-V<br>TPE-V        | Seite 80-87<br>Page 80-87 | Seite 90-92<br>Page 90-92        | Seite 120-123<br>Page 120-123                       | Seite 230-232<br>Page 230-232 | Seite 250-251<br>Page 250-251 | Seite 100-106<br>Page 100-106         |
| Silikon<br>Silicone   | Seite 80-87<br>Page 80-87 | Seite 90-92<br>Page 90-92        |                                                     | Seite 230-232<br>Page 230-232 | Seite 250<br>Page 250         | Seite 107<br>Page 107                 |

**DN = Doppelnippel**  
DN = double nipple



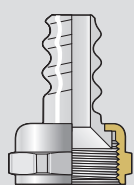
| Werkstoff<br>Material         | Gewindelänge<br>Standard<br>Standard thread length |
|-------------------------------|----------------------------------------------------|
| Messing<br>Brass              | Seite 80-81<br>Page 80-81                          |
| Edelstahl<br>Stainless steel  | Seite 82-83<br>Page 82-83                          |
| Polycarbonat<br>Polycarbonate | Seite 84<br>Page 84                                |
| PVDF<br>PVDF                  | Seite 85-86<br>Page 85-86                          |
| Zink<br>Zinc                  |                                                    |

**DS & DN = VK (Verschraubungskörper)**  
DS & DN = VK (gland body)



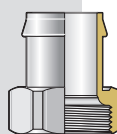
**Glatte Schläuche dünnwandig**  
*Plain, thin-walled hoses*

Seite 413  
Page 413



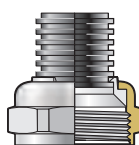
**UL-Schlauch**  
*UL hose*

Seite 411  
Page 411



**Glatte Schläuche**  
*Plain hose*

Seite 415-416  
Page 415-416



**UNI Wellrohr**  
*UNI corrugated conduit*

Seite 405  
Page 405

Auf Anfrage  
*On request*

Auf Anfrage  
*On request*

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Page 417

Seite 414  
Page 414

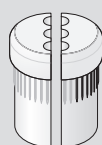
Seite 412  
Page 412

Seite 406  
Page 406



**Mehrfach Form E**  
*Multiple form E*

Seite 100-106  
Page 100-106



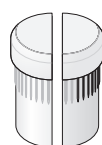
**Mehrfach geteilt**  
*Multiple split version*

Seite 109-110  
Page 109-110



**Geschlossen**  
*Closed*

Seite 108  
Page 108



**Geschlossen – geteilt**  
*Closed – split version*

Seite 109-110  
Page 109-110



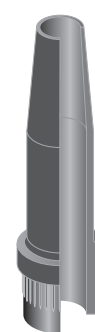
**Flachkabel**  
*Flat cable*

Seite 113-117  
Page 113-117



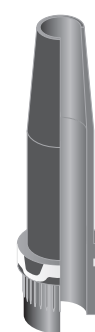
**ASi-Bus-Kabel**  
*ASi-Bus cable*

Seite 111-112  
Page 111-112



**Biegeschutz**  
*Bending protection*

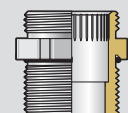
Auf Anfrage  
*On request*



**Biegeschutz/erhöhte Zugentlastung**  
*Bending protection incl. strain relief*

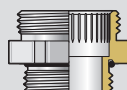
Auf Anfrage  
*On request*

Seite 130-132  
Page 130-132



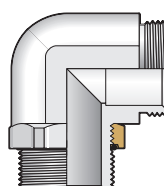
**Gewindelänge lang**  
*Long thread length*

Seite 80-81,87  
Page 80-81,87



**Form E erweitert**  
*Form E extended*

Seite 90  
Page 90



**Winkel**  
*Angle*

Seite 82-83  
Page 82-83

Seite 91  
Page 91

Seite 365,368  
Page 365,368

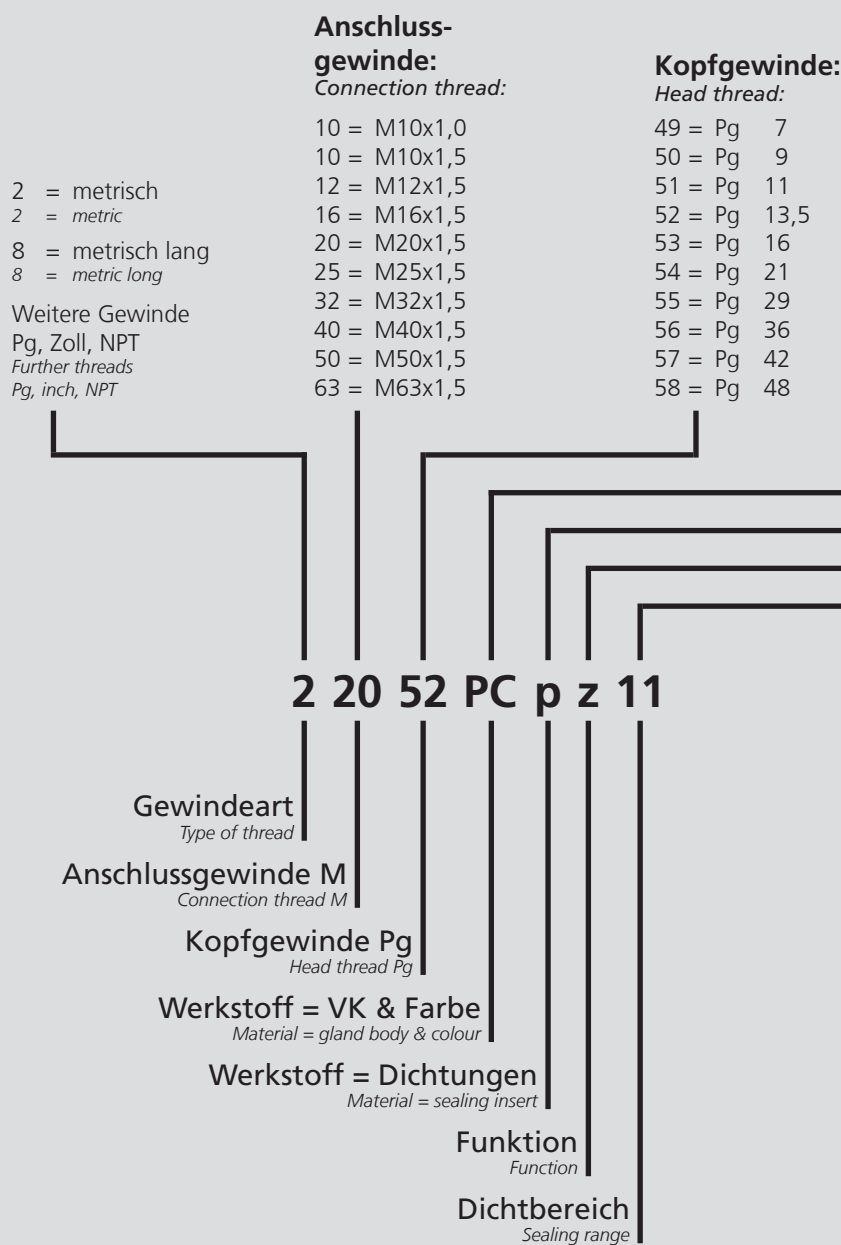
Seite 85  
Page 85

Seite 92  
Page 92

Seite 362-364,367  
Page 362-364,367

## Das PFLITSCH-System UNI Dicht metrisch Aufbau der Artikelnummern

*The PFLITSCH system  
UNI Dicht metric  
Article number structure*



**Funktion:**
**Function:**

- = Standard-Dichteinsatz  
*standard sealing insert*
- z = Zugentlastung  
*strain relief*
- e = Entstörung  
*interference suppression*
- ez = Entstörung & Zugentlastung  
*interference suppression  
& strain relief*
- L = Biegeschutz  
*bending protection*
- Lz = Biegeschutz & Zugentlastung  
*bending protection  
& strain relief*
- m = Mehrfach  
*multiple*
- mK = Multifunktion (Stecker)  
*multifunction (connector)*
- s = Schlauch  
*hose*

**Dichtbereich:**
**Sealing range:**

- 7 = 6,5 - 4,0
- 8 = 8,0 - 5,0
- 9 = 9,5 - 6,5
- 11 = 10,5 - 7,0
- 13 = 13,0 - 9,0
- 16 = 15,5 - 11,5
- 18 = 18,0 - 14,0
- 20 = 20,5 - 17,0
- 25 = 25,0 - 20,0
- 28 = 28,0 - 24,0
- 32 = 32,0 - 27,0
- 34 = 34,0 - 29,0
- 36 = 36,0 - 32,0
- 40 = 40,0 - 36,0
- 44 = 44,0 - 39,0

**Werkstoffe**
**Verschraubungskörper:**
**Materials gland body:**

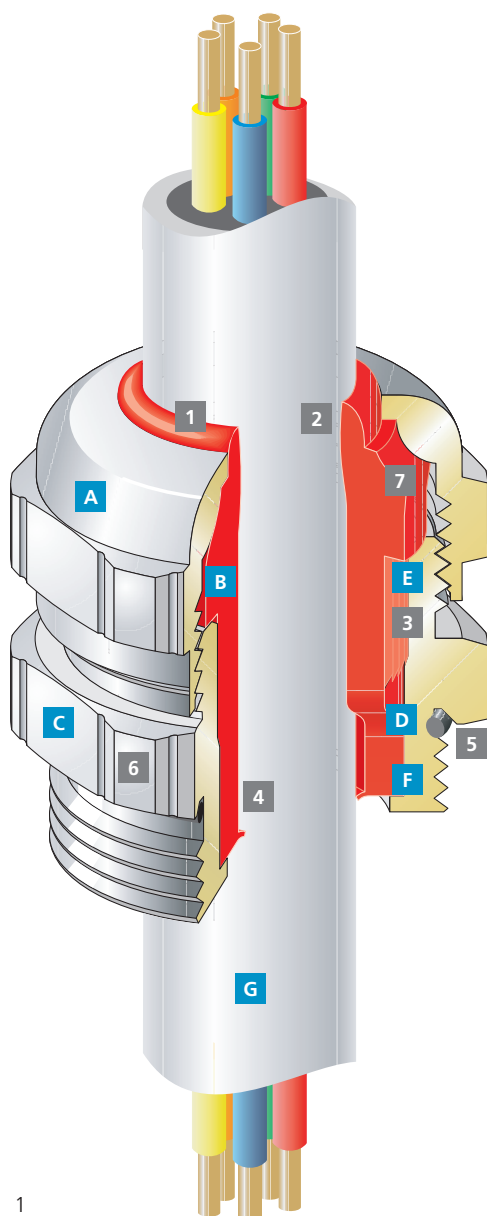
- d = Messing vernickelt  
*brass, nickel plated*
- st = VA (1.4305)  
*AISI 303*
- PC = Polycarbonat  
*polycarbonate*
- PCn = Polycarbonat      Farbe schwarz  
*polycarbonate*      *Colour black*
- PCw = Polycarbonat      Winkel  
*polycarbonate*      *Angle*
- y = PVDF      Farbe transparent  
                    *Colour transparent*
- ya = PVDF      Farbe blau  
                    *Colour blue*
- yn = PVDF      Farbe schwarz  
                    *Colour black*
- VW = Zink      Winkel  
                    *zinc*      *Angle*

**Werkstoffe  
Dichtungen:**
**Materials  
sealing inserts:**

- = TPE
- p = TPE-V
- H = Silikon  
*silicone*
- g = geschlossen  
*closed*
- B = Brandschutz  
*fire protection*

## Das PFLITSCH-System UNI Dicht – Komponenten

*The PFLITSCH system  
UNI Dicht –  
components*



1

Abb. 1 – Querschnitt einer UNI Dicht-Kabelverschraubung  
Fig. 1 – Cross-section of a UNI Dicht cable gland

### Komponenten:

*Components:*

- A** Druckschraube (DS)  
*Pressure screw (DS)*
  - Messing, galvanisch vernickelt  
*- Brass, galvanic nickel-plated*
  - Edelstahl (1.4305)  
*- Stainless steel (AISI 303)*
  - Edelstahl (1.4571)  
*- Stainless steel (AISI 316 Ti)*
  - Polycarbonat (PC)  
*- Polycarbonate (PC)*
  - PVDF
  - PVDF
- B** Dichteinsatz (E)  
*Sealing insert (E)*
  - TPE
  - TPE
  - TPE-V
  - TPE-V
  - Silikon  
*- Silicone*
- C** Doppelnippel (DN)  
*Double nipple (DN)*
  - Messing, galvanisch vernickelt  
*- Brass, galvanic nickel-plated*
  - Edelstahl (1.4305)  
*- Stainless steel (AISI 303)*
  - Edelstahl (1.4571)  
*- Stainless steel (AISI 316 Ti)*
  - Polycarbonat (PC)  
*- Polycarbonate (PC)*
  - PVDF
  - PVDF
- D** O-Ring  
*O-ring*  
Bei metallischen DN  
*With metallic DN*
  - Kautschuk (HNBR)  
*- Rubber (HNBR)*
  - Silikon  
*- Silicone*
- E** Kopfgewinde  
*Head thread*
  - Standard
  - Standard
  - Erweitert  
*- Extended*
  - Reduziert (auf Anfrage)  
*- Reduced (on request)*
- F** Anschlussgewinde  
*Connection thread*
  - Metrisch  
*- Metric*
  - Pg
  - Pg
  - NPT
  - NPT
  - Zoll  
*- Inch*
  - Standard/Lang
  - Standard/long
- G** Kabel  
*Cable*

### Vorteile:

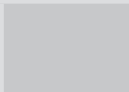
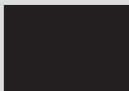
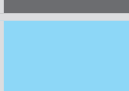
#### Advantages:

- 1** - Kein stehendes Wasser  
- No standing water  
- IP 68 bis 10 bar zum Kabel und zur Druckschraube  
- IP 68 up to 10 bar to the cable and pressure screw
- 2** - Radialsymmetrisch weiche Kabelpressung  
- Radially symmetrical soft cable pressing  
- Großflächige Zugentlastung  
- Large-area strain relief  
- Keine Beschädigung des Kabels  
- No damage to the cable
- 3** - Verdrehenschutz durch Rändelung am Doppelnippel (DN) und Dichteinsatz (E)  
- Protection against distortion by knurling on the double nipple (DN) and sealing insert (E)  
- Kein Verdrehen des Kabels bei Montage/Demontage  
- No cable twisting in assembly/disassembly
- 4** - IP 54 durch Membrane am Dichteinsatz ohne Anziehen der Druckschraube (DS)  
- IP 54 through diaphragms on the sealing insert without the pressure screw (DS) tightened up
- 5** - Nutgeführter O-Ring sichert Abdichtung zur Gehäusewandung  
- Groove-guided o-ring secures sealing to the housing wall
- 6**  Kennzeichnung unserer Qualität: zwölf Riefen – das PFLITSCH-Warenzeichen  
- Marking of our quality: Twelve grooves – the PFLITSCH trademark
- 7** - Farbcodierung der TPE-Dichteinsätze (E), dadurch direkte Zuordnung und Überprüfung der Dichteinsätze zu den verwendeten Kabeldurchmessern  
- Colour coding of the TPE sealing inserts (E), thereby enabling direct assignment and checking of the sealing inserts for the cable diameters used



### UNI-Farbcode (FC) für TPE-Dichteinsätze

#### UNI colour code (CC) for TPE sealing inserts

|                                                                                     | Farbcode FC<br>Colour code CC   | Dichtbereich<br>Sealing range<br>max./min. Ø | Anschlussgewinde<br>Connection thread                           |
|-------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------|-----------------------------------------------------------------|
|    | <b>Gelb</b><br>Yellow           | (ge) 6,5 – 4,0                               | M10, M12, M16, M20, M25<br>Pg 7, Pg 9, Pg 11, Pg 13,5,<br>Pg 16 |
|    | <b>Grau</b><br>Grey             | (gu) 8,0 – 5,0                               | M12, M16, M20, M25<br>Pg 9, Pg 11, Pg 13,5, Pg 16               |
|    | <b>Schwarz</b><br>Black         | (sw) 9,5 – 6,5                               | M12, M16, M20, M25<br>Pg 9, Pg 11, Pg 13,5, Pg 16               |
|    | <b>Grün</b><br>Green            | (gr) 10,5 – 7,0                              | M16, M20, M25, M32<br>Pg 11, Pg 13,5, Pg 16, Pg 21              |
|   | <b>Rot</b><br>Red               | (rt) 13,0 – 9,0                              | M16, M20, M25, M32<br>Pg 9, Pg 13,5, Pg 16, Pg 21               |
|  | <b>Weiß</b><br>White            | (ws) 15,5 – 11,5                             | M20, M25, M32, M40<br>Pg 16, Pg 21, Pg 29                       |
|  | <b>Blau</b><br>Blue             | (bl) 18,0 – 14,0                             | M20, M25, M32, M40<br>Pg 16, Pg 21, Pg 29                       |
|  | <b>Braun</b><br>Brown           | (br) 20,5 – 17,0                             | M20, M25, M32, M40<br>Pg 13,5, Pg 16, Pg 21, Pg 29              |
|  | <b>Orange</b><br>Orange         | (or) 25,0 – 20,0                             | M32, M40<br>Pg 16, Pg 21, Pg 29                                 |
|  | <b>Hellgelb</b><br>Light yellow | (hg) 28,0 – 24,0                             | M32, M40<br>Pg 16, Pg 21, Pg 29                                 |
|  | <b>Anthrazit</b><br>Anthracite  | (an) 32,0 – 27,0                             | M32, M40, M50<br>Pg 21, Pg 29, Pg 36                            |
|  | <b>Hellblau</b><br>Light blue   | (hb) 34,0 – 29,0                             | M32, M40, M50<br>Pg 21, Pg 29, Pg 36                            |
|  | <b>Rosa</b><br>Pink             | (rs) 36,0 – 32,0                             | M32, M40, M50<br>Pg 21, Pg 29, Pg 36                            |
|  | <b>Weiß</b><br>White            | (ws) 40,0 – 36,0                             | M50<br>Pg 36, Pg 42                                             |
|  | <b>Weiß</b><br>White            | (ws) 44,0 – 39,0                             | M63<br>Pg 48                                                    |



Ab Größe M63 standardmäßig weiße Dichteinsätze  
From size M63 standard white sealing inserts

# UNI Dicht-Kabelverschraubung

UNI Dicht cable gland



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt**  
**Metrisches Anschlussgewinde EN 60423**  
**Mit O-Ring HNBR**  
**Schutzart IP 68 bis 10 bar, Type 4X**  
**Zugentlastung bis Klasse A, EN 62444**

Brass, nickel-plated  
Metric connection thread EN 60423  
With o-ring HNBR  
Type of protection IP 68 up to 10 bar, Type 4X  
Strain relief up to class A, EN 62444

**i Gewinde-Varianten:** Standard-Maß D  
Thread variants: 15 mm Länge  
Standard size D 15 mm length  
= Art.-Nr. 22052...  
= Art.-Nr. 82052...  
= art. no. 22052...  
= art. no. 82052...

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE                                               | s. FC<br>s. CC   |                                         | -40 °C / +130 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -55 °C / +200 °C                                             |

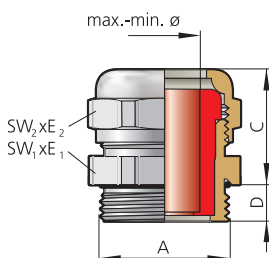


Abb. 3  
Fig. 3

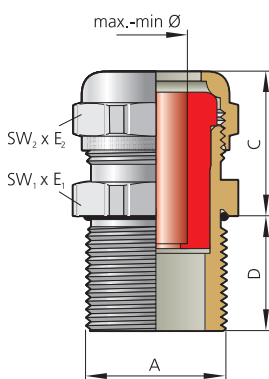


Abb. 4 – Ausführung lang/D = 15 mm  
Fig. 4 – Longer execution/D = 15 mm

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |           | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width |                                                                          |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|-----------|----------------------------|---------------------------------|--------------------------------------------------------------------------|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |           |                            |                                 |                                                                          |
| A                                                   | D<br>mm | TPE<br>TPE-V<br>Silikon HT/Silicone HT                       | =<br>=<br>=                   | p<br>H    | max./min. ø<br>mm          | C<br>mm                         | SW <sub>1</sub> x E <sub>1</sub> /SW <sub>2</sub> x E <sub>2</sub><br>mm |
| M4x0,7                                              | 2,7     | 204d                                                         |                               | 1,6 *     | 1,6 – 0,9                  | 8,8                             | 6x6,8                                                                    |
| M6x0,75                                             | 4,5     | 206d                                                         |                               | 3 *       | 3,0 – 2,5                  | 14,0                            | 8x9                                                                      |
| M8x1,0                                              | 6,5     | 208210d                                                      |                               | 4,5       | 4,5 – 3,0                  | 15,5                            | 11x12,2                                                                  |
| M10x1,0                                             | 5,0     | 21049d                                                       |                               | 7/1mm     | 6,5 – 4,0                  | 19,5                            | 14x15,5                                                                  |
| M10x1,5                                             | 5,0     | 21049d                                                       |                               | 7/1,5mm * | 6,5 – 4,0                  | 19,5                            | 14x15,5                                                                  |
| M12x1,5                                             | 5,0     | 21249d                                                       |                               | 7 *       | 6,5 – 4,0                  | 19,0                            | 14x15,5                                                                  |
| M16x1,5                                             | 6,0     | 21650d                                                       |                               | 7         | 6,5 – 4,0                  | 20,0                            | 18x20/17x18,9                                                            |
|                                                     |         | 21650d                                                       |                               | 8         | 8,0 – 5,0                  | 20,0                            | 18x20/17x18,9                                                            |
|                                                     |         | 21650d                                                       |                               | 9         | 9,5 – 6,5                  | 20,0                            | 18x20/17x18,9                                                            |
| M20x1,5                                             | 6,5     | 22052d                                                       |                               | 7         | 6,5 – 4,0                  | 21,0                            | 22x24,4                                                                  |
|                                                     |         | 22052d                                                       |                               | 8         | 8,0 – 5,0                  | 21,0                            | 22x24,4                                                                  |
|                                                     |         | 22052d                                                       |                               | 9         | 9,5 – 6,5                  | 21,0                            | 22x24,4                                                                  |
|                                                     |         | 22052d                                                       |                               | 11        | 10,5 – 7,0                 | 21,0                            | 22x24,4                                                                  |
|                                                     |         | 22052d                                                       |                               | 13        | 13,0 – 9,0                 | 21,0                            | 22x24,4                                                                  |
| M25x1,5                                             | 7,5     | 22553d                                                       |                               | 7         | 6,5 – 4,0                  | 21,0                            | 28x31,2/24x26,7                                                          |
|                                                     |         | 22553d                                                       |                               | 8         | 8,0 – 5,0                  | 21,0                            | 28x31,2/24x26,7                                                          |
|                                                     |         | 22553d                                                       |                               | 9         | 9,5 – 6,5                  | 21,0                            | 28x31,2/24x26,7                                                          |
|                                                     |         | 22553d                                                       |                               | 11        | 10,5 – 7,0                 | 21,0                            | 28x31,2/24x26,7                                                          |
|                                                     |         | 22553d                                                       |                               | 13        | 13,0 – 9,0                 | 21,0                            | 28x31,2/24x26,7                                                          |
|                                                     |         | 22553d                                                       |                               | 16        | 15,5 – 11,5                | 21,0                            | 28x31,2/24x26,7                                                          |
| M32x1,5                                             | 8,0     | 23254d                                                       |                               | 11        | 10,5 – 7,0                 | 26,0                            | 35x38,5/30x33,5                                                          |
|                                                     |         | 23254d                                                       |                               | 13        | 13,0 – 9,0                 | 26,0                            | 35x38,5/30x33,5                                                          |
|                                                     |         | 23254d                                                       |                               | 16        | 15,5 – 11,5                | 26,0                            | 35x38,5/30x33,5                                                          |
|                                                     |         | 23254d                                                       |                               | 18        | 18,0 – 14,0                | 26,0                            | 35x38,5/30x33,5                                                          |
|                                                     |         | 23254d                                                       |                               | 20        | 20,5 – 17,0                | 26,0                            | 35x38,5/30x33,5                                                          |
| M40x1,5                                             | 8,0     | 24055d                                                       |                               | 16        | 15,5 – 11,5                | 29,0                            | 43x47,3/40x43,5                                                          |
|                                                     |         | 24055d                                                       |                               | 18        | 18,0 – 14,0                | 29,0                            | 43x47,3/40x43,5                                                          |
|                                                     |         | 24055d                                                       |                               | 20        | 20,5 – 17,0                | 29,0                            | 43x47,3/40x43,5                                                          |
|                                                     |         | 24055d                                                       |                               | 25        | 25,0 – 20,0                | 29,0                            | 43x47,3/40x43,5                                                          |
|                                                     |         | 24055d                                                       |                               | 28        | 28,0 – 24,0                | 29,0                            | 43x47,3/40x43,5                                                          |

\* Dichteinsatz kurz = Art.-Nr.: Ek...  
\* Sealing insert short = art. no.: Ek...

Fortsetzung auf der nächsten Seite  
Continued on next page

# UNI Dicht-Kabelverschraubung

UNI Dicht cable gland

Fortsetzung von vorheriger Seite  
Continued from previous page

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |                   | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width                                          |   |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|-------------------|----------------------------|--------------------------------------------------------------------------|---|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |                   |                            |                                                                          |   |
| A                                                   | D<br>mm | TPE =<br>TPE-V = p<br>Silikon HT/Silicone HT = H             |                               | max./min. ø<br>mm | C<br>mm                    | SW <sub>1</sub> x E <sub>1</sub> /SW <sub>2</sub> x E <sub>2</sub><br>mm |   |
| M50x1,5                                             | 10,0    | 25056d                                                       | 32                            | 32,0 – 27,0       | 30,0                       | 54x58/50x54                                                              | 5 |
|                                                     |         | 25056d                                                       | 34                            | 34,0 – 29,0       | 30,0                       | 54x58/50x54                                                              | 5 |
|                                                     |         | 25056d                                                       | 36                            | 36,0 – 32,0       | 30,0                       | 54x58/50x54                                                              | 5 |
| M63x1,5                                             | 10,0    | 26358d                                                       | 44 *                          | 44,0 – 39,0       | 30,0                       | 68x74/64x69                                                              | 5 |
| M63x1,5                                             | 16,0    | 26375                                                        | 45 *                          | 45,0 – 40,0       | 55,0                       | 81x87                                                                    | 1 |
|                                                     |         | 26375                                                        | 51 *                          | 51,0 – 45,0       | 55,0                       | 81x87                                                                    | 1 |
|                                                     |         | 26375                                                        | 56 *                          | 56,0 – 51,0       | 55,0                       | 81x87                                                                    | 1 |
| M72x2                                               | 16,0    | 27275                                                        | 45 *                          | 45,0 – 40,0       | 56,0                       | 81x87                                                                    | 1 |
|                                                     |         | 27275                                                        | 51 *                          | 51,0 – 45,0       | 56,0                       | 81x87                                                                    | 1 |
|                                                     |         | 27275                                                        | 56 *                          | 56,0 – 51,0       | 56,0                       | 81x87                                                                    | 1 |
| M75x1,5                                             | 15,0    | 275212d                                                      | 47 *                          | 47,0 – 42,0       | 46,0                       | 81x87                                                                    | 1 |
|                                                     |         | 275212d                                                      | 52 *                          | 52,0 – 45,0       | 46,0                       | 81x87                                                                    | 1 |
|                                                     |         | 275212d                                                      | 55 *                          | 55,0 – 51,0       | 46,0                       | 81x87                                                                    | 1 |
|                                                     |         | 275212d                                                      | 58 *                          | 58,0 – 54,0       | 46,0                       | 81x87                                                                    | 1 |
| M80x2,0                                             | 15,0    | 280300d                                                      | 57 *                          | 57,0 – 50,0       | 61,0                       | 95x102                                                                   | 1 |
|                                                     |         | 280300d                                                      | 64 *                          | 64,0 – 58,0       | 61,0                       | 95x102                                                                   | 1 |
|                                                     |         | 280300d                                                      | 70 *                          | 70,0 – 63,0       | 61,0                       | 95x102                                                                   | 1 |
| M90x2                                               | 20,0    | 290400d                                                      | 76 *                          | 76,0 – 69,0       | 62,0                       | 120x128                                                                  | 1 |
|                                                     |         | 290400d                                                      | 85 *                          | 85,0 – 70,0       | 62,0                       | 120x128                                                                  | 1 |
| M100x2,0                                            | 20,0    | 2100400d                                                     | 76 *                          | 76,0 – 69,0       | 63,0                       | 120x128                                                                  | 1 |
|                                                     |         | 2100400d                                                     | 85 *                          | 85,0 – 70,0       | 63,0                       | 120x128                                                                  | 1 |
|                                                     |         | 2100400d                                                     | 90 *                          | 90,0 – 75,0       | 63,0                       | 120x128                                                                  | 1 |
| M120x2,0                                            | 30,0    | 2120500d                                                     | 100 *                         | 100,0 – 90,0      | 70,0                       | 145x155                                                                  | 1 |
|                                                     |         | 2120500d                                                     | 110 *                         | 110,0 – 100,0     | 70,0                       | 145x155                                                                  | 1 |

\* Dichteinsatz aus Silikon HT nicht lieferbar  
\* Sealing insert silicone HT not available

**Passende Gegenmuttern ab Seite 442**  
Corresponding locknuts see from page 442

11400 | TT00400

# UNI Dicht-Kabelverschraubung

UNI Dicht cable gland



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Edelstahl 1.4305**  
**Metrisches Anschlussgewinde EN 60423**  
**Mit O-Ring Silikon**  
**Schutzart IP 68 bis 10 bar, Type 4X**  
**Zugentlastung bis Klasse A, EN 62444**

*Stainless steel AISI 303*  
*Metric connection thread EN 60423*  
*With o-ring silicone*  
*Type of protection IP 68 up to 10 bar, Type 4X*  
*Strain relief up to class A, EN 62444*

**i Gewinde-Varianten:** Standard-Maß D  
Thread variants: 15 mm Länge  
Standard size D 15 mm length  
= Art.-Nr. 22052...  
= Art.-Nr. 82052...  
= art. no. 22052...  
= art. no. 82052...

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| VA 1.4305<br>AISI 303                                 | Blank                              | TPE                                               | s. FC<br>s. CC   |                                         | -40 °C / +130 °C                                             |
| VA 1.4305<br>AISI 303                                 | Blank                              | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| VA 1.4305<br>AISI 303                                 | Blank                              | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -55 °C / +200 °C                                             |

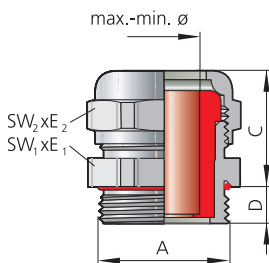


Abb. 3  
Fig. 3

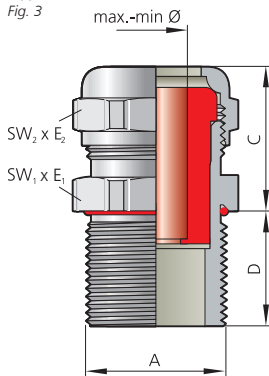


Abb. 4  
Fig. 4

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |                   | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width                                          |    |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|-------------------|----------------------------|--------------------------------------------------------------------------|----|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |                   |                            |                                                                          |    |
|                                                     |         | TPE =                                                        |                               |                   |                            |                                                                          |    |
|                                                     |         | TPE-V = p                                                    |                               |                   |                            |                                                                          |    |
|                                                     |         | Silikon HT/Silicone HT = H                                   |                               |                   |                            |                                                                          |    |
| A                                                   | D<br>mm |                                                              |                               | max./min. ø<br>mm | C<br>mm                    | SW <sub>1</sub> x E <sub>1</sub> /SW <sub>2</sub> x E <sub>2</sub><br>mm |    |
| M10x1,0                                             | 5,0     | 21049st                                                      | 7/1mm *                       | 6,5 – 4,0         | 19,0                       | 14x15,5                                                                  | 50 |
| M10x1,5                                             | 5,0     | 21049st                                                      | 7/1,5mm *                     | 6,5 – 4,0         | 19,0                       | 14x15,5                                                                  | 50 |
| M12x1,5                                             | 5,0     | 21249st                                                      | 7 *                           | 6,5 – 4,0         | 19,0                       | 14x15,5                                                                  | 50 |
| M16x1,5                                             | 6,0     | 21650st                                                      | 7                             | 6,5 – 4,0         | 20,0                       | 19x21/17x18,9                                                            | 50 |
|                                                     |         | 21650st                                                      | 8                             | 8,0 – 5,0         | 20,0                       | 19x21/17x18,9                                                            | 50 |
|                                                     |         | 21650st                                                      | 9                             | 9,5 – 6,5         | 20,0                       | 19x21/17x18,9                                                            | 50 |
| M20x1,5                                             | 6,5     | 22051st                                                      | 7                             | 6,5 – 4,0         | 20,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 22051st                                                      | 8                             | 8,0 – 5,0         | 20,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 22051st                                                      | 9                             | 9,5 – 6,5         | 20,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 22051st                                                      | 11                            | 10,5 – 7,0        | 20,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 22052st                                                      | 7                             | 6,5 – 4,0         | 21,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 22052st                                                      | 8                             | 8,0 – 5,0         | 21,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 22052st                                                      | 9                             | 9,5 – 6,5         | 21,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 22052st                                                      | 11                            | 10,5 – 7,0        | 21,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 22052st                                                      | 13                            | 13,0 – 9,0        | 21,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 22052st                                                      | 13                            | 13,0 – 9,0        | 21,0                       | 22x24,4                                                                  | 50 |
| M25x1,5                                             | 7,5     | 22553st                                                      | 7                             | 6,5 – 4,0         | 21,0                       | 27x29,5/24x26,7                                                          | 50 |
|                                                     |         | 22553st                                                      | 8                             | 8,0 – 5,0         | 21,0                       | 27x29,5/24x26,7                                                          | 50 |
|                                                     |         | 22553st                                                      | 9                             | 9,5 – 6,5         | 21,0                       | 27x29,5/24x26,7                                                          | 50 |
|                                                     |         | 22553st                                                      | 11                            | 10,5 – 7,0        | 21,0                       | 27x29,5/24x26,7                                                          | 50 |
|                                                     |         | 22553st                                                      | 13                            | 13,0 – 9,0        | 21,0                       | 27x29,5/24x26,7                                                          | 50 |
|                                                     |         | 22553st                                                      | 16                            | 15,5 – 11,5       | 21,0                       | 27x29,5/24x26,7                                                          | 50 |
| M32x1,5                                             | 8,0     | 23254st                                                      | 11                            | 10,5 – 7,0        | 26,0                       | 36x39,5/30x33,5                                                          | 25 |
|                                                     |         | 23254st                                                      | 13                            | 13,0 – 9,0        | 26,0                       | 36x39,5/30x33,5                                                          | 25 |
|                                                     |         | 23254st                                                      | 16                            | 15,5 – 11,5       | 26,0                       | 36x39,5/30x33,5                                                          | 25 |
|                                                     |         | 23254st                                                      | 18                            | 18,0 – 14,0       | 26,0                       | 36x39,5/30x33,5                                                          | 25 |
|                                                     |         | 23254st                                                      | 20                            | 20,5 – 17,0       | 26,0                       | 36x39,5/30x33,5                                                          | 25 |
|                                                     |         | 23254st                                                      | 20                            | 20,5 – 17,0       | 26,0                       | 36x39,5/30x33,5                                                          | 25 |
| M40x1,5                                             | 8,0     | 24055st                                                      | 16                            | 15,5 – 11,5       | 28,0                       | 46x50/41x44,5                                                            | 10 |
|                                                     |         | 24055st                                                      | 18                            | 18,0 – 14,0       | 28,0                       | 46x50/41x44,5                                                            | 10 |
|                                                     |         | 24055st                                                      | 20                            | 20,5 – 17,0       | 28,0                       | 46x50/41x44,5                                                            | 10 |
|                                                     |         | 24055st                                                      | 25                            | 25,0 – 20,0       | 28,0                       | 46x50/41x44,5                                                            | 10 |
|                                                     |         | 24055st                                                      | 28                            | 28,0 – 24,0       | 28,0                       | 46x50/41x44,5                                                            | 10 |
|                                                     |         | 24055st                                                      | 28                            | 28,0 – 24,0       | 28,0                       | 46x50/41x44,5                                                            | 10 |
| M50x1,5                                             | 10,0    | 25056st                                                      | 32                            | 32,0 – 27,0       | 29,0                       | 55x60,5/50x54                                                            | 5  |
|                                                     |         | 25056st                                                      | 34                            | 34,0 – 29,0       | 29,0                       | 55x60,5/50x54                                                            | 5  |
|                                                     |         | 25056st                                                      | 36                            | 36,0 – 32,0       | 29,0                       | 55x60,5/50x54                                                            | 5  |
|                                                     |         | 25057st                                                      | 40 *                          | 40,0 – 36,0       | 32,0                       | 60x65                                                                    | 5  |
|                                                     |         | 25057st                                                      | 40 *                          | 40,0 – 36,0       | 32,0                       | 60x65                                                                    | 5  |
| M63x1,5                                             | 10,0    | 26358st                                                      | 44 **                         | 44,0 – 39,0       | 30,0                       | 68x74/65x70                                                              | 5  |

\* Dichteinsatz kurz = Art.-Nr.: Ek... \*\* Dichteinsatz aus Silikon HT nicht lieferbar  
\* Sealing insert short = art. no.: Ek... \*\* Sealing insert silicone HT not available

**i Passende Gegenmuttern ab Seite 442**  
Corresponding locknuts see from page 442

## UNI Dicht-Kabelverschraubung

UNI Dicht cable gland



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Edelstahl 1.4571**  
**Metrisches Anschlussgewinde EN 60423**  
**Mit O-Ring Silikon**  
**Schutzart IP 68 bis 10 bar, Type 4X**  
**Zugentlastung bis Klasse A, EN 62444**

*Stainless steel AISI 316Ti*  
*Metric connection thread EN 60423*  
*With o-ring silicone*  
*Type of protection IP 68 up to 10 bar, Type 4X*

**Gewinde-Varianten:** **Standard-Maß D** **= Art.-Nr. 22052...**  
**Thread variants:** **15 mm Länge** **= Art.-Nr. 82052...**  
**Standard size D** **= art. no. 22052...**  
**15 mm length** **= art. no. 82052...**

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| VA 1.4571<br>AISI 316Ti                               | Blank                              | TPE                                               | s. FC<br>s. CC   |                                         | -40 °C / +130 °C                                             |
| VA 1.4571<br>AISI 316Ti                               | Blank                              | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| VA 1.4571<br>AISI 316Ti                               | Blank                              | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -55 °C / +200 °C                                             |

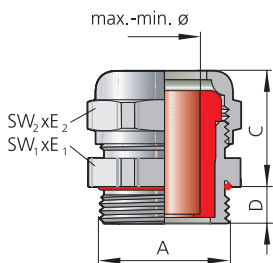


Abb. 3  
Fig. 3

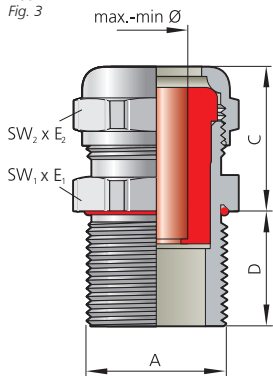


Abb. 4  
Fig. 4

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |                   | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width                                          |    |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|-------------------|----------------------------|--------------------------------------------------------------------------|----|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |                   |                            |                                                                          |    |
|                                                     |         | TPE =                                                        |                               |                   |                            |                                                                          |    |
|                                                     |         | TPE-V = p                                                    |                               |                   |                            |                                                                          |    |
|                                                     |         | Silikon HT/Silicone HT = H                                   |                               |                   |                            |                                                                          |    |
| A                                                   | D<br>mm |                                                              |                               | max./min. ø<br>mm | C<br>mm                    | SW <sub>1</sub> x E <sub>1</sub> /SW <sub>2</sub> x E <sub>2</sub><br>mm |    |
| M12x1,5                                             | 5,0     | 21249st                                                      | 7 V4A *                       | 6,5– 4,0          | 19,0                       | 14x15,5                                                                  | 50 |
| M16x1,5                                             | 6,0     | 21650st                                                      | 7 V4A                         | 6,5– 4,0          | 20,0                       | 19x21/17x18,9                                                            | 50 |
|                                                     |         | 21650st                                                      | 8 V4A                         | 8,0– 5,0          | 20,0                       | 19x21/17x18,9                                                            | 50 |
|                                                     |         | 21650st                                                      | 9 V4A                         | 9,5– 6,5          | 20,0                       | 19x21/17x18,9                                                            | 50 |
| M20x1,5                                             | 6,5     | 22051st                                                      | 7 V4A                         | 6,5– 4,0          | 20,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 22051st                                                      | 8 V4A                         | 8,0– 5,0          | 20,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 22051st                                                      | 9 V4A                         | 9,5– 6,5          | 20,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 22051st                                                      | 11V4A                         | 10,5– 7,0         | 20,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 22052st                                                      | 7 V4A                         | 6,5– 4,0          | 21,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 22052st                                                      | 8 V4A                         | 8,0– 5,0          | 21,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 22052st                                                      | 9 V4A                         | 9,5– 6,5          | 21,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 22052st                                                      | 11V4A                         | 10,5– 7,0         | 21,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 22052st                                                      | 13V4A                         | 13,0– 9,0         | 21,0                       | 22x24,4                                                                  | 50 |
| M25x1,5                                             | 7,5     | 22553st                                                      | 7 V4A                         | 6,5– 4,0          | 21,0                       | 27x29,5/24x26,7                                                          | 50 |
|                                                     |         | 22553st                                                      | 8 V4A                         | 8,0– 5,0          | 21,0                       | 27x29,5/24x26,7                                                          | 50 |
|                                                     |         | 22553st                                                      | 9 V4A                         | 9,5– 6,5          | 21,0                       | 27x29,5/24x26,7                                                          | 50 |
|                                                     |         | 22553st                                                      | 11V4A                         | 10,5– 7,0         | 21,0                       | 27x29,5/24x26,7                                                          | 50 |
|                                                     |         | 22553st                                                      | 13V4A                         | 13,0– 9,0         | 21,0                       | 27x29,5/24x26,7                                                          | 50 |
|                                                     |         | 22553st                                                      | 16V4A                         | 15,5– 11,5        | 21,0                       | 27x29,5/24x26,7                                                          | 50 |
| M32x1,5                                             | 8,0     | 23254st                                                      | 11V4A                         | 10,5– 7,0         | 26,0                       | 36x39,5/30x33,5                                                          | 25 |
|                                                     |         | 23254st                                                      | 13V4A                         | 13,0– 9,0         | 26,0                       | 36x39,5/30x33,5                                                          | 25 |
|                                                     |         | 23254st                                                      | 16V4A                         | 15,5– 11,5        | 26,0                       | 36x39,5/30x33,5                                                          | 25 |
|                                                     |         | 23254st                                                      | 18V4A                         | 18,0– 14,0        | 26,0                       | 36x39,5/30x33,5                                                          | 25 |
|                                                     |         | 23254st                                                      | 20V4A                         | 20,5– 17,0        | 26,0                       | 36x39,5/30x33,5                                                          | 25 |
|                                                     |         | 23254st                                                      | 20V4A                         | 20,5– 17,0        | 26,0                       | 36x39,5/30x33,5                                                          | 25 |
| M40x1,5                                             | 8,0     | 24055st                                                      | 16V4A                         | 15,5– 11,5        | 28,0                       | 46x50/41x44,5                                                            | 10 |
|                                                     |         | 24055st                                                      | 18V4A                         | 18,0– 14,0        | 28,0                       | 46x50/41x44,5                                                            | 10 |
|                                                     |         | 24055st                                                      | 20V4A                         | 20,5– 17,0        | 28,0                       | 46x50/41x44,5                                                            | 10 |
|                                                     |         | 24055st                                                      | 25V4A                         | 25,0– 20,0        | 28,0                       | 46x50/41x44,5                                                            | 10 |
|                                                     |         | 24055st                                                      | 28V4A                         | 28,0– 24,0        | 28,0                       | 46x50/41x44,5                                                            | 10 |
| M50x1,5                                             | 10,0    | 25056st                                                      | 32V4A                         | 32,0– 27,0        | 29,0                       | 55x60,5/50x54                                                            | 5  |
|                                                     |         | 25056st                                                      | 34V4A                         | 34,0– 29,0        | 29,0                       | 55x60,5/50x54                                                            | 5  |
|                                                     |         | 25056st                                                      | 36V4A                         | 36,0– 32,0        | 29,0                       | 55x60,5/50x54                                                            | 5  |
|                                                     |         | 25057st                                                      | 40V4A **                      | 40,0– 36,0        | 32,0                       | 60x65                                                                    | 5  |
| M63x1,5                                             | 10,0    | 26358st                                                      | 44V4A **                      | 44,0– 39,0        | 30,0                       | 68x74/65x70                                                              | 5  |

\* Dichteinsatz kurz = Art.-Nr.: Ek... \*\* Dichteinsatz aus Silikon HT nicht lieferbar

\* Sealing insert short = art. no.: Ek... \*\* Sealing insert silicone HT not available

**Passende Gegenmuttern ab Seite 442**  
Corresponding locknuts see from page 442

# UNI Dicht-Kabelverschraubung

UNI Dicht cable gland



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Polycarbonat, Farbe: grau (RAL 7035), schwarz (RAL 9005)**  
**Metrisches Anschlussgewinde EN 60423**  
**Schutzart IP 68 bis 10 bar, Type 4X**  
**Zugentlastung bis Klasse A, EN 62444**

Polycarbonate, colour: grey (RAL 7035), black (RAL 9005)  
 Metric connection thread EN 60423  
 Type of protection IP 68 up to 10 bar, Type 4X  
 Strain relief up to class A, EN 62444

**i Schutzart IP 68/Type 4X ausschließlich in Verbindung mit separat erhältlicher Flachdichtung auf Seite 468**  
 Type of protection IP 68/Type 4X only in combination with separately available flat seal ring on page 468

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| PC                                                    | Grau<br>Grey                       |                                         | TPE                                               | s. FC<br>s. CC   |                                         | -20 °C / +100 °C                                             |
| PC                                                    | Grau<br>Grey                       |                                         | TPE-V                                             | Natur<br>Natural | p                                       | -20 °C / +100 °C                                             |
| PC                                                    | Grau<br>Grey                       |                                         | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -20 °C / +100 °C                                             |
| PC                                                    | Schwarz<br>Black                   | n                                       | TPE                                               | s. FC<br>s. CC   |                                         | -20 °C / +100 °C                                             |
| PC                                                    | Schwarz<br>Black                   | n                                       | TPE-V                                             | Natur<br>Natural | p                                       | -20 °C / +100 °C                                             |
| PC                                                    | Schwarz<br>Black                   | n                                       | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -20 °C / +100 °C                                             |

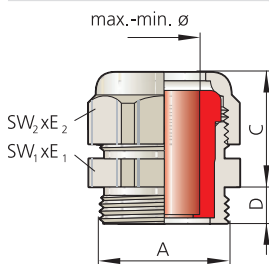


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |                                            | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width |                                                                          |                                                                                       |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|--------------------------------------------|----------------------------|---------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |                                            |                            |                                 |                                                                          |                                                                                       |
| A                                                   | D<br>mm | Grau/Grey<br>Schwarz/Black                                   | = p<br>= n<br>H =             | = TPE<br>= TPE-V<br>Silikon HT/Silicone HT | max./min. ø<br>mm          | C<br>mm                         | SW <sub>1</sub> x E <sub>1</sub> /SW <sub>2</sub> x E <sub>2</sub><br>mm |  |
| M12x1,5                                             | 8,0     | 21249PC                                                      | 7                             | *                                          | 6,5 – 4,0                  | 23,0                            | 15x16,5                                                                  | 50                                                                                    |
| M16x1,5                                             | 9,0     | 21650PC                                                      | 7                             |                                            | 6,5 – 4,0                  | 22,0                            | 19x21,2                                                                  | 50                                                                                    |
|                                                     |         | 21650PC                                                      | 8                             |                                            | 8,0 – 5,0                  | 22,0                            | 19x21,2                                                                  | 50                                                                                    |
|                                                     |         | 21650PC                                                      | 9                             |                                            | 9,5 – 6,5                  | 22,0                            | 19x21,2                                                                  | 50                                                                                    |
| M20x1,5                                             | 9,0     | 22051PC                                                      | 7                             |                                            | 6,5 – 4,0                  | 23,0                            | 24x26,5/22x24,4                                                          | 50                                                                                    |
|                                                     |         | 22051PC                                                      | 8                             |                                            | 8,0 – 5,0                  | 23,0                            | 24x26,5/22x24,4                                                          | 50                                                                                    |
|                                                     |         | 22051PC                                                      | 9                             |                                            | 9,5 – 6,5                  | 23,0                            | 24x26,5/22x24,4                                                          | 50                                                                                    |
|                                                     |         | 22051PC                                                      | 11                            |                                            | 10,5 – 7,0                 | 23,0                            | 24x26,5/22x24,4                                                          | 50                                                                                    |
|                                                     |         | 22052PC                                                      | 7 *                           |                                            | 6,5 – 4,0                  | 23,0                            | 24x26,5                                                                  | 50                                                                                    |
|                                                     |         | 22052PC                                                      | 8 *                           |                                            | 8,0 – 5,0                  | 23,0                            | 24x26,5                                                                  | 50                                                                                    |
|                                                     |         | 22052PC                                                      | 9 *                           |                                            | 9,5 – 6,5                  | 23,0                            | 24x26,5                                                                  | 50                                                                                    |
|                                                     |         | 22052PC                                                      | 11 *                          |                                            | 10,5 – 7,0                 | 23,0                            | 24x26,5                                                                  | 50                                                                                    |
|                                                     |         | 22052PC                                                      | 13 *                          |                                            | 13,0 – 9,0                 | 23,0                            | 24x26,5                                                                  | 50                                                                                    |
| M25x1,5                                             | 9,0     | 22553PC                                                      | 7                             |                                            | 6,5 – 4,0                  | 24,0                            | 30x33,5/27x29,5                                                          | 50                                                                                    |
|                                                     |         | 22553PC                                                      | 8                             |                                            | 8,0 – 5,0                  | 24,0                            | 30x33,5/27x29,5                                                          | 50                                                                                    |
|                                                     |         | 22553PC                                                      | 9                             |                                            | 9,5 – 6,5                  | 24,0                            | 30x33,5/27x29,5                                                          | 50                                                                                    |
|                                                     |         | 22553PC                                                      | 11                            |                                            | 10,5 – 7,0                 | 24,0                            | 30x33,5/27x29,5                                                          | 50                                                                                    |
|                                                     |         | 22553PC                                                      | 13                            |                                            | 13,0 – 9,0                 | 24,0                            | 30x33,5/27x29,5                                                          | 50                                                                                    |
|                                                     |         | 22553PC                                                      | 16                            |                                            | 15,5 – 11,5                | 24,0                            | 30x33,5/27x29,5                                                          | 50                                                                                    |
| M32x1,5                                             | 11,0    | 23254PC                                                      | 11                            |                                            | 10,5 – 7,0                 | 29,0                            | 36x39,5/33x36,5                                                          | 25                                                                                    |
|                                                     |         | 23254PC                                                      | 13                            |                                            | 13,0 – 9,0                 | 29,0                            | 36x39,5/33x36,5                                                          | 25                                                                                    |
|                                                     |         | 23254PC                                                      | 16                            |                                            | 15,5 – 11,5                | 29,0                            | 36x39,5/33x36,5                                                          | 25                                                                                    |
|                                                     |         | 23254PC                                                      | 18                            |                                            | 18,0 – 14,0                | 29,0                            | 36x39,5/33x36,5                                                          | 25                                                                                    |
|                                                     |         | 23254PC                                                      | 20                            |                                            | 20,5 – 17,0                | 29,0                            | 36x39,5/33x36,5                                                          | 25                                                                                    |
| M40x1,5                                             | 11,5    | 24055PC                                                      | 16                            |                                            | 15,5 – 11,5                | 33,0                            | 46x50/43x46,5                                                            | 10                                                                                    |
|                                                     |         | 24055PC                                                      | 18                            |                                            | 18,0 – 14,0                | 33,0                            | 46x50/43x46,5                                                            | 10                                                                                    |
|                                                     |         | 24055PC                                                      | 20                            |                                            | 20,5 – 17,0                | 33,0                            | 46x50/43x46,5                                                            | 10                                                                                    |
|                                                     |         | 24055PC                                                      | 25                            |                                            | 25,0 – 20,0                | 33,0                            | 46x50/43x46,5                                                            | 10                                                                                    |
|                                                     |         | 24055PC                                                      | 28                            |                                            | 28,0 – 24,0                | 33,0                            | 46x50/43x46,5                                                            | 10                                                                                    |
| M50x1,5                                             | 14,0    | 25056PC                                                      | 32                            |                                            | 32,0 – 27,0                | 34,0                            | 56x61/53x57                                                              | 5                                                                                     |
|                                                     |         | 25056PC                                                      | 34                            |                                            | 34,0 – 29,0                | 34,0                            | 56x61/53x57                                                              | 5                                                                                     |
|                                                     |         | 25056PC                                                      | 36                            |                                            | 36,0 – 32,0                | 34,0                            | 56x61/53x57                                                              | 5                                                                                     |

\* Dichteinsatz kurz = Art.-Nr.: Ek...  
 \* Sealing insert short = art. no.: Ek...

**i Passende Gegenmuttern ab Seite 442**  
 Corresponding locknuts see from page 442

# UNI Dicht-Kabelverschraubung

UNI Dicht cable gland



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**PVDF, Farbe: transparent, blau (RAL 5015), schwarz (RAL 9005)**  
**Metrisches Anschlussgewinde EN 60423**  
**Schutzart IP 68 bis 10 bar**  
**Zugentlastung bis Klasse A, EN 62444**

*PVDF, colour: transparent, blue (RAL 5015), black (RAL 9005)*  
*Metric connection thread EN 60423*  
*Type of protection IP 68 up to 10 bar*  
*Strain relief up to class A, EN 62444*



**Gewinde-Varianten:**

Thread variants:

**Standard-Maß D**

**15 mm Länge**  
Standard size D  
15 mm length

**= Art.-Nr. 22052...**

**= Art.-Nr. 82052...**  
= art. no. 22052...  
= art. no. 82052...

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| PVDF                                                  | Transparent                        |                                         | TPE                                               | s. FC<br>s. CC   |                                         | -40 °C / +130 °C                                             |
| PVDF                                                  | Transparent                        |                                         | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| PVDF                                                  | Transparent                        |                                         | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -40 °C / +150 °C                                             |
| PVDF                                                  | Blau<br>Blue                       | a                                       | TPE                                               | s. FC<br>s. CC   |                                         | -40 °C / +130 °C                                             |
| PVDF                                                  | Blau<br>Blue                       | a                                       | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| PVDF                                                  | Blau<br>Blue                       | a                                       | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -40 °C / +150 °C                                             |
| PVDF                                                  | Schwarz<br>Black                   | n                                       | TPE                                               | s. FC<br>s. CC   |                                         | -40 °C / +130 °C                                             |
| PVDF                                                  | Schwarz<br>Black                   | n                                       | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| PVDF                                                  | Schwarz<br>Black                   | n                                       | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -40 °C / +150 °C                                             |

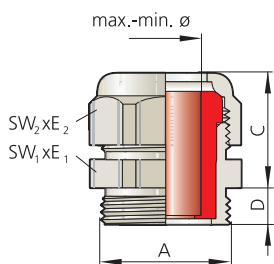


Abb. 3  
Fig. 3

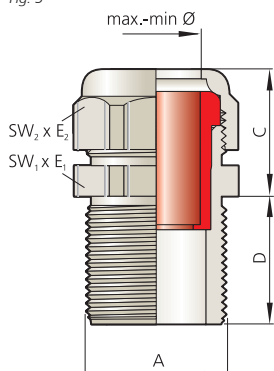


Abb. 4 – Ausführung lang/D = 15 mm  
Fig. 4 – Longer execution/D = 15 mm

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |                            | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width |                                                                          |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|----------------------------|----------------------------|---------------------------------|--------------------------------------------------------------------------|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |                            |                            |                                 |                                                                          |
| A                                                   | D<br>mm | Transparent                                                  | =                             | = TPE                      | max./min. ø<br>mm          | C<br>mm                         | SW <sub>1</sub> x E <sub>1</sub> /SW <sub>2</sub> x E <sub>2</sub><br>mm |
|                                                     |         | Blau/Blue                                                    | = a                           | p = TPE-V                  |                            |                                 |                                                                          |
|                                                     |         | Schwarz/Black                                                | = n                           | H = Silikon HT/Silicone HT |                            |                                 |                                                                          |
|                                                     |         |                                                              |                               |                            |                            |                                 |                                                                          |
| M12x1,5                                             | 8,0     | 21249y                                                       | 7 *                           | 6,5 – 4,0                  | 23,0                       | 15x16,5                         | 50                                                                       |
| M16x1,5                                             | 9,0     | 21650y                                                       | 7                             | 6,5 – 4,0                  | 24,0                       | 19x21/19x21,2                   | 50                                                                       |
|                                                     |         | 21650y                                                       | 8                             | 8,0 – 5,0                  | 24,0                       | 19x21/19x21,2                   | 50                                                                       |
|                                                     |         | 21650y                                                       | 9                             | 9,5 – 6,5                  | 24,0                       | 19x21/19x21,2                   | 50                                                                       |
| M20x1,5                                             | 9,0     | 22051y                                                       | 7                             | 6,5 – 4,0                  | 23,0                       | 24x26,5/22x24,4                 | 50                                                                       |
|                                                     |         | 22051y                                                       | 8                             | 8,0 – 5,0                  | 23,0                       | 24x26,5/22x24,4                 | 50                                                                       |
|                                                     |         | 22051y                                                       | 9                             | 9,5 – 6,5                  | 23,0                       | 24x26,5/22x24,4                 | 50                                                                       |
|                                                     |         | 22051y                                                       | 11                            | 10,5 – 7,0                 | 23,0                       | 24x26,5/22x24,4                 | 50                                                                       |
|                                                     |         | 22052y                                                       | 7 *                           | 6,5 – 4,0                  | 25,0                       | 24x26,5                         | 50                                                                       |
|                                                     |         | 22052y                                                       | 8 *                           | 8,0 – 5,0                  | 25,0                       | 24x26,5                         | 50                                                                       |
|                                                     |         | 22052y                                                       | 9 *                           | 9,5 – 6,5                  | 25,0                       | 24x26,5                         | 50                                                                       |
|                                                     |         | 22052y                                                       | 11 *                          | 10,5 – 7,0                 | 25,0                       | 24x26,5                         | 50                                                                       |
|                                                     |         | 22052y                                                       | 13 *                          | 13,0 – 9,0                 | 25,0                       | 24x26,5                         | 50                                                                       |
|                                                     |         |                                                              |                               |                            |                            |                                 |                                                                          |
| M25x1,5                                             | 9,0     | 22553y                                                       | 7                             | 6,5 – 4,0                  | 26,0                       | 29x31,5/27x29,5                 | 50                                                                       |
|                                                     |         | 22553y                                                       | 8                             | 8,0 – 5,0                  | 26,0                       | 29x31,5/27x29,5                 | 50                                                                       |
|                                                     |         | 22553y                                                       | 9                             | 9,5 – 6,5                  | 26,0                       | 29x31,5/27x29,5                 | 50                                                                       |
|                                                     |         | 22553y                                                       | 11                            | 10,5 – 7,0                 | 26,0                       | 29x31,5/27x29,5                 | 50                                                                       |
|                                                     |         | 22553y                                                       | 13                            | 13,0 – 9,0                 | 26,0                       | 29x31,5/27x29,5                 | 50                                                                       |
|                                                     |         | 22553y                                                       | 16                            | 15,5 – 11,5                | 26,0                       | 29x31,5/27x29,5                 | 50                                                                       |
| M32x1,5                                             | 11,0    | 23254y                                                       | 11                            | 10,5 – 7,0                 | 29,0                       | 38x42/33x36,5                   | 25                                                                       |
|                                                     |         | 23254y                                                       | 13                            | 13,0 – 9,0                 | 29,0                       | 38x42/33x36,5                   | 25                                                                       |
|                                                     |         | 23254y                                                       | 16                            | 15,5 – 11,5                | 29,0                       | 38x42/33x36,5                   | 25                                                                       |
|                                                     |         | 23254y                                                       | 18                            | 18,0 – 14,0                | 29,0                       | 38x42/33x36,5                   | 25                                                                       |
|                                                     |         | 23254y                                                       | 20                            | 20,5 – 17,0                | 29,0                       | 38x42/33x36,5                   | 25                                                                       |

\* Dichteinsatz kurz = Art.-Nr.: Ek...  
 \* Sealing insert short = art. no.: Ek...

Fortsetzung auf der nächsten Seite  
 Continued on next page

## UNI Dicht-Kabelverschraubung

UNI Dicht cable gland

Fortsetzung von vorheriger Seite  
Continued from previous page

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         |            | Dichtbereich<br>Sealing range | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width |                                                                          |
|-----------------------------------------------------|---------|--------------------------------------------------------------|------------|-------------------------------|----------------------------|---------------------------------|--------------------------------------------------------------------------|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |            |                               |                            |                                 |                                                                          |
| A                                                   | D<br>mm | Transparent                                                  | =          | = TPE                         | max./min. ø<br>mm          | C<br>mm                         | SW <sub>1</sub> x E <sub>1</sub> /SW <sub>2</sub> x E <sub>2</sub><br>mm |
|                                                     |         | Blau/Blue                                                    | = a p      | = TPE-V                       |                            |                                 |                                                                          |
|                                                     |         | Schwarz/Black                                                | = n H      | = Silikon HT/Silicone HT      |                            |                                 |                                                                          |
| M40x1,5                                             | 11,5    | 24055y                                                       | 16         |                               | 15,5 – 11,5                | 34,0                            | 46x50/43x46                                                              |
|                                                     |         | 24055y                                                       | 18         |                               | 18,0 – 14,0                | 34,0                            | 46x50/43x46                                                              |
|                                                     |         | 24055y                                                       | 20         |                               | 20,5 – 17,0                | 34,0                            | 46x50/43x46                                                              |
|                                                     |         | 24055y                                                       | 25         |                               | 25,0 – 20,0                | 34,0                            | 46x50/43x46                                                              |
|                                                     |         | 24055y                                                       | 28         |                               | 28,0 – 24,0                | 34,0                            | 46x50/43x46                                                              |
| M50x1,5                                             | 13,0    | 25056y                                                       | 32         |                               | 32,0 – 27,0                | 35,0                            | 56x61/53x57                                                              |
|                                                     |         | 25056y                                                       | 34         |                               | 34,0 – 29,0                | 35,0                            | 56x61/53x57                                                              |
|                                                     |         | 25056y                                                       | 36         |                               | 36,0 – 32,0                | 35,0                            | 56x61/53x57                                                              |
| M50x1,5                                             | 14,0    | 25057y                                                       | 40 * * * * |                               | 40,0 – 36,0                | 38,0                            | 60x65                                                                    |
| M63x1,5                                             | 14,0    | 26358y                                                       | 44 * * *   |                               | 44,0 – 39,0                | 41,0                            | 68x73/65x70                                                              |

\* Dichteinsatz kurz = Art.-Nr.: Ek... \*\* Dichteinsatz aus Silikon HT nicht lieferbar \*\*\* Werkstoff POM (Farbe weiß), Temperaturbereich: -40 °C bis +110 °C. Es besteht keine CSA-Zulassung.  
\* Sealing insert short = art. no.: Ek... \*\* Sealing insert silicone HT not available \*\*\* Material POM (white colour), temperature range: -40 °C up to +110 °C, no CSA approval

**i** Schutzart IP 68 ausschließlich in Verbindung mit separat erhältlicher Flachdichtung auf Seite 468  
Type of protection IP 68 only in combination with separately available flat sealing ring on page 468

## UNI Dicht-Schottverschraubung

UNI Dicht bulkhead gland

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt**  
**Metrisches Anschlussgewinde EN 60423**  
**Sondergewindelänge: 50 mm (weitere auf Anfrage)**  
**Mit O-Ring HNBR, Schutzart IP 68 bis 10 bar**  
**Zugentlastung bis Klasse A, EN 62444**

*Brass, nickel-plated*  
*Metric connection thread EN 60423*  
*Special thread length: 50 mm (additional lengths available on request)*  
*With o-ring HNBR, type of protection IP 68 up to 10 bar*  
*Strain relief up to class A, EN 62444*



**Passende Gegenmuttern ab Seite 442**  
Corresponding locknuts see from page 442

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE                                               | s. FC<br>s. CC   |                                         | -40 °C / +130 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -55 °C / +200 °C                                             |

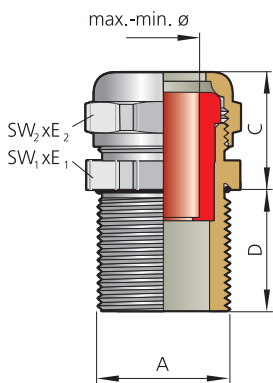


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |                   | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width                                          |                                                                                     |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|-------------------|----------------------------|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |                   |                            |                                                                          |                                                                                     |
| A                                                   | D<br>mm | TPE =                                                        | p                             | max./min. ø<br>mm | C<br>mm                    | SW <sub>1</sub> x E <sub>1</sub> /SW <sub>2</sub> x E <sub>2</sub><br>mm |  |
|                                                     |         | TPE-V =                                                      |                               |                   |                            |                                                                          |                                                                                     |
|                                                     |         | Silikon HT/Silicone HT =                                     | H                             |                   |                            |                                                                          |                                                                                     |
| M20x1,5                                             | 50,0    | 22052d                                                       | 7/50lg                        | 6,5 – 4,0         | 21,0                       | 22x24,4                                                                  | 10                                                                                  |
|                                                     |         | 22052d                                                       | 8/50lg                        | 8,0 – 5,0         | 21,0                       | 22x24,4                                                                  | 10                                                                                  |
|                                                     |         | 22052d                                                       | 9/50lg                        | 9,5 – 6,5         | 21,0                       | 22x24,4                                                                  | 10                                                                                  |
|                                                     |         | 22052d                                                       | 11/50lg                       | 10,5 – 7,0        | 21,0                       | 22x24,4                                                                  | 10                                                                                  |
|                                                     |         | 22052d                                                       | 13/50lg                       | 13,0 – 9,0        | 21,0                       | 22x24,4                                                                  | 10                                                                                  |
| M25x1,5                                             | 50,0    | 22553d                                                       | 7/50lg                        | 6,5 – 4,0         | 21,0                       | 28x31,2/24x26,7                                                          | 10                                                                                  |
|                                                     |         | 22553d                                                       | 8/50lg                        | 8,0 – 5,0         | 21,0                       | 28x31,2/24x26,7                                                          | 10                                                                                  |
|                                                     |         | 22553d                                                       | 9/50lg                        | 9,5 – 6,5         | 21,0                       | 28x31,2/24x26,7                                                          | 10                                                                                  |
|                                                     |         | 22553d                                                       | 11/50lg                       | 10,5 – 7,0        | 21,0                       | 28x31,2/24x26,7                                                          | 10                                                                                  |
|                                                     |         | 22553d                                                       | 13/50lg                       | 13,0 – 9,0        | 21,0                       | 28x31,2/24x26,7                                                          | 10                                                                                  |
|                                                     |         | 22553d                                                       | 16/50lg                       | 15,5 – 11,5       | 21,0                       | 28x31,2/24x26,7                                                          | 50                                                                                  |
| M32x1,5                                             | 50,0    | 23254d                                                       | 11/50lg                       | 10,5 – 7,0        | 26,0                       | 35x38,5/30x33,5                                                          | 5                                                                                   |
|                                                     |         | 23254d                                                       | 13/50lg                       | 13,0 – 9,0        | 26,0                       | 35x38,5/30x33,5                                                          | 5                                                                                   |
|                                                     |         | 23254d                                                       | 16/50lg                       | 15,5 – 11,5       | 26,0                       | 35x38,5/30x33,5                                                          | 5                                                                                   |
|                                                     |         | 23254d                                                       | 18/50lg                       | 18,0 – 14,0       | 26,0                       | 35x38,5/30x33,5                                                          | 5                                                                                   |
|                                                     |         | 23254d                                                       | 20/50lg                       | 20,5 – 17,0       | 26,0                       | 35x38,5/30x33,5                                                          | 5                                                                                   |
| M40x1,5                                             | 50,0    | 24055d                                                       | 16/50lg                       | 15,5 – 11,5       | 29,0                       | 43x47,3/40x43,5                                                          | 5                                                                                   |
|                                                     |         | 24055d                                                       | 18/50lg                       | 18,0 – 14,0       | 29,0                       | 43x47,3/40x43,5                                                          | 5                                                                                   |
|                                                     |         | 24055d                                                       | 20/50lg                       | 20,5 – 17,0       | 29,0                       | 43x47,3/40x43,5                                                          | 5                                                                                   |
|                                                     |         | 24055d                                                       | 25/50lg                       | 25,0 – 20,0       | 29,0                       | 43x47,3/40x43,5                                                          | 5                                                                                   |
|                                                     |         | 24055d                                                       | 28/50lg                       | 28,0 – 24,0       | 29,0                       | 43x47,3/40x43,5                                                          | 5                                                                                   |

11600 | TTD0403

## **UNI Dicht Erweitert – metrisch**

*UNI Dicht Extended – metric*



Abb. 1 – UNI Dicht Erweitert Messing  
Fig. 1 – UNI Dicht Extended brass



#### **Dicke Kabel durch kleine Bohrung**

Sollen Kabel mit dickerem Durchmesser durch eine bestehende Bohrung geführt werden, lässt sich das mit sogenannten „erweiterten“ Doppelnippeln einfach realisieren. Diese verfügen über ein vergrößertes Kopfteil für die Aufnahme eines entsprechend kurzen Dichtensatzes. Das abgemantelte Kabel mit seinem deutlich kleineren Adernquerschnitt wird sicher durch den Anschlussbereich der Kabelverschraubung geführt.

#### **Thick cables through small boreholes**

*If a thicker cable has to be fed through an existing hole, this can be simply done with an "extended" double nipple. This has an enlarged head to accept a correspondingly short sealing insert. The unsheathed cable with its significantly smaller diameter can be fitted easily through the connection area of the cable gland.*

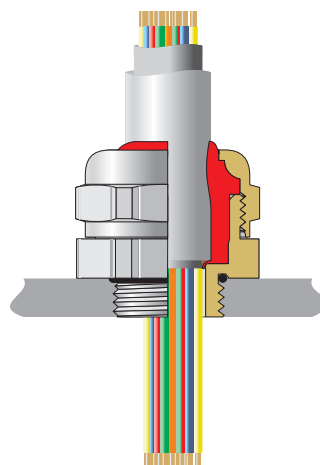


Abb. 1 – UNI Dicht Erweitert PVDF  
Fig. 1 – UNI Dicht Extended PVDF

Abb. 2 – UNI Dicht Erweitert PVDF  
Fig. 2 – UNI Dicht Extended PVDF

Abb. 3 – Querschnitt UNI Dicht Erweitert  
Fig. 3 – Cross section UNI Dicht Extended

# UNI Dicht Erweitert

UNI Dicht Extended



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt**  
**Metrisches Anschlussgewinde EN 60423**  
**Mit O-Ring HNBR**  
**Schutzart IP 68 bis 10 bar, Type 4X**  
**Zugentlastung bis Klasse A, EN 62444**

Brass, nickel-plated  
Metric connection thread EN 60423  
With o-ring HNBR  
Type of protection IP 68 up to 10 bar, Type 4X  
Strain relief up to class A, EN 62444



**Achtung: Dichteinsätze mit kurzer Bauform Art.-Nr.: Ek... verwenden**  
Note: Only use short sealing inserts art. no.: Ek...

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE                                               | s. FC<br>s. CC   |                                         | -40 °C / +130 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -55 °C / +200 °C                                             |

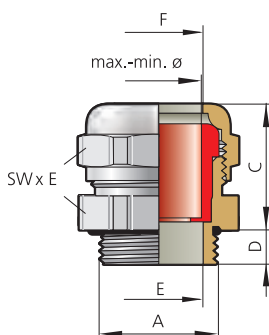


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge  |      | Art.-Nr.                                                     |            | Dichtbereich      | Innendurchmesser | Durchlass Druckschraube max. | Bauhöhe         | Schlüsselweite |                                                                                     |
|--------------------------|------|--------------------------------------------------------------|------------|-------------------|------------------|------------------------------|-----------------|----------------|-------------------------------------------------------------------------------------|
| Connection thread/length |      | Art. no.                                                     |            | Sealing range     | Inner diameter   | Opening pressure screw max.  | Mounting height | Spanner width  |                                                                                     |
|                          |      | Ausführung bitte ergänzen<br>Please complete product details |            |                   |                  |                              |                 |                |                                                                                     |
| A                        | D    | TPE<br>TPE-V<br>Silikon HT/Silicone HT                       | = p<br>= H | max./min. ø<br>mm | E<br>mm          | F<br>mm                      | C<br>mm         | SW x E<br>mm   |  |
| M12x1,5                  | 5,0  | 21250d                                                       | 8          | 8,0 – 5,0         | 7,5              | 10,0                         | 21,0            | 17x18,9        | 50                                                                                  |
|                          |      | 21250d                                                       | 9          | 9,5 – 6,5         | 7,5              | 10,0                         | 21,0            | 17x18,9        | 50                                                                                  |
| M16x1,5                  | 6,0  | 21651d                                                       | 11         | 10,5 – 7,0        | 12,0             | 11,5                         | 21,0            | 20x22,2        | 50                                                                                  |
|                          |      | 21652d                                                       | 13         | 13,0 – 9,0        | 12,0             | 13,5                         | 21,0            | 22x24,4        | 50                                                                                  |
| M20x1,5                  | 6,5  | 22053d                                                       | 16         | 15,5 – 11,5       | 16,0             | 16,0                         | 21,0            | 24x26,7        | 50                                                                                  |
|                          |      | 22054d                                                       | 18         | 18,0 – 14,0       | 16,0             | 18,5                         | 24,0            | 30x33,5        | 25                                                                                  |
|                          |      | 22054d                                                       | 20         | 20,5 – 17,0       | 16,0             | 20,0                         | 24,0            | 30x33,5        | 25                                                                                  |
| M25x1,5                  | 7,5  | 22554d                                                       | 18         | 18,0 – 14,0       | 20,5             | 18,5                         | 26,0            | 30x33,5        | 25                                                                                  |
|                          |      | 22554d                                                       | 20         | 20,5 – 17,0       | 20,5             | 21,0                         | 26,0            | 30x33,5        | 25                                                                                  |
| M32x1,5                  | 8,0  | 23255d                                                       | 25         | 25,0 – 20,0       | 26,5             | 29,0                         | 29,0            | 40x43,5        | 10                                                                                  |
|                          |      | 23255d                                                       | 28         | 28,0 – 24,0       | 26,5             | 29,0                         | 29,0            | 40x43,5        | 10                                                                                  |
|                          |      | 23256d                                                       | 32         | 32,0 – 27,0       | 26,0             | 38,0                         | 28,0            | 50x54          | 5                                                                                   |
|                          |      | 23256d                                                       | 34         | 34,0 – 29,0       | 26,0             | 38,0                         | 28,0            | 50x54          | 5                                                                                   |
|                          |      | 23256d                                                       | 36         | 36,0 – 32,0       | 26,0             | 38,0                         | 28,0            | 50x54          | 5                                                                                   |
| M40x1,5                  | 9,0  | 24056d                                                       | 32         | 32,0 – 27,0       | 34,5             | 38,0                         | 28,0            | 50x54          | 10                                                                                  |
|                          |      | 24056d                                                       | 34         | 34,0 – 29,0       | 34,5             | 38,0                         | 28,0            | 50x54          | 10                                                                                  |
|                          |      | 24056d                                                       | 36         | 36,0 – 32,0       | 34,5             | 38,0                         | 28,0            | 50x54          | 10                                                                                  |
| M50x1,5                  | 10,0 | 25057d                                                       | 38 *       | 38,0 – 34,0       | 42,0             | 42,0                         | 32,0            | 57x61          | 5                                                                                   |
|                          |      | 25057d                                                       | 40 *       | 40,0 – 36,0       | 42,0             | 42,0                         | 32,0            | 57x61          | 5                                                                                   |

\* Dichteinsatz aus Silikon HT nicht lieferbar  
\* Sealing insert silicone HT not available



**Passende Gegenmuttern ab Seite 442**  
Corresponding locknuts see from page 442

## UNI Dicht Erweitert

UNI Dicht Extended



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Polycarbonat, Farbe: grau (RAL 7035), schwarz (RAL 9005)**  
**Metrisches Anschlussgewinde EN 60423**  
**Schutzart IP 68 bis 10 bar, Type 4X**  
**Zugentlastung bis Klasse A, EN 62444**

Polycarbonate, colour: grey (RAL 7035), black (RAL 9005)  
 Metric connection thread EN 60423  
 Type of protection IP 68 up to 10 bar, Type 4X  
 Strain relief up to class A, EN 62444

**Achtung: Dichteinsätze mit kurzer Bauform Art.-Nr.: Ek... verwenden**  
 Note: Only use short sealing inserts art. no.: Ek...

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| PC                                                    | Grau<br>Grey                       |                                         | TPE                                               | s. FC<br>s. CC   |                                         | -20 °C / +100 °C                                             |
| PC                                                    | Grau<br>Grey                       |                                         | TPE-V                                             | Natur<br>Natural | p                                       | -20 °C / +100 °C                                             |
| PC                                                    | Grau<br>Grey                       |                                         | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -20 °C / +100 °C                                             |
| PC                                                    | Schwarz<br>Black                   | n                                       | TPE                                               | s. FC<br>s. CC   |                                         | -20 °C / +100 °C                                             |
| PC                                                    | Schwarz<br>Black                   | n                                       | TPE-V                                             | Natur<br>Natural | p                                       | -20 °C / +100 °C                                             |
| PC                                                    | Schwarz<br>Black                   | n                                       | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -20 °C / +100 °C                                             |

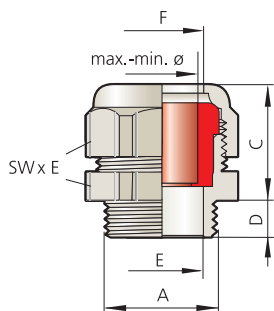


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length          | Art.-Nr.<br>Art. no. | Dichtbereich<br>Sealing range | Innendurchmesser<br>Inner diameter | Durchlass Druckschraube max.<br>Opening pressure screw max. | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width |      |         |
|--------------------------------------------------------------|----------------------|-------------------------------|------------------------------------|-------------------------------------------------------------|----------------------------|---------------------------------|------|---------|
| Ausführung bitte ergänzen<br>Please complete product details |                      |                               |                                    |                                                             |                            |                                 |      |         |
|                                                              |                      | = TPE                         |                                    |                                                             |                            |                                 |      |         |
| A                                                            | D                    | Grau/Grey                     | = p = TPE-V                        | max./min. ø                                                 | E                          | F                               | C    | SW x E  |
|                                                              | mm                   | Schwarz/Black                 | = n H = Silikon HT/<br>Silicone HT | mm                                                          | mm                         | mm                              | mm   | mm      |
| M12x1,5                                                      | 8,0                  | 21250PC                       | 8                                  | 8,0– 5,0                                                    | 7,0                        | 10,0                            | 22,0 | 19x21,2 |
|                                                              |                      | 21250PC                       | 9                                  | 9,5– 6,5                                                    | 7,0                        | 10,0                            | 22,0 | 19x21,2 |
| M16x1,5                                                      | 8,5                  | 21651PC                       | 11                                 | 10,5– 7,0                                                   | 11,5                       | 11,0                            | 23,0 | 22x24,5 |
|                                                              |                      | 21652PC                       | 13                                 | 13,0– 9,0                                                   | 11,5                       | 13,5                            | 24,0 | 24x26,5 |
| M20x1,5                                                      | 9,0                  | 22053PC                       | 11                                 | 10,5– 7,0                                                   | 13,5                       | 16,0                            | 24,0 | 27x29,5 |
|                                                              |                      | 22053PC                       | 16                                 | 15,5– 11,5                                                  | 13,5                       | 16,0                            | 24,0 | 27x29,5 |
| M25x1,5                                                      | 11,0                 | 22554PC                       | 18                                 | 18,0– 14,0                                                  | 20,5                       | 21,0                            | 29,0 | 33x36,5 |
|                                                              |                      | 22554PC                       | 20                                 | 20,5– 17,0                                                  | 20,5                       | 21,0                            | 29,0 | 33x36,5 |
|                                                              |                      | 22555PC                       | 20                                 | 20,5– 17,0                                                  | 20,5                       | 28,0                            | 29,0 | 43x46   |
|                                                              |                      | 22555PC                       | 25                                 | 25,0– 20,0                                                  | 20,5                       | 28,0                            | 29,0 | 43x46   |
|                                                              |                      | 22555PC                       | 28                                 | 28,0– 24,0                                                  | 20,5                       | 28,0                            | 29,0 | 43x46   |
| M32x1,5                                                      | 11,0                 | 23255PC                       | 25                                 | 25,0– 20,0                                                  | 25,0                       | 28,0                            | 32,0 | 43x46   |
|                                                              |                      | 23255PC                       | 28                                 | 28,0– 24,0                                                  | 25,0                       | 28,0                            | 32,0 | 43x46   |
| M40x1,5                                                      | 13,0                 | 24056PC                       | 32                                 | 32,0– 27,0                                                  | 34,5                       | 37,0                            | 35,0 | 53x57   |
|                                                              |                      | 24056PC                       | 34                                 | 34,0– 29,0                                                  | 34,5                       | 37,0                            | 35,0 | 53x57   |
|                                                              |                      | 24056PC                       | 36                                 | 36,0– 32,0                                                  | 34,5                       | 37,0                            | 35,0 | 53x57   |

**Schutzart IP 68/Type 4X ausschließlich in Verbindung mit separat erhältlicher Flachdichtung auf Seite 468**  
 Type of protection IP 68/Type 4X only in combination with separately available flat seal ring on page 468

**Passende Gegenmuttern ab Seite 442**  
 Corresponding locknuts see from page 442



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**PVDF, Farbe: transparent, blau (RAL 5015), schwarz (RAL 9005)**  
**Metrisches Anschlussgewinde EN 60423**  
**Schutzart IP 68 bis 10 bar**  
**Zugentlastung bis Klasse A, EN 62444**

*PVDF, colour: transparent, blue (RAL 5015), black (RAL 9005)*  
*Metric connection thread EN 60423*  
*Type of protection IP 68 up to 10 bar*  
*Strain relief up to class A, EN 62444*

**i Achtung: Dichteinsätze mit kurzer Bauform Art.-Nr.: Ek... verwenden**  
Note: Only use short sealing inserts art. no.: Ek...

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| PVDF                                                  | Transparent                        |                                         | TPE                                               | s. FC<br>s. CC   |                                         | -40 °C / +130 °C                                             |
| PVDF                                                  | Transparent                        |                                         | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| PVDF                                                  | Transparent                        |                                         | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -40 °C / +150 °C                                             |
| PVDF                                                  | Blau<br>Blue                       | a                                       | TPE                                               | s. FC<br>s. CC   |                                         | -40 °C / +130 °C                                             |
| PVDF                                                  | Blau<br>Blue                       | a                                       | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| PVDF                                                  | Blau<br>Blue                       | a                                       | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -40 °C / +150 °C                                             |
| PVDF                                                  | Schwarz<br>Black                   | n                                       | TPE                                               | s. FC<br>s. CC   |                                         | -40 °C / +130 °C                                             |
| PVDF                                                  | Schwarz<br>Black                   | n                                       | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| PVDF                                                  | Schwarz<br>Black                   | n                                       | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -40 °C / +150 °C                                             |

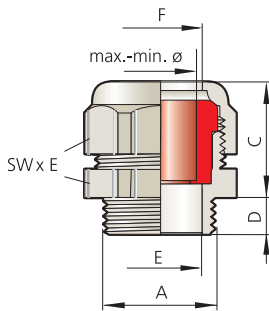


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge  |      | Art.-Nr.                                                     |    | Dichtbereich  | Innendurchmesser | Durchlass Druckschraube max. | Bauhöhe         | Schlüsselweite |         |    |
|--------------------------|------|--------------------------------------------------------------|----|---------------|------------------|------------------------------|-----------------|----------------|---------|----|
| Connection thread/length |      | Art. no.                                                     |    | Sealing range | Inner diameter   | Opening pressure screw max.  | Mounting height | Spanner width  |         |    |
|                          |      | Ausführung bitte ergänzen<br>Please complete product details |    |               |                  |                              |                 |                |         |    |
| A                        | D    | Transparent                                                  | =  | p             |                  |                              |                 |                |         |    |
|                          |      | Blau/Blue                                                    | =  | a             | p                |                              |                 |                |         |    |
|                          | mm   | Schwarz/Black                                                | =  | n             | H                |                              |                 |                |         |    |
|                          |      |                                                              |    |               | max./min. ø      | E                            | F               | C              | SW x E  |    |
|                          |      |                                                              |    |               | mm               | mm                           | mm              | mm             | mm      |    |
| M16x1,5                  | 8,5  | 21651y                                                       | 9  |               | 9,5– 6,5         | 11,5                         | 11,0            | 23,0           | 22x24,5 | 50 |
|                          |      | 21651y                                                       | 11 |               | 10,5– 7,0        | 11,5                         | 11,0            | 23,0           | 22x24,5 | 50 |
| M16x1,5                  | 11,0 | 21652y                                                       | 11 |               | 10,5– 7,0        | 11,5                         | 13,0            | 25,0           | 24x26,5 | 50 |
|                          |      | 21652y                                                       | 13 |               | 13,0– 9,0        | 11,5                         | 13,0            | 25,0           | 24x26,5 | 50 |
| M20x1,5                  | 9,0  | 22053y                                                       | 16 |               | 15,5– 11,5       | 13,5                         | 16,0            | 26,0           | 27x29,5 | 50 |
| M20x1,5                  | 11,0 | 22054y                                                       | 16 |               | 15,5– 11,5       | 15,5                         | 21,0            | 29,0           | 33x36,5 | 50 |
|                          |      | 22054y                                                       | 18 |               | 18,0– 14,0       | 15,5                         | 21,0            | 29,0           | 33x36,5 | 50 |
|                          |      | 22054y                                                       | 20 |               | 20,5– 17,0       | 15,5                         | 21,0            | 29,0           | 33x36,5 | 50 |
| M25x1,5                  | 11,0 | 22554y                                                       | 16 |               | 15,5– 11,5       | 19,0                         | 21,0            | 29,0           | 33x36,5 | 25 |
|                          |      | 22554y                                                       | 18 |               | 18,0– 14,0       | 19,0                         | 21,0            | 29,0           | 33x36,5 | 25 |
|                          |      | 22554y                                                       | 20 |               | 20,5– 17,0       | 19,0                         | 21,0            | 29,0           | 33x36,5 | 25 |
|                          |      | 22555y                                                       | 18 |               | 18,0– 14,0       | 20,5                         | 28,0            | 33,0           | 43x46   | 25 |
|                          |      | 22555y                                                       | 20 |               | 20,5– 17,0       | 20,5                         | 28,0            | 33,0           | 43x46   | 25 |
|                          |      | 22555y                                                       | 25 |               | 25,0– 20,0       | 20,5                         | 28,0            | 33,0           | 43x46   | 25 |
|                          |      | 22555y                                                       | 28 |               | 28,0– 24,0       | 20,5                         | 28,0            | 33,0           | 43x46   | 25 |
| M32x1,5                  | 11,0 | 23255y                                                       | 25 |               | 25,0– 20,0       | 25,0                         | 28,0            | 33,0           | 43x46   | 10 |
|                          |      | 23255y                                                       | 28 |               | 28,0– 24,0       | 25,0                         | 28,0            | 33,0           | 43x46   | 10 |
| M40x1,5                  | 13,0 | 24056y                                                       | 32 |               | 32,0– 27,0       | 34,5                         | 37,0            | 35,0           | 53x57   | 5  |
|                          |      | 24056y                                                       | 34 |               | 34,0– 29,0       | 34,5                         | 37,0            | 35,0           | 53x57   | 5  |
|                          |      | 24056y                                                       | 36 |               | 36,0– 32,0       | 34,5                         | 37,0            | 35,0           | 53x57   | 5  |

**i Schutzart IP 68 ausschließlich in Verbindung mit separat erhältlicher Flachdichtung auf Seite 468**  
Type of protection IP 68 only in combination with separately available flat sealing ring on page 468



## UNI Dicht 2M



Abb. 1 – UNI Dicht 2M mit großem Dichtbereich  
Fig. 1 – UNI Dicht 2M with large sealing range

Abb. 2 – UNI Dicht 2M in der Explosionsansicht  
Fig. 2 – Exploded view of UNI Dicht 2M

Die UNI Dicht 2M ist eine Ergänzung des PFLITSCH-Produktportfolios. Große Dichtbereiche sowie ein großer Durchlass am Doppelnippel für die Durchführung konfektionierter Kabel sind prägnante Eigenschaften dieser Kabelverschraubung.

Die UNI Dicht 2M verbindet die hohe Qualität des UNI Dicht-Systems mit den Anforderungen, bei denen hohe Stückzahlen zu wirtschaftlichen Konditionen benötigt werden. Diese Kabelverschraubung ist in komplett metrischer Ausführung erhältlich. Die UNI Dicht 2M mit ihrem Verschraubungskörper aus Messing gibt es in den gängigen Größen M16 bis M40.

Diese Variante benötigt nur noch einen Montageschlüssel, da der Doppelnippel und die Druckschraube identische Schlüsselweiten haben. Darüber hinaus punktet die UNI Dicht 2M durch eine optimierte Schlüsselweite und eine geringe Bauhöhe, sodass bei der Installation eine hohe Packungsdichte und somit sehr geringe Lochabstände möglich sind. Durch die großen Dichtbereiche kann in vielen Fällen mit einem kleineren Anschlussgewinde gearbeitet werden. Das spart Kosten und Platz bei der Montage.

Bei der UNI Dicht 2M wird das gleiche Dichtprinzip wie im UNI Dicht-System angewendet. Die Systemmaße sind unterschiedlich, weswegen die Varianten wie Mehrfach, Schlauch und EMV weiterhin aus dem Standard UNI Dicht-System abgedeckt werden.

#### Ihre Vorteile:

- Größere Dichtbereiche als im Standard
- Geringe Bauhöhe
- Kleinere Anschlussgewinde

*The UNI Dicht 2M is an addition to the product portfolio. Large sealing ranges and a larger entry to the double nipples in order to route pre-assembled cables are the new qualities of these cable glands.*

*The UNI Dicht 2M combines the high quality of the UNI Dicht system with the demands of an application where large volumes are required at economical conditions. This new cable gland is available in a completely metric version. The UNI Dicht 2M, with its gland made of brass, is available in sizes M16 to M40.*

*This variant needs only one assembly tool because the double nipple and the pressure screw have identical spanner widths. Moreover, the UNI Dicht 2M has an optimised spanner width and a small mounting height, which produces highly compact installations with very close hole centres. In many cases, the large sealing ranges allow smaller threaded connections to be used. This saves cost and space in the installation.*

*In the UNI Dicht 2M the same sealing principle is used as in the UNI Dicht system. The system dimensions are diverse, and therefore the variations multiple, hoses and EMC are covered by the standard UNI Dicht system.*

#### Your advantages:

- Larger sealing ranges than standard version
- Small mounting height
- Smaller connection thread



Abb. 1 – UNI Dicht 2M im montierten Zustand  
Fig. 1 – UNI Dicht 2M in assembled state

# UNI Dicht 2M-Kabelverschraubung

UNI Dicht 2M cable gland

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt**  
**Metrisches Kopf- und Anschlussgewinde EN 60423**  
**Mit O-Ring HNBR**  
**Schutzart IP 68 bis 10 bar**  
**Zugentlastung bis Klasse A, EN 62444**

*Brass, nickel-plated*  
*Metric head and connection thread EN 60423*  
*With o-ring HNBR*  
*Type of protection IP 68 up to 10 bar*  
*Strain relief up to class A, EN 62444*

**i Ausführung UNI Ex Dicht 2M auf Seite 301**  
Version UNI Ex Dicht 2M on page 301

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour        | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|---------------------------------------------------|------------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE                                               | Moosgrün<br>Moss green | -40 °C / +130 °C                                             |

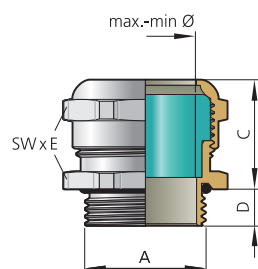


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no. | Dichtbereich<br>Sealing range<br>max./min. ø<br>mm | Bauhöhe<br>Mounting height<br>C<br>mm | Schlüsselweite<br>Spanner width<br>SW x E<br>mm |     |
|-----------------------------------------------------|---------|----------------------|----------------------------------------------------|---------------------------------------|-------------------------------------------------|-----|
| A                                                   | D<br>mm |                      |                                                    |                                       |                                                 |     |
| M16x1,5                                             | 6,0     | 21618d 6             | 6,5 – 4,0                                          | 19,0                                  | 20x22,2                                         | 500 |
|                                                     |         | 21618d 8             | 8,5 – 6,0                                          | 19,0                                  | 20x22,2                                         | 500 |
|                                                     |         | 21618d11             | 11,5 – 8,0                                         | 19,0                                  | 20x22,2                                         | 500 |
| M20x1,5                                             | 6,5     | 22020d 9             | 9,0 – 6,5                                          | 19,0                                  | 22x24,9                                         | 500 |
|                                                     |         | 22020d12             | 12,0 – 8,5                                         | 19,0                                  | 22x24,9                                         | 500 |
|                                                     |         | 22020d14             | 14,0 – 10,0                                        | 19,0                                  | 22x24,9                                         | 500 |
|                                                     |         | 22022d15             | 15,5 – 11,5                                        | 19,0                                  | 24x26,7                                         | 500 |
| M25x1,5                                             | 7,5     | 22528d11             | 11,0 – 8,0                                         | 22,0                                  | 30x33,5                                         | 500 |
|                                                     |         | 22528d14             | 14,0 – 10,5                                        | 22,0                                  | 30x33,5                                         | 500 |
|                                                     |         | 22528d17             | 17,0 – 13,5                                        | 22,0                                  | 30x33,5                                         | 500 |
|                                                     |         | 22528d20             | 20,5 – 16,5                                        | 22,0                                  | 30x33,5                                         | 500 |
| M32x1,5                                             | 8,0     | 23234d16             | 16,5 – 13,0                                        | 25,0                                  | 36x39,5                                         | 250 |
|                                                     |         | 23234d19             | 19,5 – 16,0                                        | 25,0                                  | 36x39,5                                         | 250 |
|                                                     |         | 23234d22             | 22,5 – 19,0                                        | 25,0                                  | 36x39,5                                         | 250 |
|                                                     |         | 23234d26             | 26,0 – 22,0                                        | 25,0                                  | 36x39,5                                         | 250 |
| M40x1,5                                             | 8,0     | 24042d24             | 24,0 – 20,5                                        | 28,0                                  | 45x48                                           | 100 |
|                                                     |         | 24042d27             | 27,0 – 23,5                                        | 28,0                                  | 45x48                                           | 100 |
|                                                     |         | 24042d30             | 30,0 – 26,5                                        | 28,0                                  | 45x48                                           | 100 |
|                                                     |         | 24042d33             | 33,5 – 29,5                                        | 28,0                                  | 45x48                                           | 100 |

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## UNI Mehrfach – metrisch

*UNI Multiple – metric*



Abb. 1 – UNI Mehrfach montiert  
Fig. 1 – Assembled UNI Multiple

Abb. 2 – UNI Mehrfach und Verschlussbolzen für nicht belegte Löcher  
Fig. 2 – UNI Multiple and bolt for unused holes

Abb. 3 – UNI Mehrfach-Dichteinsätze mit unterschiedlichen Lochbildern  
Fig. 3 – UNI Multiple sealing inserts with different hole patterns

### Mehrere Kabel sicher durch eine Bohrung führen

Wer aus Platz- oder Handlinggründen mehrere Kabel sicher durch eine Bohrung führen möchte, ersetzt den Standard-Dichteinsatz einfach durch Typen aus dem UNI Mehrfach-Programm. Verschiedene Lochbilder stehen zur Verfügung, sodass sich auch unterschiedliche Kabeldurchmesser abdichten lassen. Dabei erreicht die UNI Mehrfach die Schutzart IP 65, wenn die Differenz von Kabeldurchmesser und Loch weniger als 10 % beträgt. Sind beide gleich, lässt sich auch IP 68 (bis 10 bar) erreichen. Dichtigkeit und Zugentlastung sind abhängig vom verwendeten Kabel. Entsprechende Tests bietet PFLITSCH im eigenen Prüflabor an.

### Dichteinsätze nach Kundenwunsch

PFLITSCH fertigt diese Dichteinsätze exakt nach Kundenvorgabe aus dem hochwertigen Kunststoff TPE-V, der Einsatztemperaturen von -40 °C bis +135 °C erlaubt. Dank dieser Fertigungsmethode kann PFLITSCH selbst Prototypen und Kleinserien zu wirtschaftlichen Preisen realisieren. Alternativ kann der Kunde geschlossene Dichteinsätze selbst mit Lochungen versehen. Nicht belegte Löcher werden mit einem Verschlussbolzen abgedichtet. Neben den runden Lochungen fertigt PFLITSCH auch Varianten für unterschiedliche Flach- oder Sonderkabel, beispielsweise für den ASI-Bus oder für Kabel, die mit Tragseilen ausgestattet sind.

### Dichteinsätze für konfektionierte Kabel

Die Mehrfach-Dichteinsätze gibt es auch geteilt, z. B. für die Abdichtung von Kabeln, die bereits mit Steckern oder Sensoren konfektioniert sind. Diese Bauteile werden durch den Verschraubungskörper geführt, bevor die Kabel von den zwei Hälften des Dichteinsatzes zuverlässig umschlossen werden.

Für den gleichen Anwendungsfall bieten sich die seitlich geschlitzten Dichteinsätze an: Durch den nach außen offenen Schlitz lassen sich Kabel unkompliziert einführen.

### Inserting several cables securely through a borehole

Users intending to thread several cables reliably through a borehole for space or handling reasons can replace the standard sealing insert with types from the UNI Multiple range. A number of hole patterns are available, so that a variety of cable diameters can also be sealed. Here UNI Multiple achieves protection class IP 65, when the difference between the cable diameter and breakthrough is less than 10%. Should the values be the same, IP 68 (up to 10 bar) can be achieved. The tightness and strain relief depend on the cable used. PFLITSCH conducts the corresponding testing in its own test laboratory.

### Sealing inserts according to customer wishes

PFLITSCH manufactures these sealing inserts exactly according to customer wishes from the high-grade plastic TPE-V, permitting application temperatures from -40 °C to +135 °C. Due to this production method, PFLITSCH can realise even prototypes and short runs economically. Alternatively, with a slowly running drill customers can make their own holes in closed sealing inserts. Unused holes are sealed with a bolt. In addition to the round perforations, PFLITSCH also produces variants for different flat cables or special cables, for example, for the ASI-Bus or for cables with track cables.

### Sealing inserts for ready-made cables

The multiple sealing inserts also come split, e.g. for sealing cables, already made up with connectors or sensors. These components are threaded through the gland body before the cables are reliably enclosed by the two halves of the sealing insert.

The laterally slotted sealing inserts also lend themselves to this application: Cables can be inserted through the slot open to the outside.



Abb. 1 – Geteilter Mehrfach-Dichteinsatz  
Fig. 1 – Split multiple sealing insert

Abb. 2 – Kabelverschraubung für zwei ASI-Bus-Kabel  
Fig. 2 – Cable gland for two ASI-Bus cables

# UNI Mehrfach-Kabelverschraubung

UNI Multiple cable gland



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt, Edelstahl 1.4305, Polycarbonat, PVDF**  
**Metrisches Anschlussgewinde gemäß EN 60423**  
**Schutzart IP 65**  
**Schutzart IP 68 bis 10 bar, wenn Kabel- $\varnothing$  = Loch- $\varnothing$ , Type 4X**  
**Zugentlastung bis Klasse A, EN 62444**

*Brass, nickel-plated, stainless steel AISI 303, polycarbonate, PVDF*  
*Metric connection thread EN 60423*

*Type of protection IP 65*  
*Type of protection IP 68 up to 10 bar, achievable if cable  $\varnothing$  = hole  $\varnothing$ , Type 4X*  
*Strain relief up to class A, EN 62444*

| Werkstoff Verschraubungskörper | Ausführung/Farbe | Bestellschlüssel    | Werkstoff Dichteinsatz  | Farbe   | Bestellschlüssel    | Temperaturbereich min./max.   |
|--------------------------------|------------------|---------------------|-------------------------|---------|---------------------|-------------------------------|
| Material gland body            | Version/colour   | Art. no. supplement | Material sealing insert | Colour  | Art. no. supplement | Temperature range (min./max.) |
| Messing                        | Vernickelt       | d                   | TPE                     | Weiß    |                     | -40 °C / +130 °C              |
| Brass                          | Nickel-plated    |                     |                         | White   |                     |                               |
| Messing                        | Vernickelt       | d                   | TPE-V                   | Natur   | p                   | -40 °C / +135 °C              |
| Brass                          | Nickel-plated    |                     |                         | Natural |                     |                               |
| VA 1.4305                      | Blank            | st                  | TPE                     | Weiß    |                     | -40 °C / +130 °C              |
| AISI 303                       |                  |                     |                         | White   |                     |                               |
| VA 1.4305                      | Blank            | st                  | TPE-V                   | Natur   | p                   | -40 °C / +135 °C              |
| AISI 303                       |                  |                     |                         | Natural |                     |                               |
| PC                             | Grau             | PC                  | TPE                     | Weiß    |                     | -20 °C / +100 °C              |
|                                | Grey             |                     |                         | White   |                     |                               |
| PC                             | Grau             | PC                  | TPE-V                   | Natur   | p                   | -20 °C / +100 °C              |
|                                | Grey             |                     |                         | Natural |                     |                               |
| PVDF                           | Transparent      | y                   | TPE                     | Weiß    |                     | -40 °C / +130 °C              |
|                                |                  |                     |                         | White   |                     |                               |
| PVDF                           | Transparent      | y                   | TPE-V                   | Natur   | p                   | -40 °C / +135 °C              |
|                                |                  |                     |                         | Natural |                     |                               |

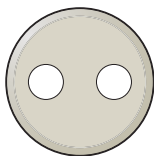
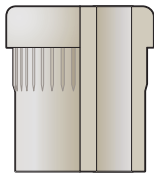


Abb. 3 – Beispiel „2 x 3“  
 2 = Anzahl Bohrungen  
 3 = Bohrungsdurchmesser in mm  
 Fig. 3 – Example „2 x 3“  
 2 = number of bores  
 3 = bore hole diameter in mm

| Anschlussgewinde  | Art.-Nr. |                                                              |           |
|-------------------|----------|--------------------------------------------------------------|-----------|
| Connection thread | Art. no. |                                                              |           |
|                   |          | Ausführung bitte ergänzen<br>Please complete product details |           |
|                   |          | Messing/Brass = d                                            |           |
|                   |          | VA 1.4305/AISI 303 = st                                      |           |
|                   |          | PC = PC                                                      | = TPE     |
|                   |          | PVDF = y                                                     | p = TPE-V |
| A                 |          |                                                              |           |
| M6x0,8            | 206      | m2x1 *                                                       | 50        |
| M10x1,0           | 21049    | m1x3/1mm *                                                   | 50        |
|                   | 21049    | m1x4/1mm *                                                   | 50        |
|                   | 21049    | m1x5/1mm *                                                   | 50        |
| M10x1,5           | 21049    | m1x3/1,5mm *                                                 | 50        |
|                   | 21049    | m1x4/1,5mm *                                                 | 50        |
|                   | 21049    | m1x5/1,5mm *                                                 | 50        |
| M12x1,5           | 21249    | m1x3                                                         | 50        |
|                   | 21249    | m1x4                                                         | 50        |
|                   | 21249    | m1x5                                                         | 50        |
|                   | 21249    | m2x3                                                         | 50        |
|                   | 21250    | m1x5 **                                                      | 50        |
|                   | 21250    | m2x3 **                                                      | 50        |
|                   | 21250    | m2x4 **                                                      | 50        |
|                   | 21250    | m3x3 **                                                      | 50        |
| M16x1,5           | 21650    | m1x1,5S/1x4                                                  | 50        |
|                   | 21650    | m1x3                                                         | 50        |
|                   | 21650    | m1x4                                                         | 50        |
|                   | 21650    | m1x5                                                         | 50        |
|                   | 21650    | m2x1,2                                                       | 50        |
|                   | 21650    | m2x3                                                         | 50        |
|                   | 21650    | m2x3,3                                                       | 50        |
|                   | 21650    | m2x4                                                         | 50        |
|                   | 21650    | m3x3                                                         | 50        |
|                   | 21650    | m3x3,5                                                       | 50        |
|                   | 21650    | m4x1,4                                                       | 50        |

\* Variante in y und PC nicht erhältlich \*\* Dichteinsatz kurz = Art.-Nr.: Ek...  
 \* Variant in y and PC not available \*\* Sealing insert short = art. no.: Ek...

Fortsetzung auf der nächsten Seite  
 Continued on next page

# UNI Mehrfach-Kabelverschraubung

UNI Multiple cable gland

Fortsetzung von vorheriger Seite  
Continued from previous page

| Anschlussgewinde  |                    | Art.-Nr.                                                     |           |
|-------------------|--------------------|--------------------------------------------------------------|-----------|
| Connection thread |                    | Art. no.                                                     |           |
|                   |                    | Ausführung bitte ergänzen<br>Please complete product details |           |
| A                 | Messing/Brass      | = d                                                          |           |
|                   | VA 1.4305/AISI 303 | = st                                                         |           |
|                   | PC                 | = PC                                                         | = TPE     |
|                   | PVDF               | = y                                                          | p = TPE-V |
| M16x1,5           | 21650              | m4x2                                                         | 50        |
|                   | 21650              | m4x3                                                         | 50        |
|                   | 21650              | m4x3,3                                                       | 50        |
|                   | 21650              | m5x1,4                                                       | 50        |
|                   | 21651              | m1x2/2x4 *                                                   | 50        |
|                   | 21651              | m1x4/1x6 *                                                   | 50        |
|                   | 21651              | m2x3/1x5 *                                                   | 50        |
|                   | 21651              | m2x5 *                                                       | 50        |
|                   | 21651              | m6x2 *                                                       | 50        |
|                   | 21652              | m1x4,7/1x6,4 *                                               | 50        |
|                   | 21652              | m2x2,5/2x6 *                                                 | 50        |
|                   | 21652              | m2x3 *                                                       | 50        |
|                   | 21652              | m2x4 *                                                       | 50        |
|                   | 21652              | m2x5 *                                                       | 50        |
|                   | 21652              | m2x6 *                                                       | 50        |
|                   | 21652              | m3x4 *                                                       | 50        |
|                   | 21652              | m3x5                                                         | 50        |
|                   | 21652              | m3x5,3 *                                                     | 50        |
|                   | 21652              | m4x4 *                                                       | 50        |
|                   | 21652              | m8x1,5 *                                                     | 50        |
|                   | 21652              | m8x3 *                                                       | 50        |
| M20x1,5           | 22051              | m1x3                                                         | 50        |
|                   | 22051              | m1x3/1x6                                                     | 50        |
|                   | 22051              | m1x4                                                         | 50        |
|                   | 22051              | m1x5                                                         | 50        |
|                   | 22051              | m2x2,3                                                       | 50        |
|                   | 22051              | m2x3                                                         | 50        |
|                   | 22051              | m2x4                                                         | 50        |
|                   | 22051              | m2x5                                                         | 50        |
|                   | 22051              | m2x6                                                         | 50        |
|                   | 22051              | m3x1,5                                                       | 50        |
|                   | 22051              | m3x3                                                         | 50        |
|                   | 22051              | m3x4                                                         | 50        |
|                   | 22051              | m4x1,5                                                       | 50        |
|                   | 22051              | m4x2,5/1x3,5                                                 | 50        |
|                   | 22051              | m5x2,5                                                       | 50        |
|                   | 22051              | m5x3,5                                                       | 50        |
|                   | 22051              | m6x2,5                                                       | 50        |
|                   | 22051              | m7x1,5                                                       | 50        |
|                   | 22051              | m9x1,5                                                       | 50        |
|                   | 22052              | m1x2/3x3 **                                                  | 50        |
|                   | 22052              | m1x2,5 **                                                    | 50        |
|                   | 22052              | m1x3 **                                                      | 50        |
|                   | 22052              | m1x3/2x6 **                                                  | 50        |
|                   | 22052              | m1x3,5/1x6 **                                                | 50        |
|                   | 22052              | m1x3,5/2x4,5 **                                              | 50        |
|                   | 22052              | m1x4 **                                                      | 50        |

| Anschlussgewinde  |                    | Art.-Nr.                                                     |           |
|-------------------|--------------------|--------------------------------------------------------------|-----------|
| Connection thread |                    | Art. no.                                                     |           |
| A                 |                    | Ausführung bitte ergänzen<br>Please complete product details |           |
|                   | Messing/Brass      | = d                                                          |           |
|                   | VA 1.4305/AISI 303 | = st                                                         |           |
|                   | PC                 | = PC                                                         | = TPE     |
|                   | PVDF               | = y                                                          | p = TPE-V |
| M20x1,5           | 22052              | m1x4,7/1x6,4 **                                              | 50        |
|                   | 22052              | m1x5 **                                                      | 50        |
|                   | 22052              | m1x5,5/1x6 ** ***                                            | 50        |
|                   | 22052              | m1x8S **                                                     | 50        |
|                   | 22052              | m2x3 **                                                      | 50        |
|                   | 22052              | m2x4 ** ***                                                  | 50        |
|                   | 22052              | m2x4/1x5,5 **                                                | 50        |
|                   | 22052              | m2x4,5 **                                                    | 50        |
|                   | 22052              | m2x5 **                                                      | 50        |
|                   | 22052              | m2x5/1x5,5 **                                                | 50        |
|                   | 22052              | m2x6 **                                                      | 50        |
|                   | 22052              | m3x1,9/1x6 **                                                | 50        |
|                   | 22052              | m3x2 **                                                      | 50        |
|                   | 22052              | m3x3 **                                                      | 50        |
|                   | 22052              | m3x3/1x6 **                                                  | 50        |
|                   | 22052              | m3x4 **                                                      | 50        |
|                   | 22052              | m3x5,3 **                                                    | 50        |
|                   | 22052              | m3x5,3S **                                                   | 50        |
|                   | 22052              | m4x3 **                                                      | 50        |
|                   | 22052              | m4x4 **                                                      | 50        |
|                   | 22052              | m5x2 **                                                      | 50        |
|                   | 22052              | m6x2,5 **                                                    | 50        |
|                   | 22052              | m6x3,5 **                                                    | 50        |
|                   | 22052              | m7x3,3 **                                                    | 50        |
|                   | 22052              | m8x1,5 **                                                    | 50        |
|                   | 22052              | m8x2 **                                                      | 50        |
|                   | 22052              | m8x3 ** ***                                                  | 50        |
|                   | 22052              | m10x2 **                                                     | 50        |
|                   | 22052              | m10x2,6 ** ***                                               | 50        |
|                   | 22053              | m1x3/1x6/1x8 *                                               | 50        |
|                   | 22053              | m1x5/1x9 *                                                   | 50        |
|                   | 22053              | m1x6/1x8 *                                                   | 50        |
|                   | 22053              | m2x3,2/2x6 *                                                 | 50        |
|                   | 22053              | m2x3,5 *                                                     | 50        |
|                   | 22053              | m2x4 *                                                       | 50        |
|                   | 22053              | m2x5 *                                                       | 50        |
|                   | 22053              | m2x5,3/1x6,3 *                                               | 50        |
|                   | 22053              | m2x6 *                                                       | 50        |
|                   | 22053              | m2x6/1x7 *                                                   | 50        |
|                   | 22053              | m2x6,5 *                                                     | 50        |
|                   | 22053              | m2x7 *                                                       | 50        |
|                   | 22053              | m2x8 *                                                       | 50        |
|                   | 22053              | m3x5/1x8 *                                                   | 50        |
|                   | 22053              | m3x6 *                                                       | 50        |
|                   | 22053              | m3x7 *                                                       | 50        |
|                   | 22053              | m4x5 *                                                       | 50        |

\* Dichteinsatz kurz = Art.-Nr.: Ek... \*\* Bei Variante y und PC Dichteinsatz kurz = Art.-Nr.: Ek... \*\*\* Variante in d und st nicht erhältlich  
\* Sealing insert short = art. no.: Ek... \*\* Variant y and PC sealing insert short = art. no.: Ek... \*\*\* Variant in d and st not available

## UNI Mehrfach-Kabelverschraubung

UNI Multiple cable gland

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| Anschlussgewinde  |                    | Art.-Nr.                                                     |           |
|-------------------|--------------------|--------------------------------------------------------------|-----------|
| Connection thread |                    | Art. no.                                                     |           |
|                   |                    | Ausführung bitte ergänzen<br>Please complete product details |           |
| A                 | Messing/Brass      | = d                                                          |           |
|                   | VA 1.4305/AISI 303 | = st                                                         |           |
|                   | PC                 | = PC                                                         | = TPE     |
|                   | PVDF               | = y                                                          | p = TPE-V |
| M20x1,5           | 22053              | m4x6 *                                                       | 50        |
|                   | 22053              | m6x4 *                                                       | 50        |
|                   | 22053              | m18x2,4 *                                                    | 50        |
| M25x1,5           | 22553              | m1x2,6                                                       | 50        |
|                   | 22553              | m1x3/1x8                                                     | 50        |
|                   | 22553              | m1x3/1x9                                                     | 50        |
|                   | 22553              | m1x3/2x7,7                                                   | 50        |
|                   | 22553              | m1x3/2x8                                                     | 50        |
|                   | 22553              | m1x3,3/2x3,7                                                 | 50        |
|                   | 22553              | m1x3,5                                                       | 50        |
|                   | 22553              | m1x4                                                         | 50        |
|                   | 22553              | m1x4/1x5                                                     | 50        |
|                   | 22553              | m1x4/2x6/1x7                                                 | 50        |
|                   | 22553              | m1x4/3x5                                                     | 50        |
|                   | 22553              | m1x5                                                         | 50        |
|                   | 22553              | m1x5/1x9                                                     | 50        |
|                   | 22553              | m1x5/2x6                                                     | 50        |
|                   | 22553              | m1x6/1x8                                                     | 50        |
|                   | 22553              | m1x6/1x9,5                                                   | 50        |
|                   | 22553              | m1x6,3/1x6,6                                                 | 50        |
|                   | 22553              | m1x8,5                                                       | 50        |
|                   | 22553              | m2x3,2/2x6                                                   | 50        |
|                   | 22553              | m2x3,3                                                       | 50        |
|                   | 22553              | m2x3,5                                                       | 50        |
|                   | 22553              | m2x3,5/1x5,5                                                 | 50        |
|                   | 22553              | m2x3,5/1x8,5                                                 | 50        |
|                   | 22553              | m2x4                                                         | 50        |
|                   | 22553              | m2x5                                                         | 50        |
|                   | 22553              | m2x5/1x6                                                     | 50        |
|                   | 22553              | m2x6                                                         | 50        |
|                   | 22553              | m2x6/1x7                                                     | 50        |
|                   | 22553              | m2x6/1x8                                                     | 50        |
|                   | 22553              | m2x7                                                         | 50        |
|                   | 22553              | m2x8                                                         | 50        |
|                   | 22553              | m3x1,9/1x2,4/1x7                                             | 50        |
|                   | 22553              | m3x2,5/1x3,5/1x7                                             | 50        |
|                   | 22553              | m3x3                                                         | 50        |
|                   | 22553              | m3x3/1x6                                                     | 50        |
|                   | 22553              | m3x3,5                                                       | 50        |
|                   | 22553              | m3x4/1x9                                                     | 50        |
|                   | 22553              | m3x5/1x8                                                     | 50        |
|                   | 22553              | m3x6                                                         | 50        |
|                   | 22553              | m3x7                                                         | 50        |
|                   | 22553              | m4x3                                                         | 50        |

| Anschlussgewinde  |                    | Art.-Nr.                                                     |           |
|-------------------|--------------------|--------------------------------------------------------------|-----------|
| Connection thread |                    | Art. no.                                                     |           |
|                   |                    | Ausführung bitte ergänzen<br>Please complete product details |           |
| A                 | Messing/Brass      | = d                                                          |           |
|                   | VA 1.4305/AISI 303 | = st                                                         |           |
|                   | PC                 | = PC                                                         | = TPE     |
|                   | PVDF               | = y                                                          | p = TPE-V |
| M25x1,5           | 22553              | m4x4                                                         | 50        |
|                   | 22553              | m4x5                                                         | 50        |
|                   | 22553              | m4x6                                                         | 50        |
|                   | 22553              | m6x4                                                         | 50        |
|                   | 22553              | m7x2                                                         | 50        |
|                   | 22553              | m7x3                                                         | 50        |
|                   | 22553              | m9x3                                                         | 50        |
|                   | 22553              | m13x2,7                                                      | 50        |
|                   | 22554              | m1x4/1x12 *                                                  | 25        |
|                   | 22554              | m1x4,5/1x12 *                                                | 25        |
|                   | 22554              | m1x4,5/2x6,5 *                                               | 25        |
|                   | 22554              | m1x5/1x11,2 *                                                | 25        |
|                   | 22554              | m1x5,5/1x9 *                                                 | 25        |
|                   | 22554              | m1x5,5/1x10,5 *                                              | 25        |
|                   | 22554              | m1x5,8/1x6,9/1x8,4 *                                         | 25        |
|                   | 22554              | m1x6/2x9 *                                                   | 25        |
|                   | 22554              | m1x6,5/1x12 *                                                | 25        |
|                   | 22554              | m1x6,9/1x7,4/1x8,4 *                                         | 25        |
|                   | 22554              | m1x7/1x8,5 *                                                 | 25        |
|                   | 22554              | m1x7/1x10,5 *                                                | 25        |
|                   | 22554              | m1x7,5/1x8,5/1x10 *                                          | 25        |
|                   | 22554              | m1x8 *                                                       | 25        |
|                   | 22554              | m1x8,5/1x12 *                                                | 25        |
|                   | 22554              | m1x11,8 *                                                    | 25        |
|                   | 22554              | m2x5/1x5,5 *                                                 | 25        |
|                   | 22554              | m2x6 *                                                       | 25        |
|                   | 22554              | m2x6/2x8 *                                                   | 25        |
|                   | 22554              | m2x6,5/1x9,5 *                                               | 25        |
|                   | 22554              | m2x7 *                                                       | 25        |
|                   | 22554              | m2x8 *                                                       | 25        |
|                   | 22554              | m2x9 *                                                       | 25        |
|                   | 22554              | m2x10 *                                                      | 25        |
|                   | 22554              | m3x2,5/3x8 *                                                 | 25        |
|                   | 22554              | m3x5 *                                                       | 25        |
|                   | 22554              | m3x7 *                                                       | 25        |
|                   | 22554              | m3x8 *                                                       | 25        |
|                   | 22554              | m3x9 *                                                       | 25        |
|                   | 22554              | m4x4,6/3x5,1 *                                               | 25        |
|                   | 22554              | m4x5 *                                                       | 25        |
|                   | 22554              | m4x5/1x6,5 *                                                 | 25        |
| 22554             | m4x6 *             | 25                                                           |           |
| 22554             | m4x6,5 *           | 25                                                           |           |
| 22554             | m4x7,5 *           | 25                                                           |           |
| 22554             | m4x8 *             | 25                                                           |           |

\* Dichteinsatz kurz = Art.-Nr.: Ek...

\* Sealing insert short = art. no.: Ek...

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# UNI Mehrfach-Kabelverschraubung

UNI Multiple cable gland

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| Anschlussgewinde  |                    | Art.-Nr.                                                     |           |
|-------------------|--------------------|--------------------------------------------------------------|-----------|
| Connection thread |                    | Art. no.                                                     |           |
|                   |                    | Ausführung bitte ergänzen<br>Please complete product details |           |
| A                 | Messing/Brass      | = d                                                          |           |
|                   | VA 1.4305/AISI 303 | = st                                                         |           |
|                   | PC                 | = PC                                                         | = TPE     |
|                   | PVDF               | = y                                                          | p = TPE-V |
| M25x1,5           | 22554              | m5x5 *                                                       | 25        |
|                   | 22554              | m5x6 *                                                       | 25        |
|                   | 22554              | m6x4 *                                                       | 25        |
|                   | 22554              | m6x5 *                                                       | 25        |
|                   | 22554              | m6x5,5 *                                                     | 25        |
|                   | 22554              | m6x6                                                         | 25        |
|                   | 22554              | m6x6,5 *                                                     | 25        |
|                   | 22554              | m7x4 *                                                       | 25        |
|                   | 22554              | m8x3 *                                                       | 25        |
|                   | 22554              | m8x4 *                                                       | 25        |
|                   | 22554              | m8x5 *                                                       | 25        |
|                   | 22554              | m8x5,5 *                                                     | 25        |
|                   | 22554              | m12x3,5 *                                                    | 25        |
|                   | 22555              | m1x10/1x12 * **                                              | 25        |
|                   | 22555              | m2x13,9 * **                                                 | 10        |
| M32x1,5           | 23254              | m1x3,2/2x5/1x6S                                              | 25        |
|                   | 23254              | m1x3,2/2x6/1x6, 1/1x6,8/1x7,3                                | 25        |
|                   | 23254              | m1x3,2/2x6/3x7                                               | 25        |
|                   | 23254              | m1x3,2S/2x5S/1x8,5S                                          | 25        |
|                   | 23254              | m1x4/1x5/1x13                                                | 25        |
|                   | 23254              | m1x4,3/1x6/1x8                                               | 25        |
|                   | 23254              | m1x4,5/1x6/2x6,5                                             | 25        |
|                   | 23254              | m1x4,5/2x7/1x8                                               | 25        |
|                   | 23254              | m1x4,5/2x8                                                   | 25        |
|                   | 23254              | m1x4,5/3x7,5                                                 | 25        |
|                   | 23254              | m1x5/1x7/1x12                                                | 25        |
|                   | 23254              | m1x5/1x9                                                     | 25        |
|                   | 23254              | m1x5,7/1x13                                                  | 25        |
|                   | 23254              | m1x5,7/2x6,3/1x8,5                                           | 25        |
|                   | 23254              | m1x6/2x9                                                     | 25        |
|                   | 23254              | m1x6,5/1x12                                                  | 25        |
|                   | 23254              | m1x7                                                         | 25        |
|                   | 23254              | m1x7/1x8,5                                                   | 25        |
|                   | 23254              | m1x7/1x10,5                                                  | 25        |
|                   | 23254              | m1x8,5/1x12                                                  | 25        |
|                   | 23254              | m1x9/1x10                                                    | 25        |
|                   | 23254              | m2x3,1/1x6/2x7,7                                             | 25        |
|                   | 23254              | m2x4,5                                                       | 25        |
|                   | 23254              | m2x4,5/1x13                                                  | 25        |
|                   | 23254              | m2x5,6                                                       | 25        |
|                   | 23254              | m2x6/2x8                                                     | 25        |
|                   | 23254              | m2x7                                                         | 25        |
|                   | 23254              | m2x7/3x7S                                                    | 25        |
|                   | 23254              | m2x7,2/1x10,5                                                | 25        |
|                   | 23254              | m2x8                                                         | 25        |
|                   | 23254              | m2x9                                                         | 25        |
|                   | 23254              | m3x3                                                         | 25        |

| Anschlussgewinde  |                    | Art.-Nr.                                                     |           |
|-------------------|--------------------|--------------------------------------------------------------|-----------|
| Connection thread |                    | Art. no.                                                     |           |
|                   |                    | Ausführung bitte ergänzen<br>Please complete product details |           |
| A                 | Messing/Brass      | = d                                                          |           |
|                   | VA 1.4305/AISI 303 | = st                                                         |           |
|                   | PC                 | = PC                                                         | = TPE     |
|                   | PVDF               | = y                                                          | p = TPE-V |
| M32x1,5           | 23254              | m3x4                                                         | 25        |
|                   | 23254              | m3x5                                                         | 25        |
|                   | 23254              | m3x6                                                         | 25        |
|                   | 23254              | m3x6/1x8                                                     | 25        |
|                   | 23254              | m3x6/2x8                                                     | 25        |
|                   | 23254              | m3x7                                                         | 25        |
|                   | 23254              | m3x8                                                         | 25        |
|                   | 23254              | m3x9                                                         | 25        |
|                   | 23254              | m4x5                                                         | 25        |
|                   | 23254              | m4x5/4x5S                                                    | 25        |
|                   | 23254              | m4x6                                                         | 25        |
|                   | 23254              | m4x6/1x8                                                     | 25        |
|                   | 23254              | m4x6/3x6S                                                    | 25        |
|                   | 23254              | m4x6,5                                                       | 25        |
|                   | 23254              | m4x6,5/1x6,5SB                                               | 25        |
|                   | 23254              | m4x8                                                         | 25        |
|                   | 23254              | m5x4                                                         | 25        |
|                   | 23254              | m5x5                                                         | 25        |
|                   | 23254              | m5x6                                                         | 25        |
|                   | 23254              | m6x4                                                         | 25        |
|                   | 23254              | m6x4/1x7                                                     | 25        |
|                   | 23254              | m6x5                                                         | 25        |
|                   | 23254              | m6x5,5                                                       | 25        |
|                   | 23254              | m6x6,5                                                       | 25        |
|                   | 23254              | m8x3                                                         | 25        |
|                   | 23254              | m8x4                                                         | 25        |
|                   | 23254              | m8x4/1x4SB                                                   | 25        |
|                   | 23254              | m8x5                                                         | 25        |
|                   | 23254              | m8x5,5                                                       | 25        |
|                   | 23254              | m9x3                                                         | 25        |
|                   | 23254              | m10x3                                                        | 25        |
|                   | 23254              | m21x2                                                        | 25        |
|                   | 23255              | m1x3,5/2x8/1x14 *                                            | 10        |
|                   | 23255              | m1x4/1x6/1x8/2x10 *                                          | 10        |
|                   | 23255              | m1x4/1x9,3/1x10 *                                            | 10        |
|                   | 23255              | m1x4/2x8 *                                                   | 10        |
|                   | 23255              | m1x5/3x8,5/1x10,5 *                                          | 10        |
|                   | 23255              | m1x5,8/1x6,9/1x11 *                                          | 10        |
|                   | 23255              | m1x5,8/2x11 *                                                | 10        |
|                   | 23255              | m1x6/1x8,5/1x10,5 *                                          | 10        |
|                   | 23255              | m1x6,5/1x17 *                                                | 10        |
|                   | 23255              | m1x6,5/2x11,2 *                                              | 10        |
|                   | 23255              | m1x7/1x16 *                                                  | 10        |
|                   | 23255              | m1x7/1x9/1x11 *                                              | 10        |
|                   | 23255              | m1x7/3x9                                                     | 10        |
|                   | 23255              | m1x7,2/1x9,1/1x9,3 *                                         | 10        |

\* Dichteinsatz kurz = Art.-Nr.: Ek... \*\* Ausführung in Edelstahl nicht lieferbar  
\* Sealing insert short = art. no.: Ek... \*\* Version made of stainless steel is not available

## UNI Mehrfach-Kabelverschraubung

UNI Multiple cable gland

Fortsetzung von vorheriger Seite  
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| Anschlussgewinde<br>Connection thread | Art.-Nr.<br>Art. no. | Ausführung bitte ergänzen<br>Please complete product details |           |    |
|---------------------------------------|----------------------|--------------------------------------------------------------|-----------|----|
|                                       |                      | Messing/Brass                                                | = d       |    |
| A                                     | VA 1.4305/AISI 303   | = st                                                         |           |    |
|                                       | PC                   | = PC                                                         | = TPE     |    |
|                                       | PVDF                 | = y                                                          | p = TPE-V |    |
|                                       |                      |                                                              |           |    |
| M32x1,5                               | 23255                | m1x8/1x14 *                                                  |           | 10 |
|                                       | 23255                | m1x8/1x9/1x12 *                                              |           | 10 |
|                                       | 23255                | m1x8/2x11 *                                                  |           | 10 |
|                                       | 23255                | m1x9/1x10 *                                                  |           | 10 |
|                                       | 23255                | m1x9/1x10/1x11 *                                             |           | 10 |
|                                       | 23255                | m1x9/1x15 *                                                  |           | 10 |
|                                       | 23255                | m1x10/1x12 *                                                 |           | 10 |
|                                       | 23255                | m1x10/1x13 *                                                 |           | 10 |
|                                       | 23255                | m1x10/1x15 *                                                 |           | 10 |
|                                       | 23255                | m1x10,5/1x16 *                                               |           | 10 |
|                                       | 23255                | m1x11/2x12 *                                                 |           | 10 |
|                                       | 23255                | m2x5/1x8,6/1x12,2 *                                          |           | 10 |
|                                       | 23255                | m2x5/2x9 *                                                   |           | 10 |
|                                       | 23255                | m2x5,8/1x11 *                                                |           | 10 |
|                                       | 23255                | m2x6/2x10 *                                                  |           | 10 |
|                                       | 23255                | m2x8,5/1x13,5 *                                              |           | 10 |
|                                       | 23255                | m2x11 *                                                      |           | 10 |
|                                       | 23255                | m2x12 *                                                      |           | 10 |
|                                       | 23255                | m2x13 *                                                      |           | 10 |
|                                       | 23255                | m2x13,9 *                                                    |           | 10 |
|                                       | 23255                | m3x7 *                                                       |           | 10 |
|                                       | 23255                | m3x9                                                         |           | 10 |
|                                       | 23255                | m3x9 *                                                       |           | 10 |
|                                       | 23255                | m3x11 *                                                      |           | 10 |
|                                       | 23255                | m4x5,5/1x8 *                                                 |           | 10 |
|                                       | 23255                | m4x6,5 *                                                     |           | 10 |
|                                       | 23255                | m4x8 *                                                       |           | 10 |
|                                       | 23255                | m4x9 *                                                       |           | 10 |
|                                       | 23255                | m4x10 *                                                      |           | 10 |
|                                       | 23255                | m4x11 *                                                      |           | 10 |
|                                       | 23255                | m4x9S *                                                      |           | 10 |
|                                       | 23255                | m5x8 *                                                       |           | 10 |
|                                       | 23255                | m5x9 *                                                       |           | 10 |
|                                       | 23255                | m5x9,5 *                                                     |           | 10 |
|                                       | 23255                | m5x10 *                                                      |           | 10 |
|                                       | 23255                | m6x6 *                                                       |           | 10 |
|                                       | 23255                | m6x7,5 *                                                     |           | 10 |
|                                       | 23255                | m6x8 *                                                       |           | 10 |
|                                       | 23255                | m7x7 *                                                       |           | 10 |
|                                       | 23255                | m8x5,5 *                                                     |           | 10 |
|                                       | 23255                | m10x6 *                                                      |           | 10 |
|                                       | 23255                | m11x5,2 *                                                    |           | 10 |
|                                       | 23255                | m12x2,8/2x5/2x8 *                                            |           | 10 |
|                                       | 23255                | m12x5,3 *                                                    |           | 10 |
|                                       | 23255                | m24x3 *                                                      |           | 10 |

\* Dichteinsatz kurz = Art.-Nr.: Ek...

\* Sealing insert short = art. no.: Ek...

| Anschlussgewinde<br>Connection thread | Art.-Nr.<br>Art. no. | Ausführung bitte ergänzen<br>Please complete product details |           |    |
|---------------------------------------|----------------------|--------------------------------------------------------------|-----------|----|
|                                       |                      | Messing/Brass                                                | = d       |    |
| A                                     | VA 1.4305/AISI 303   | = st                                                         |           |    |
|                                       | PC                   | = PC                                                         | = TPE     |    |
|                                       | PVDF                 | = y                                                          | p = TPE-V |    |
|                                       |                      |                                                              |           |    |
| M40x1,5                               | 24055                | m1x4/1x6/1x8/2x10                                            |           | 10 |
|                                       | 24055                | m1x4/2x6/4x8                                                 |           | 10 |
|                                       | 24055                | m1x4/2x7/2x9                                                 |           | 10 |
|                                       | 24055                | m1x4/7x7                                                     |           | 10 |
|                                       | 24055                | m1x4,5/4x8                                                   |           | 10 |
|                                       | 24055                | m1x5/2x9/1x13                                                |           | 10 |
|                                       | 24055                | m1x5/4x9                                                     |           | 10 |
|                                       | 24055                | m1x5,5/1x9                                                   |           | 10 |
|                                       | 24055                | m1x5,8/2x11                                                  |           | 10 |
|                                       | 24055                | m1x6/1x10                                                    |           | 10 |
|                                       | 24055                | m1x6/1x7/1x8/1x11                                            |           | 10 |
|                                       | 24055                | m1x6/1x8,5/1x10,5                                            |           | 10 |
|                                       | 24055                | m1x6/2x6,5/2x8                                               |           | 10 |
|                                       | 24055                | m1x6/2x8/2x11                                                |           | 10 |
|                                       | 24055                | m1x6/2x9                                                     |           | 10 |
|                                       | 24055                | m1x6,5/1x17                                                  |           | 10 |
|                                       | 24055                | m1x6,5/2x7,5                                                 |           | 10 |
|                                       | 24055                | m1x25,5                                                      |           | 10 |
|                                       | 24055                | m1x6SB/3x6/3x8/1x9,2                                         |           | 10 |
|                                       | 24055                | m1x7/1x14                                                    |           | 10 |
|                                       | 24055                | m1x7/1x8,5/1x17                                              |           | 10 |
|                                       | 24055                | m1x7/1x9,5/1x12                                              |           | 10 |
|                                       | 24055                | m1x7/1x9/1x11                                                |           | 10 |
|                                       | 24055                | m1x7/2x8,5                                                   |           | 10 |
|                                       | 24055                | m1x7/2x8/2x10                                                |           | 10 |
|                                       | 24055                | m1x7/3x9                                                     |           | 10 |
|                                       | 24055                | m1x8/2x11                                                    |           | 10 |
|                                       | 24055                | m1x8/2x12                                                    |           | 10 |
|                                       | 24055                | m1x8/2x8,5/1x12                                              |           | 10 |
|                                       | 24055                | m1x8/2x8,5/1x15                                              |           | 10 |
|                                       | 24055                | m1x9/1x10/1x11                                               |           | 10 |
|                                       | 24055                | m1x9/1x15                                                    |           | 10 |
|                                       | 24055                | m1x9,5/1x11,5/1x13,5                                         |           | 10 |
|                                       | 24055                | m1x9,5/2x13,5                                                |           | 10 |
|                                       | 24055                | m1x10/1x11,5/1x13                                            |           | 10 |
|                                       | 24055                | m1x10/1x12/1x13,5                                            |           | 10 |
|                                       | 24055                | m1x10/1x13                                                   |           | 10 |
|                                       | 24055                | m1x10,5/1x16                                                 |           | 10 |
|                                       | 24055                | m1x10,7/1x13,8                                               |           | 10 |
|                                       | 24055                | m1x12/1x13                                                   |           | 10 |
|                                       | 24055                | m2x4/2x5/2x7/2x8                                             |           | 10 |
|                                       | 24055                | m2x4,8/2x6,3                                                 |           | 10 |
|                                       | 24055                | m2x4,8/5x6,3                                                 |           | 10 |
|                                       | 24055                | m2x5/1x8,6/1x12,2                                            |           | 10 |

204003 | TT01940

# UNI Mehrfach-Kabelverschraubung

UNI Multiple cable gland

Fortsetzung von vorheriger Seite  
Continued from previous page

| Anschlussge-<br>winde |                    | Art.-Nr.                                                     |           |
|-----------------------|--------------------|--------------------------------------------------------------|-----------|
| Connection thread     |                    | Art. no.                                                     |           |
|                       |                    | Ausführung bitte ergänzen<br>Please complete product details |           |
|                       | Messing/Brass      | = d                                                          |           |
|                       | VA 1.4305/AISI 303 | = st                                                         |           |
| A                     | PC                 | = PC                                                         | = TPE     |
|                       | PVDF               | = y                                                          | p = TPE-V |
| M40x1,5               | 24055              | m2x5,8/1x11                                                  | 10        |
|                       | 24055              | m2x6/1x10,5/1x12                                             | 10        |
|                       | 24055              | m2x6/1x7,5/2x8,5                                             | 10        |
|                       | 24055              | m2x6/1x8,5                                                   | 10        |
|                       | 24055              | m2x6/1x8/2x10                                                | 10        |
|                       | 24055              | m2x6/2x6S/1x7/1x7S/1x10                                      | 10        |
|                       | 24055              | m2x6,5                                                       | 10        |
|                       | 24055              | m2x6,5/1x10,5                                                | 10        |
|                       | 24055              | m2x7/1x9                                                     | 10        |
|                       | 24055              | m2x8,5/1x13,5                                                | 10        |
|                       | 24055              | m2x8,5/2x11,5                                                | 10        |
|                       | 24055              | m2x9                                                         | 10        |
|                       | 24055              | m2x9/1x13                                                    | 10        |
|                       | 24055              | m2x9/1x15                                                    | 10        |
|                       | 24055              | m2x10                                                        | 10        |
|                       | 24055              | m2x11                                                        | 10        |
|                       | 24055              | m2x13                                                        | 10        |
|                       | 24055              | m3x3/7x4/1x8                                                 | 10        |
|                       | 24055              | m3x3/8x5                                                     | 10        |
|                       | 24055              | m3x3/8x5/1x8                                                 | 10        |
|                       | 24055              | m3x7                                                         | 10        |
|                       | 24055              | m3x7/3x8                                                     | 10        |
|                       | 24055              | m3x9                                                         | 10        |
|                       | 24055              | m3x9/1x11,5                                                  | 10        |
|                       | 24055              | m3x10                                                        | 10        |
|                       | 24055              | m3x11                                                        | 10        |
|                       | 24055              | m3x12                                                        | 10        |
|                       | 24055              | m4x3,5/2x7/1x11                                              | 10        |
|                       | 24055              | m4x5                                                         | 10        |
|                       | 24055              | m4x5,5                                                       | 10        |
|                       | 24055              | m4x5,5/1x8                                                   | 10        |
|                       | 24055              | m4x5,7/2x10                                                  | 10        |
|                       | 24055              | m4x6/3x8,5                                                   | 10        |
|                       | 24055              | m4x6,5                                                       | 10        |
|                       | 24055              | m4x6,5/4x6,5SB                                               | 10        |
|                       | 24055              | m4x8                                                         | 10        |
|                       | 24055              | m4x9                                                         | 10        |
|                       | 24055              | m4x10                                                        | 10        |
|                       | 24055              | m4x11                                                        | 10        |
|                       | 24055              | m5x3,5/2x5/1x6/2x6,5                                         | 10        |
|                       | 24055              | m5x8                                                         | 10        |
|                       | 24055              | m5x9                                                         | 10        |
|                       | 24055              | m5x10                                                        | 10        |
|                       | 24055              | m6x4/3x6/1x8                                                 | 10        |
|                       | 24055              | m6x6                                                         | 10        |
|                       | 24055              | m6x8                                                         | 10        |
|                       | 24055              | m7x4,8                                                       | 10        |

| Anschlussge-<br>winde |                    | Art.-Nr.                                                     |           |
|-----------------------|--------------------|--------------------------------------------------------------|-----------|
| Connection thread     |                    | Art. no.                                                     |           |
|                       |                    | Ausführung bitte ergänzen<br>Please complete product details |           |
| A                     | Messing/Brass      | = d                                                          |           |
|                       | VA 1.4305/AISI 303 | = st                                                         |           |
|                       | PC                 | = PC                                                         | = TPE     |
|                       | PVDF               | = y                                                          | p = TPE-V |
| M40x1,5               | 24055              | m7x5,5/2x6,5                                                 | 10        |
|                       | 24055              | m7x6/1x11                                                    | 10        |
|                       | 24055              | m7x7                                                         | 10        |
|                       | 24055              | m7x8                                                         | 10        |
|                       | 24055              | m8x5,5                                                       | 10        |
|                       | 24055              | m8x7                                                         | 10        |
|                       | 24055              | m10x6                                                        | 10        |
|                       | 24055              | m11x6                                                        | 10        |
|                       | 24055              | m12x2,8                                                      | 10        |
|                       | 24055              | m12x4/1x8                                                    | 10        |
|                       | 24055              | m12x5,3                                                      | 10        |
|                       | 24055              | m13x3,5/1x9,5                                                | 10        |
|                       | 24055              | m16x3,5                                                      | 10        |
|                       | 24055              | m17x3,5                                                      | 10        |
|                       | 24055              | m20x3,5                                                      | 10        |
|                       | 24055              | m24x3                                                        | 10        |
|                       | 24056              | m1x4/1x5/2x13 *                                              | 10        |
|                       | 24056              | m1x4/2x6/4x9 *                                               | 10        |
|                       | 24056              | m1x4/5x10 *                                                  | 10        |
|                       | 24056              | m1x8,5/1x23                                                  | 10        |
|                       | 24056              | m1x13/1x19 *                                                 | 10        |
|                       | 24056              | m1x14/1x17 *                                                 | 10        |
|                       | 24056              | m1x15/1x17                                                   | 10        |
|                       | 24056              | m2x14 *                                                      | 10        |
|                       | 24056              | m2x15 *                                                      | 10        |
|                       | 24056              | m3x7/4x10 *                                                  | 10        |
|                       | 24056              | m3x13                                                        | 10        |
|                       | 24056              | m3x14,5 *                                                    | 10        |
|                       | 24056              | m4x7 *                                                       | 10        |
|                       | 24056              | m4x10,2 *                                                    | 10        |
|                       | 24056              | m4x13 *                                                      | 10        |
|                       | 24056              | m7x9 *                                                       | 10        |
|                       | 24056              | m8x6/4x8 *                                                   | 10        |
|                       | 24056              | m8x8 *                                                       | 10        |
|                       | 24056              | m8x9 *                                                       | 10        |
|                       | 24056              | m12x6,4 *                                                    | 10        |
| M50x1,5               | 25056              | m1x3,7/4x4,8/1x5,4/1x6,5/1x10                                | 5         |
|                       | 25056              | m1x5/1x9/1x11/1x19                                           | 5         |
|                       | 25056              | m1x5/2x6,5/1x8,5/1x11                                        | 5         |
|                       | 25056              | m1x5/3x8/1x8,5/1x9,5                                         | 5         |
|                       | 25056              | m1x8/2x16                                                    | 5         |
|                       | 25056              | m1x8/4x12,5                                                  | 5         |
|                       | 25056              | m1x9,5/2x13,5                                                | 5         |
|                       | 25056              | m1x10/3x11,5                                                 | 5         |
|                       | 25056              | m1x11/1x21                                                   | 5         |
|                       | 25056              | m1x11/2x13                                                   | 5         |

\* Dichteinsatz kurz = Art.-Nr.: Ek...

\* Sealing insert short = art. no.: Ek...

## UNI Mehrfach-Kabelverschraubung

UNI Multiple cable gland

Fortsetzung von vorheriger Seite  
Continued from previous page

| Anschlussgewinde Art.-Nr.  |                    | Ausführung bitte ergänzen<br>Please complete product details |           |  |
|----------------------------|--------------------|--------------------------------------------------------------|-----------|--|
| Connection thread Art. no. |                    |                                                              |           |  |
| A                          | Messing/Brass      | = d                                                          |           |  |
|                            | VA 1.4305/AISI 303 | = st                                                         |           |  |
|                            | PC                 | = PC                                                         | = TPE     |  |
|                            | PVDF               | = y                                                          | p = TPE-V |  |
| M50x1,5                    | 25056              | m1x12,5/1x16,5                                               | 5         |  |
|                            | 25056              | m1x13/1x19                                                   | 5         |  |
|                            | 25056              | m1x13/2x16,5                                                 | 5         |  |
|                            | 25056              | m1x14/1x17                                                   | 5         |  |
|                            | 25056              | m1x20,5                                                      | 5         |  |
|                            | 25056              | m1x23                                                        | 5         |  |
|                            | 25056              | m1x26                                                        | 5         |  |
|                            | 25056              | m1x28                                                        | 5         |  |
|                            | 25056              | m1x5SB/4x7/1x14                                              | 5         |  |
|                            | 25056              | m2x8/3x10                                                    | 5         |  |
|                            | 25056              | m2x9                                                         | 5         |  |
|                            | 25056              | m2x15                                                        | 5         |  |
|                            | 25056              | m3x10                                                        | 5         |  |
|                            | 25056              | m3x14,5                                                      | 5         |  |
|                            | 25056              | m4x7                                                         | 5         |  |
|                            | 25056              | m4x9                                                         | 5         |  |
|                            | 25056              | m4x10,2                                                      | 5         |  |
|                            | 25056              | m4x11,5                                                      | 5         |  |
|                            | 25056              | m4x12                                                        | 5         |  |
|                            | 25056              | m4x13                                                        | 5         |  |
|                            | 25056              | m5x11,5                                                      | 5         |  |
|                            | 25056              | m6x10                                                        | 5         |  |
|                            | 25056              | m7x9                                                         | 5         |  |
|                            | 25056              | m8x7                                                         | 5         |  |
|                            | 25056              | m8x8                                                         | 5         |  |
|                            | 25056              | m8x9                                                         | 5         |  |
|                            | 25056              | m9x7                                                         | 5         |  |
|                            | 25056              | m11x8                                                        | 5         |  |
|                            | 25056              | m13x7                                                        | 5         |  |
|                            | 25056              | m15x5                                                        | 5         |  |
|                            | 25056              | m16x6                                                        | 5         |  |

| Anschlussgewinde Art.-Nr.  |                    | Ausführung bitte ergänzen<br>Please complete product details |           |   |
|----------------------------|--------------------|--------------------------------------------------------------|-----------|---|
| Connection thread Art. no. |                    |                                                              |           |   |
| A                          | Messing/Brass      | = d                                                          |           |   |
|                            | VA 1.4305/AISI 303 | = st                                                         |           |   |
|                            | PC                 | = PC                                                         | = TPE     |   |
|                            | PVDF               | = y                                                          | p = TPE-V |   |
| M50x1,5                    | 25057              | m1x3/1x5,2/3x6,7/β                                           | ** **     | 5 |
|                            | 25057              | m1x7,5/3x11/1x13                                             | ** **     | 5 |
|                            | 25057              | m1x13,5/3x15,6                                               | ** **     | 5 |
|                            | 25057              | m2x17                                                        | ** **     | 5 |
|                            | 25057              | m3x6,7/1x11/1x14,5                                           | ** **     | 5 |
|                            | 25057              | m5x11                                                        | ** **     | 5 |
| M63x1,5                    | 26358              | m1x5,5/1x9/2x15,5                                            | **        | 5 |
|                            | 26358              | m1x5,5/4x15,5                                                | **        | 5 |
|                            | 26358              | m1x9/1x11/3x15,5                                             | **        | 5 |
|                            | 26358              | m1x11/1x32                                                   | **        | 5 |
|                            | 26358              | m1x13/3x17                                                   | **        | 5 |
|                            | 26358              | m1x30                                                        | **        | 5 |
|                            | 26358              | m1x35                                                        | **        | 5 |
|                            | 26358              | m2x4,5/2x21                                                  | **        | 5 |
|                            | 26358              | m2x11/2x17                                                   | **        | 5 |
|                            | 26358              | m2x15                                                        | **        | 5 |
|                            | 26358              | m2x16                                                        | **        | 5 |
|                            | 26358              | m3x12,5                                                      | **        | 5 |
|                            | 26358              | m3x13,5                                                      | **        | 5 |
|                            | 26358              | m3x14,5                                                      | **        | 5 |
|                            | 26358              | m3x18                                                        | **        | 5 |
|                            | 26358              | m4x12                                                        | **        | 5 |
|                            | 26358              | m4x16                                                        | **        | 5 |
|                            | 26358              | m5x13                                                        | **        | 5 |
|                            | 26358              | m6x5,1/1x10/1x10,5/2x13                                      | **        | 5 |
|                            | 26358              | m8x10                                                        | **        | 5 |
|                            | 26358              | m8x12                                                        | **        | 5 |
|                            | 26358              | m13x3,5/9x5,2                                                | **        | 5 |
|                            | 26358              | m18x7                                                        | **        | 5 |
|                            | 26358              | m23x3,3/4x5,1                                                | **        | 5 |

\* Dichteinsatz kurz = Art.-Nr.: Ek... \*\* Variante PC nicht lieferbar. Variante y aus Werkstoff POM (Farbe weiß), Temperaturbereich: -40 °C bis +110 °C. Es besteht keine CSA-Zulassung.  
\* Sealing insert short = art. no.: Ek... \*\* Variant PC not available. Variant y made of POM (white colour), temperature range: -40 °C up to +110 °C, no CSA approval

|                                                                                                                                                             |                          |            |                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------|---------------------------|
| i                                                                                                                                                           | <b>Farbvarianten für</b> | <b>PC:</b> | <b>PCn = schwarz</b>      |
|                                                                                                                                                             | Colour variants for      | PVDF:      | ya = blau<br>yn = schwarz |
| i                                                                                                                                                           |                          | PC:        | PCn = black               |
|                                                                                                                                                             |                          | PVDF:      | ya = blue<br>yn = black   |
| <b>Ausführung Polycarbonat/PVDF: Schutzart IP 68 (und Type 4X für PC) ausschließlich in Verbindung mit separat erhältlicher Flachdichtung auf Seite 468</b> |                          |            |                           |
| Version polycarbonate/PVDF: type of protection IP 68 (and Type 4X for PC) only in combination with separately available flat seal ring on page 468          |                          |            |                           |

# UNI Silikon Mehrfach-Kabelverschraubung

UNI Silicone Multiple cable gland

CE RoHS



Abb. 1  
Fig. 1

Abb. 2  
Fig. 2

**Messing vernickelt, Edelstahl 1.4305, Polycarbonat, PVDF**  
**Metrisches Anschlussgewinde gemäß EN 60423**  
**Schutzart IP 65**  
**Schutzart IP 68 bis 10 bar, wenn Kabel- $\phi$  = Loch- $\phi$**   
**Zugentlastung bis Klasse A, EN 62444**

Brass, nickel-plated, stainless steel AISI 303, polycarbonate, PVDF  
 Metric connection thread EN 60423  
 Type of protection IP 65  
 Type of protection IP 68 up to 10 bar, achievable if cable  $\phi$  = hole  $\phi$   
 Strain relief up to class A, EN 62444

|          |                          |              |                      |
|----------|--------------------------|--------------|----------------------|
| <b>i</b> | <b>Farbvarianten für</b> | <b>PC:</b>   | <b>PCn = schwarz</b> |
|          |                          | <b>PVDF:</b> | <b>ya = blau</b>     |
|          |                          |              | <b>yn = schwarz</b>  |
|          | Colour variants for      | PC:          | PCn = black          |
|          |                          | PVDF:        | ya = blue            |
|          |                          |              | yn = black           |

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | d                                       | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | -55 °C / +200 °C                                             |
| VA 1.4305<br>AISI 303                                 | Blank                              | st                                      | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | -55 °C / +200 °C                                             |
| PC                                                    | Grau<br>Grey                       | PC                                      | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | -20 °C / +100 °C                                             |
| PVDF                                                  | Transparent                        | y                                       | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | -40 °C / +150 °C                                             |

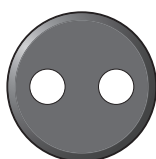


Abb. 3 – Beispiel „2 x 3“  
 2 = Anzahl Bohrungen  
 3 = Bohrungsdurchmesser in mm  
 Fig. 3 – Example „2 x 3“  
 2 = number of bores  
 3 = bore hole diameter in mm

| Anschlussgewinde<br>Connection thread | Art.-Nr.<br>Art. no. | Ausführung bitte ergänzen<br>Please complete product details |    |
|---------------------------------------|----------------------|--------------------------------------------------------------|----|
|                                       |                      |                                                              |    |
| <b>A</b>                              | Messing/Brass        | = d                                                          |    |
|                                       | VA 1.4305/AISI 303   | = st                                                         |    |
|                                       | PC                   | = PC                                                         |    |
|                                       | PVDF                 | = y                                                          |    |
| M16x1,5                               | 21650                | im2x4HT                                                      | 50 |
| M20x1,5                               | 22052                | im2x5HT                                                      | 50 |
|                                       | 22052                | im4x3HT                                                      | 50 |
|                                       | 22052                | im4x4HT                                                      | 50 |
|                                       | 22052                | im5x2HT                                                      | 50 |
| M25x1,5                               | 22553                | im4x5HT                                                      | 50 |
|                                       | 22553                | im4x6HT                                                      | 50 |
| M32x1,5                               | 23254                | im3x7HT                                                      | 25 |
|                                       | 23254                | im3x9HT                                                      | 25 |
|                                       | 23254                | im4x4HT                                                      | 25 |
|                                       | 23254                | im4x6HT                                                      | 25 |
|                                       | 23254                | im4x8HT                                                      | 25 |
| M40x1,5                               | 24055                | im2x13HT                                                     | 10 |
|                                       | 24055                | im3x11HT                                                     | 10 |
|                                       | 24055                | im5x10HT                                                     | 10 |
|                                       | 24055                | im5x9HT                                                      | 10 |
|                                       | 24055                | im7x7HT                                                      | 10 |

52100 | IT01920

**UNI Dicht Einsatz geschlossen**  
UNI Dicht insert closed



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt, Edelstahl 1.4305, Polycarbonat, PVDF**  
**Metrisches Anschlussgewinde EN 60423**  
**Mit O-Ring HNBR/Silikon**  
**Schutzart IP 68 bis 10 bar**

*Brass, nickel-plated, stainless steel AISI 303, polycarbonate, PVDF*  
*Metric connection thread EN 60423*  
*With o-ring HNBR/silicone*  
*Type of protection IP 68 up to 10 bar*

**i** **Maximaler Kabeldurchlass der Druckschraube (F) und maximaler Kabeldurchlass des Doppelnippels (E) siehe Technischer Anhang**  
*For maximum cable passage of the pressure screw (F) and maximum cable passage of the double nipple (E), see technical appendix.*

| Werkstoff Verschraubungskörper | Ausführung/Farbe | Bestellschlüssel    | Werkstoff Dichteinsatz  | Farbe   | Bestellschlüssel    | Temperaturbereich min./max.   |
|--------------------------------|------------------|---------------------|-------------------------|---------|---------------------|-------------------------------|
| Material gland body            | Version/colour   | Art. no. supplement | Material sealing insert | Colour  | Art. no. supplement | Temperature range (min./max.) |
| Messing                        | Vernickelt       | d                   | TPE                     | Weiß    |                     | -40 °C / +130 °C              |
| Brass                          | Nickel-plated    |                     |                         | White   |                     |                               |
| Messing                        | Vernickelt       | d                   | TPE-V                   | Natur   | p                   | -40 °C / +135 °C              |
| Brass                          | Nickel-plated    |                     |                         | Natural |                     |                               |
| VA 1.4305                      | Blank            | st                  | TPE                     | Weiß    |                     | -40 °C / +130 °C              |
| AISI 303                       |                  |                     |                         | White   |                     |                               |
| VA 1.4305                      | Blank            | st                  | TPE-V                   | Natur   | p                   | -40 °C / +135 °C              |
| AISI 303                       |                  |                     |                         | Natural |                     |                               |
| PC                             | Grau             | PC                  | TPE                     | Weiß    |                     | -20 °C / +100 °C              |
| Grey                           |                  |                     |                         | White   |                     |                               |
| PC                             | Grau             | PC                  | TPE-V                   | Natur   | p                   | -20 °C / +100 °C              |
| Grey                           |                  |                     |                         | Natural |                     |                               |
| PVDF                           | Transparent      | y                   | TPE                     | Weiß    |                     | -40 °C / +130 °C              |
|                                |                  |                     |                         | White   |                     |                               |
| PVDF                           | Transparent      | y                   | TPE-V                   | Natur   | p                   | -40 °C / +135 °C              |
|                                |                  |                     |                         | Natural |                     |                               |

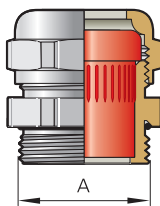


Abb. 3  
Fig. 3

| Anschlussgewinde                                             | Art.-Nr.           |           |           |
|--------------------------------------------------------------|--------------------|-----------|-----------|
| Connection thread                                            | Art. no.           |           |           |
| Ausführung bitte ergänzen<br>Please complete product details |                    |           |           |
|                                                              | Messing/Brass      | = d       |           |
|                                                              | VA 1.4305/AISI 303 | = st      |           |
|                                                              | PC                 | = PC      | = TPE     |
|                                                              | PVDF               | = y       | p = TPE-V |
| <b>A</b>                                                     |                    |           |           |
| M10x1,0                                                      | 21049              | g * **    | 50        |
| M10x1,5                                                      | 21049              | g         | 50        |
| M12x1,5                                                      | 21249              | g **      | 50        |
| M16x1,5                                                      | 21650              | g         | 50        |
| M20x1,5                                                      | 22051              | g         | 50        |
|                                                              | 22052              | g ***     | 50        |
| M25x1,5                                                      | 22553              | g         | 50        |
|                                                              | 22554              | g         | 25        |
| M32x1,5                                                      | 23254              | g         | 25        |
|                                                              | 23254              | g/21      | 25        |
| M40x1,5                                                      | 24055              | g         | 10        |
|                                                              | 24056              | g **      | 10        |
| M50x1,5                                                      | 25056              | g         | 5         |
|                                                              | 25057              | g ** **** | 5         |
| M63x1,5                                                      | 26358              | g ****    | 5         |

\* Variante in y und PC nicht erhältlich \*\* Dichteinsatz kurz = Art.-Nr.: Ek... \*\*\* Bei Variante y und PC Dichteinsatz kurz = Art.-Nr.: Ek... \*\*\*\* Variante y und PC aus Werkstoff POM (Farbe weiß); Temperaturbereich: -40 °C bis +110 °C.

\* Variant in y and PC not available \*\* Sealing insert short = art. no.: Ek... \*\*\* Variant y and PC sealing insert short = art. no.: Ek... \*\*\*\* Variant y and PC made of POM (white colour), temperature range: -40 °C up to +110 °C

**i** **Die Anleitung zur Herstellung einer Kabelverschraubung mit eigenem Lochbild aus einem geschlossenen Dichteinsatz finden Sie im Technischen Anhang.**  
*The instructions for making a cable gland with its own hole pattern from a closed sealing insert can be found in the technical appendix.*

**i** **Ausführung Polycarbonat/PVDF: Schutzart IP 68 ausschließlich in Verbindung mit separat erhältlicher Flachdichtung auf Seite 468**  
*Version polycarbonate/PVDF: type of protection IP 68 only in combination with separately available flat seal ring on page 468*

**i** **Farbvarianten für**  
*Colour variants for*

|       |               |
|-------|---------------|
| PC:   | PCn = schwarz |
| PVDF: | ya = blau     |
|       | yn = schwarz  |
| PC:   | PCn = black   |
| PVDF: | ya = blue     |
|       | yn = black    |

# UNI Stecker-Kabelverschraubung mit geteiltem Dichteinsatz

UNI Connector cable gland with split sealing insert

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt, Edelstahl: 1.4305, Polycarbonat, PVDF**  
**Metrisches Anschlussgewinde EN 60423**  
**Schutzart IP 68 bis 10 bar**

Brass, nickel-plated, stainless steel: AISI 303, polycarbonate, PVDF  
Metric connection thread EN 60423  
Type of protection IP 68 up to 10 bar



**Farbvarianten für**

Colour variants for

**PC:**

**PVDF:**

PC:

PVDF:

**PCn = schwarz**

**ya = blau**

**yn = schwarz**

PCn = black

ya = blue

yn = black

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | d                                       | TPE-V                                             | Natur<br>Natural | -40 °C / +135 °C                                             |
| VA 1.4305<br>AISI 303                                 | Blank                              | st                                      | TPE-V                                             | Natur<br>Natural | -40 °C / +135 °C                                             |
| PC                                                    | Grau<br>Grey                       | PC                                      | TPE-V                                             | Natur<br>Natural | -20 °C / +100 °C                                             |
| PVDF                                                  | Transparent                        | y                                       | TPE-V                                             | Natur<br>Natural | -40 °C / +135 °C                                             |

| Anschlussgewinde<br>Connection thread | Art.-Nr.<br>Art. no. | Ausführung bitte ergänzen<br>Please complete product details |    |
|---------------------------------------|----------------------|--------------------------------------------------------------|----|
| <b>A</b>                              | Messing/Brass        | = d                                                          |    |
|                                       | VA 1.4305/AISI 303   | = st                                                         |    |
|                                       | PC                   | = PC                                                         |    |
|                                       | PVDF                 | = y                                                          |    |
|                                       |                      |                                                              |    |
| M40x1,5                               | 24055                | pmK                                                          | 10 |
|                                       | 24055                | pmK 1/ 5                                                     | 10 |
|                                       | 24055                | pmK 1/ 6                                                     | 10 |
|                                       | 24055                | pmK 1/ 7                                                     | 10 |
|                                       | 24055                | pmK 1/ 8                                                     | 10 |
|                                       | 24055                | pmK 1/10                                                     | 10 |
|                                       | 24055                | pmK 1/12                                                     | 10 |
|                                       | 24055                | pmK 1/13,5                                                   | 10 |
|                                       | 24055                | pmK 1/17                                                     | 10 |
|                                       | 24055                | pmK 1/21                                                     | 10 |
|                                       | 24055                | pmK 1/6-1/ 8,5                                               | 10 |
|                                       | 24055                | pmK 2/6                                                      | 10 |
|                                       | 24055                | pmK 2/8                                                      | 10 |
|                                       | 24055                | pmK 2/10                                                     | 10 |
|                                       | 24056                | pmK *                                                        | 10 |
| M50x1,5                               | 25056                | pmK                                                          | 5  |
|                                       | 25056                | pmK 1/ 4,5                                                   | 5  |
|                                       | 25056                | pmK 1/ 8                                                     | 5  |
|                                       | 25056                | pmK 1/10                                                     | 5  |
|                                       | 25056                | pmK 1/11                                                     | 5  |
|                                       | 25056                | pmK 1/12                                                     | 5  |
|                                       | 25056                | pmK 1/21                                                     | 5  |
|                                       | 25056                | pmK 1/23                                                     | 5  |
|                                       | 25056                | pmK 1/4,5-1/ 9-1/9,5                                         | 5  |
|                                       | 25056                | pmK 1/5-1/10-1/10,5                                          | 5  |
|                                       | 25056                | pmK 1/8-1/10,5-1/12                                          | 5  |
|                                       | 25056                | pmK 2/6                                                      | 5  |
|                                       | 25056                | pmK 2/ 8                                                     | 5  |
|                                       | 25056                | pmK 2/8                                                      | 5  |
|                                       | 25056                | pmK 2/8                                                      | 5  |

\* Dichteinsatz kurz = Art.-Nr.: Ek...

\* Sealing insert short = art. no.: Ek...

## UNI Stecker-Kabelverschraubung mit geteiltem Dichteinsatz

UNI Connector cable gland with split sealing insert

Fortsetzung von vorheriger Seite  
Continued from previous page

| Anschlussgewinde<br>Connection thread | Art.-Nr.<br>Art. no. | Ausführung bitte ergänzen<br>Please complete product details |     |  |
|---------------------------------------|----------------------|--------------------------------------------------------------|-----|--|
|                                       |                      | Messing/Brass                                                | = d |  |
| <b>A</b>                              | VA 1.4305/AISI 303   | = st                                                         |     |  |
|                                       | PC                   | = PC                                                         |     |  |
|                                       | PVDF                 | = y                                                          |     |  |
|                                       |                      |                                                              |     |  |
| M50x1,5                               | 25056                | pmK 2/11,5                                                   | 5   |  |
|                                       | 25056                | pmK 2/5,5-1/11,5                                             | 5   |  |
|                                       | 25056                | pmK 3/7,2                                                    | 5   |  |
|                                       | 25056                | pmK 3/7,5                                                    | 5   |  |
|                                       | 25056                | pmK 3/7,8                                                    | 5   |  |
|                                       | 25056                | pmK 3/7,8                                                    | 5   |  |
|                                       | 25056                | pmK 3/10                                                     | 5   |  |
|                                       | 25057                | pmK * **                                                     | 5   |  |
|                                       | 25057                | pmK 1/9 * **                                                 | 5   |  |
|                                       | 25057                | pmK 1/22                                                     | 5   |  |
|                                       | 25057                | pmK 1/26 * **                                                | 5   |  |
|                                       | 25057                | pmK 1/27 * **                                                | 5   |  |
|                                       |                      |                                                              |     |  |
|                                       |                      |                                                              |     |  |

| Anschlussgewinde<br>Connection thread | Art.-Nr.<br>Art. no. | Ausführung bitte ergänzen<br>Please complete product details |     |  |
|---------------------------------------|----------------------|--------------------------------------------------------------|-----|--|
|                                       |                      | Messing/Brass                                                | = d |  |
| <b>A</b>                              | VA 1.4305/AISI 303   | = st                                                         |     |  |
|                                       | PC                   | = PC                                                         |     |  |
|                                       | PVDF                 | = y                                                          |     |  |
|                                       |                      |                                                              |     |  |
| M50x1,5                               | 25057                | pmK 1/30 **                                                  | 5   |  |
|                                       | 25057                | pmK 1/32 * **                                                | 5   |  |
|                                       | 25057                | pmK 2/9 * **                                                 | 5   |  |
|                                       |                      |                                                              |     |  |
| M63x1,5                               | 26358                | pmK **                                                       | 5   |  |
|                                       | 26358                | pmK 1/6 **                                                   | 5   |  |
|                                       | 26358                | pmK 1/6-1/8 **                                               | 5   |  |
|                                       | 26358                | pmK 1/8 **                                                   | 5   |  |
|                                       | 26358                | pmK 1/28 **                                                  | 5   |  |
|                                       | 26358                | pmK 1/29 **                                                  | 5   |  |
|                                       | 26358                | pmK 1/32 **                                                  | 5   |  |
|                                       | 26358                | pmK 2/8 **                                                   | 5   |  |
|                                       |                      |                                                              |     |  |
|                                       |                      |                                                              |     |  |

\* Dichteinsatz kurz = Art.-Nr.: Ek... \*\* Variante y und PC aus Werkstoff POM (Farbe weiß); Temperaturbereich: -40 °C bis +110 °C.

\* Sealing insert short = art. no.: Ek... \*\* Variant y and PC made of POM (white colour), temperature range: -40 °C up to +110 °C



### Das Problem:

Häufig liegen Geräte bereits installiert mit konfektionierten Bauteilen an der Anschlussleitung vor. In der Praxis lassen sich diese Leitungen nur mit geteilten Flanschplatten installieren.

### Die Lösung:

Im PFLITSCH-System UNI Stecker sind Dichteinsätze in der Verschraubungsachse geteilt.

- voll, zum Selberbohren mit geeignetem Bohrer
- mit einer Bohrung
- mit mehreren Bohrungen
- Technische Details siehe Seite 477

### The problem:

Equipment is frequently installed with assembled components on the connection line. Practically speaking, these lines can only be installed with divided flange plates.

### The solution:

In the PFLITSCH UNI Connector system, the sealing inserts are divided on the gland axis.

- Full, for self-drilling with drill
- With one borehole
- With several boreholes
- Technical details see page 477

## UNI Dicht ASI-Bus-Kabelverschraubung

UNI Dicht ASI-Bus cable gland

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt**  
**Metrisches Anschlussgewinde EN 60423**  
**Mit O-Ring HNBR**  
**Schutzart IP 68 bis 10 bar**

*Brass, nickel-plated*  
*Metric connection thread EN 60423*  
*With o-ring HNBR*  
*Type of protection IP 68 up to 10 bar*

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|---------------------------------------------------|------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE-V                                             | Natur<br>Natural | -40 °C / +135 °C                                             |

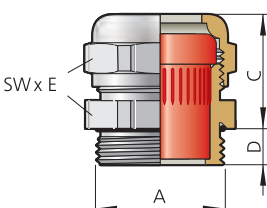


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length | Art.-Nr.<br>Art. no. | Version ASI<br>Version ASI | Bauhöhe<br>Mounting height  | Schlüsselweite<br>Spanner width |
|-----------------------------------------------------|----------------------|----------------------------|-----------------------------|---------------------------------|
| A                                                   | D                    |                            | C                           | SW x E                          |
|                                                     | mm                   |                            | mm                          | mm                              |
| M20x1,5                                             | 6,5                  | 22052dpm2xASI L            | 2x links/2x left            | 21,0                            |
|                                                     |                      | 22052dpm2xASI R            | 2x rechts/2x right          | 21,0                            |
|                                                     |                      | 22052dpf4,2ASI10L          | links/left                  | 21,0                            |
|                                                     |                      | 22052dpfm2xASIL/R          | links & rechts/left & right | 21,0                            |
|                                                     |                      | 22052dpf4,2ASI10R          | rechts/right                | 21,0                            |
|                                                     |                      |                            |                             | 22x24,4                         |
|                                                     |                      |                            |                             | 50                              |

22500 | TT02500

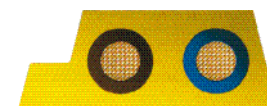


Abb. 4 – ASI-Kabelquerschnitt links = lange Bezugs-  
kante  
Fig. 4 – ASI cable cross section left = long reference  
edge

## UNI Dicht ASI-Bus-Kabelverschraubung

UNI Dicht ASI-Bus cable gland

CE RoHS



Abb. 1  
Fig. 1

**Edelstahl: 1.4305**  
**Metrisches Anschlussgewinde EN 60423**  
**Mit O-Ring Silikon**  
**Schutzart IP 68 bis 10 bar**

*Stainless steel: AISI 303*  
*Metric connection thread EN 60423*  
*With o-ring silicone*  
*Type of protection IP 68 up to 10 bar*

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|---------------------------------------------------|------------------|--------------------------------------------------------------|
| VA 1.4305<br>AISI 303                                 | Blank                              | TPE-V                                             | Natur<br>Natural | -40 °C / +135 °C                                             |

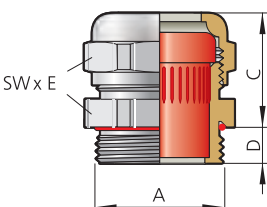


Abb. 2  
Fig. 2

| Anschlussgewinde/-länge<br>Connection thread/length | Art.-Nr.<br>Art. no. | Version ASI<br>Version ASI | Bauhöhe<br>Mounting height  | Schlüsselweite<br>Spanner width |
|-----------------------------------------------------|----------------------|----------------------------|-----------------------------|---------------------------------|
| A                                                   | D                    |                            | C                           | SW x E                          |
|                                                     | mm                   |                            | mm                          | mm                              |
| M20x1,5                                             | 6,5                  | 22052stpm2xASI L           | 2x links/2x left            | 21,0                            |
|                                                     |                      | 22052stpm2xASI R           | 2x rechts/2x right          | 21,0                            |
|                                                     |                      | 22052stpf4,2ASI10L         | links/left                  | 21,0                            |
|                                                     |                      | 22052stpfm2xASIL/R         | links & rechts/left & right | 21,0                            |
|                                                     |                      | 22052stpf4,2ASI10R         | rechts/right                | 21,0                            |
|                                                     |                      |                            |                             | 22x24,4                         |
|                                                     |                      |                            |                             | 50                              |

22600 | TT02500

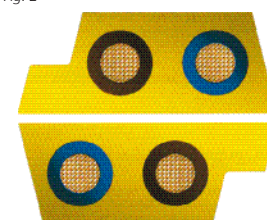


Abb. 3 – ASI-Kabelquerschnitt 2-fach links = lange  
Bezugs-kante  
Fig. 3 – ASI cable cross section dual left = long  
reference edge

## UNI Dicht ASI-Bus-Kabelverschraubung

UNI Dicht ASI-Bus cable gland

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Polycarbonat, Farbe: grau (RAL 7035), schwarz (RAL 9005)**  
**Metrisches Anschlussgewinde EN 60423**  
**Schutzart IP 68 bis 10 bar**

Polycarbonate, colour: grey (RAL 7035), black (RAL 9005)  
Metric connection thread EN 60423  
Type of protection IP 68 up to 10 bar

**i Schutzart IP 68 ausschließlich in Verbindung mit separat erhältlicher Flachdichtung auf Seite 468**  
Type of protection IP 68 only in combination with separately available flat sealing ring on page 468

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|--------------------------------------------------------------|
| PC                                                    | Grau<br>Grey                       |                                         | TPE-V                                             | Natur<br>Natural | -20 °C / +100 °C                                             |
| PC                                                    | Schwarz<br>Black                   | n                                       | TPE-V                                             | Natur<br>Natural | -20 °C / +100 °C                                             |

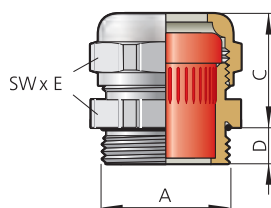


Abb. 3  
Fig. 3



Abb. 4 – ASI-Kabelquerschnitt rechts = lange Bezugskante  
Fig. 4 – ASI cable cross section right = long reference edge

| Anschlussgewinde/-länge<br>Connection thread/length          | Art.-Nr.<br>Art. no. | Version ASI<br>Version Asi                      | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width |
|--------------------------------------------------------------|----------------------|-------------------------------------------------|----------------------------|---------------------------------|
| Ausführung bitte ergänzen<br>Please complete product details |                      |                                                 |                            |                                 |
| <b>A</b>                                                     | <b>D</b><br>mm       | Grau/Grey =<br>Schwarz/Black = n                | <b>C</b><br>mm             | <b>SW x E</b><br>mm             |
| M20x1,5                                                      | 9,0                  | 22052PC pm2xASI L 2x links/2x left              | 23,0                       | 24x26,5 50                      |
|                                                              |                      | 22052PC pm2xASI R 2x rechts/2x right            | 23,0                       | 24x26,5 50                      |
|                                                              |                      | 22052PC pf4,2ASI10L links/left                  | 23,0                       | 24x26,5 50                      |
|                                                              |                      | 22052PC pfm2xASIL/R links & rechts/left & right | 23,0                       | 24x26,5 50                      |
|                                                              |                      | 22052PC pf4,2ASI10R rechts/right                | 23,0                       | 24x26,5 50                      |

22700 | TT02600

## UNI Dicht ASI-Bus-Kabelverschraubung

UNI Dicht ASI-Bus cable gland

CE RoHS



Abb. 1  
Fig. 1

**PVDF, Farbe: transparent, blau (RAL 5015), schwarz (RAL 9005)**  
**Metrisches Anschlussgewinde EN 60423**  
**Schutzart IP 68 bis 10 bar**

PVDF, colour: transparent, blue (RAL 5015), black (RAL 9005)  
Metric connection thread EN 60423  
Type of protection IP 68 up to 10 bar

**i Schutzart IP 68 ausschließlich in Verbindung mit separat erhältlicher Flachdichtung auf Seite 468**  
Type of protection IP 68 only in combination with separately available flat sealing ring on page 468

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|--------------------------------------------------------------|
| PVDF                                                  | Transparent                        |                                         | TPE-V                                             | Natur<br>Natural | -40 °C / +135 °C                                             |
| PVDF                                                  | Blau<br>Blue                       | a                                       | TPE-V                                             | Natur<br>Natural | -40 °C / +135 °C                                             |
| PVDF                                                  | Schwarz<br>Black                   | n                                       | TPE-V                                             | Natur<br>Natural | -40 °C / +135 °C                                             |

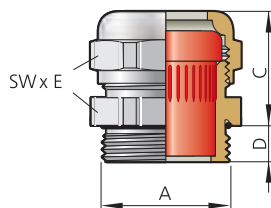


Abb. 2  
Fig. 2

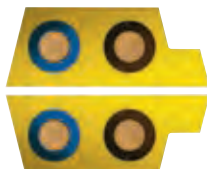


Abb. 3 – ASI-Kabelquerschnitt links & rechts = lange Bezugskante  
Fig. 3 – ASI cable cross section left & right = long reference edge

| Anschlussgewinde/-länge<br>Connection thread/length          | Art.-Nr.<br>Art. no. | Version ASI<br>Version Asi                          | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width |
|--------------------------------------------------------------|----------------------|-----------------------------------------------------|----------------------------|---------------------------------|
| Ausführung bitte ergänzen<br>Please complete product details |                      |                                                     |                            |                                 |
| <b>A</b>                                                     | <b>D</b><br>mm       | Transparent =<br>Blau/Blue = a<br>Schwarz/Black = n | <b>C</b><br>mm             | <b>SW x E</b><br>mm             |
| M20x1,5                                                      | 9,0                  | 22052y pm2xASI L 2x links/2x left                   | 25,0                       | 24x26,5 50                      |
|                                                              |                      | 22052y pm2xASI R 2x rechts/2x right                 | 25,0                       | 24x26,5 50                      |
|                                                              |                      | 22052y pf4,2ASI10L links/left                       | 25,0                       | 24x26,5 50                      |
|                                                              |                      | 22052y pfm2xASIL/R links & rechts/left & right      | 25,0                       | 24x26,5 50                      |
|                                                              |                      | 22052y pf4,2ASI10R rechts/right                     | 25,0                       | 24x26,5 50                      |

22800 | TT02600

# UNI Flach-Kabelverschraubung – Gerundet

UNI Flat cable gland – Rounded

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt, Edelstahl 1.4305, Polycarbonat, PVDF**  
**Schutzart IP 65**  
**Form gerundet**

Brass, nickel-plated, stainless steel AISI 303, polycarbonate, PVDF  
Type of protection IP 65  
Rounded shape



**Farbvarianten für**

Colour variants for

**PC:**

**PVDF:**

PC:

PVDF:

**PCn = schwarz**

**ya = blau**

**yn = schwarz**

PCn = black

ya = blue

yn = black

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | d                                       | TPE                                               | Weiß<br>White    |                                         | -40 °C / +130 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | d                                       | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| VA 1.4305<br>AISI 303                                 | Blank                              | st                                      | TPE                                               | Weiß<br>White    |                                         | -40 °C / +130 °C                                             |
| VA 1.4305<br>AISI 303                                 | Blank                              | st                                      | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| PC                                                    | Grau<br>Grey                       | PC                                      | TPE                                               | Weiß<br>White    |                                         | -20 °C / +100 °C                                             |
| PC                                                    | Grau<br>Grey                       | PC                                      | TPE-V                                             | Natur<br>Natural | p                                       | -20 °C / +100 °C                                             |
| PVDF                                                  | Transparent                        | y                                       | TPE                                               | Weiß<br>White    |                                         | -40 °C / +130 °C                                             |
| PVDF                                                  | Transparent                        | y                                       | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |

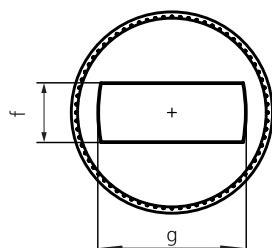


Abb. 3  
Fig. 3

| Anschlussgewinde<br>Connection thread |                    | Art.-Nr.<br>Art. no.                                         |           |
|---------------------------------------|--------------------|--------------------------------------------------------------|-----------|
|                                       |                    | Ausführung bitte ergänzen<br>Please complete product details |           |
| A                                     | Messing/Brass      | = d                                                          |           |
|                                       | VA 1.4305/AISI 303 | = st                                                         |           |
|                                       | PC                 | = PC                                                         | = TPE     |
|                                       | PVDF               | = y                                                          | p = TPE-V |
|                                       |                    |                                                              |           |
| M16x1,5                               | 21650              | f 3,5g 5,5                                                   | 50        |
| M20x1,5                               | 22051              | f 2,8g10,5                                                   | 50        |
|                                       | 22051              | f 3,5g 6                                                     | 50        |
|                                       | 22051              | f 3,5g 9                                                     | 50        |
|                                       | 22051              | f 4 g 6                                                      | 50        |
|                                       | 22052              | f 3 g12 *                                                    | 50        |
|                                       | 22052              | f 4,5g10 *                                                   | 50        |
|                                       | 22052              | f 5 g11 *                                                    | 50        |
|                                       | 22052              | f 5 g12 *                                                    | 50        |
|                                       | 22052              | f 6,5g11 *                                                   | 50        |
| M25x1,5                               | 22553              | f 5 g16                                                      | 50        |
|                                       | 22553              | f 5 g10                                                      | 50        |
|                                       | 22553              | f 5 g12                                                      | 50        |
|                                       | 22553              | f 5,5g14                                                     | 50        |
|                                       | 22553              | f 6 g13                                                      | 50        |
|                                       | 22553              | f 7,5g14                                                     | 50        |
| M32x1,5                               | 23254              | f 5 g17                                                      | 25        |
|                                       | 23254              | f 7 g18                                                      | 25        |

\* Bei Variante y und PC Dichteinsatz kurz = Art.-Nr.: Ek...

\* Variant y and PC sealing insert short = art. no.: Ek...

## UNI Flach-Kabelverschraubung – Gerundet

UNI Flat cable gland – Rounded

Fortsetzung von vorheriger Seite  
Continued from previous page

| Anschlussgewinde<br>Connection thread | Art.-Nr.<br>Art. no. | Ausführung bitte ergänzen<br>Please complete product details |           |                                                                                   |
|---------------------------------------|----------------------|--------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------|
|                                       |                      | Messing/Brass                                                | = d       |                                                                                   |
| <b>A</b>                              | VA 1.4305/AISI 303   | = st                                                         |           |                                                                                   |
|                                       | PC                   | = PC                                                         | = TPE     |                                                                                   |
|                                       | PVDF                 | = y                                                          | p = TPE-V |  |
|                                       |                      |                                                              |           |                                                                                   |
| M40x1,5                               | 24055                | f 6 g29                                                      |           | 10                                                                                |
|                                       | 24055                | f 8 g25                                                      |           | 10                                                                                |
|                                       | 24055                | f10 g25                                                      |           | 10                                                                                |
|                                       | 24055                | f10 g29                                                      |           | 10                                                                                |
|                                       | 24055                | f13 g28                                                      |           | 10                                                                                |
| M50x1,5                               | 25056                | f 6 g30                                                      |           | 5                                                                                 |
|                                       | 25056                | f 6 g36                                                      |           | 5                                                                                 |
|                                       | 25057                | f 6 g38 * **                                                 |           | 5                                                                                 |
|                                       | 25056                | f 8 g36                                                      |           | 5                                                                                 |
|                                       | 25056                | f11 g34                                                      |           | 5                                                                                 |

| Anschlussgewinde<br>Connection thread | Art.-Nr.<br>Art. no. | Ausführung bitte ergänzen<br>Please complete product details |           |                                                                                     |
|---------------------------------------|----------------------|--------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|
|                                       |                      | Messing/Brass                                                | = d       |                                                                                     |
| <b>A</b>                              | VA 1.4305/AISI 303   | = st                                                         |           |                                                                                     |
|                                       | PC                   | = PC                                                         | = TPE     |                                                                                     |
|                                       | PVDF                 | = y                                                          | p = TPE-V |  |
|                                       |                      |                                                              |           |                                                                                     |
| M50x1,5                               | 25056                | f12 g35                                                      |           | 5                                                                                   |
|                                       | 25057                | f10 g38 * **                                                 |           | 5                                                                                   |
|                                       | 25057                | f14,5g37 * **                                                |           | 5                                                                                   |
| M63x1,5                               | 26358                | f 6,5g47 **                                                  |           | 5                                                                                   |
|                                       | 26358                | f 9 g43 **                                                   |           | 5                                                                                   |
|                                       | 26358                | f14,5g39 **                                                  |           | 5                                                                                   |
| M75x1,5                               | 275212               | f15 g45                                                      |           | 5                                                                                   |
|                                       | 275212               | f15 g45 ***                                                  |           | 1                                                                                   |
|                                       | 275212               | f18 g54 ***                                                  |           | 1                                                                                   |

\* Dichteinsatz kurz = Art.-Nr.: Ek... \*\* Variante PC nicht lieferbar. Variante y aus Werkstoff POM (Farbe weiß), Temperaturbereich: -40 °C bis +110 °C \*\*\* Variante in y und PC nicht erhältlich  
\* Sealing insert short = art. no.: Ek... \*\* Variant PC not available. Variant y made of POM (white colour), temperature range: -40 °C up to +110 °C \*\*\* Variant in y and PC not available

23300 | TT01900

# UNI Flach-Kabelverschraubung – Oval

UNI Flat cable gland – Oval

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt, Edelstahl 1.4305, Polycarbonat, PVDF**  
**Schutzart IP 65**  
**Form oval**

*Brass, nickel-plated, stainless steel AISI 303, polycarbonate, PVDF*  
*Type of protection IP 65*  
*Oval shape*



**Farbvarianten für**

*Colour variants for*

**PC:**

**PVDF:**

*PC:*

*PVDF:*

**PCn = schwarz**

**ya = blau**

**yn = schwarz**

*PCn = black*

*ya = blue*

*yn = black*

| Werkstoff Verschraubungskörper<br><i>Material gland body</i> | Ausführung/Farbe<br><i>Version/colour</i> | Bestellschlüssel<br><i>Art. no. supplement</i> | Werkstoff Dichteinsatz<br><i>Material sealing insert</i> | Farbe<br><i>Colour</i>  | Bestellschlüssel<br><i>Art. no. supplement</i> | Temperaturbereich min./max.<br><i>Temperature range (min./max.)</i> |
|--------------------------------------------------------------|-------------------------------------------|------------------------------------------------|----------------------------------------------------------|-------------------------|------------------------------------------------|---------------------------------------------------------------------|
| PC                                                           | Grau<br><i>Grey</i>                       | PC                                             | TPE                                                      | Weiß<br><i>White</i>    |                                                | -20 °C / +100 °C                                                    |
| PC                                                           | Grau<br><i>Grey</i>                       | PC                                             | TPE-V                                                    | Natur<br><i>Natural</i> | p                                              | -20 °C / +100 °C                                                    |
| Messing<br><i>Brass</i>                                      | Vernickelt<br><i>Nickel-plated</i>        | d                                              | TPE                                                      | Weiß<br><i>White</i>    |                                                | -40 °C / +130 °C                                                    |
| Messing<br><i>Brass</i>                                      | Vernickelt<br><i>Nickel-plated</i>        | d                                              | TPE-V                                                    | Natur<br><i>Natural</i> | p                                              | -40 °C / +135 °C                                                    |
| VA 1.4305<br><i>AISI 303</i>                                 | Blank                                     | st                                             | TPE                                                      | Weiß<br><i>White</i>    |                                                | -40 °C / +130 °C                                                    |
| VA 1.4305<br><i>AISI 303</i>                                 | Blank                                     | st                                             | TPE-V                                                    | Natur<br><i>Natural</i> | p                                              | -40 °C / +135 °C                                                    |
| PVDF                                                         | Transparent                               | y                                              | TPE                                                      | Weiß<br><i>White</i>    |                                                | -40 °C / +130 °C                                                    |
| PVDF                                                         | Transparent                               | y                                              | TPE-V                                                    | Natur<br><i>Natural</i> | p                                              | -40 °C / +135 °C                                                    |

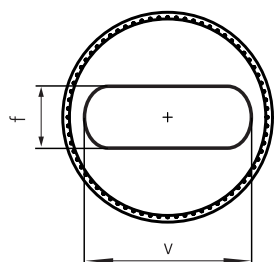


Abb. 3  
Fig. 3

| Anschlussgewinde<br><i>Connection thread</i> | Art.-Nr.<br><i>Art. no.</i> |                  | Ausführung bitte ergänzen<br><i>Please complete product details</i> |               |
|----------------------------------------------|-----------------------------|------------------|---------------------------------------------------------------------|---------------|
|                                              |                             |                  | PC                                                                  | Messing/Brass |
| <b>A</b>                                     |                             |                  | = PC                                                                | = d           |
|                                              |                             |                  | = VA 1.4305/AISI 303                                                | = st          |
|                                              |                             |                  | = PVDF                                                              | = y           |
|                                              |                             |                  | p = TPE-V                                                           |               |
| M10x1,0                                      | 21049                       | f 1,2v 4/1mm *   | 50                                                                  |               |
|                                              | 21049                       | f 2 v 4/1mm *    | 50                                                                  |               |
| M10x1,5                                      | 21049                       | f 1,2v 4/1,5mm * | 50                                                                  |               |
|                                              | 21049                       | f 2 v 4/1,5mm *  | 50                                                                  |               |
| M12x1,5                                      | 21249                       | f 1,2v 4 **      | 50                                                                  |               |
|                                              | 21249                       | f 2 v 4 **       | 50                                                                  |               |
| M20x1,5                                      | 22051                       | f 4,5v 7         | 50                                                                  |               |
|                                              | 22052                       | f 2,5v10 ***     | 50                                                                  |               |
|                                              | 22052                       | f 5 v 8 ***      | 50                                                                  |               |
|                                              | 22052                       | f 5 v12 ***      | 50                                                                  |               |
|                                              | 22052                       | f 6 v 10 ***     | 50                                                                  |               |
|                                              | 22052                       | f 6 v 9,1 ***    | 50                                                                  |               |
|                                              | 22052                       | f 8 v10,5 ***    | 50                                                                  |               |
| M25x1,5                                      | 22553                       | f 5 v10          | 50                                                                  |               |
|                                              | 22553                       | f 5 v12          | 50                                                                  |               |
|                                              | 22553                       | f 5 v15          | 50                                                                  |               |
|                                              | 22553                       | f 5,5v 8,5       | 50                                                                  |               |
|                                              | 22553                       | f 6 v12,5        | 50                                                                  |               |
|                                              | 22553                       | f 6 v14          | 50                                                                  |               |
|                                              | 22553                       | f 6 v15          | 50                                                                  |               |
|                                              | 22553                       | f 6,5v16,5       | 50                                                                  |               |
|                                              | 22553                       | f 7 v14          | 50                                                                  |               |
|                                              | 22553                       | f 8 v10,5        | 50                                                                  |               |

\* Variante in y und PC nicht erhältlich \*\* Dichteinsatz kurz = Art.-Nr.: Ek... \*\*\* Bei Variante y und PC Dichteinsatz kurz = Art.-Nr.: Ek...  
\* Variant in y and PC not available \*\* Sealing insert short = art. no.: Ek... \*\*\* Variant y and PC sealing insert short = art. no.: Ek...

## UNI Flach-Kabelverschraubung – Oval

UNI Flat cable gland – Oval

Fortsetzung von vorheriger Seite  
Continued from previous page

| Anschlussgewinde<br>Connection thread | Art.-Nr.<br>Art. no. | Ausführung bitte ergänzen<br>Please complete product details |           |           |
|---------------------------------------|----------------------|--------------------------------------------------------------|-----------|-----------|
|                                       |                      | Messing/Brass                                                | = d       |           |
| <b>A</b>                              |                      | VA 1.4305/AISI 303                                           | = st      |           |
|                                       |                      | PC                                                           | = PC      | = TPE     |
|                                       |                      | PVDF                                                         | = y       | p = TPE-V |
| M25x1,5                               | 22553                |                                                              | f 8 v14   | 50        |
|                                       | 22553                |                                                              | f 9 v15   | 50        |
| M32x1,5                               | 23254                |                                                              | f 5 v16   | 25        |
|                                       | 23254                |                                                              | f 7 v16,5 | 25        |
|                                       | 23254                |                                                              | f 7 v18   | 25        |
|                                       | 23254                |                                                              | f 7 v20   | 25        |
| M40x1,5                               | 24055                |                                                              | f10 v27   | 10        |
|                                       | 24055                |                                                              | f 4 v23   | 10        |
|                                       | 24055                |                                                              | f 8 v25   | 10        |

| Anschlussgewinde<br>Connection thread | Art.-Nr.<br>Art. no. | Ausführung bitte ergänzen<br>Please complete product details |                |           |
|---------------------------------------|----------------------|--------------------------------------------------------------|----------------|-----------|
|                                       |                      | Messing/Brass                                                | = d            |           |
| <b>A</b>                              |                      | VA 1.4305/AISI 303                                           | = st           |           |
|                                       |                      | PC                                                           | = PC           | = TPE     |
|                                       |                      | PVDF                                                         | = y            | p = TPE-V |
| M40x1,5                               | 24056                |                                                              | f11 v35        | 10        |
| M50x1,5                               | 25056                |                                                              | f11 v35        | 5         |
|                                       | 25056                |                                                              | f13 v30,5      | 5         |
|                                       | 25056                |                                                              | f 5,5v31       | 5         |
|                                       | 25056                |                                                              | f 6,5v32       | 5         |
|                                       | 25057                |                                                              | f 6 v41 * **   | 5         |
|                                       | 25057                |                                                              | f 9 v38 * **   | 5         |
| M63x1,5                               | 26358                |                                                              | f 9 v43 **     | 5         |
| M75x1,5                               | 275212               |                                                              | f 9 v55 ** *** | 1         |

\* Dichteinsatz kurz = Art.-Nr.: Ek... \*\* Variante PC nicht lieferbar. Variante y aus Werkstoff POM (Farbe weiß), Temperaturbereich: -40 °C bis +110 °C \*\*\* Nur in Messing lieferbar.  
\* Sealing insert short = art. no.: Ek... \*\* Variant PC not available. Variant y made of POM (white colour), temperature range: -40 °C up to +110 °C \*\*\* Only available in brass.

23400 | TT01900

# UNI Flach-Kabelverschraubung – Eckig

UNI Flat cable gland – Angular

CE RoHS



Abb. 1  
Fig. 1

**Messing vernickelt, Edelstahl 1.4305, Polycarbonat, PVDF**

**Schutzart IP 43**

**Form eckig**

Brass, nickel-plated, stainless steel AISI 303, polycarbonate, PVDF

Type of protection IP 43

Angular shape



**Farbvarianten für**

Colour variants for

**PC:**

**PVDF:**

PC:

PVDF:

**PCn = schwarz**

**ya = blau**

**yn = schwarz**

PCn = black

ya = blue

yn = black

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | d                                       | TPE                                               | Weiß<br>White    |                                         | -40 °C / +130 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | d                                       | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| VA 1.4305<br>AISI 303                                 | Blank                              | st                                      | TPE                                               | Weiß<br>White    |                                         | -40 °C / +130 °C                                             |
| VA 1.4305<br>AISI 303                                 | Blank                              | st                                      | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| PC                                                    | Grau<br>Grey                       | PC                                      | TPE                                               | Weiß<br>White    |                                         | -20 °C / +100 °C                                             |
| PC                                                    | Grau<br>Grey                       | PC                                      | TPE-V                                             | Natur<br>Natural | p                                       | -20 °C / +100 °C                                             |
| PVDF                                                  | Transparent                        | y                                       | TPE                                               | Weiß<br>White    |                                         | -40 °C / +130 °C                                             |
| PVDF                                                  | Transparent                        | y                                       | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |

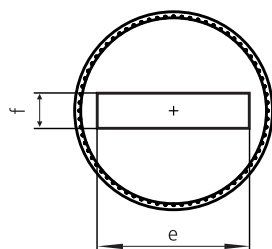


Abb. 2  
Fig. 2

| Anschlussgewinde<br>Connection thread                        | Art.-Nr.<br>Art. no. |                |
|--------------------------------------------------------------|----------------------|----------------|
| Ausführung bitte ergänzen<br>Please complete product details |                      |                |
| <b>A</b>                                                     | Messing/Brass        | = d            |
|                                                              | VA 1.4305/AISI 303   | = st           |
|                                                              | PC                   | = PC           |
|                                                              | PVDF                 | = y            |
|                                                              |                      | = TPE          |
|                                                              |                      | = TPE-V        |
| M25x1,5                                                      | 22553                | f 8 e12 50     |
| M32x1,5                                                      | 23254                | f 4 e15 25     |
| M40x1,5                                                      | 24055                | f 6 e26 10     |
| M50x1,5                                                      | 25057                | f 6 e39 * ** 5 |

23410 | ITD1900

\* Dichteinsatz kurz = Art.-Nr.: Ek... \*\* Variante PC nicht lieferbar. Variante y aus Werkstoff POM (Farbe weiß), Temperaturbereich: -40 °C bis +110 °C

\* Sealing insert short = art. no.: Ek... \*\* Variant PC not available. Variant y made of POM (white colour), temperature range: -40 °C up to +110 °C

## **Zugentlastung und Biegeschutz – metrisch**

*Strain relief  
and bending protection – metric*



1



2



3

Abb. 1 – UNI Biegeschutz Dicht-Kabelverschraubung  
Fig. 1 – UNI Dicht Bending protection cable gland

Abb. 2 – UNI Zug Dicht-Kabelverschraubung  
Fig. 2 – UNI Dicht Strain relief cable gland

Abb. 3 – UNI Flex Dicht  
Fig. 3 – UNI Flex Dicht

### Erhöhte Zugentlastung inklusive

PFLITSCH-Kabelverschraubungen verfügen bereits serienmäßig über Zugentlastungswerte, die der Norm EN 62444, Klasse A, entsprechen. Noch mehr Sicherheit durch erhöhte Zugentlastung bringen die Baureihen UNI Zug, UNI Klemm und UNI Biege Zug aus dem UNI Dicht-Baukasten. Ebenso sind hier Lösungen für einen umfassenden Biegeschutz zu finden.

### UNI Zug mit integrierten Spannbacken

Bei der UNI Zug bestehen die Dichteinsätze aus TPE und TPE-V mit integrierten Klemmkörpern aus PA, die wie ein Spannfutter wirken und Zugkräfte bis über 200 N am Kabel vibrationsfest abfangen.

### UNI Klemm mit Bügelschellen

Mit zwei Bügelschellen an der Druckschraube lassen sich bei der UNI Klemm Kabel sicher fixieren. Dabei werden Zugkräfte bis über 500 N abgefangen. UNI Klemm entspricht damit der in der Norm EN 62444 geforderten „Ausführung B“.

### UNI Biegeschutz Dicht-Kabelverschraubungen

Diese Kabelverschraubungen verhindern durch eine lange, konische Biegeschutztülle aus TPE-V, dass die Kabel an der Biegestelle beschädigt werden. Die Tülle liegt fest am Kabel an und hält äußere Einflüsse, wie z. B. UV-Strahlung und aggressive Medien, von dem unter Biegestress stehenden Kabelabschnitt fern. Zur einfacheren Montage kann die Tülle aufgeweitet werden, um das Kabel leichter durchschieben zu können.

### UNI Biege Zug – die perfekte Kombination

Eine interessante Variante ist die UNI Biege Zug-Kabelverschraubung. Ihr Dichteinsatz ist mit Spannbacken für eine vibrationsfeste Zugentlastung ausgestattet und verfügt über eine angespritzte große Tülle, die das Kabel sicher vor dem Abknicken schützt, beispielsweise bei Industrie-Steckverbindern.

### UNI Flex für noch mehr Biegeschutz

Mit einer speziell gewendelten Edelstahlfeder mit progressiver Kennlinie optimiert die UNI Flex die Verteilung der Biegebeanspruchungen des Kabels. Auf etwa 10 cm Länge fängt diese Kabelverschraubung selbst hohe dynamische Biegebelastungen am Kabeleintritt sicher ab.

### Increased strain relief included

PFLITSCH cable glands are produced as standard with strain relief values that correspond to the EN 62444 class A standard. The models UNI Strain relief, UNI Clamping and UNI Bending Strain relief from the UNI Dicht modular range provide even more safety with increased strain relief.

### UNI Strain relief with integrated clamping jaws

With UNI Strain relief, the sealing inserts made of TPE and TPE-V are fitted with integrated clamping bodies made of PA which act like clamping jaws. Tractive forces on the cable are intercepted up to 200 N with vibration resistance.

### UNI Clamping with clips

With two clips on the pressure screw, cables can be securely fixated using UNI Clamping. Tractive forces of up to over 500 N can be absorbed here. UNI Clamping is thus consistent with "Execution B" in the EN 62444 standard.

### UNI Bending protection cable glands

These cable glands prevent – through a long, conical bending protection socket made of TPE-V – cables from being damaged at the bending point. The socket fits rigidly to the cable and keeps external influences, such as UV radiation and aggressive media, away from the section of cable which is under bending strain. The socket can be widened for simpler mounting so the cable can be pushed through more easily.

### UNI Bending Strain relief – the perfect combination

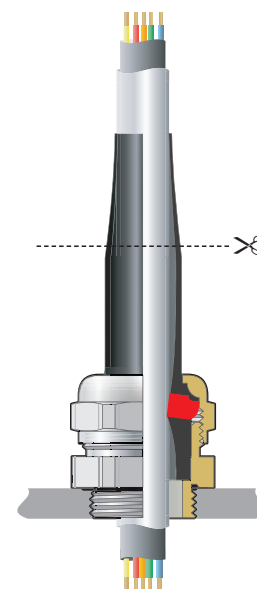
An interesting variant is the UNI Bending Strain relief cable gland. Its sealing insert is fitted with clamping jaws and is equipped with an extruded large nozzle, reliably protecting the cable against kinking, for example, in industrial plug connectors.

### UNI Flex for even more bending protection

UNI Flex optimises distribution of the cable's bending loads with a specially coiled stainless steel spring with progressive characteristic. This cable gland will safely absorb even high dynamic bending loads at the cable entry over a length of approx. 10 cm.



1



2

✂ Durch Kürzen des Konus wird die Tülle an den jeweiligen Kabelquerschnitt angepasst.

✂ Shortening the cone enables the socket to be adapted to the particular cable cross section concerned.

Abb. 1 – UNI Klemm Dicht-Kabelverschraubung  
Fig. 1 – UNI Clamping Dicht cable gland

Abb. 2 – Schema UNI Biege Zug  
Fig. 2 – Section of the UNI Bending Strain relief

# UNI Zug Dicht-Kabelverschraubung

UNI Dicht Strain relief cable gland

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt**  
**Metrisches Anschlussgewinde EN 60423**  
**Mit O-Ring HNBR**  
**Schutzart IP 54**

Brass, nickel-plated  
Metric connection thread EN 60423  
With o-ring HNBR  
Type of protection IP 54



**Auf Anfrage erhältlich: Anschlussgewinde 15 mm und Ausführung in Edelstahl**

Available on request: connection thread 15 mm and stainless steel version

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE                                               | s. FC<br>s. CC   |                                         | -20 °C / +100 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE-V                                             | Natur<br>Natural | p                                       | -20 °C / +100 °C                                             |

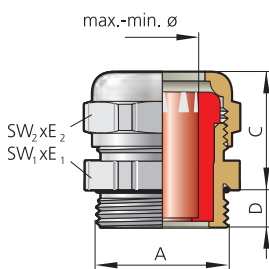


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |                   | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width                                          |    |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|-------------------|----------------------------|--------------------------------------------------------------------------|----|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |                   |                            |                                                                          |    |
| A                                                   | D<br>mm | TPE<br>TPE-V                                                 | =<br>= p                      | max./min. ø<br>mm | C<br>mm                    | SW <sub>1</sub> x E <sub>1</sub> /SW <sub>2</sub> x E <sub>2</sub><br>mm |    |
| M10x1,0                                             | 5,0     | 21049d                                                       | z 7/1mm                       | 6,5– 4,0          | 19,0                       | 14x15,5                                                                  | 50 |
| M10x1,5                                             | 5,0     | 21049d                                                       | z 7/1,5mm                     | 6,5– 4,0          | 19,0                       | 14x15,5                                                                  | 50 |
| M12x1,5                                             | 5,0     | 21249d                                                       | z 7                           | 6,5– 4,0          | 20,0                       | 14x15,5                                                                  | 50 |
|                                                     |         | 21250d                                                       | z 9 *                         | 9,0– 5,5          | 21,0                       | 17x18,9                                                                  | 50 |
| M16x1,5                                             | 6,0     | 21650d                                                       | z 7                           | 6,5– 4,0          | 20,0                       | 18x20/17x18,9                                                            | 50 |
|                                                     |         | 21650d                                                       | z 9                           | 9,0– 5,5          | 20,0                       | 18x20/17x18,9                                                            | 50 |
|                                                     |         | 21651d                                                       | z 11 *                        | 10,0– 6,0         | 21,0                       | 20x22,2                                                                  | 50 |
|                                                     |         | 21652d                                                       | z 13 *                        | 12,0– 8,0         | 21,0                       | 22x24,4                                                                  | 50 |
| M20x1,5                                             | 6,5     | 22052d                                                       | z 9                           | 9,0– 5,5          | 21,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 22052d                                                       | z 11                          | 10,0– 6,0         | 21,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 22052d                                                       | z 13                          | 12,0– 8,0         | 21,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 22053d                                                       | z 16 *                        | 15,0– 12,0        | 21,0                       | 24x26,7                                                                  | 50 |
|                                                     |         | 22054d                                                       | z 18 *                        | 17,0– 14,0        | 24,0                       | 30x33,5                                                                  | 25 |
|                                                     |         | 22054d                                                       | z 20 *                        | 20,0– 16,0        | 24,0                       | 30x33,5                                                                  | 25 |
| M25x1,5                                             | 7,5     | 22553d                                                       | z 11                          | 10,0– 6,0         | 21,0                       | 28x31,2/24x26,7                                                          | 50 |
|                                                     |         | 22553d                                                       | z 13                          | 12,0– 8,0         | 21,0                       | 28x31,2/24x26,7                                                          | 50 |
|                                                     |         | 22553d                                                       | z 16                          | 15,0– 12,0        | 21,0                       | 28x31,2/24x26,7                                                          | 50 |
|                                                     |         | 22554d                                                       | z 18 *                        | 17,0– 14,0        | 25,0                       | 30x33,5                                                                  | 25 |
|                                                     |         | 22554d                                                       | z 20 *                        | 20,0– 16,0        | 25,0                       | 30x33,5                                                                  | 25 |
|                                                     |         | 22555d                                                       | z 25 *                        | 24,0– 20,0        | 25,0                       | 40x43,5                                                                  | 10 |
|                                                     |         | 22555d                                                       | z 28 *                        | 27,0– 23,0        | 25,0                       | 40x43,5                                                                  | 10 |
| M32x1,5                                             | 8,0     | 23254d                                                       | z 13                          | 12,0– 8,0         | 26,0                       | 35x38,5/30x33,5                                                          | 25 |
|                                                     |         | 23254d                                                       | z 16                          | 15,0– 12,0        | 26,0                       | 35x38,5/30x33,5                                                          | 25 |
|                                                     |         | 23254d                                                       | z 18                          | 17,0– 14,0        | 26,0                       | 35x38,5/30x33,5                                                          | 25 |
|                                                     |         | 23254d                                                       | z 20                          | 20,0– 16,0        | 26,0                       | 35x38,5/30x33,5                                                          | 25 |
|                                                     |         | 23255d                                                       | z 25 *                        | 24,0– 20,0        | 29,0                       | 40x43,5                                                                  | 25 |
|                                                     |         | 23255d                                                       | z 28 *                        | 27,0– 23,0        | 29,0                       | 40x43,5                                                                  | 10 |
| M40x1,5                                             | 8,0     | 24055d                                                       | z 20                          | 20,0– 16,0        | 29,0                       | 43x47,3/40x43,5                                                          | 10 |
|                                                     |         | 24055d                                                       | z 25                          | 24,0– 20,0        | 29,0                       | 43x47,3/40x43,5                                                          | 10 |
|                                                     |         | 24055d                                                       | z 28                          | 27,0– 23,0        | 29,0                       | 43x47,3/40x43,5                                                          | 10 |
| M40x1,5                                             | 9,0     | 24056d                                                       | z 32 *                        | 31,5– 27,0        | 28,0                       | 50x54                                                                    | 10 |
|                                                     |         | 24056d                                                       | z 36 *                        | 36,0– 32,0        | 28,0                       | 50x54                                                                    | 10 |
| M50x1,5                                             | 10,0    | 25056d                                                       | z 32                          | 31,5– 27,0        | 30,0                       | 54x58/50x54                                                              | 5  |
|                                                     |         | 25056d                                                       | z 36                          | 36,0– 32,0        | 30,0                       | 54x58/50x54                                                              | 5  |
|                                                     |         | 25057d                                                       | z 40 *                        | 40,0– 34,0        | 30,0                       | 57x61                                                                    | 5  |
| M63x1,5                                             | 10,0    | 26358d                                                       | z 44                          | 43,0– 39,0        | 30,0                       | 68x74/64x69                                                              | 5  |

\* Dichteinsatz kurz = Art.-Nr.: Ek...

\* Sealing insert short = art. no.: Ek...



**Passende Gegenmuttern ab Seite 442**

Corresponding locknuts see from page 442

# UNI Zug Dicht-Kabelverschraubung

UNI Dicht Strain relief cable gland

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

Polycarbonat, Farbe: grau (RAL 7035), schwarz (RAL 9005)

Metrisches Anschlussgewinde EN 60423

Schutzart IP 54

Polycarbonate, colour: grey (RAL 7035), black (RAL 9005)

Metric connection thread EN 60423

Type of protection IP 54

**i** Type 4X ausschließlich in Verbindung mit Flachdichtung auf Seite 468  
Type 4X only in combination with flat sealing ring on page 468

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| PC                                                    | Grau<br>Grey                       |                                         | TPE                                               | s. FC<br>s. CC   |                                         | -20 °C / +100 °C                                             |
| PC                                                    | Grau<br>Grey                       |                                         | TPE-V                                             | Natur<br>Natural | p                                       | -20 °C / +100 °C                                             |
| PC                                                    | Schwarz<br>Black                   | n                                       | TPE                                               | s. FC<br>s. CC   |                                         | -20 °C / +100 °C                                             |
| PC                                                    | Schwarz<br>Black                   | n                                       | TPE-V                                             | Natur<br>Natural | p                                       | -20 °C / +100 °C                                             |

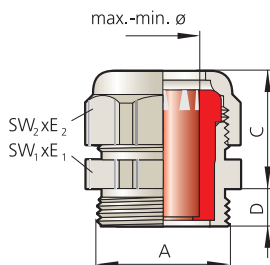


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |             | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width |                                                                          |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|-------------|----------------------------|---------------------------------|--------------------------------------------------------------------------|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |             |                            |                                 |                                                                          |
| A                                                   | D<br>mm | Grau/Grey                                                    | =                             | = TPE       | max./min. ø<br>mm          | C<br>mm                         | SW <sub>1</sub> x E <sub>1</sub> /SW <sub>2</sub> x E <sub>2</sub><br>mm |
|                                                     |         | Schwarz/Black                                                | = n                           | = TPE-V     |                            |                                 |                                                                          |
| M12x1,5                                             | 8,0     | 21249PC                                                      | z 7                           | 6,5 – 4,0   | 22,0                       | 15x16,5                         | 50                                                                       |
|                                                     |         | 21250PC                                                      | z 9 *                         | 9,0 – 5,5   |                            |                                 |                                                                          |
| M16x1,5                                             | 9,0     | 21650PC                                                      | z 7                           | 6,5 – 4,0   | 22,0                       | 19x21,2                         | 50                                                                       |
|                                                     |         | 21650PC                                                      | z 9                           | 9,0 – 5,5   |                            |                                 |                                                                          |
|                                                     |         | 21651PC                                                      | z11 *                         | 10,0 – 6,0  | 23,0                       | 22x24,5                         | 50                                                                       |
| M20x1,5                                             | 9,0     | 22052PC                                                      | z 9 *                         | 9,0 – 5,5   | 23,0                       | 24x26,5                         | 50                                                                       |
|                                                     |         | 22052PC                                                      | z11 *                         | 10,0 – 6,0  |                            |                                 |                                                                          |
|                                                     |         | 22052PC                                                      | z13 *                         | 12,0 – 8,0  | 23,0                       | 24x26,5                         | 50                                                                       |
|                                                     |         | 22053PC                                                      | z16 *                         | 15,0 – 12,0 | 24,0                       | 27x29,5                         | 50                                                                       |
| M25x1,5                                             | 9,0     | 22553PC                                                      | z11                           | 10,0 – 6,0  | 24,0                       | 30x33/27x29,5                   | 50                                                                       |
|                                                     |         | 22553PC                                                      | z13                           | 12,0 – 8,0  |                            |                                 |                                                                          |
|                                                     |         | 22553PC                                                      | z16                           | 15,0 – 12,0 |                            |                                 |                                                                          |
| M25x1,5                                             | 11,0    | 22554PC                                                      | z18 *                         | 17,0 – 14,0 | 29,0                       | 33x36,5                         | 25                                                                       |
|                                                     |         | 22554PC                                                      | z20 *                         | 20,0 – 16,0 |                            |                                 |                                                                          |
|                                                     |         | 22555PC                                                      | z25 *                         | 24,0 – 20,0 | 29,0                       | 43x46                           | 25                                                                       |
|                                                     |         | 22555PC                                                      | z28 *                         | 27,0 – 23,0 |                            |                                 |                                                                          |
| M32x1,5                                             | 11,0    | 23254PC                                                      | z13                           | 12,0 – 8,0  | 29,0                       | 36x39,5/33x36,5                 | 25                                                                       |
|                                                     |         | 23254PC                                                      | z16                           | 15,0 – 12,0 |                            |                                 |                                                                          |
|                                                     |         | 23254PC                                                      | z18                           | 17,0 – 14,0 |                            |                                 |                                                                          |
|                                                     |         | 23254PC                                                      | z20                           | 20,0 – 16,0 | 29,0                       | 36x39,5/33x36,5                 | 25                                                                       |
|                                                     |         | 23255PC                                                      | z25 *                         | 24,0 – 20,0 |                            |                                 |                                                                          |
|                                                     |         | 23255PC                                                      | z28 *                         | 27,0 – 23,0 |                            |                                 |                                                                          |
| M40x1,5                                             | 11,5    | 24055PC                                                      | z20                           | 20,0 – 16,0 | 33,0                       | 46x50/43x46,5                   | 10                                                                       |
|                                                     |         | 24055PC                                                      | z25                           | 24,0 – 20,0 |                            |                                 |                                                                          |
|                                                     |         | 24055PC                                                      | z28                           | 27,0 – 23,0 |                            |                                 |                                                                          |
| M40x1,5                                             | 13,0    | 24056PC                                                      | z32                           | 31,5 – 27,0 | 35,0                       | 53x57                           | 5                                                                        |
|                                                     |         | 24056PC                                                      | z36                           | 36,0 – 32,0 |                            |                                 |                                                                          |
| M50x1,5                                             | 14,0    | 25056PC                                                      | z32                           | 31,5 – 27,0 | 34,0                       | 56x61/53x57                     | 5                                                                        |
|                                                     |         | 25056PC                                                      | z36                           | 36,0 – 32,0 |                            |                                 |                                                                          |

\* Dichteinsatz kurz = Art.-Nr.: Ek...

\* Sealing insert short = art. no.: Ek...

**i** Passende Gegenmuttern ab Seite 442  
Corresponding locknuts see from page 442

# UNI Zug Dicht-Kabelverschraubung

UNI Dicht Strain relief cable gland

CE RoHS

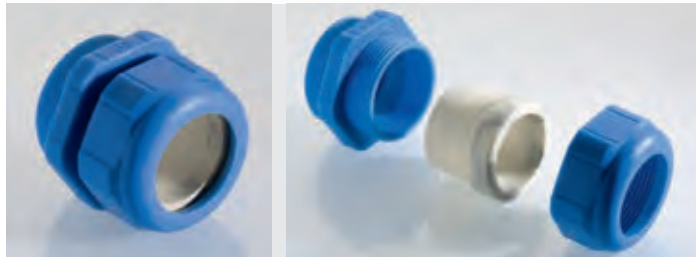


Abb. 1  
Fig. 1

Abb. 2  
Fig. 2

**PVDF, Farben: transparent, blau (RAL 5015), schwarz (RAL 9005)**  
**Metrisches Anschlussgewinde EN 60423**  
**Schutzart IP 54**

PVDF, colours: transparent, blue (RAL 5015), black (RAL 9005)  
Metric connection thread EN 60423  
Type of protection IP 54

**i Anschlussgewinde mit 15 mm Länge auf Anfrage**  
Long connection thread 15 mm on request

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| PVDF                                                  | Transparent                        |                                         | TPE                                               | s. FC<br>s. CC   |                                         | -20 °C / +100 °C                                             |
| PVDF                                                  | Transparent                        |                                         | TPE-V                                             | Natur<br>Natural | p                                       | -20 °C / +100 °C                                             |
| PVDF                                                  | Blau<br>Blue                       | a                                       | TPE                                               | s. FC<br>s. CC   |                                         | -20 °C / +100 °C                                             |
| PVDF                                                  | Blau<br>Blue                       | a                                       | TPE-V                                             | Natur<br>Natural | p                                       | -20 °C / +100 °C                                             |
| PVDF                                                  | Schwarz<br>Black                   | n                                       | TPE                                               | s. FC<br>s. CC   |                                         | -20 °C / +100 °C                                             |
| PVDF                                                  | Schwarz<br>Black                   | n                                       | TPE-V                                             | Natur<br>Natural | p                                       | -20 °C / +100 °C                                             |

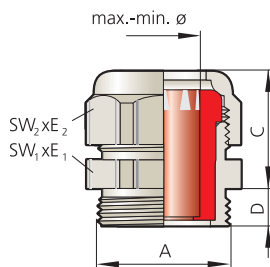


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |                   | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width                                          |    |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|-------------------|----------------------------|--------------------------------------------------------------------------|----|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |                   |                            |                                                                          |    |
|                                                     |         | Transparent =                                                | a                             | = TPE             |                            |                                                                          |    |
|                                                     |         | Blau/Blue =                                                  | a                             | = TPE             |                            |                                                                          |    |
|                                                     |         | Schwarz/Black =                                              | n                             | p = TPE-V         |                            |                                                                          |    |
| A                                                   | D<br>mm |                                                              |                               | max./min. ø<br>mm | C<br>mm                    | SW <sub>1</sub> x E <sub>1</sub> /SW <sub>2</sub> x E <sub>2</sub><br>mm |    |
| M12x1,5                                             | 8,0     | 21249y                                                       | z 7 *                         | 6,5– 4,0          | 22,0                       | 15x16,5                                                                  | 50 |
| M16x1,5                                             | 8,5     | 21651y                                                       | z11 *                         | 10,0– 6,0         | 23,0                       | 22x24,5                                                                  | 50 |
| M16x1,5                                             | 9,0     | 21650y                                                       | z 7                           | 6,5– 4,0          | 22,0                       | 19x21,2                                                                  | 50 |
|                                                     |         | 21650y                                                       | z 9                           | 9,0– 5,5          | 22,0                       | 19x21,2                                                                  | 50 |
| M20x1,5                                             | 9,0     | 22052y                                                       | z 9 *                         | 9,0– 5,5          | 25,0                       | 24x26,5                                                                  | 50 |
|                                                     |         | 22052y                                                       | z11 *                         | 10,0– 6,0         | 25,0                       | 24x26,5                                                                  | 50 |
|                                                     |         | 22052y                                                       | z13 *                         | 12,0– 8,0         | 25,0                       | 24x26,5                                                                  | 50 |
|                                                     |         | 22053y                                                       | z16 *                         | 15,0– 12,0        | 26,0                       | 27x29,5                                                                  | 25 |
| M20x1,5                                             | 11,0    | 22054y                                                       | z18 *                         | 17,0– 14,0        | 29,0                       | 33x36,5                                                                  | 50 |
|                                                     |         | 22054y                                                       | z20 *                         | 20,0– 16,0        | 29,0                       | 33x36,5                                                                  | 50 |
| M25x1,5                                             | 9,0     | 22553y                                                       | z11                           | 10,0– 6,0         | 26,0                       | 29x31,5/27x29,5                                                          | 50 |
|                                                     |         | 22553y                                                       | z13                           | 12,0– 8,0         | 26,0                       | 29x31,5/27x29,5                                                          | 50 |
|                                                     |         | 22553y                                                       | z16                           | 15,0– 12,0        | 26,0                       | 29x31,5/27x29,5                                                          | 50 |
| M25x1,5                                             | 11,0    | 22554y                                                       | z18 *                         | 17,0– 14,0        | 29,0                       | 33x36,5                                                                  | 25 |
|                                                     |         | 22554y                                                       | z20 *                         | 20,0– 16,0        | 29,0                       | 33x36,5                                                                  | 25 |
|                                                     |         | 22555y                                                       | z25 *                         | 24,0– 20,0        | 33,0                       | 43x46                                                                    | 25 |
|                                                     |         | 22555y                                                       | z28 *                         | 27,0– 23,0        | 33,0                       | 43x46                                                                    | 25 |
| M32x1,5                                             | 11,0    | 23254y                                                       | z13                           | 12,0– 8,0         | 29,0                       | 38x42/33x36,5                                                            | 25 |
|                                                     |         | 23254y                                                       | z16                           | 15,0– 12,0        | 29,0                       | 38x42/33x36,5                                                            | 25 |
|                                                     |         | 23254y                                                       | z18                           | 17,0– 14,0        | 29,0                       | 38x42/33x36,5                                                            | 25 |
|                                                     |         | 23254y                                                       | z20                           | 20,0– 16,0        | 29,0                       | 38x42/33x36,5                                                            | 25 |
|                                                     |         | 23255y                                                       | z25 *                         | 24,0– 20,0        | 33,0                       | 43x46                                                                    | 10 |
|                                                     |         | 23255y                                                       | z28 *                         | 27,0– 23,0        | 33,0                       | 43x46                                                                    | 10 |
| M40x1,5                                             | 11,5    | 24055y                                                       | z20                           | 20,0– 16,0        | 34,0                       | 46x50/43x46,5                                                            | 10 |
|                                                     |         | 24055y                                                       | z25                           | 24,0– 20,0        | 34,0                       | 46x50/43x46,5                                                            | 10 |
|                                                     |         | 24055y                                                       | z28                           | 27,0– 23,0        | 34,0                       | 46x50/43x46,5                                                            | 10 |

\* Dichteinsatz kurz = Art.-Nr.: Ek...  
\* Sealing insert short = art. no.: Ek...

Fortsetzung auf der nächsten Seite  
Continued on next page

## UNI Zug Dicht-Kabelverschraubung

UNI Dicht Strain relief cable gland

Fortsetzung von vorheriger Seite  
Continued from previous page

| Anschlussgewinde/-länge<br>Connection thread/length |           | Art.-Nr.<br>Art. no.                                         |          | Dichtbereich<br>Sealing range | Bauhöhe<br>Mounting height      | Schlüsselweite<br>Spanner width |                                                                                   |
|-----------------------------------------------------|-----------|--------------------------------------------------------------|----------|-------------------------------|---------------------------------|---------------------------------|-----------------------------------------------------------------------------------|
|                                                     |           | Ausführung bitte ergänzen<br>Please complete product details |          |                               |                                 |                                 |                                                                                   |
| <b>A</b>                                            | <b>D</b>  | Transparent                                                  | =        |                               |                                 |                                 |                                                                                   |
|                                                     |           | Blau/Blue                                                    | = a      | = TPE                         |                                 |                                 |                                                                                   |
|                                                     | <b>mm</b> | Schwarz/Black                                                | = n p    | = TPE-V                       | <b>max./min. ø</b><br><b>mm</b> | <b>C</b><br><b>mm</b>           | <b>SW<sub>1</sub> x E<sub>1</sub>/SW<sub>2</sub> x E<sub>2</sub></b><br><b>mm</b> |
| M40x1,5                                             | 13,0      | 24056y                                                       | z32 *    | 31,5 – 27,0                   | 35,0                            | 53x57                           | 5                                                                                 |
|                                                     |           | 24056y                                                       | z36 *    | 36,0 – 32,0                   | 35,0                            | 53x57                           | 5                                                                                 |
| M50x1,5                                             | 13,0      | 25056y                                                       | z32      | 31,5 – 27,0                   | 35,0                            | 56x61/53x57                     | 5                                                                                 |
|                                                     |           | 25056y                                                       | z36      | 36,0 – 32,0                   | 35,0                            | 56x61/53x57                     | 5                                                                                 |
| M50x1,5                                             | 14,0      | 25057y                                                       | z40 * ** | 40,0 – 36,0                   | 38,0                            | 60x65                           | 5                                                                                 |
| M63x1,5                                             | 14,0      | 26358y                                                       | z44 * ** | 44,0 – 39,0                   | 41,0                            | 68x73/65x70                     | 5                                                                                 |

\* Dichteinsatz kurz = Art.-Nr.: Ek... \*\* Variante y aus Werkstoff POM (Farbe weiß); Temperaturbereich: -40 °C bis +110 °C

\* Sealing insert short = art. no.: Ek... \*\* Variant y made of POM (white colour), temperature range: -40 °C up to +110 °C

12600 | TT09500

# UNI Klemm Dicht-Kabelverschraubung

UNI Clamping Dicht cable gland

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt**  
**Metrisches Gewinde EN 60423**  
**Mit O-Ring HNBR**  
**Schutzart IP 68**

Brass, nickel-plated  
Metric connection thread EN 60423  
With o-ring HNBR  
Type of protection IP 68



**Anschlussgewinde mit 15 mm Länge auf Anfrage**  
Long connection thread 15 mm on request

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE                                               | s. FC<br>s. CC   |                                         | -40 °C / +130 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -55 °C / +200 °C                                             |

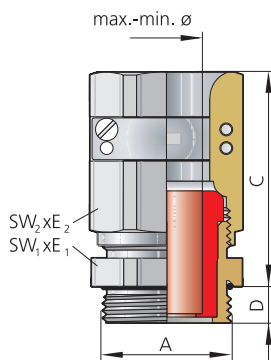


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |                   | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width                                          |    |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|-------------------|----------------------------|--------------------------------------------------------------------------|----|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |                   |                            |                                                                          |    |
| A                                                   | D<br>mm | TPE<br>TPE-V<br>Silikon HT/Silicone HT                       | =<br>=<br>= H                 | max./min. ø<br>mm | C<br>mm                    | SW <sub>1</sub> x E <sub>1</sub> /SW <sub>2</sub> x E <sub>2</sub><br>mm |    |
| M12x1,5                                             | 5,0     | 21250d                                                       | 8zu *                         | 8,0 – 6,0         | 39,0                       | 17x18,9                                                                  | 50 |
|                                                     |         | 21250d                                                       | 9zu *                         | 9,5 – 6,5         | 39,0                       | 17x18,9                                                                  | 50 |
| M16x1,5                                             | 6,0     | 21650d                                                       | 8zu                           | 8,0 – 6,0         | 39,0                       | 18x20/17x18,9                                                            | 50 |
|                                                     |         | 21650d                                                       | 9zu                           | 9,5 – 6,5         | 39,0                       | 18x20/17x18,9                                                            | 50 |
|                                                     |         | 21651d                                                       | 11zu *                        | 10,5 – 7,0        | 39,0                       | 20x22,2                                                                  | 50 |
|                                                     |         | 21652d                                                       | 13zu *                        | 13,0 – 9,0        | 39,0                       | 22x24,4                                                                  | 50 |
| M20x1,5                                             | 6,5     | 22052d                                                       | 9zu                           | 9,5 – 7,0         | 39,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 22052d                                                       | 11zu                          | 10,5 – 7,0        | 39,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 22052d                                                       | 13zu                          | 13,0 – 9,0        | 39,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 22053d                                                       | 16zu *                        | 15,5 – 11,5       | 41,0                       | 24x26,7                                                                  | 50 |
| M25x1,5                                             | 7,5     | 22553d                                                       | 9zu                           | 9,5 – 7,0         | 41,0                       | 28x31,2/24x26,7                                                          | 50 |
|                                                     |         | 22553d                                                       | 11zu                          | 10,5 – 7,0        | 41,0                       | 28x31,2/24x26,7                                                          | 50 |
|                                                     |         | 22553d                                                       | 13zu                          | 13,0 – 9,0        | 41,0                       | 28x31,2/24x26,7                                                          | 50 |
|                                                     |         | 22553d                                                       | 16zu                          | 15,5 – 11,5       | 41,0                       | 28x31,2/24x26,7                                                          | 25 |
|                                                     |         | 22554d                                                       | 18zu *                        | 18,0 – 14,0       | 48,0                       | 30x33,5                                                                  | 25 |
|                                                     |         | 22554d                                                       | 20zu *                        | 20,5 – 17,0       | 48,0                       | 30x33,5                                                                  | 25 |
| M32x1,5                                             | 8,0     | 23254d                                                       | 13zu                          | 13,0 – 10,0       | 48,0                       | 35x38,5/30x33,5                                                          | 25 |
|                                                     |         | 23254d                                                       | 16zu                          | 15,5 – 11,5       | 48,0                       | 35x38,5/30x33,5                                                          | 25 |
|                                                     |         | 23254d                                                       | 18zu                          | 18,0 – 14,0       | 48,0                       | 35x38,5/30x33,5                                                          | 25 |
|                                                     |         | 23254d                                                       | 20zu                          | 20,5 – 17,0       | 48,0                       | 35x38,5/30x33,5                                                          | 25 |
|                                                     |         | 23255d                                                       | 25zu *                        | 25,0 – 20,0       | 52,0                       | 40x43,5                                                                  | 10 |
| M40x1,5                                             | 8,0     | 24055d                                                       | 18zu                          | 18,0 – 14,0       | 51,0                       | 43x47,3/40x43,5                                                          | 10 |
|                                                     |         | 24055d                                                       | 20zu                          | 20,5 – 17,0       | 51,0                       | 43x47,3/40x43,5                                                          | 10 |
|                                                     |         | 24055d                                                       | 25zu                          | 25,0 – 20,0       | 51,0                       | 43x47,3/40x43,5                                                          | 10 |
|                                                     |         | 24055d                                                       | 28zu                          | 28,0 – 24,0       | 51,0                       | 43x47,3/40x43,5                                                          | 10 |
| M40x1,5                                             | 9,0     | 24056d                                                       | 32zu *                        | 32,0 – 27,0       | 52,0                       | 50x54                                                                    | 5  |

\* Dichteinsatz kurz = Art.-Nr.: Ek...

\* Sealing insert short = art. no.: Ek...

Fortsetzung auf der nächsten Seite  
Continued on next page

**UNI Klemm Dicht-Kabelverschraubung**
*UNI Clamping Dicht cable gland*
 Fortsetzung von vorheriger Seite  
Continued from previous page

| Anschlussgewinde/-länge<br>Connection thread/length |                | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |                          | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width                                            |                                                                                     |
|-----------------------------------------------------|----------------|--------------------------------------------------------------|-------------------------------|--------------------------|----------------------------|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                     |                | Ausführung bitte ergänzen<br>Please complete product details |                               |                          |                            |                                                                            |                                                                                     |
| <b>A</b>                                            | <b>D</b><br>mm | TPE =<br>TPE-V = p<br>Silikon HT/Silicone HT = H             |                               | <b>max./min. ø</b><br>mm | <b>C</b><br>mm             | <b>SW<sub>1</sub> x E<sub>1</sub>/SW<sub>2</sub> x E<sub>2</sub></b><br>mm |  |
| M50x1,5                                             | 10,0           | 25056d                                                       | 32zu                          | 32,0 – 27,0              | 52,0                       | 54x58/50x54                                                                | 5                                                                                   |
|                                                     |                | 25056d                                                       | 34zu                          | 34,0 – 29,0              | 52,0                       | 54x58/50x54                                                                | 5                                                                                   |
|                                                     |                | 25056d                                                       | 36zu                          | 36,0 – 32,0              | 52,0                       | 54x58/50x54                                                                | 5                                                                                   |
| M63x1,5                                             | 10,0           | 26358d                                                       | 44zu *                        | 44,0 – 39,0              | 54,0                       | 68x74/64x69                                                                | 5                                                                                   |
| M75x1,5                                             | 15,0           | 275212d                                                      | 47zu *                        | 47,0 – 42,0              | 63,0                       | 81x87                                                                      | 1                                                                                   |
|                                                     |                | 275212d                                                      | 52zu *                        | 52,0 – 45,0              | 63,0                       | 81x87                                                                      | 1                                                                                   |
|                                                     |                | 275212d                                                      | 55zu *                        | 55,0 – 51,0              | 63,0                       | 81x87                                                                      | 1                                                                                   |
|                                                     |                | 275212d                                                      | 58zu *                        | 58,0 – 54,0              | 63,0                       | 81x87                                                                      | 1                                                                                   |
| M80x2                                               | 15,0           | 280300d                                                      | 57zu *                        | 57,0 – 52,0              | 77,0                       | 95x102                                                                     | 1                                                                                   |
|                                                     |                | 280300d                                                      | 64zu *                        | 64,0 – 58,0              | 77,0                       | 95x102                                                                     | 1                                                                                   |
|                                                     |                | 280300d                                                      | 70zu *                        | 70,0 – 63,0              | 77,0                       | 95x102                                                                     | 1                                                                                   |

\* Dichteinsatz aus Silikon HT nicht lieferbar  
\* Sealing insert silicone HT not available

 **Passende Gegenmuttern ab Seite 442**  
Corresponding locknuts see from page 442

131100 | JT00400

# UNI Biegeschutz Dicht-Kabelverschraubung

UNI Dicht Bending protection cable gland



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt**  
**Metrisches Anschlussgewinde EN 60423**  
**Mit O-Ring HNBR**  
**Schutzart IP 68 bis 10 bar**

Brass, nickel-plated  
Metric connection thread EN 60423  
With o-ring HNBR  
Type of protection IP 68 up to 10 bar

**i Anschlussgewinde mit 15 mm Länge auf Anfrage**  
Long connection thread 15 mm on request

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour  | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|-------------------------------------|---------------------------------------------------|------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt (v)<br>Nickel-plated (n) | TPE-V                                             | Schwarz<br>Black | -40 °C / +135 °C                                             |

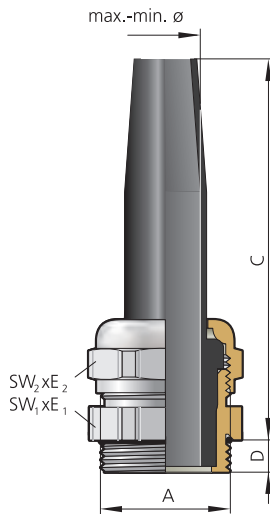


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no. | Dichtbereich<br>Sealing range<br>max./min. ø<br>mm | Bauhöhe<br>Mounting height<br>C<br>mm | Schlüsselweite<br>Spanner width<br>SW <sub>1</sub> x E <sub>1</sub> /SW <sub>2</sub> x E <sub>2</sub><br>mm |    |
|-----------------------------------------------------|---------|----------------------|----------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------|----|
| A                                                   | D<br>mm |                      |                                                    |                                       |                                                                                                             |    |
| M12x1,5                                             | 5,0     | 21249dLp 4/V2        | 4,0 – 2,5                                          | 53,0                                  | 14x15,5                                                                                                     | 50 |
|                                                     |         | 21249dLp 5/V2        | 5,0 – 3,5                                          | 53,0                                  | 14x15,5                                                                                                     | 50 |
|                                                     |         | 21249dLp 6/V2        | 6,0 – 4,5                                          | 53,0                                  | 14x15,5                                                                                                     | 50 |
|                                                     |         | 21249dLp 6,5/V2      | 6,5 – 5,5                                          | 53,0                                  | 14x15,5                                                                                                     | 50 |
| M16x1,5                                             | 6,0     | 21650dLp 5,5/V2      | 5,5 – 4,0                                          | 66,0                                  | 18x20/17x18,9                                                                                               | 50 |
|                                                     |         | 21650dLp 6/V2        | 6,0 – 5,0                                          | 66,0                                  | 18x20/17x18,9                                                                                               | 50 |
|                                                     |         | 21650dLp 7,5/V2      | 7,5 – 5,5                                          | 66,0                                  | 18x20/17x18,9                                                                                               | 50 |
| M20x1,5                                             | 6,5     | 22051dLp 5,5/V2      | 5,5 – 4,0                                          | 66,0                                  | 22x24,4/20x22,2                                                                                             | 50 |
|                                                     |         | 22051dLp 6,5/V2      | 6,5 – 5,0                                          | 66,0                                  | 22x24,4/20x22,2                                                                                             | 50 |
|                                                     |         | 22052dLp 6,5/V2      | 6,5 – 5,0                                          | 77,0                                  | 22x24,4/20x22,2                                                                                             | 50 |
|                                                     |         | 22052dLp 7,5/V2      | 7,5 – 6,0                                          | 77,0                                  | 22x24,4                                                                                                     | 50 |
|                                                     |         | 22051dLp 8/V2        | 8,0 – 6,0                                          | 66,0                                  | 22x24,4/20x22,2                                                                                             | 50 |
|                                                     |         | 22052dLp 8,5/V2      | 8,5 – 7,0                                          | 77,0                                  | 22x24,4                                                                                                     | 50 |
|                                                     |         | 22051dLp 9,5/V2      | 9,5 – 7,5                                          | 66,0                                  | 22x24,4/20x22,2                                                                                             | 50 |
|                                                     |         | 22052dLp 10,5/V2     | 10,5 – 8,0                                         | 77,0                                  | 22x24,4                                                                                                     | 50 |
| M25x1,5                                             | 7,5     | 22553dLp 8/V2        | 8,0 – 6,5                                          | 83,0                                  | 28x31,2/24x26,7                                                                                             | 25 |
|                                                     |         | 22553dLp 9,5/V2      | 9,5 – 7,5                                          | 83,0                                  | 28x31,2/24x26,7                                                                                             | 25 |
|                                                     |         | 22553dLp 11/V2       | 11,0 – 9,0                                         | 83,0                                  | 28x31,2/24x26,7                                                                                             | 25 |
|                                                     |         | 22553dLp 13/V2       | 13,0 – 10,5                                        | 83,0                                  | 28x31,2/24x26,7                                                                                             | 25 |
| M32x1,5                                             | 8,0     | 23254dLp 10/V2       | 10,0 – 8,0                                         | 80,0                                  | 35x38,5/30x33,5                                                                                             | 10 |
|                                                     |         | 23254dLp 11,5/V2     | 11,5 – 9,5                                         | 80,0                                  | 35x38,5/30x33,5                                                                                             | 10 |
|                                                     |         | 23254dLp 13,5/V2     | 13,5 – 11,0                                        | 80,0                                  | 35x38,5/30x33,5                                                                                             | 10 |
|                                                     |         | 23254dLp 15,5/V2     | 15,5 – 13,0                                        | 80,0                                  | 35x38,5/30x33,5                                                                                             | 10 |
|                                                     |         | 23254dLp 17,5/V2     | 17,5 – 15,0                                        | 80,0                                  | 35x38,5/30x33,5                                                                                             | 10 |
| M40x1,5                                             | 8,0     | 24055dLp 19,5/V2     | 19,5 – 16,0                                        | 84,0                                  | 43x47,3/40x43,5                                                                                             | 10 |
|                                                     |         | 24055dLp 22/V2       | 22,0 – 19,0                                        | 84,0                                  | 43x47,3/40x43,5                                                                                             | 10 |
|                                                     |         | 24055dLp 24/V2       | 24,0 – 21,0                                        | 84,0                                  | 43x47,3/40x43,5                                                                                             | 10 |

**i Passende Gegenmuttern ab Seite 442**  
Corresponding locknuts see from page 442

# UNI Biegeschutz Dicht-Kabelverschraubung

UNI Dicht Bending cable gland



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

Polycarbonat, Farbe: grau (RAL 7035), schwarz (RAL 9005)

Metrisches Anschlussgewinde EN 60423

Schutzart IP 68 bis 10 bar

Polycarbonate, colour: grey (RAL 7035), black (RAL 9005)

Metric connection thread EN 60423

Type of protection IP 68 up to 10 bar

**i** Schutzart IP 68/Type 4X ausschließlich in Verbindung mit separat erhältlicher Flachdichtung auf Seite 468  
Type of protection IP 68/Type 4X only in combination with separately available flat seal ring on page 468

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|--------------------------------------------------------------|
| PC                                                    | Grau<br>Grey                       |                                         | TPE-V                                             | Schwarz<br>Black | -20 °C / +100 °C                                             |
| PC                                                    | Schwarz<br>Black                   | n                                       | TPE-V                                             | Schwarz<br>Black | -20 °C / +100 °C                                             |

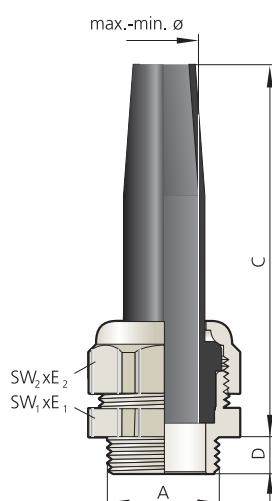


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |                   | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width                                          |    |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|-------------------|----------------------------|--------------------------------------------------------------------------|----|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |                   |                            |                                                                          |    |
| A                                                   | D<br>mm | Grau/Grey<br>Schwarz/Black                                   | =<br>n                        | max./min. ø<br>mm | C<br>mm                    | SW <sub>1</sub> x E <sub>1</sub> /SW <sub>2</sub> x E <sub>2</sub><br>mm |    |
| M12x1,5                                             | 8,0     | 21249PC                                                      | Lp 4/V2                       | 4,0 – 2,5         | 55,0                       | 15x16,5                                                                  | 50 |
|                                                     |         | 21249PC                                                      | Lp 5/V2                       | 5,0 – 3,5         | 55,0                       | 15x16,5                                                                  | 50 |
|                                                     |         | 21249PC                                                      | Lp 6/V2                       | 6,0 – 4,5         | 55,0                       | 15x16,5                                                                  | 50 |
|                                                     |         | 21249PC                                                      | Lp 6,5/V2                     | 6,5 – 5,5         | 55,0                       | 15x16,5                                                                  | 50 |
| M16x1,5                                             | 9,0     | 21650PC                                                      | Lp 5,5/V2                     | 5,5 – 4,0         | 68,0                       | 19x21,2                                                                  | 50 |
|                                                     |         | 21650PC                                                      | Lp 6/V2                       | 6,0 – 5,0         | 68,0                       | 19x21,2                                                                  | 50 |
|                                                     |         | 21650PC                                                      | Lp 7,5/V2                     | 7,5 – 5,5         | 68,0                       | 19x21,2                                                                  | 50 |
| M20x1,5                                             | 9,0     | 22051PC                                                      | Lp 5,5/V2                     | 5,5 – 4,0         | 75,0                       | 24x26,5/22x24,4                                                          | 50 |
|                                                     |         | 22051PC                                                      | Lp 6,5/V2                     | 6,5 – 5,0         | 75,0                       | 24x26,5/22x24,4                                                          | 50 |
|                                                     |         | 22052PC                                                      | Lp 6,5/V2                     | 6,5 – 5,0         | 80,0                       | 24x26,5                                                                  | 50 |
|                                                     |         | 22052PC                                                      | Lp 7,5/V2                     | 7,5 – 6,0         | 80,0                       | 24x26,5                                                                  | 50 |
|                                                     |         | 22051PC                                                      | Lp 8/V2                       | 8,0 – 6,0         | 75,0                       | 24x26,5/22x24,4                                                          | 50 |
|                                                     |         | 22052PC                                                      | Lp 8,5/V2                     | 8,5 – 7,0         | 80,0                       | 24x26,5                                                                  | 50 |
|                                                     |         | 22051PC                                                      | Lp 9,5/V2                     | 9,5 – 7,5         | 75,0                       | 24x26,5/22x24,4                                                          | 50 |
|                                                     |         | 22052PC                                                      | Lp10,5/V2                     | 10,5 – 8,0        | 80,0                       | 24x26,5                                                                  | 50 |
| M25x1,5                                             | 9,0     | 22553PC                                                      | Lp 8/V2                       | 8,0 – 6,0         | 85,0                       | 30x33/27x29,5                                                            | 25 |
|                                                     |         | 22553PC                                                      | Lp 9,5/V2                     | 9,5 – 7,5         | 85,0                       | 30x33/27x29,5                                                            | 25 |
|                                                     |         | 22553PC                                                      | Lp11/V2                       | 11,0 – 9,0        | 85,0                       | 30x33/27x29,5                                                            | 25 |
|                                                     |         | 22553PC                                                      | Lp13/V2                       | 13,0 – 10,5       | 85,0                       | 30x33/27x29,5                                                            | 25 |
| M32x1,5                                             | 11,0    | 23254PC                                                      | Lp10/V2                       | 10,0 – 8,0        | 82,0                       | 36x39,5/33x36,5                                                          | 10 |
|                                                     |         | 23254PC                                                      | Lp11,5/V2                     | 11,5 – 9,5        | 82,0                       | 36x39,5/33x36,5                                                          | 10 |
|                                                     |         | 23254PC                                                      | Lp13,5/V2                     | 13,5 – 11,0       | 82,0                       | 36x39,5/33x36,5                                                          | 10 |
|                                                     |         | 23254PC                                                      | Lp15,5/V2                     | 15,5 – 13,0       | 82,0                       | 36x39,5/33x36,5                                                          | 10 |
|                                                     |         | 23254PC                                                      | Lp17,5/V2                     | 17,5 – 15,0       | 82,0                       | 36x39,5/33x36,5                                                          | 10 |
| M40x1,5                                             | 11,5    | 24055PC                                                      | Lp19,5/V2                     | 19,5 – 16,0       | 84,0                       | 46x50/43x46,5                                                            | 10 |
|                                                     |         | 24055PC                                                      | Lp22/V2                       | 22,0 – 19,0       | 84,0                       | 46x50/43x46,5                                                            | 10 |
|                                                     |         | 24055PC                                                      | Lp24/V2                       | 24,0 – 21,0       | 84,0                       | 46x50/43x46,5                                                            | 10 |

**i** Passende Gegenmuttern ab Seite 442  
Corresponding locknuts see from page 442

# UNI Biegeschutz Dicht-Kabelverschraubung

UNI Dicht Bending protection cable gland



Abb. 1  
Fig. 1

Abb. 2  
Fig. 2

**PVDF, Farbe: transparent, blau, schwarz (RAL 9005)**

**Metrisches Anschlussgewinde EN 60423**

**Schutzart IP 68 bis 10 bar**

PVDF, colour: transparent, blue, black (RAL 9005)

Metric connection thread EN 60423

Type of protection IP 68 up to 10 bar



**Anschlussgewinde mit 15 mm Länge auf Anfrage**

Long connection thread 15 mm on request

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|--------------------------------------------------------------|
| PVDF                                                  | Transparent                        |                                         | TPE-V                                             | Schwarz<br>Black | -40 °C / +135 °C                                             |
| PVDF                                                  | Blau<br>Blue                       | a                                       | TPE-V                                             | Schwarz<br>Black | -40 °C / +135 °C                                             |
| PVDF                                                  | Schwarz<br>Black                   | n                                       | TPE-V                                             | Schwarz<br>Black | -40 °C / +135 °C                                             |

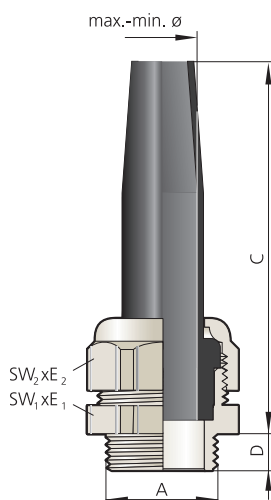


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |                   | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width                                          |  |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|-------------------|----------------------------|--------------------------------------------------------------------------|--|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |                   |                            |                                                                          |  |
|                                                     |         | Transparent =                                                |                               |                   |                            |                                                                          |  |
|                                                     |         | Blau/Blue = a                                                |                               |                   |                            |                                                                          |  |
|                                                     |         | Schwarz/Black = n                                            |                               |                   |                            |                                                                          |  |
| A                                                   | D<br>mm |                                                              |                               | max./min. ø<br>mm | C<br>mm                    | SW <sub>1</sub> x E <sub>1</sub> /SW <sub>2</sub> x E <sub>2</sub><br>mm |  |
| M12x1,5                                             | 8,0     | 21249y                                                       | Lp 4/V2                       | 4,0 – 2,5         | 55,0                       | 15x16,5                                                                  |  |
|                                                     |         | 21249y                                                       | Lp 5/V2                       | 5,0 – 3,5         | 55,0                       | 15x16,5                                                                  |  |
|                                                     |         | 21249y                                                       | Lp 6/V2                       | 6,0 – 4,5         | 55,0                       | 15x16,5                                                                  |  |
|                                                     |         | 21249y                                                       | Lp 6,5/V2                     | 6,5 – 5,5         | 55,0                       | 15x16,5                                                                  |  |
| M16x1,5                                             | 9,0     | 21650y                                                       | Lp 5,5/V2                     | 5,5 – 4,0         | 65,0                       | 19x21,2                                                                  |  |
|                                                     |         | 21650y                                                       | Lp 6/V2                       | 6,0 – 4,5         | 65,0                       | 19x21,2                                                                  |  |
|                                                     |         | 21650y                                                       | Lp 7,5/V2                     | 7,5 – 5,5         | 65,0                       | 19x21,2                                                                  |  |
| M20x1,5                                             | 9,0     | 22051y                                                       | Lp 5,5/V2                     | 5,5 – 4,0         | 75,0                       | 24x26,5/22x24,4                                                          |  |
|                                                     |         | 22051y                                                       | Lp 6,5/V2                     | 6,5 – 5,0         | 75,0                       | 24x26,5/22x24,4                                                          |  |
|                                                     |         | 22052y                                                       | Lp 6,5/V2                     | 6,5 – 5,0         | 80,0                       | 24x26,5                                                                  |  |
|                                                     |         | 22052y                                                       | Lp 7,5/V2                     | 7,5 – 5,5         | 80,0                       | 24x26,5                                                                  |  |
|                                                     |         | 22051y                                                       | Lp 8/V2                       | 8,0 – 6,0         | 75,0                       | 24x26,5/22x24,4                                                          |  |
|                                                     |         | 22052y                                                       | Lp 8,5/V2                     | 8,5 – 7,0         | 80,0                       | 24x26,5                                                                  |  |
|                                                     |         | 22051y                                                       | Lp 9,5/V2                     | 9,5 – 7,5         | 75,0                       | 24x26,5/22x24,4                                                          |  |
|                                                     |         | 22051y                                                       | Lp 9,5/V2                     | 9,5 – 7,5         | 75,0                       | 24x26,5                                                                  |  |
|                                                     |         | 22052y                                                       | Lp10,5/V2                     | 10,5 – 8,0        | 72,0                       | 24x26,5                                                                  |  |
|                                                     |         | 22052y                                                       | Lp10,5/V2                     | 10,5 – 8,0        | 80,0                       | 24x26,5                                                                  |  |
| M25x1,5                                             | 9,0     | 22553y                                                       | Lp 8/V2                       | 8,0 – 6,0         | 85,0                       | 29x31,5/27x29,5                                                          |  |
|                                                     |         | 22553y                                                       | Lp 9,5/V2                     | 9,5 – 7,5         | 85,0                       | 29x31,5/27x29,5                                                          |  |
|                                                     |         | 22553y                                                       | Lp11/V2                       | 11,0 – 9,0        | 85,0                       | 29x31,5/27x29,5                                                          |  |
|                                                     |         | 22553y                                                       | Lp13/V2                       | 13,0 – 10,5       | 85,0                       | 29x31,5/27x29,5                                                          |  |
| M32x1,5                                             | 11,0    | 23254y                                                       | Lp10/V2                       | 10,0 – 8,0        | 82,0                       | 38x42/33x36,5                                                            |  |
|                                                     |         | 23254y                                                       | Lp11,5/V2                     | 11,5 – 9,5        | 82,0                       | 38x42/33x36,5                                                            |  |
|                                                     |         | 23254y                                                       | Lp13,5/V2                     | 13,5 – 11,0       | 82,0                       | 38x42/33x36,5                                                            |  |
|                                                     |         | 23254y                                                       | Lp15,5/V2                     | 15,5 – 13,0       | 82,0                       | 38x42/33x36,5                                                            |  |
|                                                     |         | 23254y                                                       | Lp17,5/V2                     | 17,5 – 15,0       | 82,0                       | 38x42/33x36,5                                                            |  |
| M40x1,5                                             | 11,5    | 24055y                                                       | Lp19,5/V2                     | 19,5 – 16,0       | 88,0                       | 46x50/43x46                                                              |  |
|                                                     |         | 24055y                                                       | Lp22/V2                       | 22,0 – 19,0       | 88,0                       | 46x50/43x46                                                              |  |
|                                                     |         | 24055y                                                       | Lp24/V2                       | 24,0 – 21,0       | 88,0                       | 46x50/43x46                                                              |  |



**Schutzart IP 68 ausschließlich in Verbindung mit separat erhältlicher Flachdichtung auf Seite 468**

Type of protection IP 68 only in combination with separately available flat sealing ring on page 468

## UNI Flex Dicht-Kabelverschraubung

UNI Flex Dicht cable gland

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt, Feder aus Edelstahl**  
**Metrisches Anschlussgewinde EN 60423**  
**Mit O-Ring HNBR/Silikon**  
**Schutzart IP 68 – statisch geprüft**  
**Zugentlastung bis Klasse A, EN 62444**

*Brass, nickel-plated, spring made of stainless steel*  
*Metric connection thread EN 60423*  
*With o-ring HNBR/silicone*  
*Type of protection IP 68 – statically tested*  
*Strain relief up to class A, EN 62444*

**Flexible Leitungen an Robotern, Handbediengeräten, Fußschaltern etc. sind am Gerät besonderen Beanspruchungen unterworfen. Die UNI Flex gibt den Leitungen einen definierten Biegeradius und schützt vor Aderbruch.**  
*Flexible lines on robots, hand controllers, foot switches, etc. are subjected to special loads at the cross-over to the equipment. The UNI Flex provides the lines with a defined bending radius and protection against conductor breaks.*

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE                                               | s. FC<br>s. CC   |                                         | -40 °C / +130 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -55 °C / +200 °C                                             |

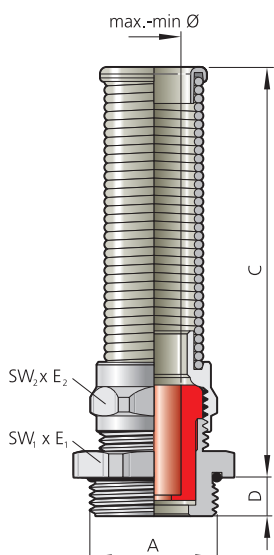


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |         | Bauhöhe<br>Mounting height                                               | Schlüsselweite<br>Spanner width |  |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|---------|--------------------------------------------------------------------------|---------------------------------|--|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |         |                                                                          |                                 |  |
| A                                                   | D<br>mm | TPE =                                                        | max./min. Ø<br>mm             | C<br>mm | SW <sub>1</sub> x E <sub>1</sub> /SW <sub>2</sub> x E <sub>2</sub><br>mm |                                 |  |
|                                                     |         | TPE-V = p                                                    |                               |         |                                                                          |                                 |  |
|                                                     |         | Silikon HT/Silicone HT = H                                   |                               |         |                                                                          |                                 |  |
| M16x1,5                                             | 6,0     | 21652dF                                                      | 14.07V2 6,5 – 4,0             | 80,0    | 22x24,4                                                                  | 25                              |  |
|                                                     |         | 21652dF                                                      | 14.09V2 9,5 – 6,5             | 80,0    | 22x24,4                                                                  | 25                              |  |
|                                                     |         | 21652dF                                                      | 14.11V2 10,5 – 7,0            | 80,0    | 22x24,4                                                                  | 25                              |  |
| M20x1,5                                             | 6,5     | 22052dF                                                      | 14.07V2 6,5 – 4,0             | 82,0    | 22x24,4                                                                  | 25                              |  |
|                                                     |         | 22052dF                                                      | 14.08V2 8,0 – 5,0             | 82,0    | 22x24,4                                                                  | 25                              |  |
|                                                     |         | 22052dF                                                      | 14.09V2 9,5 – 6,5             | 82,0    | 22x24,4                                                                  | 25                              |  |
|                                                     |         | 22052dF                                                      | 14.11V2 10,5 – 7,0            | 82,0    | 22x24,4                                                                  | 25                              |  |
|                                                     |         | 22052dF                                                      | 14.13V2 13,0 – 9,0            | 82,0    | 22x24,4                                                                  | 25                              |  |
|                                                     |         | 22053dF                                                      | 16.16V2 15,5 – 11,5           | 82,0    | 24x26,7                                                                  | 25                              |  |
| M25x1,5                                             | 7,5     | 22553dF                                                      | 16.11V2 10,5 – 7,0            | 85,0    | 28x31,2/24x26,7                                                          | 25                              |  |
|                                                     |         | 22553dF                                                      | 16.13V2 13,0 – 9,0            | 85,0    | 28x31,2/24x26,7                                                          | 25                              |  |
|                                                     |         | 22553dF                                                      | 16.16V2 15,5 – 11,5           | 85,0    | 28x31,2/24x26,7                                                          | 25                              |  |
|                                                     |         | 22554dF                                                      | 19.18V2 18,0 – 14,0           | 90,0    | 30x33,5                                                                  | 25                              |  |
| M32x1,5                                             | 8,0     | 23254dF                                                      | 19.18V2 18,0 – 14,0           | 90,0    | 35x38,5/30x33,5                                                          | 10                              |  |

**Passende Gegenmuttern ab Seite 442**  
*Corresponding locknuts see from page 442*

# UNI Biege Zug-Kabelverschraubung

UNI Bending Strain relief cable gland

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt**  
**Metrisches Anschlussgewinde EN 60423**  
**Mit O-Ring HNBR**  
**Schutzart IP 54**  
**Integrierte Zugentlastung – vibrationsfest**

Brass, nickel-plated  
Metric connection thread EN 60423  
With o-ring HNBR  
Type of protection IP 54  
Integrated strain relief – vibration resistant

**i Anschlussgewinde mit 15 mm Länge auf Anfrage**  
Long connection thread 15 mm on request

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|---------------------------------------------------|------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE-V                                             | Schwarz<br>Black | -20 °C / +100 °C                                             |

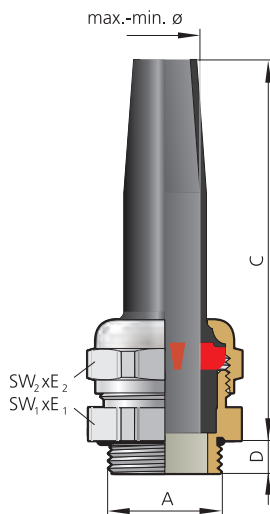


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length<br>A | D<br>mm | Art.-Nr.<br>Art. no. | Dichtbereich<br>Sealing range<br>max./min. ø<br>mm | Bauhöhe<br>Mounting height<br>C<br>mm | Schlüsselweite<br>Spanner width<br>SW <sub>1</sub> x E <sub>1</sub> /SW <sub>2</sub> x E <sub>2</sub><br>mm |    |
|----------------------------------------------------------|---------|----------------------|----------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------|----|
| M12x1,5                                                  | 5,0     | 21250dLzp 7*         | 6,5 – 4,5                                          | 54,0                                  | 17x18,9                                                                                                     | 50 |
| M16x1,5                                                  | 6,0     | 21650dLzp 7          | 6,5 – 4,5                                          | 54,0                                  | 18x20/17x18,9                                                                                               | 50 |
|                                                          |         | 21651dLzp 9*         | 9,0 – 6,0                                          | 63,0                                  | 20x22,2                                                                                                     | 50 |
|                                                          |         | 21652dLzp 9*         | 9,5 – 6,5                                          | 68,0                                  | 22x24,4                                                                                                     | 50 |
|                                                          |         | 21652dLzp11*         | 10,5 – 8,5                                         | 68,0                                  | 22x24,4                                                                                                     | 50 |
| M20x1,5                                                  | 6,5     | 22051dLzp 9          | 9,5 – 6,5                                          | 69,0                                  | 22x24,4/20x22,2                                                                                             | 50 |
|                                                          |         | 22052dLzp 9          | 9,5 – 6,5                                          | 69,0                                  | 22x24,4                                                                                                     | 50 |
|                                                          |         | 22052dLzp11          | 10,5 – 8,5                                         | 69,0                                  | 22x24,4                                                                                                     | 50 |
|                                                          |         | 22053dLzp13*         | 13,0 – 9,0                                         | 77,0                                  | 24x26,7                                                                                                     | 25 |
|                                                          |         | 22054dLzp16*         | 15,5 – 13,0                                        | 78,0                                  | 30x33,5                                                                                                     | 10 |
| M25x1,5                                                  | 7,5     | 22553dLzp 9          | 9,5 – 6,5                                          | 73,0                                  | 28x31,2/24x26,7                                                                                             | 25 |
|                                                          |         | 22553dLzp11          | 10,5 – 8,5                                         | 73,0                                  | 28x31,2/24x26,7                                                                                             | 25 |
|                                                          |         | 22553dLzp13          | 13,0 – 9,0                                         | 73,0                                  | 28x31,2/24x26,7                                                                                             | 25 |
|                                                          |         | 22554dLzp16*         | 15,5 – 13,0                                        | 78,0                                  | 30x33,5                                                                                                     | 10 |
| M32x1,5                                                  | 8,0     | 23254dLzp13          | 13,0 – 9,0                                         | 78,0                                  | 35x38,5/30x33,5                                                                                             | 10 |
|                                                          |         | 23254dLzp16          | 15,5 – 13,0                                        | 78,0                                  | 35x38,5/30x33,5                                                                                             | 10 |
|                                                          |         | 23254dLzp18          | 17,5 – 14,0                                        | 78,0                                  | 35x38,5/30x33,5                                                                                             | 10 |
|                                                          |         | 23255dLzp21*         | 20,0 – 17,0                                        | 103,0                                 | 40x43,5                                                                                                     | 10 |
| M40x1,5                                                  | 8,0     | 24055dLzp21          | 20,0 – 17,0                                        | 104,0                                 | 43x47,3/40x43,5                                                                                             | 10 |
|                                                          |         | 24055dLzp25          | 24,5 – 21,0                                        | 104,0                                 | 43x47,3/40x43,5                                                                                             | 5  |

\* Dichteinsatz kurz = Art.-Nr.: Ek...  
\* Sealing insert short = art. no.: Ek...

**i Passende Gegenmuttern ab Seite 442**  
Corresponding locknuts see from page 442

# UNI Biege Zug-Kabelverschraubung

UNI Bending Strain relief cable gland

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

Polycarbonat, Farbe: grau (RAL 7035), schwarz (RAL 9005)

Metrisches Anschlussgewinde EN 60423

Schutzart IP 54

Integrierte Zugentlastung – vibrationsfest

Polycarbonate, colour: grey (RAL 7035), black (RAL 9005)

Metric connection thread EN 60423

Type of protection IP 54

Integrated strain relief – vibration resistant

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|--------------------------------------------------------------|
| PC                                                    | Grau<br>Grey                       |                                         | TPE-V                                             | Schwarz<br>Black | -20 °C / +100 °C                                             |
| PC                                                    | Schwarz<br>Black                   | n                                       | TPE-V                                             | Schwarz<br>Black | -20 °C / +100 °C                                             |

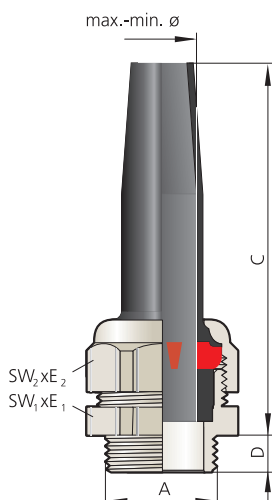


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width                                          |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|----------------------------|--------------------------------------------------------------------------|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |                            |                                                                          |
| A                                                   | D<br>mm | Grau/Grey<br>Schwarz/Black                                   | max./min. ø<br>mm             | C<br>mm                    | SW <sub>1</sub> x E <sub>1</sub> /SW <sub>2</sub> x E <sub>2</sub><br>mm |
| M12x1,5                                             | 8,0     | 21250PC                                                      | Lzp 7 *                       | 6,5 – 4,5                  | 55,0 19x21,2 50                                                          |
| M16x1,5                                             | 9,0     | 21650PC                                                      | Lzp 7                         | 6,5 – 4,5                  | 58,0 19x21,2 50                                                          |
| M16x1,5                                             | 8,5     | 21651PC                                                      | Lzp 9 *                       | 9,0 – 6,5                  | 64,0 22x24,5 50                                                          |
| M20x1,5                                             | 9,0     | 22052PC                                                      | Lzp 9 *                       | 9,5 – 6,5                  | 72,0 24x26,5 50                                                          |
|                                                     |         | 22052PC                                                      | Lzp 11 *                      | 10,5 – 8,5                 | 72,0 24x26,5 50                                                          |
|                                                     |         | 22053PC                                                      | Lzp 13 *                      | 13,0 – 9,0                 | 75,0 27x29,5 25                                                          |
| M25x1,5                                             | 9,0     | 22553PC                                                      | Lzp 9                         | 9,5 – 6,5                  | 80,0 30x33/27x29,5 25                                                    |
|                                                     |         | 22553PC                                                      | Lzp 11                        | 10,5 – 7,0                 | 80,0 30x33/27x29,5 25                                                    |
|                                                     |         | 22553PC                                                      | Lzp 13                        | 13,0 – 9,0                 | 80,0 30x33/27x29,5 25                                                    |
| M25x1,5                                             | 11,0    | 22554PC                                                      | Lzp 16 *                      | 15,5 – 13,0                | 80,0 33x36,5 10                                                          |
|                                                     |         | 22554PC                                                      | Lzp 18 *                      | 17,5 – 14,0                | 80,0 33x36,5 10                                                          |
| M32x1,5                                             | 11,0    | 23254PC                                                      | Lzp 13                        | 13,0 – 9,0                 | 80,0 36x39,5/33x36,5 10                                                  |
|                                                     |         | 23254PC                                                      | Lzp 16                        | 15,5 – 13,0                | 80,0 36x39,5/33x36,5 10                                                  |
|                                                     |         | 23254PC                                                      | Lzp 18                        | 17,5 – 14,0                | 80,0 36x39,5/33x36,5 10                                                  |
|                                                     |         | 23255PC                                                      | Lzp 21 *                      | 20,5 – 17,0                | 104,0 43x46 10                                                           |
|                                                     |         | 23255PC                                                      | Lzp 25 *                      | 24,0 – 20,0                | 104,0 43x46 10                                                           |
| M40x1,5                                             | 11,5    | 24055PC                                                      | Lzp 21                        | 20,5 – 17,0                | 108,0 46x50/43x46,5 5                                                    |
|                                                     |         | 24055PC                                                      | Lzp 25                        | 24,0 – 20,0                | 108,0 46x50/43x46,5 5                                                    |

\* Dichteinsatz kurz = Art.-Nr.: Ek...

\* Sealing insert short = art. no.: Ek...



Passende Gegenmuttern ab Seite 442

Corresponding locknuts see from page 442

# UNI Biege Zug-Kabelverschraubung

UNI Bending Strain relief cable gland

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**PVDF, Farbe: transparent, blau (RAL 5015), schwarz (RAL 9005)**  
**Metrisches Anschlussgewinde EN 60423**  
**Schutzart IP 54**  
**Integrierte Zugentlastung – vibrationsfest**

*PVDF, colour: transparent, blue (RAL 5015), black (RAL 9005)*  
*Metric connection thread EN 60423*  
*Type of protection IP 54*  
*Integrated strain relief – vibration resistant*

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|--------------------------------------------------------------|
| PVDF                                                  | Transparent                        |                                         | TPE-V                                             | Schwarz<br>Black | -20 °C / +100 °C                                             |
| PVDF                                                  | Blau<br>Blue                       | a                                       | TPE-V                                             | Schwarz<br>Black | -20 °C / +100 °C                                             |
| PVDF                                                  | Schwarz<br>Black                   | n                                       | TPE-V                                             | Schwarz<br>Black | -20 °C / +100 °C                                             |

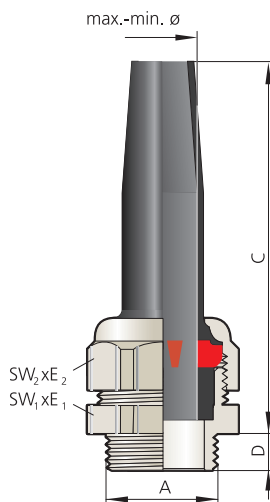


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |                   | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width                                          |    |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|-------------------|----------------------------|--------------------------------------------------------------------------|----|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |                   |                            |                                                                          |    |
|                                                     |         | Transparent =                                                |                               |                   |                            |                                                                          |    |
|                                                     |         | Blau/Blue = a                                                |                               |                   |                            |                                                                          |    |
|                                                     |         | Schwarz/Black = n                                            |                               |                   |                            |                                                                          |    |
| A                                                   | D<br>mm |                                                              |                               | max./min. ø<br>mm | C<br>mm                    | SW <sub>1</sub> x E <sub>1</sub> /SW <sub>2</sub> x E <sub>2</sub><br>mm |    |
| M16x1,5                                             | 9,0     | 21650y                                                       | Lzp 7                         | 6,5 – 4,5         | 55,0                       | 19x21,2                                                                  | 50 |
| M16x1,5                                             | 8,5     | 21651y                                                       | Lzp 9                         | 9,0 – 6,5         | 64,0                       | 22x24,5                                                                  | 50 |
| M20x1,5                                             | 9,0     | 22052y                                                       | Lzp 9                         | 9,5 – 6,5         | 72,0                       | 24x26,5                                                                  | 50 |
|                                                     |         | 22052y                                                       | Lzp11                         | 10,5 – 8,5        | 72,0                       | 24x26,5                                                                  | 50 |
|                                                     |         | 22053y                                                       | Lzp13                         | 13,0 – 9,0        | 76,0                       | 27x29,5                                                                  | 25 |
| M25x1,5                                             | 9,0     | 22553y                                                       | Lzp 9                         | 9,5 – 6,5         | 80,0                       | 29x31,5/27x29,5                                                          | 25 |
|                                                     |         | 22553y                                                       | Lzp11                         | 10,5 – 7,0        | 80,0                       | 29x31,5/27x29,5                                                          | 25 |
|                                                     |         | 22553y                                                       | Lzp13                         | 13,0 – 9,0        | 80,0                       | 29x31,5/27x29,5                                                          | 25 |
| M25x1,5                                             | 11,0    | 22554y                                                       | Lzp16                         | 15,5 – 13,0       | 80,0                       | 33x36,5                                                                  | 10 |
|                                                     |         | 22554y                                                       | Lzp18                         | 17,5 – 14,0       | 80,0                       | 33x36,5                                                                  | 10 |
|                                                     |         | 22555y                                                       | Lzp21                         | 20,0 – 17,0       | 104,0                      | 43x46                                                                    | 10 |
| M32x1,5                                             | 11,0    | 23254y                                                       | Lzp13                         | 13,0 – 9,0        | 80,0                       | 38x42/33x36,5                                                            | 10 |
|                                                     |         | 23254y                                                       | Lzp16                         | 15,5 – 13,0       | 80,0                       | 38x42/33x36,5                                                            | 10 |
|                                                     |         | 23254y                                                       | Lzp18                         | 17,5 – 14,0       | 80,0                       | 38x42/33x36,5                                                            | 10 |
|                                                     |         | 23255y                                                       | Lzp21                         | 20,0 – 17,0       | 104,0                      | 43x46                                                                    | 5  |
|                                                     |         | 23255y                                                       | Lzp25                         | 24,0 – 21,0       | 104,0                      | 43x46                                                                    | 5  |
| M40x1,5                                             | 11,5    | 24055y                                                       | Lzp21                         | 20,0 – 17,0       | 108,0                      | 46x50/43x46,5                                                            | 5  |
|                                                     |         | 24055y                                                       | Lzp25                         | 24,0 – 21,0       | 108,0                      | 46x50/43x46,5                                                            | 5  |

13500 | TT00700



## Übersichtstabelle für die UNI Dicht-Komponenten – M

Overview of UNI Dicht components – M

**Messing vernickelt, VA: 1.4305, Polycarbonat: Farbe grau (RAL 7035), PVDF: Farbe transparent, mit metr. Gewinde EN 60423, Schutzart IP 68 bis 10 bar**

Brass, nickel-plated, stainless steel: AISI 303, polycarbonate: colour grey (RAL7035), PVDF: colour transparent, with metric connecting thread EN 60423, type of protection IP 68 up to 10 bar

| Anschlussgewinde<br>Connection thread | Messing vernickelt<br>Brass, nickel-plated |                  |                  | Edelstahl 1.4305<br>Stainless steel AISI 303 |                  |                  | Polycarbonat<br>Polycarbonate |
|---------------------------------------|--------------------------------------------|------------------|------------------|----------------------------------------------|------------------|------------------|-------------------------------|
| A                                     | DS <sup>1)</sup>                           | DN <sup>1)</sup> | VK <sup>1)</sup> | DS <sup>1)</sup>                             | DN <sup>1)</sup> | VK <sup>1)</sup> | DS <sup>1)</sup>              |
| M4x0,7                                | DS 205d                                    | DN 20405d        | VK 20405d        |                                              |                  |                  |                               |
| M6x0,75                               | DS 206d                                    | DN 206d          | VK 206d          |                                              |                  |                  |                               |
| M8x1,0                                | DS 210208d                                 | DN 208210d       | VK 208210d       |                                              |                  |                  |                               |
| M10x1,0                               | DS 149d                                    | DN 21049d/1mm    | VK 21049d/1mm    | DS 149st                                     | DN 21049d/1mm    | VK 21049st/1mm   |                               |
| M10x1,5                               | DS 149d                                    | DN 21049d/1,5mm  | VK 21049d/1,5mm  |                                              |                  |                  |                               |
| M12x1,5                               | DS 149d                                    | DN 21249d *      | VK 21249d *      | DS 149st                                     | DN 21249st *     | VK 21249st *     | DS 149PC                      |
| M12x1,5                               | DS 150d                                    | DN 21250d        | VK 21250d        |                                              |                  |                  |                               |
| M16x1,5                               | DS 150d                                    | DN 21650d        | VK 21650d        | DS 150st                                     | DN 21650st       | VK 21650st       | DS 150PC                      |
| M16x1,5                               | DS 151d                                    | DN 21651d        | VK 21651d        | DS 151st                                     | DN 21651st       | VK 21651st       | DS 151PC                      |
| M20x1,5                               | DS 152d                                    | DN 22052d        | VK 22052d        | DS 152st                                     | DN 22052st       | VK 22052st       | DS 152PC                      |
| M20x1,5                               | DS 153d                                    | DN 22053d        | VK 22053d        | DS 153st                                     | DN 22053st       | VK 22053st       | DS 153PC                      |
| M25x1,5                               | DS 153d                                    | DN 22553d        | VK 22553d        | DS 153st                                     | DN 22553st       | VK 22553st       | DS 153PC                      |
| M25x1,5                               | DS 154d18                                  | DN 22554d        | VK 22554d        | DS 154st18                                   | DN 22554st       | VK 22554st       | DS 154PC                      |
| M25x1,5                               | DS 154d21                                  | DN 22554d        | VK 22554d21      | DS 154st21                                   | DN 22554st       | VK 22554st21     |                               |
| M32x1,5                               | DS 154d18                                  | DN 23254d        | VK 23254d        | DS 154st18                                   | DN 23254st       | VK 23254st       | DS 154PC                      |
| M32x1,5                               | DS 154d21                                  | DN 23254d        | VK 23254d20      | DS 154st21                                   | DN 23254st       | VK 23254st20     | DS 154PC                      |
| M32x1,5                               | DS 155d                                    | DN 23255d        | VK 23255d        | DS 155st                                     | DN 23255st       | VK 23255st       | DS 155PC                      |
| M40x1,5                               | DS 155d                                    | DN 24055d        | VK 24055d        | DS 155st                                     | DN 24055st       | VK 24055st       | DS 155PC                      |
| M40x1,5                               | DS 156d                                    | DN 24056d        | VK 24056d        | DS 156st                                     | DN 24056st       | VK 24056st       | DS 156PC                      |
| M50x1,5                               | DS 156d                                    | DN 25056d        | VK 25056d        | DS 156st                                     | DN 25056st       | VK 25056st       | DS 156PC                      |
| M50x1,5                               | DS 157d                                    | DN 25057d        | VK 25057d        | DS 157st                                     | DN 25057st       | VK 25057st       |                               |
| M63x1,5                               | DS 158d                                    | DN 26358d        | VK 26358d        | DS 158st                                     | DN 26358st       | VK 26358st       |                               |

1) Abkürzungen siehe Seite 74 bis 79 \* Dichteinsatz kurz = Art.-Nr.: Ek... \*\* Werkstoff POM (Farbe weiß), Temperaturbereich: -40 °C bis +110 °C.

1) Abbreviations see page 74 to 79 \* Sealing insert short = art. no.: Ek... \*\* Material POM (white colour), temperature range: -40 °C up to +110 °C

0 bar

| Polycarbonat<br>Polycarbonate |                  | PVDF<br>PVDF     |                  |                  | Dichteinsätze<br>Sealing inserts |             |                     |                               |
|-------------------------------|------------------|------------------|------------------|------------------|----------------------------------|-------------|---------------------|-------------------------------|
| DN <sup>1)</sup>              | VK <sup>1)</sup> | DS <sup>1)</sup> | DN <sup>1)</sup> | VK <sup>1)</sup> | TPE                              | TPE-V       | Silikon<br>silicone | TPE geschlossen<br>TPE closed |
|                               |                  |                  |                  |                  | Ek204/1,6                        |             |                     |                               |
|                               |                  |                  |                  |                  |                                  | Ek206kp 3   |                     |                               |
|                               |                  |                  |                  |                  | Ek149/ 7                         | Ek149p 7    | E 149i 7 HF/HT      | Ek149g                        |
|                               |                  |                  |                  |                  | Ek149/ 7                         | Ek149p 7    | E 149i 7 HF/HT      | Ek149g                        |
| DN 21249PC                    | VK 21249PC *     | DS 149y          | DN 21249y *      | VK 21249y *      | Ek149/ 7                         | Ek149p 7    | E 149i 7 HF/HT      | Ek149g                        |
|                               |                  |                  |                  |                  | Ek150/ 8                         | Ek150p 8    | E 150i 8 HF/HT      | Ek150g                        |
|                               |                  |                  |                  |                  | Ek150/ 9                         | Ek150p 9    | E 150i 9 HF/HT      |                               |
| DN 21650PC                    | VK 21650PC       | DS 150y          | DN 21650y        | VK 21650y        | E 150/ 7                         | E 150p 7    | E 150i 7/HT         | E 150g                        |
|                               |                  |                  |                  |                  | E 150/ 8                         | E 150p 8    | E 150i 8/HT         |                               |
|                               |                  |                  |                  |                  | E 150/ 9                         | E 150p 9    | E 150i 9/HT         |                               |
| DN 21651PC                    | VK 21651PC       | DS 151y          | DN 21651y        | VK 21651y        | Ek151/ 9                         | Ek151p 9    | E 151i 9 HF/HT      | Ek151g                        |
|                               |                  |                  |                  |                  | Ek151/11                         | Ek151p11    | E 151i11 HF/HT      |                               |
| DN 22052PC                    | VK 22052PC *     | DS 152y          | DN 22052y *      | VK 22052y *      | E 152/ 7                         | E 152p 7    | E 152i 7/HT         | E 152g                        |
|                               |                  |                  |                  |                  | E 152/ 8                         | E 152p 8    | E 152i 8/HT         |                               |
|                               |                  |                  |                  |                  | E 152/ 9                         | E 152p 9    | E 152i 9/HT         |                               |
|                               |                  |                  |                  |                  | E 152/11                         | E 152p11    | E 152i11/HT         |                               |
|                               |                  |                  |                  |                  | E 152/13                         | E 152p13    | E 152i13/HT         |                               |
| DN 22053PC                    | VK 22053PC       | DS 153y          | DN 22053y        | VK 22053y        | Ek153/11                         | Ek153p11    | E 153i11 HF/HT      | Ek153g                        |
|                               |                  |                  |                  |                  | Ek153/13                         | Ek153p13    | E 153i13 HF/HT      |                               |
|                               |                  |                  |                  |                  | Ek153/16                         | Ek153p16    | E 153i16 HF/HT      |                               |
| DN 22553PC                    | VK 22553PC       | DS 153y          | DN 22553y        | VK 22553y        | E 153/ 7                         | E 153p 7    | E 153i 7/HT         | E 153g                        |
|                               |                  |                  |                  |                  | E 153/ 8                         | E 153p 8    | E 153i 8/HT         |                               |
|                               |                  |                  |                  |                  | E 153/ 9                         | E 153p 9    | E 153i 9/HT         |                               |
|                               |                  |                  |                  |                  | E 153/11                         | E 153p11    | E 153i11/HT         |                               |
|                               |                  |                  |                  |                  | E 153/13                         | E 153p13    | E 153i13/HT         |                               |
|                               |                  |                  |                  |                  | E 153/16                         | E 153p16    | E 153i16/HT         |                               |
| DN 22554PC                    | VK 22554PC       | DS 154y          | DN 22554y        | VK 22554y        | Ek154/13                         | Ek154p13    | E 154i13 HF/HT      | Ek154g                        |
|                               |                  |                  |                  |                  | Ek154/16                         | Ek154p16    | E 154i16 HF/HT      |                               |
|                               |                  |                  |                  |                  | Ek154/18                         | Ek154p18    | E 154i18 HF/HT      |                               |
|                               |                  | DS 154y          | DN 22554y        | VK 22554y        | Ek154/20                         | Ek154p20    | E 154i20 HF/HT      | Ek154g                        |
| DN 23254PC                    | VK 23254PC       | DS 154y          | DN 23254y        | VK 23254y        | E 154/11                         | E 154p11    | E 154i11/HT         | E 154g                        |
|                               |                  |                  |                  |                  | E 154/13                         | E 154p13    | E 154i13/HT         |                               |
|                               |                  |                  |                  |                  | E 154/16                         | E 154p16    | E 154i16/HT         |                               |
|                               |                  |                  |                  |                  | E 154/18                         | E 154p18    | E 154i18/HT         |                               |
| DN 23254PC                    | VK 23254PC       | DS 154y          | DN 23254y        | VK 23254y        | E 154/20                         | E 154p20    | E 154i20/HT         | E 154g                        |
| DN 23255PC                    | VK 23255PC       | DS 155y          | DN 23255y        | VK 23255y        | Ek155/18                         | Ek155p18    | E 155i18 HF/HT      | Ek155g                        |
|                               |                  |                  |                  |                  | Ek155/20                         | Ek155p20    | E 155i20 HF/HT      |                               |
|                               |                  |                  |                  |                  | Ek155/25                         | Ek155p25    | E 155i25 HF/HT      |                               |
|                               |                  |                  |                  |                  | Ek155/28                         | Ek155p28    | E 155i28 HF/HT      |                               |
| DN 24055PC                    | VK 24055PC       | DS 155y          | DN 24055y        | VK 24055y        | E 155/16                         | E 155p16    | E 155i16/HT         | E 155g                        |
|                               |                  |                  |                  |                  | E 155/18                         | E 155p18    | E 155i18/HT         |                               |
|                               |                  |                  |                  |                  | E 155/20                         | E 155p20    | E 155i20/HT         |                               |
|                               |                  |                  |                  |                  | E 155/25                         | E 155p25    | E 155i25/HT         |                               |
|                               |                  |                  |                  |                  | E 155/28                         | E 155p28    | E 155i28/HT         |                               |
| DN 24056PC                    | VK 24056PC       | DS 156y          | DN 24056y        | VK 24056y        | Ek156/32                         | Ek156p32    | E 156i32 HF/HT      | Ek156g                        |
|                               |                  |                  |                  |                  | Ek156/34                         | Ek156p34    | E 156i34 HF/HT      |                               |
|                               |                  |                  |                  |                  | Ek156/36                         | Ek156p36    | E 156i36 HF/HT      |                               |
| DN 25056PC                    | VK 25056PC       | DS 156y          | DN 25056y        | VK 25056y        | E 156/32                         | E 156p32    | E 156i32/HT         | E 156g                        |
|                               |                  |                  |                  |                  | E 156/34                         | E 156p34    | E 156i34/HT         |                               |
|                               |                  |                  |                  |                  | E 156/36                         | E 156p36    | E 156i36/HT         |                               |
|                               |                  | DS 157p **       | DN 25057p **     | VK 25057y **     | E 157/40 HF                      | E 157p40 HF |                     | Ek157g                        |
|                               |                  | DS 158p **       | DN 26358p **     | VK 26358y **     | E 158/44                         | E 158p44    |                     | E 158g                        |

## Die bewährte UNI Dicht – Pg

*Tried and tested: UNI Dicht – Pg*



Abb. 1 – UNI Zug Dicht-Kabelverschraubung  
Fig. 1 – UNI Dicht Strain relief cable gland

Abb. 2 – UNI Mehrfach mit geteiltem Dichteinsatz für konfektionierte Kabel  
Fig. 2 – UNI Multiple with split sealing insert for pre-assembled cables

### Anwendungsorientierte Individualität

Das PFLITSCH-Kabelverschraubungssystem UNI Dicht erfüllt mit seiner Typenvielfalt viele weltweite Anforderungen für Kabel- und Leitungseinführungen. EMV- und Ex-Schutz, Lösungen für das Einführen von Flach- und Sonderkabeln (z. B. ASi-Bus) oder konfektionierten Kabeln durch geteilte Dichteinsätze oder mehrere Leitungen durch eine Mehrfach-Kabelverschraubung sind ebenso vorhanden wie Winkel- und Flanschverschraubungen. Auch Kombinationen mit Wellrohren und Schutzschläuchen für einen umfassenden mechanischen Kabelschutz sind möglich.

### Individualität in Metall und Kunststoff

Die UNI Dicht-Kabelverschraubung besteht aus einem Verschraubungskörper und einem entsprechenden Dichteinsatz. Aus diesen Systemteilen stellt sich der Anwender seine individuelle Verschraubung zusammen – passend zu Einsatzbedingungen, Kabeldurchmessern, Umgebungstemperaturen, Anzahl der Kabel usw. Das ist Individualität in Serienqualität!

UNI Dicht gibt es in den aktuellen Größen Pg 7 bis Pg 48, weiterhin aber auch mit den gängigen M-Gewinden und mit internationalen Sondergewinden wie NPT oder Zoll. Die Verschraubungskörper sind verfügbar in den Metallen Messing, Zink, Edelstahl, Aluminium und in den Kunststoffen PVDF und Polycarbonat. Die Dichteinsätze fertigt PFLITSCH aus den hochwertigen Materialien TPE, TPE-V und Silikon. Diese thermoplastischen Elastomere (TPE + TPE-V) und das Silikon sind resistent gegen Chemikalien und sorgen für eine verbesserte Zugentlastung, da sie z. B. in Kontakt mit Schneidölen, ihr Volumen leicht vergrößern. Darüber hinaus erfüllen die Verschraubungen serienmäßig hohe Schutzarten bis zu IP 68 (bis 10 bar) bzw. IP 69.

### Baukastensystem für alle Anforderungen

Entsprechend den Einsatzanforderungen kann der Anwender seine individuelle Kabelverschraubung zusammenstellen: Ein bestimmtes Anschlussgewinde, Biegeschutz, erhöhte Zugentlastung, Winkelverschraubungen, Abdichtung von Flachkabeln, geteilte Dichteinsätze für konfektionierte Kabel oder die Kombination mit Schläuchen oder Wellrohren sind im System einfach zu realisieren. Sind vorhandene Bohrungen zu klein, hilft UNI Dicht in der erweiterten Bauform. Auch das „Lochen nach Wunsch“ ist auf Anfrage möglich.

### Application-oriented individuality

With its multiplicity of types, the PFLITSCH cable gland system UNI Dicht fulfils all the EU requirements for line and cable entries. Solutions for EMC and explosion protection, insertion of flat and special cables (e.g. ASi-Bus) or pre-assembled cables through divided sealing inserts or several – even different – lines by a multiple gland can be realised, as well as angle and flange glands. Combinations with corrugated pipes and protective hoses for comprehensive mechanical cable protection are possible.

### Individuality in metal and plastic

The UNI Dicht gland comprises a gland body and an individual sealing insert. Users assemble their individual gland from these system parts in order to meet their conditions of application, the cable diameters, ambient temperatures, number of cables, etc. This is individuality in serial quality!

UNI Dicht currently comes in the sizes Pg 7 to Pg 48, as well as in the well-established M threads and with international special threads such as NPT or inch. The system is available in the metals brass, zinc, stainless steel and aluminium, and in the plastics PVDF and polycarbonate. PFLITSCH produces the sealing inserts from high-grade TPE, TPE-V and silicone. These thermoplastic elastomers (TPE + TPE-V) and the silicone are resistant to many modern chemicals and make for improved strain relief, since volume increases slightly on contact with liquids, for example cutting oil. Furthermore, the cable glands achieve a high protection rating of up to IP 68 (up to 10 bar) or IP 69 as standard.

### Modular system for all requirements

Users can fit their individual cable gland to meet the application requirements: Another connecting thread, bending protection, increased strain relief, angle glands, sealing of flat cables, split sealing inserts for pre-assembled cables or the combination with hoses or corrugated pipes are simple to achieve in the system. Should existing boreholes be a little too small, UNI Dicht will help in the extended configuration. Customised perforations are also available on request.



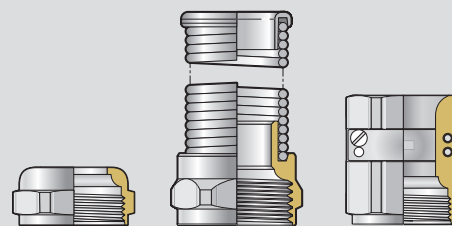
Abb. 1 – Kabelverschraubung mit geschlossenem Dichteinsatz  
Fig. 1 – Cable gland with closed sealing insert

Abb. 2 – UNI Biegeschutz Dicht-Kabelverschraubung  
Fig. 2 – UNI Dicht Bending protection cable gland

## Das PFLITSCH-System UNI Dicht Pg Systemteile/Seitenübersicht

The PFLITSCH system  
UNI Dicht Pg  
System parts/Page reference

**DS = Druckschraube**  
DS = pressure screw



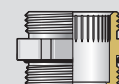
| Werkstoff<br>Material         | Standard<br>Standard          | UNI Flex<br>UNI Flex  | UNI Klemm<br>UNI Clamping     |
|-------------------------------|-------------------------------|-----------------------|-------------------------------|
| Messing<br>Brass              | Seite 144<br>Page 144         | Seite 184<br>Page 184 | Seite 179-180<br>Page 179-180 |
| Edelstahl<br>Stainless steel  | Seite 145-146<br>Page 145-146 |                       |                               |
| Polycarbonat<br>Polycarbonate | Seite 147<br>Page 147         |                       |                               |
| PVDF<br>PVDF                  | Seite 148-149<br>Page 148-149 |                       |                               |

**E = Dichteinsatz**  
E = sealing insert



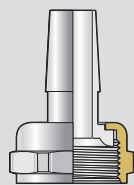
| Werkstoff<br>Material | Standard<br>Standard          | Erweitert kurz<br>Extended short | Erhöhte<br>Zugentlastung<br>Increased strain<br>relief | EMV HF<br>EMC HF              | EMV Konus<br>EMC cone         | Mehrfach<br>Form N<br>Multiple form N |
|-----------------------|-------------------------------|----------------------------------|--------------------------------------------------------|-------------------------------|-------------------------------|---------------------------------------|
| TPE<br>TPE            | Seite 144-149<br>Page 144-149 | Seite 152-154<br>Page 152-154    | Seite 176-178<br>Page 176-178                          | Seite 233-235<br>Page 233-235 | Seite 252-253<br>Page 252-253 | Seite 158-163<br>Page 158-163         |
| TPE-V<br>TPE-V        | Seite 144-149<br>Page 144-149 | Seite 152-154<br>Page 152-154    | Seite 176-178<br>Page 176-178                          | Seite 233-235<br>Page 233-235 | Seite 252-253<br>Page 252-253 | Seite 158-163<br>Page 158-163         |
| Silikon<br>Silicone   | Seite 144-149<br>Page 144-149 | Seite 152-154<br>Page 152-154    |                                                        | Seite 233-235<br>Page 233-235 | Seite 252<br>Page 252         |                                       |

**DN = Doppelnippel**  
DN = double nipple



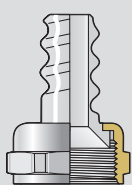
| Werkstoff<br>Material         | Gewindelänge<br>Standard<br>Standard thread<br>length |
|-------------------------------|-------------------------------------------------------|
| Messing<br>Brass              | Seite 144<br>Page 144                                 |
| Edelstahl<br>Stainless steel  | Seite 145-146<br>Page 145-146                         |
| Polycarbonat<br>Polycarbonate | Seite 147<br>Page 147                                 |
| PVDF<br>PVDF                  | Seite 148-149<br>Page 148-149                         |
| Zink<br>Zinc                  |                                                       |

**DS & DN = VK (Verschraubungskörper)**  
DS & DN = VK (gland body)



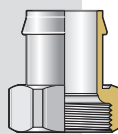
**Glatte Schläuche dünnwandig**  
*Plain, thin-walled hoses*

Auf Anfrage  
*On request*



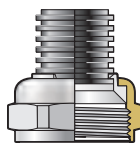
**UL-Schlauch**  
*UL hose*

Seite 422  
*Page 422*



**Glatte Schläuche**  
*Plain hose*

Seite 424-425  
*Page 424-425*



**UNI Wellrohr**  
*UNI corrugated conduit*

Seite 407  
*Page 407*

Auf Anfrage  
*On request*

Auf Anfrage  
*On request*

Seite 426  
*Page 426*

Auf Anfrage  
*On request*

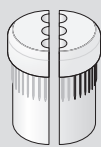
Seite 423  
*Page 423*

Auf Anfrage  
*On request*



**Mehrfach Form E**  
*Multiple form E*

Seite 158-163  
*Page 158-163*



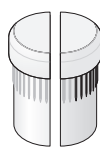
**Mehrfach geteilt**  
*Multiple split version*

Seite 165-166  
*Page 165-166*



**Geschlossen**  
*Closed*

Seite 164  
*Page 164*



**Geschlossen – geteilt**  
*Closed – split version*

Seite 165-166  
*Page 165-166*



**Flachkabel**  
*Flat cable*

Seite 169-173  
*Page 169-173*



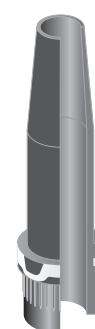
**ASi-Bus-Kabel**  
*ASi-Bus cable*

Seite 167-168  
*Page 167-168*



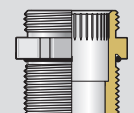
**Biegeschutz**  
*Bending protection*

Seite 181-183  
*Page 181-183*



**Biegeschutz/erhöhte Zugentlastung**  
*Bending protection incl. strain relief*

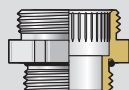
Seite 185-187  
*Page 185-187*



**Gewindelänge lang**  
*Long thread length*

Seite 144  
*Page 144*

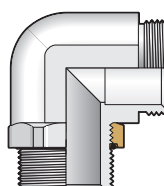
Seite 145-146  
*Page 145-146*



**Form E erweitert**  
*Form E extended*

Seite 152  
*Page 152*

Seite 153  
*Page 153*



**Winkel**  
*Angle*

Seite 370,371  
*Page 370,371*

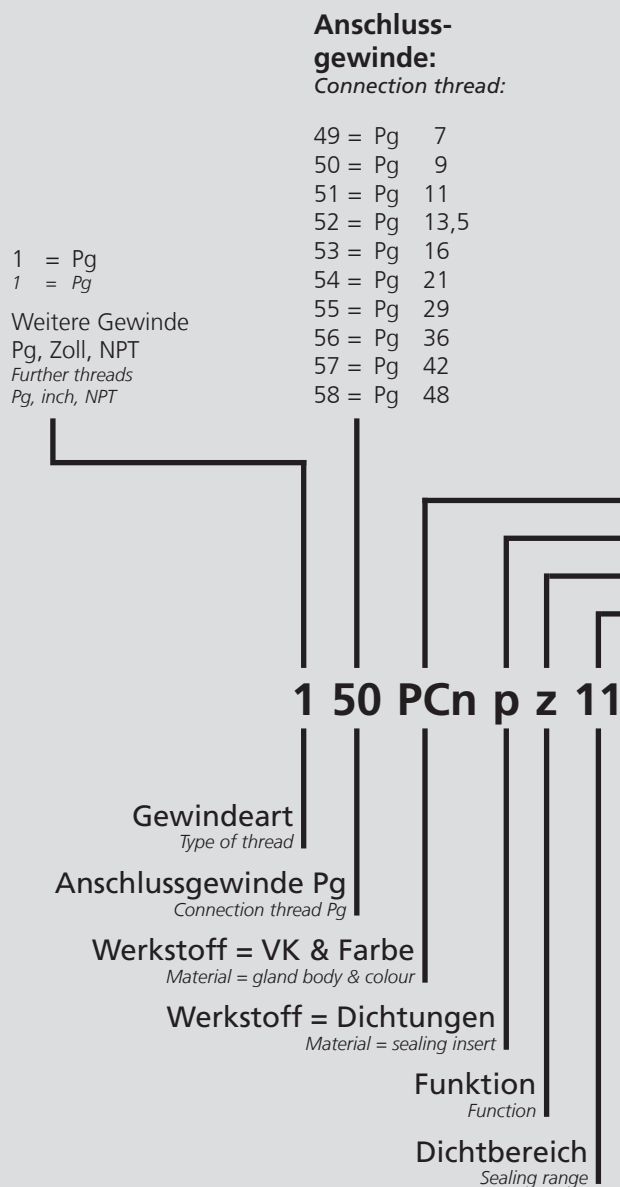
Auf Anfrage  
*On request*

Seite 154  
*Page 154*

Seite 369  
*Page 369*

## Das PFLITSCH-System UNI Dicht Pg Aufbau der Artikelnummern

*The PFLITSCH system  
UNI Dicht Pg  
Article number structure*



## Werkstoffe

### Verschraubungskörper:

*Materials gland body:*

d = Messing vernickelt  
*brass, nickel plated*

st = VA (1.4305)  
*AISI 303*

PC = Polycarbonat  
*polycarbonate*

PCn = Polycarbonat  
*polycarbonate*      Farbe schwarz  
*Colour black*

PCw = Polycarbonat  
*polycarbonate*      Winkel  
*Angle*

y = PVDF      Farbe transparent  
*Colour transparent*

ya = PVDF      Farbe blau  
*Colour blue*

yn = PVDF      Farbe schwarz  
*Colour black*

VW = Zink  
*zinc*      Winkel  
*Angle*

## Werkstoffe

### Dichtungen:

*Materials  
sealing inserts:*

- = TPE

p = TPE-V

H = Silikon  
*silicone*

## Funktion:

*Function:*

- = Standard-Dichteinsatz  
*standard sealing insert*

z = Zugentlastung  
*strain relief*

e = Entstörung  
*interference suppression*

ez = Entstörung & Zugentlastung  
*interference suppression  
& strain relief*

L = Biegeschutz  
*bending protection*

Lz = Biegeschutz & Zugentlastung  
*bending protection  
& strain relief*

m = Mehrfach  
*multiple*

mK = Multifunktion (Stecker)  
*multifunction (connector)*

s = Schlauch  
*hose*

f....g = flach gerundet  
*flat rounded*

f....v = flach oval  
*flat oval*

f....e = flach eckig  
*flat angular*

F = Flex  
*flex*

W = Wellrohr  
*corrugated*

UL = Schlauchverschraubung  
*UL hose*

g = geschlossen  
*closed*

B = Brandschutz  
*fire protection*

## Dichtbereich:

*Sealing range:*

7 = 6,5 - 4,0

8 = 8,0 - 5,0

9 = 9,5 - 6,5

11 = 10,5 - 7,0

13 = 13,0 - 9,0

16 = 15,5 - 11,5

18 = 18,0 - 14,0

20 = 20,5 - 17,0

25 = 25,0 - 20,0

28 = 28,0 - 24,0

32 = 32,0 - 27,0

34 = 34,0 - 29,0

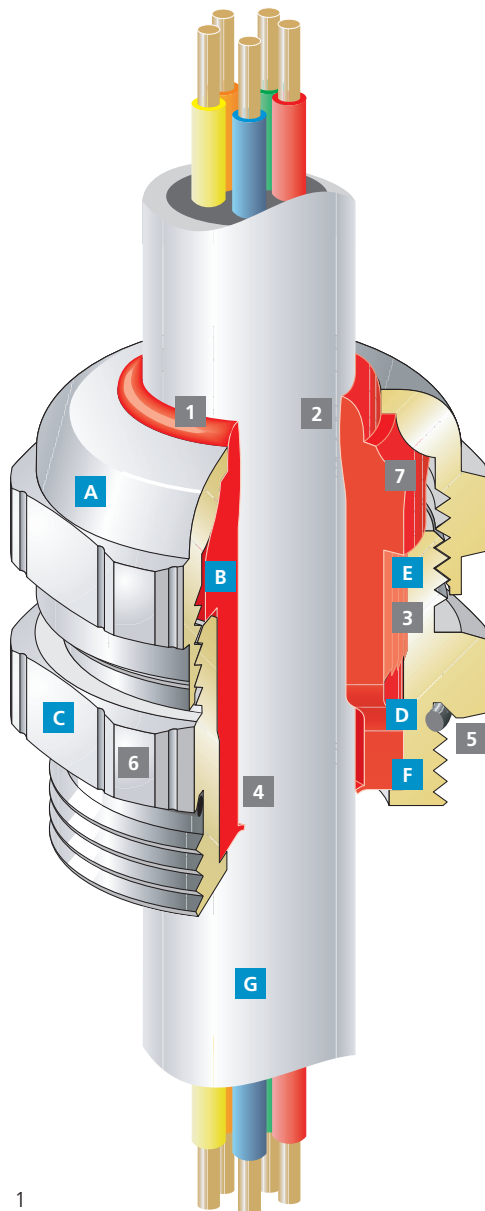
36 = 36,0 - 32,0

40 = 40,0 - 36,0

44 = 44,0 - 39,0

## Das PFLITSCH-System UNI Dicht – Komponenten

*The PFLITSCH system  
UNI Dicht –  
components*



1

Abb. 1 – Querschnitt einer UNI Dicht-Kabelverschraubung  
Fig. 1 – Cross-section of a UNI Dicht cable gland

### Komponenten:

*Components:*

- A** Druckschraube (DS)  
*Pressure screw (DS)*
- Messing, galvanisch vernickelt  
*- Brass, galvanic nickel-plated*
  - Edelstahl (1.4305)  
*- Stainless steel (AISI 303)*
  - Edelstahl (1.4571)  
*- Stainless steel (AISI 316 Ti)*
  - Polycarbonat (PC)  
*- Polycarbonate (PC)*
  - PVDF  
*- PVDF*

- B** Dichteinsatz (E)  
*Sealing insert (E)*
- TPE  
*- TPE*
  - TPE-V  
*- TPE-V*
  - Silikon  
*- Silicone*

- C** Doppelnippel (DN)  
*Double nipple (DN)*
- Messing, galvanisch vernickelt  
*- Brass, galvanic nickel-plated*
  - Edelstahl (1.4305)  
*- Stainless steel (AISI 303)*
  - Edelstahl (1.4571)  
*- Stainless steel (AISI 316 Ti)*
  - Polycarbonat (PC)  
*- Polycarbonate (PC)*
  - PVDF  
*- PVDF*

- D** O-Ring  
*O-ring*  
Bei metallischen DN  
*With metallic DN*
- Kautschuk (HNBR)  
*- Rubber (HNBR)*
  - Silikon  
*- Silicone*

- E** Kopfgewinde  
*Head thread*
- Standard  
*- Standard*
  - Erweitert  
*- Extended*
  - Reduziert (auf Anfrage)  
*- Reduced (on request)*

- F** Anschlussgewinde  
*Connection thread*
- Metrisch  
*- Metric*
  - Pg  
*- Pg*
  - NPT  
*- NPT*
  - Zoll  
*- Inch*
  - Standard/Lang  
*- Standard/long*

- G** Kabel  
*Cable*

### Vorteile:

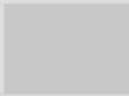
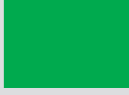
#### Advantages:

- 1** - Kein stehendes Wasser  
- No standing water  
- IP 68 bis 10 bar zum Kabel und zur Druckschraube  
- IP 68 up to 10 bar to the cable and pressure screw
- 2** - Radialsymmetrisch weiche Kabelpressung  
- Radially symmetrical soft cable pressing  
- Großflächige Zugentlastung  
- Large-area strain relief  
- Keine Beschädigung des Kabels  
- No damage to the cable
- 3** - Verdreherschutz durch Rändelung am Doppelnippel (DN) und Dichteinsatz (E)  
- Protection against distortion by knurling on the double nipple (DN) and sealing insert (E)  
- Kein Verdrehen des Kabels bei Montage/Demontage  
- No cable twisting in assembly/disassembly
- 4** - IP 54 durch Membrane am Dichteinsatz ohne Anziehen der Druckschraube (DS)  
- IP 54 through diaphragms on the sealing insert without the pressure screw (DS) tightened up
- 5** - Nutgeführter O-Ring sichert Abdichtung zur Gehäusewandung  
- Groove-guided o-ring secures sealing to the housing wall
- 6**  Kennzeichnung unserer Qualität: zwölf Riefen – das PFLITSCH-Warenzeichen  
- Marking of our quality: Twelve grooves – the PFLITSCH trademark
- 7** - Farbcodierung der TPE-Dichteinsätze (E), dadurch direkte Zuordnung und Überprüfung der Dichteinsätze zu den verwendeten Kabeldurchmessern  
- Colour coding of the TPE sealing inserts (E), thereby enabling direct assignment and checking of the sealing inserts for the cable diameters used



### UNI-Farbcode (FC) für TPE-Dichteinsätze

#### UNI colour code (CC) for TPE sealing inserts

|                                                                                     | Farbcode FC<br>Colour code CC   | Dichtbereich<br>Sealing range<br>max./min. Ø | Anschlussgewinde<br>Connection thread                           |
|-------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------|-----------------------------------------------------------------|
|    | <b>Gelb</b><br>Yellow           | (ge) 6,5 – 4,0                               | M10, M12, M16, M20, M25<br>Pg 7, Pg 9, Pg 11, Pg 13,5,<br>Pg 16 |
|    | <b>Grau</b><br>Grey             | (gu) 8,0 – 5,0                               | M12, M16, M20, M25<br>Pg 9, Pg 11, Pg 13,5, Pg 16               |
|    | <b>Schwarz</b><br>Black         | (sw) 9,5 – 6,5                               | M12, M16, M20, M25<br>Pg 9, Pg 11, Pg 13,5, Pg 16               |
|    | <b>Grün</b><br>Green            | (gr) 10,5 – 7,0                              | M16, M20, M25, M32<br>Pg 11, Pg 13,5, Pg 16, Pg 21              |
|   | <b>Rot</b><br>Red               | (rt) 13,0 – 9,0                              | M16, M20, M25, M32<br>Pg 9, Pg 13,5, Pg 16, Pg 21               |
|  | <b>Weiß</b><br>White            | (ws) 15,5 – 11,5                             | M20, M25, M32, M40<br>Pg 16, Pg 21, Pg 29                       |
|  | <b>Blau</b><br>Blue             | (bl) 18,0 – 14,0                             | M20, M25, M32, M40<br>Pg 16, Pg 21, Pg 29                       |
|  | <b>Braun</b><br>Brown           | (br) 20,5 – 17,0                             | M20, M25, M32, M40<br>Pg 13,5, Pg 16, Pg 21, Pg 29              |
|  | <b>Orange</b><br>Orange         | (or) 25,0 – 20,0                             | M32, M40<br>Pg 16, Pg 21, Pg 29                                 |
|  | <b>Hellgelb</b><br>Light yellow | (hg) 28,0 – 24,0                             | M32, M40<br>Pg 16, Pg 21, Pg 29                                 |
|  | <b>Anthrazit</b><br>Anthracite  | (an) 32,0 – 27,0                             | M32, M40, M50<br>Pg 21, Pg 29, Pg 36                            |
|  | <b>Hellblau</b><br>Light blue   | (hb) 34,0 – 29,0                             | M32, M40, M50<br>Pg 21, Pg 29, Pg 36                            |
|  | <b>Rosa</b><br>Pink             | (rs) 36,0 – 32,0                             | M32, M40, M50<br>Pg 21, Pg 29, Pg 36                            |
|  | <b>Weiß</b><br>White            | (ws) 40,0 – 36,0                             | M50<br>Pg 36, Pg 42                                             |
|  | <b>Weiß</b><br>White            | (ws) 44,0 – 39,0                             | M63<br>Pg 48                                                    |

# UNI Dicht Pg-Kabelverschraubung

UNI Dicht Pg cable gland



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt**  
**Pg-Anschlussgewinde**  
**Mit O-Ring HNBR**  
**Schutzart IP 68 bis 10 bar**  
**Zugentlastung bis Klasse A, EN 62444**

Brass, nickel-plated  
Pg connection thread  
With o-ring HNBR  
Type of protection IP 68 up to 10 bar  
Strain relief up to class A, EN 62444



**Gewinde-Varianten:** Standard-Maß D  
Thread variants: 15 mm Länge  
Standard size D 15 mm length  
= Art.-Nr. 15...  
= Art.-Nr. 18...  
= art. no. 15...  
= art. no. 18...

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE                                               | s. FC<br>s. CC   | d                                       | -40 °C / +130 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -55 °C / +200 °C                                             |

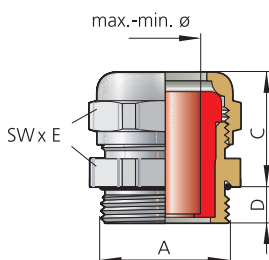


Abb. 3  
Fig. 3

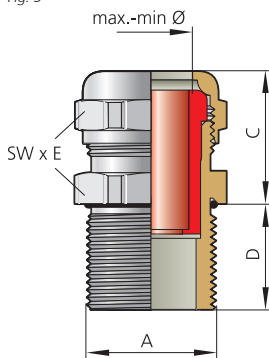


Abb. 4 – Ausführung lang/D = 15 mm  
Fig. 4 – Longer execution/D = 15 mm

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |                   | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width |    |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|-------------------|----------------------------|---------------------------------|----|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |                   |                            |                                 |    |
|                                                     |         | TPE                                                          | = d                           |                   |                            |                                 |    |
|                                                     |         | TPE-V                                                        | = p                           |                   |                            |                                 |    |
|                                                     |         | Silikon HT/Silicone HT                                       | = H                           |                   |                            |                                 |    |
| A                                                   | D<br>mm |                                                              |                               | max./min. Ø<br>mm | C<br>mm                    | SW x E<br>mm                    |    |
| Pg 7                                                | 5,0     | 149                                                          | 7                             | 6,5 – 4,0         | 20,0                       | 14x15,5                         | 50 |
| Pg 9                                                | 6,0     | 150                                                          | 7                             | 6,5 – 4,0         | 20,0                       | 17x18,9                         | 50 |
|                                                     |         | 150                                                          | 8                             | 8,0 – 5,0         | 20,0                       | 17x18,9                         | 50 |
|                                                     |         | 150                                                          | 9                             | 9,5 – 6,5         | 20,0                       | 17x18,9                         | 50 |
| Pg 11                                               | 6,0     | 151                                                          | 7                             | 6,5 – 4,0         | 20,0                       | 20x22,2                         | 50 |
|                                                     |         | 151                                                          | 8                             | 8,0 – 5,0         | 20,0                       | 20x22,2                         | 50 |
|                                                     |         | 151                                                          | 9                             | 9,5 – 6,5         | 20,0                       | 20x22,2                         | 50 |
|                                                     |         | 151                                                          | 11                            | 10,5 – 7,0        | 20,0                       | 20x22,2                         | 50 |
| Pg 13,5                                             | 6,5     | 152                                                          | 7                             | 6,5 – 4,0         | 21,0                       | 22x24,4                         | 50 |
|                                                     |         | 152                                                          | 8                             | 8,0 – 5,0         | 21,0                       | 22x24,4                         | 50 |
|                                                     |         | 152                                                          | 9                             | 9,5 – 6,5         | 21,0                       | 22x24,4                         | 50 |
|                                                     |         | 152                                                          | 11                            | 10,5 – 7,0        | 21,0                       | 22x24,4                         | 50 |
|                                                     |         | 152                                                          | 13                            | 13,0 – 9,0        | 21,0                       | 22x24,4                         | 50 |
| Pg 16                                               | 6,5     | 153                                                          | 7                             | 6,5 – 4,0         | 21,0                       | 24x26,7                         | 50 |
|                                                     |         | 153                                                          | 8                             | 8,0 – 5,0         | 21,0                       | 24x26,7                         | 50 |
|                                                     |         | 153                                                          | 9                             | 9,5 – 6,5         | 21,0                       | 24x26,7                         | 50 |
|                                                     |         | 153                                                          | 11                            | 10,5 – 7,0        | 21,0                       | 24x26,7                         | 50 |
|                                                     |         | 153                                                          | 13                            | 13,0 – 9,0        | 21,0                       | 24x26,7                         | 50 |
| Pg 21                                               | 7,0     | 154                                                          | 11                            | 10,5 – 7,0        | 25,0                       | 30x33,5                         | 25 |
|                                                     |         | 154                                                          | 13                            | 13,0 – 9,0        | 25,0                       | 30x33,5                         | 25 |
|                                                     |         | 154                                                          | 16                            | 15,5 – 11,5       | 25,0                       | 30x33,5                         | 25 |
|                                                     |         | 154                                                          | 18                            | 18,0 – 14,0       | 25,0                       | 30x33,5                         | 25 |
|                                                     |         | 154                                                          | 20                            | 20,5 – 17,0       | 25,0                       | 30x33,5                         | 25 |
| Pg 29                                               | 8,0     | 155                                                          | 13 *                          | 13,0 – 9,0        | 28,0                       | 40x43,5                         | 10 |
|                                                     |         | 155                                                          | 16                            | 15,5 – 11,5       | 28,0                       | 40x43,5                         | 10 |
|                                                     |         | 155                                                          | 18                            | 18,0 – 14,0       | 28,0                       | 40x43,5                         | 10 |
|                                                     |         | 155                                                          | 20                            | 20,5 – 17,0       | 28,0                       | 40x43,5                         | 10 |
|                                                     |         | 155                                                          | 25                            | 25,0 – 20,0       | 28,0                       | 40x43,5                         | 10 |
|                                                     |         | 155                                                          | 28                            | 28,0 – 24,0       | 28,0                       | 40x43,5                         | 10 |
| Pg 36                                               | 9,0     | 156                                                          | 32                            | 32,0 – 27,0       | 28,0                       | 50x54                           | 10 |
|                                                     |         | 156                                                          | 34                            | 34,0 – 29,0       | 28,0                       | 50x54                           | 10 |
|                                                     |         | 156                                                          | 36                            | 36,0 – 32,0       | 28,0                       | 50x54                           | 10 |
| Pg 42                                               | 10,0    | 157                                                          | 36 *                          | 36,0 – 32,0       | 30,0                       | 57x61                           | 5  |
|                                                     |         | 157                                                          | 40 *                          | 40,0 – 36,0       | 30,0                       | 57x61                           | 5  |
| Pg 48                                               | 10,0    | 158                                                          | 44 *                          | 44,0 – 39,0       | 30,0                       | 64x69                           | 5  |

\* Dichteinsatz aus Silikon HT nicht lieferbar  
\* Sealing insert silicone HT not available



**Passende Gegenmuttern ab Seite 442**  
Corresponding locknuts see from page 442

# UNI Dicht Pg-Kabelverschraubung

UNI Dicht Pg cable gland

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Edelstahl 1.4305**  
**Pg-Anschlussgewinde**  
**Mit O-Ring Silikon**  
**Schutzart IP 68 bis 10 bar**  
**Zugentlastung bis Klasse A, EN 62444**

*Stainless steel AISI 303*  
*Pg connection thread*  
*With o-ring silicone*  
*Type of protection IP 68 up to 10 bar*  
*Strain relief up to class A, EN 62444*

**Anschlussgewinde mit 15 mm Länge auf Anfrage**  
*Long connection thread 15 mm on request*

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| VA 1.4305<br>AISI 303                                 | Blank                              | TPE                                               | s. FC<br>s. CC   |                                         | -40 °C / +130 °C                                             |
| VA 1.4305<br>AISI 303                                 | Blank                              | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| VA 1.4305<br>AISI 303                                 | Blank                              | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -55 °C / +200 °C                                             |

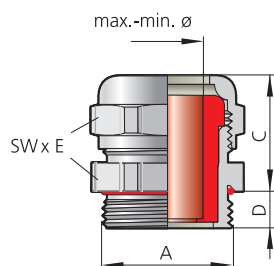


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |                   | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width |                                                                                     |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|-------------------|----------------------------|---------------------------------|-------------------------------------------------------------------------------------|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |                   |                            |                                 |                                                                                     |
| A                                                   | D<br>mm | TPE<br>TPE-V<br>Silikon HT/Silicone HT                       | =<br>=<br>= H                 | max./min. ø<br>mm | C<br>mm                    | SW x E<br>mm                    |  |
| Pg 7                                                | 5,0     | 149st                                                        | 7                             | 6,5– 4,0          | 20,0                       | 14x15,5                         | 50                                                                                  |
| Pg 9                                                | 6,0     | 150st                                                        | 7                             | 6,5– 4,0          | 20,0                       | 17x18,9                         | 50                                                                                  |
|                                                     |         | 150st                                                        | 8                             | 8,0– 5,0          | 20,0                       | 17x18,9                         | 50                                                                                  |
|                                                     |         | 150st                                                        | 9                             | 9,5– 6,5          | 20,0                       | 17x18,9                         | 50                                                                                  |
| Pg 11                                               | 6,0     | 151st                                                        | 7                             | 6,5– 4,0          | 20,0                       | 22x24,4                         | 50                                                                                  |
|                                                     |         | 151st                                                        | 8 *                           | 8,0– 5,0          | 20,0                       | 22x24,4                         | 50                                                                                  |
|                                                     |         | 151st                                                        | 9                             | 9,5– 6,5          | 20,0                       | 22x24,4                         | 50                                                                                  |
|                                                     |         | 151st                                                        | 11                            | 10,5– 7,0         | 20,0                       | 22x24,4                         | 50                                                                                  |
| Pg 13,5                                             | 6,5     | 152st                                                        | 7                             | 6,5– 4,0          | 21,0                       | 22x24,4                         | 50                                                                                  |
|                                                     |         | 152st                                                        | 8                             | 8,0– 5,0          | 21,0                       | 22x24,4                         | 50                                                                                  |
|                                                     |         | 152st                                                        | 9                             | 9,5– 6,5          | 21,0                       | 22x24,4                         | 50                                                                                  |
|                                                     |         | 152st                                                        | 11                            | 10,5– 7,0         | 21,0                       | 22x24,4                         | 50                                                                                  |
|                                                     |         | 152st                                                        | 13                            | 13,0– 9,0         | 21,0                       | 22x24,4                         | 50                                                                                  |
| Pg 16                                               | 6,5     | 153st                                                        | 7                             | 6,5– 4,0          | 21,0                       | 24x26,7                         | 50                                                                                  |
|                                                     |         | 153st                                                        | 8                             | 8,0– 5,0          | 21,0                       | 24x26,7                         | 50                                                                                  |
|                                                     |         | 153st                                                        | 9                             | 9,5– 6,5          | 21,0                       | 24x26,7                         | 50                                                                                  |
|                                                     |         | 153st                                                        | 11                            | 10,5– 7,0         | 21,0                       | 24x26,7                         | 50                                                                                  |
|                                                     |         | 153st                                                        | 13                            | 13,0– 9,0         | 21,0                       | 24x26,7                         | 50                                                                                  |
|                                                     |         | 153st                                                        | 16                            | 15,5– 11,5        | 21,0                       | 24x26,7                         | 50                                                                                  |
| Pg 21                                               | 7,0     | 154st                                                        | 11                            | 10,5– 7,0         | 26,0                       | 30x33,5                         | 25                                                                                  |
|                                                     |         | 154st                                                        | 13                            | 13,0– 9,0         | 26,0                       | 30x33,5                         | 25                                                                                  |
|                                                     |         | 154st                                                        | 16                            | 15,5– 11,5        | 26,0                       | 30x33,5                         | 25                                                                                  |
|                                                     |         | 154st                                                        | 18                            | 18,0– 14,0        | 26,0                       | 30x33,5                         | 25                                                                                  |
|                                                     |         | 154st                                                        | 20                            | 20,5– 17,0        | 26,0                       | 30x33,5                         | 25                                                                                  |
| Pg 29                                               | 8,0     | 155st                                                        | 13 *                          | 13,0– 9,0         | 28,0                       | 41x44,5                         | 10                                                                                  |
|                                                     |         | 155st                                                        | 16                            | 15,5– 11,5        | 28,0                       | 41x44,5                         | 10                                                                                  |
|                                                     |         | 155st                                                        | 18                            | 18,0– 14,0        | 28,0                       | 41x44,5                         | 10                                                                                  |
|                                                     |         | 155st                                                        | 20                            | 20,5– 17,0        | 28,0                       | 41x44,5                         | 10                                                                                  |
|                                                     |         | 155st                                                        | 25                            | 25,0– 20,0        | 28,0                       | 41x44,5                         | 10                                                                                  |
|                                                     |         | 155st                                                        | 28                            | 28,0– 24,0        | 28,0                       | 41x44,5                         | 10                                                                                  |
| Pg 36                                               | 9,0     | 156st                                                        | 32                            | 32,0– 27,0        | 28,0                       | 50x54                           | 10                                                                                  |
|                                                     |         | 156st                                                        | 34                            | 34,0– 29,0        | 28,0                       | 50x54                           | 10                                                                                  |
|                                                     |         | 156st                                                        | 36                            | 36,0– 32,0        | 28,0                       | 50x54                           | 10                                                                                  |
| Pg 42                                               | 10,0    | 157st                                                        | 36 *                          | 36,0– 32,0        | 30,0                       | 60x65                           | 5                                                                                   |
|                                                     |         | 157st                                                        | 40 *                          | 40,0– 36,0        | 30,0                       | 60x65                           | 5                                                                                   |
| Pg 48                                               | 10,0    | 158st                                                        | 44 *                          | 44,0– 39,0        | 30,0                       | 65x70                           | 5                                                                                   |

\* Dichteinsatz aus Silikon HT nicht lieferbar  
\* Sealing insert silicone HT not available

**Passende Gegenmuttern ab Seite 442**  
*Corresponding locknuts see from page 442*

# UNI Dicht Pg-Kabelverschraubung

UNI Dicht Pg cable gland

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Edelstahl 1.4571**  
**Pg-Anschlussgewinde**  
**Mit O-Ring Silikon**  
**Schutzart IP 68 bis 10 bar**  
**Zugentlastung bis Klasse A, EN 62444**

*Stainless steel AISI 316Ti*  
*Pg connection thread*  
*With o-ring silicone*  
*Type of protection IP 68 up to 10 bar*  
*Strain relief up to class A, EN 62444*

**i Anschlussgewinde mit 15 mm Länge auf Anfrage**  
*Long connection thread 15 mm on request*

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| VA 1.4571<br>AISI 316Ti                               | Blank                              | TPE                                               | s. FC<br>s. CC   |                                         | -40 °C / +130 °C                                             |
| VA 1.4571<br>AISI 316Ti                               | Blank                              | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| VA 1.4571<br>AISI 316Ti                               | Blank                              | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -55 °C / +200 °C                                             |

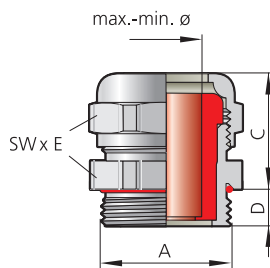


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |                 | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |             | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width |    |
|-----------------------------------------------------|-----------------|--------------------------------------------------------------|-------------------------------|-------------|----------------------------|---------------------------------|----|
|                                                     |                 | Ausführung bitte ergänzen<br>Please complete product details |                               |             |                            |                                 |    |
| <b>A</b>                                            | <b>D<br/>mm</b> | TPE =<br>TPE-V = p<br>Silikon HT/Silicone HT = H             | <b>max./min. ø<br/>mm</b>     |             | <b>C<br/>mm</b>            | <b>SW x E<br/>mm</b>            |    |
| Pg 7                                                | 5,0             | 149st                                                        | 7 V4A                         | 6,5 – 4,0   | 20,0                       | 14x15,5                         | 50 |
| Pg 9                                                | 6,0             | 150st                                                        | 7 V4A                         | 6,5 – 4,0   | 20,0                       | 17x18,9                         | 50 |
|                                                     |                 | 150st                                                        | 8 V4A                         | 8,0 – 5,0   | 20,0                       | 17x18,9                         | 50 |
|                                                     |                 | 150st                                                        | 9 V4A                         | 9,5 – 6,5   | 20,0                       | 17x18,9                         | 50 |
| Pg 11                                               | 6,0             | 151st                                                        | 7 V4A                         | 6,5 – 4,0   | 20,0                       | 22x24,4                         | 50 |
|                                                     |                 | 151st                                                        | 9 V4A                         | 8,0 – 5,0   | 20,0                       | 22x24,4                         | 50 |
|                                                     |                 | 151st                                                        | 9 V4A                         | 9,5 – 6,5   | 20,0                       | 22x24,4                         | 50 |
|                                                     |                 | 151st                                                        | 11V4A                         | 10,5 – 7,0  | 20,0                       | 22x24,4                         | 50 |
| Pg 13,5                                             | 6,5             | 152st                                                        | 7 V4A                         | 6,5 – 4,0   | 21,0                       | 22x24,4                         | 50 |
|                                                     |                 | 152st                                                        | 8 V4A                         | 8,0 – 5,0   | 21,0                       | 22x24,4                         | 50 |
|                                                     |                 | 152st                                                        | 9 V4A                         | 9,5 – 6,5   | 21,0                       | 22x24,4                         | 50 |
|                                                     |                 | 152st                                                        | 11V4A                         | 10,5 – 7,0  | 21,0                       | 22x24,4                         | 50 |
|                                                     |                 | 152st                                                        | 13V4A                         | 13,0 – 9,0  | 21,0                       | 22x24,4                         | 50 |
| Pg 16                                               | 6,5             | 153st                                                        | 7 V4A                         | 6,5 – 4,0   | 21,0                       | 24x26,7                         | 50 |
|                                                     |                 | 153st                                                        | 8 V4A                         | 8,0 – 5,0   | 21,0                       | 24x26,7                         | 50 |
|                                                     |                 | 153st                                                        | 9 V4A                         | 9,5 – 6,5   | 21,0                       | 24x26,7                         | 50 |
|                                                     |                 | 153st                                                        | 11V4A                         | 10,5 – 7,0  | 21,0                       | 24x26,7                         | 50 |
|                                                     |                 | 153st                                                        | 13V4A                         | 13,0 – 9,0  | 21,0                       | 24x26,7                         | 50 |
| Pg 21                                               | 7,0             | 154st                                                        | 11V4A                         | 10,5 – 7,0  | 26,0                       | 30x33,5                         | 25 |
|                                                     |                 | 154st                                                        | 13V4A                         | 13,0 – 9,0  | 26,0                       | 30x33,5                         | 25 |
|                                                     |                 | 154st                                                        | 16V4A                         | 15,5 – 11,5 | 26,0                       | 30x33,5                         | 25 |
|                                                     |                 | 154st                                                        | 18V4A                         | 18,0 – 14,0 | 26,0                       | 30x33,5                         | 25 |
|                                                     |                 | 154st                                                        | 20V4A                         | 20,5 – 17,0 | 26,0                       | 30x33,5                         | 25 |
| Pg 29                                               | 8,0             | 155st                                                        | 13V4A *                       | 13,0 – 9,0  | 28,0                       | 41x44,5                         | 10 |
|                                                     |                 | 155st                                                        | 16V4A                         | 15,5 – 11,5 | 28,0                       | 41x44,5                         | 10 |
|                                                     |                 | 155st                                                        | 18V4A                         | 18,0 – 14,0 | 28,0                       | 41x44,5                         | 10 |
|                                                     |                 | 155st                                                        | 20V4A                         | 20,5 – 17,0 | 28,0                       | 41x44,5                         | 10 |
|                                                     |                 | 155st                                                        | 25V4A                         | 25,0 – 20,0 | 28,0                       | 41x44,5                         | 10 |
| Pg 36                                               | 9,0             | 156st                                                        | 32V4A                         | 32,0 – 27,0 | 28,0                       | 50x54                           | 10 |
|                                                     |                 | 156st                                                        | 34V4A                         | 34,0 – 29,0 | 28,0                       | 50x54                           | 10 |
|                                                     |                 | 156st                                                        | 36V4A                         | 36,0 – 32,0 | 28,0                       | 50x54                           | 10 |
| Pg 42                                               | 10,0            | 157st                                                        | 36V4A *                       | 36,0 – 32,0 | 30,0                       | 60x65                           | 5  |
|                                                     |                 | 157st                                                        | 40V4A *                       | 40,0 – 36,0 | 30,0                       | 60x65                           | 5  |
| Pg 48                                               | 10,0            | 158st                                                        | 44V4A *                       | 44,0 – 39,0 | 30,0                       | 65x70                           | 5  |

\* Dichteinsatz aus Silikon HT nicht lieferbar  
\* Sealing insert silicone HT not available

**i Passende Gegenmuttern ab Seite 442**  
*Corresponding locknuts see from page 442*

# UNI Dicht Pg-Kabelverschraubung

UNI Dicht Pg cable gland



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

Polycarbonat, Farbe: grau (RAL 7035), schwarz (RAL 9005)

Pg-Anschlussgewinde

Schutzart IP 68 bis 10 bar

Polycarbonate, colour: grey (RAL 7035), black (RAL 9005)

Pg connection thread

Type of protection IP 68 up to 10 bar



Passende Gegenmuttern ab Seite 442

Corresponding locknuts see from page 442

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| PC                                                    | Grau<br>Grey                       | PC                                      | TPE                                               | s. FC<br>s. CC   |                                         | -20 °C / +100 °C                                             |
| PC                                                    | Grau<br>Grey                       | PC                                      | TPE-V                                             | Natur<br>Natural | p                                       | -20 °C / +100 °C                                             |
| PC                                                    | Grau<br>Grey                       | PC                                      | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -20 °C / +100 °C                                             |
| PC                                                    | Schwarz<br>Black                   | PCn                                     | TPE                                               | s. FC<br>s. CC   |                                         | -20 °C / +100 °C                                             |
| PC                                                    | Schwarz<br>Black                   | PCn                                     | TPE-V                                             | Natur<br>Natural | p                                       | -20 °C / +100 °C                                             |
| PC                                                    | Schwarz<br>Black                   | PCn                                     | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -20 °C / +100 °C                                             |

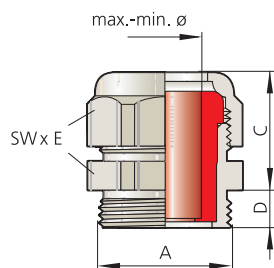


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |                                                  | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width |              |                                                                                       |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|--------------------------------------------------|----------------------------|---------------------------------|--------------|---------------------------------------------------------------------------------------|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |                                                  |                            |                                 |              |                                                                                       |
| A                                                   | D<br>mm | Grau/Grey<br>Schwarz/Black                                   | = PC<br>= PCn                 | p = TPE<br>= TPE-V<br>H = Silikon HT/Silicone HT | max./min. ø<br>mm          | C<br>mm                         | SW x E<br>mm |  |
| Pg 7                                                | 8,0     | 149                                                          |                               | 7                                                | 6,5 – 4,0                  | 23,0                            | 15x16,5      | 50                                                                                    |
| Pg 9                                                | 9,0     | 150                                                          |                               | 7                                                | 6,5 – 4,0                  | 23,0                            | 19x21,2      | 50                                                                                    |
|                                                     |         | 150                                                          |                               | 8                                                | 8,0 – 5,0                  | 23,0                            | 19x21,2      | 50                                                                                    |
|                                                     |         | 150                                                          |                               | 9                                                | 9,5 – 6,5                  | 23,0                            | 19x21,2      | 50                                                                                    |
| Pg 11                                               | 9,0     | 151                                                          |                               | 7                                                | 6,5 – 4,0                  | 24,0                            | 22x24,4      | 50                                                                                    |
|                                                     |         | 151                                                          |                               | 8 *                                              | 8,0 – 5,0                  | 24,0                            | 22x24,4      | 50                                                                                    |
|                                                     |         | 151                                                          |                               | 9                                                | 9,5 – 6,5                  | 24,0                            | 22x24,4      | 50                                                                                    |
|                                                     |         | 151                                                          |                               | 11                                               | 10,5 – 7,0                 | 24,0                            | 22x24,4      | 50                                                                                    |
| Pg 13,5                                             | 9,0     | 152                                                          |                               | 7                                                | 6,5 – 4,0                  | 24,0                            | 24x26,5      | 50                                                                                    |
|                                                     |         | 152                                                          |                               | 8                                                | 8,0 – 5,0                  | 24,0                            | 24x26,5      | 50                                                                                    |
|                                                     |         | 152                                                          |                               | 9                                                | 9,5 – 6,5                  | 24,0                            | 24x26,5      | 50                                                                                    |
|                                                     |         | 152                                                          |                               | 11                                               | 10,5 – 7,0                 | 24,0                            | 24x26,5      | 50                                                                                    |
|                                                     |         | 152                                                          |                               | 13                                               | 13,0 – 9,0                 | 24,0                            | 24x26,5      | 50                                                                                    |
| Pg 16                                               | 9,0     | 153                                                          |                               | 7                                                | 6,5 – 4,0                  | 24,0                            | 27x29,5      | 50                                                                                    |
|                                                     |         | 153                                                          |                               | 8                                                | 8,0 – 5,0                  | 24,0                            | 27x29,5      | 50                                                                                    |
|                                                     |         | 153                                                          |                               | 9                                                | 9,5 – 6,5                  | 24,0                            | 27x29,5      | 50                                                                                    |
|                                                     |         | 153                                                          |                               | 11                                               | 10,5 – 7,0                 | 24,0                            | 27x29,5      | 50                                                                                    |
|                                                     |         | 153                                                          |                               | 13                                               | 13,0 – 9,0                 | 24,0                            | 27x29,5      | 50                                                                                    |
|                                                     |         | 153                                                          |                               | 16                                               | 15,5 – 11,5                | 24,0                            | 27x29,5      | 50                                                                                    |
| Pg 21                                               | 11,0    | 154                                                          |                               | 11                                               | 10,5 – 7,0                 | 29,0                            | 33x36,5      | 25                                                                                    |
|                                                     |         | 154                                                          |                               | 13                                               | 13,0 – 9,0                 | 29,0                            | 33x36,5      | 25                                                                                    |
|                                                     |         | 154                                                          |                               | 16                                               | 15,5 – 11,5                | 29,0                            | 33x36,5      | 25                                                                                    |
|                                                     |         | 154                                                          |                               | 18                                               | 18,0 – 14,0                | 29,0                            | 33x36,5      | 25                                                                                    |
|                                                     |         | 154                                                          |                               | 20                                               | 20,5 – 17,0                | 29,0                            | 33x36,5      | 25                                                                                    |
| Pg 29                                               | 11,0    | 155                                                          |                               | 13 *                                             | 13,0 – 9,0                 | 33,0                            | 43x46,5      | 10                                                                                    |
|                                                     |         | 155                                                          |                               | 16                                               | 15,5 – 11,5                | 33,0                            | 43x46,5      | 10                                                                                    |
|                                                     |         | 155                                                          |                               | 18                                               | 18,0 – 14,0                | 33,0                            | 43x46,5      | 10                                                                                    |
|                                                     |         | 155                                                          |                               | 20                                               | 20,5 – 17,0                | 33,0                            | 43x46,5      | 10                                                                                    |
|                                                     |         | 155                                                          |                               | 25                                               | 25,0 – 20,0                | 33,0                            | 43x46,5      | 10                                                                                    |
|                                                     |         | 155                                                          |                               | 28                                               | 28,0 – 24,0                | 33,0                            | 43x46,5      | 10                                                                                    |
| Pg 36                                               | 14,0    | 156                                                          |                               | 32                                               | 32,0 – 27,0                | 33,0                            | 53x57        | 5                                                                                     |
|                                                     |         | 156                                                          |                               | 34                                               | 34,0 – 29,0                | 33,0                            | 53x57        | 5                                                                                     |
|                                                     |         | 156                                                          |                               | 36                                               | 36,0 – 32,0                | 33,0                            | 53x57        | 5                                                                                     |

\* Dichteinsatz aus Silikon HT nicht lieferbar

\* Sealing insert silicone HT not available



Schutzart IP 68 ausschließlich in Verbindung mit separat erhältlicher Flachdichtung auf Seite 468

Type of protection IP 68 only in combination with separately available flat sealing ring on page 468

# UNI Dicht Pg-Kabelverschraubung

UNI Dicht Pg cable gland



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**PVDF, Farbe: transparent, blau (RAL 5015), schwarz (RAL 9005)**  
**Pg-Anschlussgewinde**  
**Schutzart IP 68 bis 10 bar**  
**Zugentlastung bis Klasse A, EN 62444**

*PVDF, colour: transparent, blue (RAL 5015), black (RAL 9005)*  
*Pg connection thread*  
*Type of protection IP 68 up to 10 bar*  
*Strain relief up to class A, EN 62444*



**Anschlussgewinde mit 15 mm Länge auf Anfrage**  
*Long connection thread 15 mm on request*

| Werkstoff Verschraubungskörper<br><i>Material gland body</i> | Ausführung/Farbe<br><i>Version/colour</i> | Bestellschlüssel<br><i>Art. no. supplement</i> | Werkstoff Dichteinsatz<br><i>Material sealing insert</i> | Farbe<br><i>Colour</i>  | Bestellschlüssel<br><i>Art. no. supplement</i> | Temperaturbereich min./max.<br><i>Temperature range (min./max.)</i> |
|--------------------------------------------------------------|-------------------------------------------|------------------------------------------------|----------------------------------------------------------|-------------------------|------------------------------------------------|---------------------------------------------------------------------|
| PVDF                                                         | Transparent                               |                                                | TPE                                                      | s. FC<br>s. CC          |                                                | -40 °C / +130 °C                                                    |
| PVDF                                                         | Transparent                               |                                                | TPE-V                                                    | Natur<br><i>Natural</i> | p                                              | -40 °C / +135 °C                                                    |
| PVDF                                                         | Transparent                               |                                                | Silikon HT<br><i>Silicone HT</i>                         | Schwarz<br><i>Black</i> | H                                              | -40 °C / +150 °C                                                    |
| PVDF                                                         | Blau<br><i>Blue</i>                       | a                                              | TPE                                                      | s. FC<br>s. CC          |                                                | -40 °C / +130 °C                                                    |
| PVDF                                                         | Blau<br><i>Blue</i>                       | a                                              | TPE-V                                                    | Natur<br><i>Natural</i> | p                                              | -40 °C / +135 °C                                                    |
| PVDF                                                         | Blau<br><i>Blue</i>                       | a                                              | Silikon HT<br><i>Silicone HT</i>                         | Schwarz<br><i>Black</i> | H                                              | -40 °C / +150 °C                                                    |
| PVDF                                                         | Schwarz<br><i>Black</i>                   | n                                              | TPE                                                      | s. FC<br>s. CC          |                                                | -40 °C / +130 °C                                                    |
| PVDF                                                         | Schwarz<br><i>Black</i>                   | n                                              | TPE-V                                                    | Natur<br><i>Natural</i> | p                                              | -40 °C / +135 °C                                                    |
| PVDF                                                         | Schwarz<br><i>Black</i>                   | n                                              | Silikon HT<br><i>Silicone HT</i>                         | Schwarz<br><i>Black</i> | H                                              | -40 °C / +150 °C                                                    |

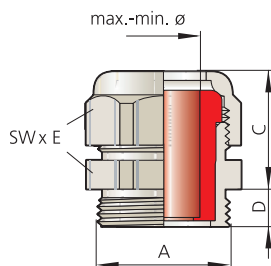


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br><i>Connection thread/length</i> |      | Art.-Nr.<br><i>Art. no.</i>                                         | Dichtbereich<br><i>Sealing range</i> |                   | Bauhöhe<br><i>Mounting height</i> | Schlüsselweite<br><i>Spanner width</i> |    |
|------------------------------------------------------------|------|---------------------------------------------------------------------|--------------------------------------|-------------------|-----------------------------------|----------------------------------------|----|
|                                                            |      | Ausführung bitte ergänzen<br><i>Please complete product details</i> |                                      |                   |                                   |                                        |    |
| Pg 7                                                       | 8,0  | Transparent =                                                       | = TPE                                | max./min. ø<br>mm | C<br>mm                           | SW x E<br>mm                           |    |
|                                                            |      | Blau/Blue = a                                                       | p = TPE-V                            |                   |                                   |                                        |    |
|                                                            |      | Schwarz/Black = n                                                   | H = Silikon HT/Silicone HT           |                   |                                   |                                        |    |
| Pg 9                                                       | 8,0  | 149y                                                                | 7                                    | 6,5 – 4,0         | 23,0                              | 15x16,5                                | 50 |
|                                                            |      | 150y                                                                | 7                                    | 6,5 – 4,0         | 24,0                              | 19x21,2                                | 50 |
|                                                            |      | 150y                                                                | 8                                    | 8,0 – 5,0         | 24,0                              | 19x21,2                                | 50 |
| Pg 11                                                      | 8,0  | 150y                                                                | 9                                    | 9,5 – 6,5         | 24,0                              | 19x21,2                                | 50 |
|                                                            |      | 151y                                                                | 7                                    | 6,5 – 4,0         | 24,0                              | 22x24,4                                | 50 |
|                                                            |      | 151y                                                                | 8 *                                  | 8,0 – 5,0         | 24,0                              | 22x24,4                                | 50 |
| Pg 13,5                                                    | 9,0  | 151y                                                                | 9                                    | 9,5 – 6,5         | 24,0                              | 22x24,4                                | 50 |
|                                                            |      | 151y                                                                | 11                                   | 10,5 – 7,0        | 24,0                              | 22x24,4                                | 50 |
|                                                            |      | 152y                                                                | 7                                    | 6,5 – 4,0         | 26,0                              | 24x26,5                                | 50 |
| Pg 16                                                      | 9,0  | 152y                                                                | 8                                    | 8,0 – 5,0         | 26,0                              | 24x26,5                                | 50 |
|                                                            |      | 152y                                                                | 9                                    | 9,5 – 6,5         | 26,0                              | 24x26,5                                | 50 |
|                                                            |      | 152y                                                                | 11                                   | 10,5 – 7,0        | 26,0                              | 24x26,5                                | 50 |
| Pg 21                                                      | 11,0 | 152y                                                                | 13                                   | 13,0 – 9,0        | 26,0                              | 24x26,5                                | 50 |
|                                                            |      | 153y                                                                | 7                                    | 6,5 – 4,0         | 26,0                              | 27x29,5                                | 50 |
|                                                            |      | 153y                                                                | 8                                    | 8,0 – 5,0         | 26,0                              | 27x29,5                                | 50 |
|                                                            |      | 153y                                                                | 9                                    | 9,5 – 6,5         | 26,0                              | 27x29,5                                | 50 |
|                                                            |      | 153y                                                                | 11                                   | 10,5 – 7,0        | 26,0                              | 27x29,5                                | 50 |
|                                                            |      | 153y                                                                | 13                                   | 13,0 – 9,0        | 26,0                              | 27x29,5                                | 50 |
|                                                            |      | 153y                                                                | 16                                   | 15,5 – 11,5       | 26,0                              | 27x29,5                                | 50 |
|                                                            |      | 154y                                                                | 11                                   | 10,5 – 7,0        | 29,0                              | 33x36,5                                | 25 |
|                                                            |      | 154y                                                                | 13                                   | 13,0 – 9,0        | 29,0                              | 33x36,5                                | 25 |
|                                                            |      | 154y                                                                | 16                                   | 15,5 – 11,5       | 29,0                              | 33x36,5                                | 25 |
|                                                            |      | 154y                                                                | 18                                   | 18,0 – 14,0       | 29,0                              | 33x36,5                                | 25 |
|                                                            |      | 154y                                                                | 20                                   | 20,5 – 17,0       | 29,0                              | 33x36,5                                | 25 |

\* Dichteinsatz aus Silikon HT nicht lieferbar  
 \* Sealing insert silicone HT not available

Fortsetzung auf der nächsten Seite  
 Continued on next page

## UNI Dicht Pg-Kabelverschraubung

UNI Dicht Pg cable gland

Fortsetzung von vorheriger Seite  
Continued from previous page

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |                             | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width |              |                                                                                     |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|-----------------------------|----------------------------|---------------------------------|--------------|-------------------------------------------------------------------------------------|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |                             |                            |                                 |              |                                                                                     |
| A                                                   | D<br>mm | Transparent                                                  | =                             | = TPE                       | max./min. ø<br>mm          | C<br>mm                         | SW x E<br>mm |  |
|                                                     |         | Blau/Blue                                                    | = a                           | p = TPE-V                   |                            |                                 |              |                                                                                     |
|                                                     |         | Schwarz/Black                                                | = n                           | H = Siliikon HT/Silicone HT |                            |                                 |              |                                                                                     |
| Pg 29                                               | 10,5    | 155y                                                         | 13                            | *                           | 13,0 – 9,0                 | 33,0                            | 43x46,5      | 10                                                                                  |
|                                                     |         | 155y                                                         | 16                            |                             | 15,5 – 11,5                | 33,0                            | 43x46,5      | 10                                                                                  |
|                                                     |         | 155y                                                         | 18                            |                             | 18,0 – 14,0                | 33,0                            | 43x46,5      | 10                                                                                  |
|                                                     |         | 155y                                                         | 20                            |                             | 20,5 – 17,0                | 33,0                            | 43x46,5      | 10                                                                                  |
|                                                     |         | 155y                                                         | 25                            |                             | 25,0 – 20,0                | 33,0                            | 43x46,5      | 10                                                                                  |
|                                                     |         | 155y                                                         | 28                            |                             | 28,0 – 24,0                | 33,0                            | 43x46,5      | 10                                                                                  |
| Pg 36                                               | 13,0    | 156y                                                         | 32                            |                             | 32,0 – 27,0                | 34,0                            | 53x57        | 5                                                                                   |
|                                                     |         | 156y                                                         | 34                            |                             | 34,0 – 29,0                | 34,0                            | 53x57        | 5                                                                                   |
|                                                     |         | 156y                                                         | 36                            |                             | 36,0 – 32,0                | 34,0                            | 53x57        | 5                                                                                   |
| Pg 42                                               | 13,0    | 157y                                                         | 36                            | * **                        | 36,0 – 32,0                | 38,0                            | 60x65        | 5                                                                                   |
|                                                     |         | 157y                                                         | 40                            | * **                        | 40,0 – 36,0                | 38,0                            | 60x65        | 5                                                                                   |
| Pg 48                                               | 14,0    | 158y                                                         | 44                            | * **                        | 44,0 – 39,0                | 41,0                            | 65x70        | 5                                                                                   |

\* Dichteinsatz aus Silikon HT nicht lieferbar \*\* Werkstoff POM (Farbe weiß), Temperaturbereich: -40 °C bis +110 °C. Es besteht keine CSA-Zulassung.  
\* Sealing insert silicone HT not available \*\* Material POM (white colour), temperature range: -40 °C up to +110 °C, no CSA approval



**Schutzart IP 68 ausschließlich in Verbindung mit separat erhältlicher Flachdichtung auf Seite 468**  
Type of protection IP 68 only in combination with separately available flat sealing ring on page 468

140300 | TT09510

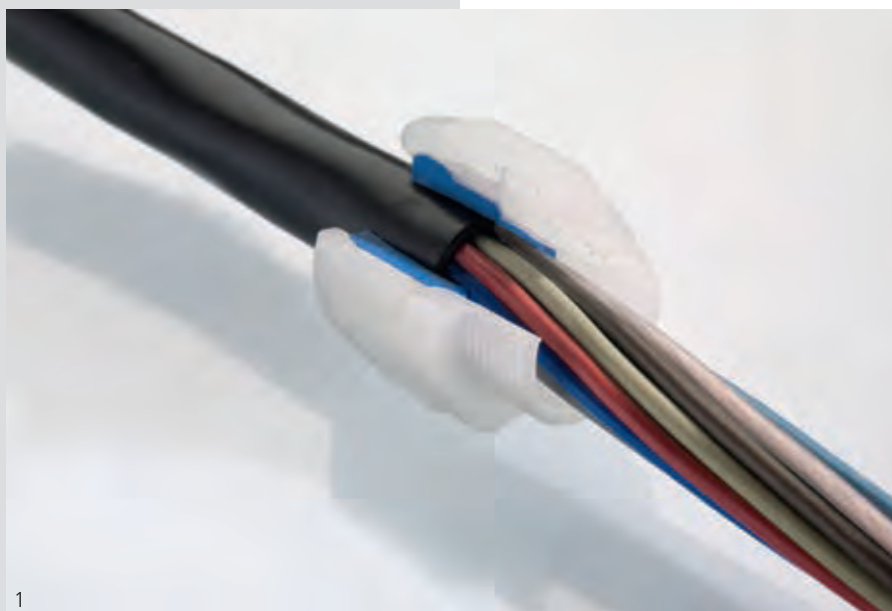
## **UNI Dicht Erweitert – Pg**

*UNI Dicht Extended – Pg*



1

Abb. 1 – UNI Dicht Erweitert Messing  
Fig. 1 – UNI Dicht Extended brass



### Dicke Kabel durch kleine Bohrung

Sollen Kabel mit dickerem Durchmesser durch eine bestehende Bohrung geführt werden, lässt sich das mit sogenannten „erweiterten“ Doppelnippeln einfach realisieren. Diese verfügen über ein vergrößertes Kopfteil für die Aufnahme eines entsprechend kurzen Dicht-einsatzes. Das abgemantelte Kabel mit seinem deutlich kleineren Adernquerschnitt wird sicher durch den Anschlussbereich der Kabelverschraubung geführt.

### Thick cables through small boreholes

If a thicker cable has to be fed through an existing hole, this can be simply done with an "extended" double nipple. This has an enlarged head to accept a correspondingly short sealing insert. The unsheathed cable with its significantly smaller diameter can be fitted easily through the connection area of the cable gland.

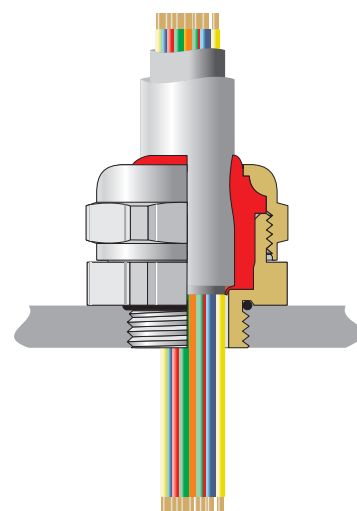


Abb. 1 – UNI Dicht Erweitert PVDF  
Fig. 1 – UNI Dicht Extended PVDF

Abb. 2 – UNI Dicht Erweitert PVDF  
Fig. 2 – UNI Dicht Extended PVDF

Abb. 3 – Querschnitt UNI Dicht Erweitert  
Fig. 3 – Cross section UNI Dicht Extended

# UNI Dicht Erweitert – Pg

UNI Dicht Extended – Pg



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt**  
**Pg-Anschlussgewinde**  
**Mit O-Ring HNBR**  
**Schutzart IP 68 bis 10 bar**  
**Zugentlastung bis Klasse A, EN 62444**

Brass, nickel-plated  
Pg connection thread  
With o-ring HNBR  
Type of protection IP 68 up to 10 bar  
Strain relief up to class A, EN 62444



**Achtung: Dichteinsätze mit kurzer Bauform Art.-Nr.: Ek... verwenden**  
Note: Only use short sealing inserts art. no.: Ek...

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE                                               | s. FC<br>s. CC   | d                                       | -40 °C / +130 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -55 °C / +200 °C                                             |

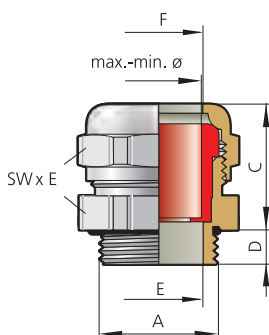


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge Art.-Nr.                             |      |                                        |                   | Dichtbereich  | Innendurchmesser | Durchlass Druck- Bauhöhe    | Schlüsselweite  |               |
|--------------------------------------------------------------|------|----------------------------------------|-------------------|---------------|------------------|-----------------------------|-----------------|---------------|
| Connection thread/length                                     |      | Art. no.                               |                   | Sealing range | Inner diameter   | Opening pressure screw max. | Mounting height | Spanner width |
| Ausführung bitte ergänzen<br>Please complete product details |      |                                        |                   |               |                  |                             |                 |               |
| A                                                            | D    | TPE<br>TPE-V<br>Silikon HT/Silicone HT | = d<br>= p<br>= H | max./min. ø   | E                | F                           | C               | SW x E        |
|                                                              | mm   |                                        |                   | mm            | mm               | mm                          | mm              | mm            |
| Pg 7                                                         | 5,0  | 14950                                  | 8                 | 8,0 – 5,0     | 9,0              | 10,0                        | 20,0            | 17x18,9       |
|                                                              |      | 14950                                  | 9                 | 9,5 – 6,5     | 9,0              | 10,0                        | 20,0            | 17x18,9       |
|                                                              |      | 14951                                  | 11                | 10,5 – 7,0    | 9,0              | 11,5                        | 21,0            | 20x22,2       |
| Pg 7                                                         | 5,5  | 14951                                  | 11                | 10,5 – 7,0    | 9,0              | 11,5                        | 21,0            | 20x22,2       |
| Pg 9                                                         | 6,0  | 15051                                  | 11                | 10,5 – 7,0    | 12,0             | 11,5                        | 21,0            | 20x22,2       |
|                                                              |      | 15052                                  | 13                | 13,0 – 9,0    | 12,0             | 13,5                        | 21,0            | 22x24,4       |
| Pg 11                                                        | 6,0  | 15152                                  | 13                | 13,0 – 9,0    | 13,5             | 13,5                        | 21,0            | 22x24,4       |
|                                                              |      | 15153                                  | 16                | 15,5 – 11,5   | 14,0             | 16,0                        | 21,0            | 24x26,7       |
| Pg 13,5                                                      | 6,5  | 15253                                  | 16                | 15,5 – 11,5   | 17,0             | 16,0                        | 21,0            | 24x26,7       |
|                                                              |      | 15254                                  | 18                | 18,0 – 14,0   | 17,0             | 18,5                        | 25,0            | 30x33,5       |
|                                                              |      | 15254                                  | 20                | 20,5 – 17,0   | 17,0             | 21,0                        | 25,0            | 30x33,5       |
| Pg 16                                                        | 6,5  | 15354                                  | 18                | 18,0 – 14,0   | 18,5             | 18,5                        | 24,0            | 30x33,5       |
|                                                              |      | 15354                                  | 20                | 20,5 – 17,0   | 18,5             | 21,0                        | 24,0            | 30x33,5       |
|                                                              |      | 15355                                  | 25                | 25,0 – 20,0   | 18,5             | 29,0                        | 27,0            | 40x43,5       |
|                                                              |      | 15355                                  | 28                | 28,0 – 24,0   | 18,5             | 29,0                        | 27,0            | 40x43,5       |
| Pg 21                                                        | 7,0  | 15455                                  | 25                | 25,0 – 20,0   | 24,0             | 29,0                        | 27,0            | 40x43,5       |
|                                                              |      | 15455                                  | 28                | 28,0 – 24,0   | 24,0             | 29,0                        | 27,0            | 40x43,5       |
|                                                              |      | 15456                                  | 32                | 32,0 – 27,0   | 24,0             | 38,0                        | 28,0            | 50x54         |
|                                                              |      | 15456                                  | 34                | 34,0 – 29,0   | 24,0             | 38,0                        | 28,0            | 50x54         |
|                                                              |      | 15456                                  | 36                | 36,0 – 32,0   | 24,0             | 38,0                        | 28,0            | 50x54         |
| Pg 29                                                        | 8,0  | 15556                                  | 32                | 32,0 – 27,0   | 32,0             | 38,0                        | 28,0            | 50x54         |
|                                                              |      | 15556                                  | 34                | 34,0 – 29,0   | 32,0             | 38,0                        | 28,0            | 50x54         |
|                                                              |      | 15556                                  | 36                | 36,0 – 32,0   | 32,0             | 38,0                        | 28,0            | 50x54         |
| Pg 36                                                        | 9,0  | 15657                                  | 38 *              | 38,0 – 33,0   | 42,0             | 42,0                        | 30,0            | 57x61,5       |
|                                                              |      | 15657                                  | 40 *              | 40,0 – 36,0   | 42,0             | 42,0                        | 30,0            | 57x61,5       |
| Pg 48                                                        | 10,0 | 158212                                 | 47 *              | 47,0 – 42,0   | 52,3             | 59,5                        | 45,0            | 81x87         |
|                                                              |      | 158212                                 | 52 *              | 52,0 – 45,0   | 52,3             | 59,5                        | 45,0            | 81x87         |
|                                                              |      | 158212                                 | 55 *              | 55,0 – 51,0   | 52,3             | 59,5                        | 45,0            | 81x87         |
|                                                              |      | 158212                                 | 58 *              | 58,0 – 54,0   | 52,3             | 59,5                        | 45,0            | 81x87         |
|                                                              |      | 158300                                 | 64 *              | 64,0 – 58,0   | 52,3             | 72,5                        | 45,0            | 95x102        |
|                                                              |      | 158300                                 | 70 *              | 70,0 – 63,0   | 52,3             | 72,5                        | 45,0            | 95x102        |

\* Dichteinsatz aus Silikon HT nicht lieferbar  
\* Sealing insert silicone HT not available



**Passende Gegenmuttern ab Seite 442**  
Corresponding locknuts see from page 442

# UNI Dicht Erweitert – Pg

UNI Dicht Extended – Pg

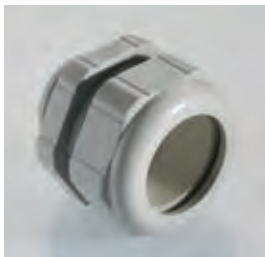


Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

Polycarbonat, Farbe: grau (RAL 7035), schwarz (RAL 9005)

Pg-Anschlussgewinde

Schutzart IP 68 bis 10 bar

Zugentlastung bis Klasse A, EN 62444

Polycarbonate, colour: grey (RAL 7035), black (RAL 9005)

Pg connection thread

Type of protection IP 68 up to 10 bar

Strain relief up to class A, EN 62444



**Achtung: Dichteinsätze mit kurzer Bauform Art.-Nr.: Ek... verwenden**

Note: Only use short sealing inserts art. no.: Ek...

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| PC                                                    | Grau<br>Grey                       |                                         | TPE                                               | s. FC<br>s. CC   |                                         | -20 °C / +100 °C                                             |
| PC                                                    | Grau<br>Grey                       |                                         | TPE-V                                             | Natur<br>Natural | p                                       | -20 °C / +100 °C                                             |
| PC                                                    | Grau<br>Grey                       |                                         | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -20 °C / +100 °C                                             |
| PC                                                    | Schwarz<br>Black                   | n                                       | TPE                                               | s. FC<br>s. CC   |                                         | -20 °C / +100 °C                                             |
| PC                                                    | Schwarz<br>Black                   | n                                       | TPE-V                                             | Natur<br>Natural | p                                       | -20 °C / +100 °C                                             |
| PC                                                    | Schwarz<br>Black                   | n                                       | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -20 °C / +100 °C                                             |

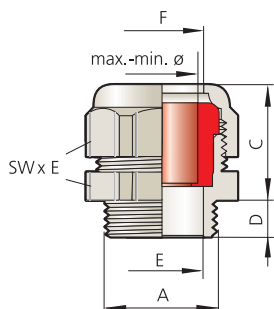


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge  |      | Art.-Nr.                                                     |     | Dichtbereich                 | Innendurchmesser | Durchlass Druckschraube max. | Bauhöhe         | Schlüsselweite |         |
|--------------------------|------|--------------------------------------------------------------|-----|------------------------------|------------------|------------------------------|-----------------|----------------|---------|
| Connection thread/length |      | Art. no.                                                     |     | Sealing range                | Inner diameter   | Opening pressure screw max.  | Mounting height | Spanner width  |         |
|                          |      | Ausführung bitte ergänzen<br>Please complete product details |     |                              |                  |                              |                 |                |         |
| A                        | D    | Grau/Grey                                                    | = p | = TPE-V                      | max./min. ø      | E                            | F               | C              | SW x E  |
|                          | mm   | Schwarz/Black                                                | = n | = Silikon HT/<br>Silicone HT | mm               | mm                           | mm              | mm             | mm      |
| Pg 7                     | 8,0  | 14950PC                                                      | 8   |                              | 8,0– 5,0         | 8,5                          | 10,0            | 22,0           | 19x21,2 |
|                          |      | 14950PC                                                      | 9   |                              | 9,5– 6,5         | 8,5                          | 10,0            | 22,0           | 19x21,2 |
| Pg 9                     | 8,0  | 15051PC                                                      | 11  |                              | 10,5– 7,0        | 11,5                         | 11,0            | 23,0           | 22x24,5 |
| Pg 11                    | 8,0  | 15152PC                                                      | 13  |                              | 13,0– 9,0        | 14,5                         | 13,0            | 24,0           | 24x26,5 |
| Pg 13,5                  | 8,5  | 15253PC                                                      | 16  |                              | 15,5– 11,5       | 16,4                         | 16,0            | 24,0           | 27x29,5 |
| Pg 13,5                  | 9,0  | 15254PC                                                      | 18  |                              | 18,0– 14,0       | 16,4                         | 21,0            | 29,0           | 33x36,5 |
|                          |      | 15254PC                                                      | 20  |                              | 20,5– 17,0       | 16,4                         | 21,0            | 29,0           | 33x36,5 |
| Pg 16                    | 9,0  | 15354PC                                                      | 18  |                              | 18,0– 14,0       | 17,2                         | 21,0            | 30,0           | 33x36,5 |
|                          |      | 15354PC                                                      | 20  |                              | 20,5– 17,0       | 17,2                         | 21,0            | 30,0           | 33x36,5 |
| Pg 21                    | 11,0 | 15455PC                                                      | 25  |                              | 25,0– 20,0       | 23,0                         | 28,0            | 34,0           | 43x46,5 |
|                          |      | 15455PC                                                      | 28  |                              | 28,0– 24,0       | 23,0                         | 28,0            | 34,0           | 43x46,5 |
| Pg 29                    | 11,0 | 15556PC                                                      | 32  |                              | 32,0– 27,0       | 31,5                         | 37,0            | 35,0           | 53x57   |
|                          |      | 15556PC                                                      | 34  |                              | 34,0– 29,0       | 31,5                         | 37,0            | 35,0           | 53x57   |
|                          |      | 15556PC                                                      | 36  |                              | 36,0– 32,0       | 31,5                         | 37,0            | 35,0           | 53x57   |



**Passende Gegenmuttern ab Seite 442**

Corresponding locknuts see from page 442



**Schutzart IP 68 ausschließlich in Verbindung mit separat erhältlicher Flachdichtung auf Seite 468**

Type of protection IP 68 only in combination with separately available flat sealing ring on page 468

# UNI Dicht Erweitert – Pg

UNI Dicht Extended – Pg

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**PVDF, Farbe: transparent, blau (RAL 5015), schwarz (RAL 9005)**  
**Pg-Anschlussgewinde**  
**Schutzart IP 68 bis 10 bar**  
**Zugentlastung bis Klasse A, EN 62444**

*PVDF, colour: transparent, blue (RAL 5015), black (RAL 9005)*  
*Pg connection thread*  
*Type of protection IP 68 up to 10 bar*  
*Strain relief up to class A, EN 62444*



**Achtung: Dichteinsätze mit kurzer Bauform Art.-Nr.: Ek... verwenden**  
*Note: Only use short sealing inserts art. no.: Ek...*

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| PVDF                                                  | Transparent                        |                                         | TPE                                               | s. FC<br>s. CC   |                                         | -40 °C / +130 °C                                             |
| PVDF                                                  | Transparent                        |                                         | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| PVDF                                                  | Transparent                        |                                         | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -40 °C / +150 °C                                             |
| PVDF                                                  | Blau<br>Blue                       | a                                       | TPE                                               | s. FC<br>s. CC   |                                         | -40 °C / +130 °C                                             |
| PVDF                                                  | Blau<br>Blue                       | a                                       | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| PVDF                                                  | Blau<br>Blue                       | a                                       | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -40 °C / +150 °C                                             |
| PVDF                                                  | Schwarz<br>Black                   | n                                       | TPE                                               | s. FC<br>s. CC   |                                         | -40 °C / +130 °C                                             |
| PVDF                                                  | Schwarz<br>Black                   | n                                       | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| PVDF                                                  | Schwarz<br>Black                   | n                                       | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -40 °C / +150 °C                                             |

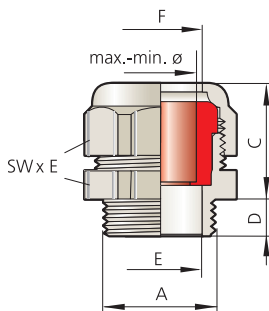


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge  |      | Art.-Nr.                                                     |       | Dichtbereich                 | Innendurchmesser | Durchlass Druckschraube max. | Bauhöhe         | Schlüsselweite |        |
|--------------------------|------|--------------------------------------------------------------|-------|------------------------------|------------------|------------------------------|-----------------|----------------|--------|
| Connection thread/length |      | Art. no.                                                     |       | Sealing range                | Inner diameter   | Opening pressure screw max.  | Mounting height | Spanner width  |        |
|                          |      | Ausführung bitte ergänzen<br>Please complete product details |       |                              |                  |                              |                 |                |        |
| A                        | D    | Transparent<br>Blau/Blue                                     | = a p | = TPE<br>= TPE-V             | max./min. ø      | E                            | F               | C              | SW x E |
|                          | mm   | Schwarz/Black                                                | = n H | = Silikon HT/<br>Silicone HT | mm               | mm                           | mm              | mm             | mm     |
| Pg 7                     | 8,0  | 14950y                                                       | 8     | 8,0 – 5,0                    | 8,5              | 10,0                         | 23,0            | 19x21,2        | 50     |
|                          |      | 14950y                                                       | 9     | 9,5 – 6,5                    | 8,5              | 10,0                         | 23,0            | 19x21,2        | 50     |
| Pg 9                     | 8,0  | 15051y                                                       | 11    | 10,5 – 7,0                   | 11,5             | 11,0                         | 23,0            | 22x24,5        | 50     |
| Pg 9                     | 8,5  | 15052y                                                       | 13    | 13,0 – 9,0                   | 11,5             | 13,0                         | 26,0            | 26,5x26,5      | 50     |
|                          |      | 15052y                                                       | 13    | 13,0 – 9,0                   | 11,5             | 13,0                         | 26,0            | 24x26,5        | 50     |
| Pg 11                    | 8,0  | 15152y                                                       | 13    | 13,0 – 9,0                   | 14,2             | 13,0                         | 26,0            | 24x26,5        | 50     |
| Pg 11                    | 9,0  | 15153y                                                       | 16    | 15,5 – 11,5                  | 14,2             | 16,0                         | 27,0            | 27x29,5        | 50     |
| Pg 13,5                  | 8,5  | 15253y                                                       | 16    | 15,5 – 11,5                  | 16,4             | 16,0                         | 27,0            | 27x29,5        | 50     |
| Pg 13,5                  | 9,0  | 15254y                                                       | 18    | 18,0 – 14,0                  | 16,4             | 21,0                         | 30,0            | 33x36,5        | 50     |
|                          |      | 15254y                                                       | 20    | 20,5 – 17,0                  | 16,4             | 21,0                         | 30,0            | 33x36,5        | 25     |
| Pg 16                    | 9,0  | 15354y                                                       | 18    | 18,0 – 14,0                  | 17,2             | 21,0                         | 30,0            | 33x36,5        | 25     |
|                          |      | 15354y                                                       | 20    | 20,5 – 17,0                  | 17,2             | 21,0                         | 30,0            | 33x36,5        | 25     |
| Pg 16                    | 10,0 | 15355y                                                       | 25    | 25,0 – 20,0                  | 22,0             | 28,0                         | 32,0            | 43x46,5        | 10     |
|                          |      | 15355y                                                       | 28    | 28,0 – 24,0                  | 22,0             | 28,0                         | 32,0            | 43x46,5        | 10     |
| Pg 21                    | 10,0 | 15456y                                                       | 32    | 32,0 – 27,0                  | 28,0             | 37,0                         | 35,0            | 53x57          | 5      |
|                          |      | 15456y                                                       | 34    | 34,0 – 29,0                  | 28,0             | 37,0                         | 35,0            | 53x57          | 5      |
|                          |      | 15456y                                                       | 36    | 36,0 – 32,0                  | 28,0             | 37,0                         | 35,0            | 53x57          | 5      |
| Pg 21                    | 11,0 | 15455y                                                       | 25    | 25,0 – 20,0                  | 23,0             | 28,0                         | 33,0            | 43x46,5        | 10     |
|                          |      | 15455y                                                       | 28    | 28,0 – 24,0                  | 23,0             | 28,0                         | 33,0            | 43x46,5        | 10     |
| Pg 29                    | 11,0 | 15556y                                                       | 32    | 32,0 – 27,0                  | 31,5             | 37,0                         | 35,0            | 53x57          | 5      |
|                          |      | 15556y                                                       | 34    | 34,0 – 29,0                  | 31,5             | 37,0                         | 35,0            | 53x57          | 5      |
|                          |      | 15556y                                                       | 36    | 36,0 – 32,0                  | 31,5             | 37,0                         | 35,0            | 53x57          | 5      |



**Schutzart IP 68 ausschließlich in Verbindung mit separat erhältlicher Flachdichtung auf Seite 468**  
*Type of protection IP 68 only in combination with separately available flat sealing ring on page 468*



## UNI Mehrfach – Pg

*UNI Multiple – Pg*



1



2



3

Abb. 1 – UNI Mehrfach montiert  
Fig. 1 – Assembled UNI Multiple

Abb. 2 – UNI Mehrfach und Verschlussbolzen für nicht belegte Löcher  
Fig. 2 – UNI Multiple and bolt for unused holes

Abb. 3 – UNI Mehrfach-Dichteinsätze mit unterschiedlichen Lochbildern  
Fig. 3 – UNI Multiple sealing inserts with different hole patterns

### Mehrere Kabel sicher durch eine Bohrung führen

Wer aus Platz- oder Handlinggründen mehrere Kabel sicher durch eine Bohrung führen möchte, ersetzt den Standard-Dichteinsatz einfach durch Typen aus dem UNI Mehrfach-Programm. Verschiedene Lochbilder stehen zur Verfügung, sodass sich auch unterschiedliche Kabeldurchmesser abdichten lassen. Dabei erreicht die UNI Mehrfach die Schutzart IP 65, wenn die Differenz von Kabeldurchmesser und Loch weniger als 10 % beträgt. Sind beide gleich, lässt sich auch IP 68 (bis 10 bar) erreichen. Dichtigkeit und Zugentlastung sind abhängig vom verwendeten Kabel. Entsprechende Tests bietet PFLITSCH im eigenen Prüflabor an.

### Dichteinsätze nach Kundenwunsch

PFLITSCH fertigt diese Dichteinsätze exakt nach Kundenvorgabe aus dem hochwertigen Kunststoff TPE-V, der Einsatztemperaturen von -40 °C bis +135 °C erlaubt. Dank dieser Fertigungsmethode kann PFLITSCH selbst Prototypen und Kleinserien zu wirtschaftlichen Preisen realisieren. Alternativ kann der Kunde geschlossene Dichteinsätze selbst mit Lochungen versehen. Nicht belegte Löcher werden mit einem Verschlussbolzen abgedichtet. Neben den runden Lochungen fertigt PFLITSCH auch Varianten für unterschiedliche Flach- oder Sonderkabel, beispielsweise für den ASI-Bus oder für Kabel, die mit Tragseilen ausgestattet sind.

### Dichteinsätze für konfektionierte Kabel

Die Mehrfach-Dichteinsätze gibt es auch geteilt, z. B. für die Abdichtung von Kabeln, die bereits mit Steckern oder Sensoren konfektionierte sind. Diese Bauteile werden durch den Verschraubungskörper geführt, bevor der Kabel von den zwei Hälften des Dichteinsatzes zuverlässig umschlossen werden.

Für den gleichen Anwendungsfall bieten sich die seitlich geschlitzten Dichteinsätze an: Durch den nach außen offenen Schlitz lassen sich Kabel unkompliziert einführen.

### Inserting several cables securely through a borehole

Users intending to thread several cables reliably through a borehole for space or handling reasons can replace the standard sealing insert with types from the UNI Multiple range. A number of hole patterns are available, so that a variety of cable diameters can also be sealed. Here UNI Multiple achieves protection class IP 65, when the difference between the cable diameter and breakthrough is less than 10%. Should the values be the same, IP 68 (up to 10 bar) can be achieved. The tightness and strain relief depend on the cable used. PFLITSCH conducts the corresponding testing in its own test laboratory.

### Sealing inserts according to customer wishes

PFLITSCH manufactures these sealing inserts exactly according to customer wishes from the high-grade plastic TPE-V, permitting application temperatures from -40 °C to +135 °C. Due to this production method, PFLITSCH can realise even prototypes and short runs economically. Alternatively, with a slowly running drill customers can make their own holes in closed sealing inserts. Unused holes are sealed with a bolt. In addition to the round perforations, PFLITSCH also produces variants for different flat cables or special cables, for example, for the ASI-Bus or for cables with track cables.

### Sealing inserts for ready-made cables

The multiple sealing inserts also come split, e.g. for sealing cables, already made up with connectors or sensors. These components are threaded through the gland body before the cables are reliably enclosed by the two halves of the sealing insert.

The laterally slotted sealing inserts also lend themselves to this application: Cables can be inserted through the slot open to the outside.



Abb. 1 – Geteilter Mehrfach-Dichteinsatz  
Fig. 1 – Split multiple sealing insert

Abb. 2 – Kabelverschraubung für zwei ASI-Bus-Kabel  
Fig. 2 – Cable gland for two ASI-Bus cables

# UNI Mehrfach Pg-Kabelverschraubung

UNI Multiple Pg cable gland



Abb. 1  
Fig. 1

Abb. 2  
Fig. 2

**Messing vernickelt, Edelstahl 1.4305, Polycarbonat, PVDF**  
**Pg-Anschlussgewinde**  
**Schutzart IP 65**  
**Schutzart IP 68 bis 10 bar, wenn Kabel- $\varnothing$  = Loch- $\varnothing$**   
**Zugentlastung bis Klasse A, EN 62444**

*Brass, nickel-plated, stainless steel AISI 303, polycarbonate, PVDF*  
*Pg connection thread*  
*Type of protection IP 65*  
*Type of protection IP 68 up to 10 bar, achievable if cable  $\varnothing$  = hole  $\varnothing$*   
*Strain relief up to class A, EN 62444*



**Farbvarianten für**

Colour variants for

**PC:**

**PVDF:**

**PC:**

**PVDF:**

**PCn = schwarz**

**ya = blau**

**yn = schwarz**

**PCn = black**

**ya = blue**

**yn = black**

| Werkstoff Verschraubungskörper | Ausführung/Farbe         | Bestellschlüssel    | Werkstoff Dichteinsatz  | Farbe         | Bestellschlüssel    | Temperaturbereich min./max.   |
|--------------------------------|--------------------------|---------------------|-------------------------|---------------|---------------------|-------------------------------|
| Material gland body            | Version/colour           | Art. no. supplement | Material sealing insert | Colour        | Art. no. supplement | Temperature range (min./max.) |
| Messing Brass                  | Vernickelt Nickel-plated |                     | TPE                     | Weiß White    |                     | -40 °C / +130 °C              |
| Messing Brass                  | Vernickelt Nickel-plated |                     | TPE-V                   | Natur Natural | p                   | -40 °C / +135 °C              |
| VA 1.4305 AISI 303             | Blank                    | st                  | TPE                     | Weiß White    |                     | -40 °C / +130 °C              |
| VA 1.4305 AISI 303             | Blank                    | st                  | TPE-V                   | Natur Natural | p                   | -40 °C / +135 °C              |
| PC                             | Grau Grey                | PC                  | TPE                     | Weiß White    |                     | -20 °C / +100 °C              |
| PC                             | Grau Grey                | PC                  | TPE-V                   | Natur Natural | p                   | -20 °C / +100 °C              |
| PVDF                           | Transparent              | y                   | TPE                     | Weiß White    |                     | -40 °C / +130 °C              |
| PVDF                           | Transparent              | y                   | TPE-V                   | Natur Natural | p                   | -40 °C / +135 °C              |

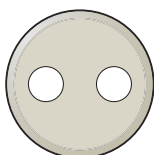
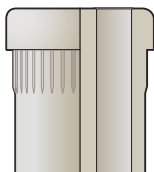


Abb. 3 – Beispiel „2 x 3“  
 2 = Anzahl Bohrungen  
 3 = Bohrungsdurchmesser in mm  
 Fig. 3 – Example „2 x 3“  
 2 = number of bores  
 3 = bore hole diameter in mm

## Anschlussgewinde Art.-Nr.

Connection thread

Art. no.

Ausführung bitte ergänzen  
 Please complete product details

|          |                    |              |     |         |
|----------|--------------------|--------------|-----|---------|
|          | Messing/Brass      | =            |     |         |
|          | VA 1.4305/AISI 303 | =            | st  |         |
| <b>A</b> | PC                 | =            | PC  | = TPE   |
|          | PVDF               | =            | y p | = TPE-V |
| Pg 7     | 149                | m1x3         | 50  |         |
|          | 149                | m1x4         | 50  |         |
|          | 149                | m1x5         | 50  |         |
|          | 149                | m4x1,7       | 50  |         |
|          | 14950              | m1x5 *       | 50  |         |
|          | 14950              | m2x3 *       | 50  |         |
|          | 14950              | m2x4 *       | 50  |         |
|          | 14950              | m3x3 *       | 50  |         |
| Pg 9     | 150                | m1x1,5S/1x4  | 50  |         |
|          | 150                | m1x3         | 50  |         |
|          | 150                | m1x4         | 50  |         |
|          | 150                | m1x5         | 50  |         |
|          | 150                | m2x1,2       | 50  |         |
|          | 150                | m2x3         | 50  |         |
|          | 150                | m2x4         | 50  |         |
|          | 150                | m3x3         | 50  |         |
|          | 150                | m3x3,5       | 50  |         |
|          | 150                | m4x1,4       | 50  |         |
|          | 150                | m4x3         | 50  |         |
|          | 150                | m4x3,3       | 50  |         |
|          | 15051              | m1x2/2x4 * * | 50  |         |
|          | 15051              | m1x4/1x6 * * | 50  |         |

\* Dichteinsatz kurz = Art.-Nr.: Ek... \*\* Ausführung in Edelstahl nicht lieferbar

\* Sealing insert short = art. no.: Ek... \*\* Version made of stainless steel is not available

Fortsetzung auf der nächsten Seite  
 Continued on next page

# UNI Mehrfach Pg-Kabelverschraubung

UNI Multiple Pg cable gland

Fortsetzung von vorheriger Seite  
Continued from previous page

| Anschlussgewinde<br>Connection thread | Art.-Nr.<br>Art. no. | Ausführung bitte ergänzen<br>Please complete product details |           |
|---------------------------------------|----------------------|--------------------------------------------------------------|-----------|
|                                       |                      | Messing/Brass =                                              |           |
| A                                     | VA 1.4305/AISI 303 = | st                                                           |           |
|                                       | PC =                 | PC                                                           | = TPE     |
|                                       | PVDF =               | y                                                            | p = TPE-V |
|                                       |                      |                                                              |           |
| Pg 9                                  | 15052                | m1x4,7/1x6,4                                                 | 50        |
|                                       | 15052                | m2x3 * **                                                    | 50        |
|                                       | 15052                | m2x4 * **                                                    | 50        |
|                                       | 15052                | m2x5 * **                                                    | 50        |
|                                       | 15052                | m2x6 * **                                                    | 50        |
|                                       | 15052                | m3x5,3 * **                                                  | 50        |
|                                       | 15052                | m4x4 * **                                                    | 50        |
| Pg 11                                 | 15052                | m8x3 * **                                                    | 50        |
|                                       | 151                  | m1x3                                                         | 50        |
|                                       | 151                  | m1x3/1x6                                                     | 50        |
|                                       | 151                  | m1x4                                                         | 50        |
|                                       | 151                  | m1x5                                                         | 50        |
|                                       | 151                  | m2x2,3                                                       | 50        |
|                                       | 151                  | m2x3                                                         | 50        |
|                                       | 151                  | m2x4                                                         | 50        |
|                                       | 151                  | m2x5                                                         | 50        |
|                                       | 151                  | m2x6                                                         | 50        |
|                                       | 151                  | m3x3                                                         | 50        |
|                                       | 151                  | m3x4                                                         | 50        |
|                                       | 151                  | m4x1,5                                                       | 50        |
|                                       | 151                  | m4x2,5/1x3,5                                                 | 50        |
|                                       | 151                  | m5x2,5                                                       | 50        |
|                                       | 151                  | m5x3                                                         | 50        |
|                                       | 151                  | m5x3,5                                                       | 50        |
|                                       | 151                  | m6x2                                                         | 50        |
|                                       | 151                  | m6x2,5                                                       | 50        |
|                                       | 151                  | m7x1,5                                                       | 50        |
|                                       | 151                  | m9x1,5                                                       | 50        |
|                                       | 15152                | m2x6 * **                                                    | 50        |
|                                       | 15152                | m3x4 * **                                                    | 50        |
|                                       | 15152                | m3x5,3 * **                                                  | 50        |
|                                       | 15152                | m4x4 * **                                                    | 50        |
|                                       | 15152                | m8x3 * **                                                    | 50        |
| Pg 13,5                               | 152                  | m1x2/3x3                                                     | 50        |
|                                       | 152                  | m1x2,5                                                       | 50        |
|                                       | 152                  | m1x3                                                         | 50        |
|                                       | 152                  | m1x3/2x6                                                     | 50        |
|                                       | 152                  | m1x3,5/1x6                                                   | 50        |
|                                       | 152                  | m1x3,5/2x4,5                                                 | 50        |
|                                       | 152                  | m1x4                                                         | 50        |
|                                       | 152                  | m1x4,7/1x6,4                                                 | 50        |
|                                       | 152                  | m1x5                                                         | 50        |
|                                       | 152                  | m1x8S                                                        | 50        |
|                                       | 152                  | m2x3                                                         | 50        |

| Anschlussgewinde<br>Connection thread | Art.-Nr.<br>Art. no. | Ausführung bitte ergänzen<br>Please complete product details |           |
|---------------------------------------|----------------------|--------------------------------------------------------------|-----------|
|                                       |                      | Messing/Brass =                                              |           |
| A                                     | VA 1.4305/AISI 303 = | st                                                           |           |
|                                       | PC =                 | PC                                                           | = TPE     |
|                                       | PVDF =               | y                                                            | p = TPE-V |
|                                       |                      |                                                              |           |
| Pg 13,5                               | 152                  | m2x4/1x5,5                                                   | 50        |
|                                       | 152                  | m2x5                                                         | 50        |
|                                       | 152                  | m2x5/1x5,5                                                   | 50        |
|                                       | 152                  | m2x6                                                         | 50        |
|                                       | 152                  | m3x1,9/1x6                                                   | 50        |
|                                       | 152                  | m3x2                                                         | 50        |
|                                       | 152                  | m3x3                                                         | 50        |
|                                       | 152                  | m3x3/1x6                                                     | 50        |
|                                       | 152                  | m3x4                                                         | 50        |
|                                       | 152                  | m3x5,3                                                       | 50        |
|                                       | 152                  | m3x5,3S                                                      | 50        |
|                                       | 152                  | m4x3                                                         | 50        |
|                                       | 152                  | m4x4                                                         | 50        |
|                                       | 152                  | m6x2,5                                                       | 50        |
|                                       | 152                  | m6x3,5                                                       | 50        |
|                                       | 152                  | m7x3,3                                                       | 50        |
|                                       | 152                  | m8x1,5                                                       | 50        |
|                                       | 152                  | m8x2                                                         | 50        |
|                                       | 152                  | m10x2                                                        | 50        |
|                                       | 15253                | m1x3/1x6/1x8 * **                                            | 50        |
|                                       | 15253                | m1x5/1x9 * **                                                | 50        |
|                                       | 15253                | m2x4 * **                                                    | 50        |
|                                       | 15253                | m2x6 * **                                                    | 50        |
|                                       | 15253                | m2x6/1x7 * **                                                | 50        |
|                                       | 15253                | m2x6,5 * **                                                  | 50        |
|                                       | 15253                | m2x8 * **                                                    | 50        |
|                                       | 15253                | m3x5/1x8 * **                                                | 50        |
|                                       | 15253                | m3x7 * **                                                    | 50        |
|                                       | 15253                | m4x6 * **                                                    | 50        |
|                                       | 15253                | m6x4 * **                                                    | 50        |
| Pg 16                                 | 153                  | m1x2,6                                                       | 50        |
|                                       | 153                  | m1x3                                                         | 50        |
|                                       | 153                  | m1x3/1x8                                                     | 50        |
|                                       | 153                  | m1x3/1x9                                                     | 50        |
|                                       | 153                  | m1x3/2x7,7                                                   | 50        |
|                                       | 153                  | m1x3,3/2x3,7                                                 | 50        |
|                                       | 153                  | m1x3,5                                                       | 50        |
|                                       | 153                  | m1x4                                                         | 50        |
|                                       | 153                  | m1x4/1x5                                                     | 50        |
|                                       | 153                  | m1x4/2x6/1x7                                                 | 50        |
|                                       | 153                  | m1x4/3x5                                                     | 50        |
|                                       | 153                  | m1x5                                                         | 50        |
|                                       | 153                  | m1x5/1x9                                                     | 50        |
|                                       | 153                  | m1x5/2x6                                                     | 50        |

\* Dichteinsatz kurz = Art.-Nr.: Ek... \*\* Ausführung in Edelstahl nicht lieferbar  
\* Sealing insert short = art. no.: Ek... \*\* Version made of stainless steel is not available

Fortsetzung auf der nächsten Seite  
Continued on next page

# UNI Mehrfach Pg-Kabelverschraubung

UNI Multiple Pg cable gland

Fortsetzung von vorheriger Seite  
Continued from previous page

Anschlussgewinde Art.-Nr.  
Connection thread Art. no.

| Ausführung bitte ergänzen<br>Please complete product details |       |                      |           |
|--------------------------------------------------------------|-------|----------------------|-----------|
| Messing/Brass                                                | =     |                      |           |
| VA 1.4305/AISI 303                                           | =     | st                   |           |
| PC                                                           | =     | PC                   | = TPE     |
| PVDF                                                         | =     | y                    | p = TPE-V |
| Pg 16                                                        | 153   | m1x6/1x8             | 50        |
|                                                              | 153   | m1x6/1x9S            | 50        |
|                                                              | 153   | m1x8S                | 50        |
|                                                              | 153   | m2x3,2/2x6           | 50        |
|                                                              | 153   | m2x3,3               | 50        |
|                                                              | 153   | m2x3,5               | 50        |
|                                                              | 153   | m2x3,5/1x5,5         | 50        |
|                                                              | 153   | m2x3,5/1x8,5         | 50        |
|                                                              | 153   | m2x4                 | 50        |
|                                                              | 153   | m2x5                 | 50        |
|                                                              | 153   | m2x5/1x6             | 50        |
|                                                              | 153   | m2x6                 | 50        |
|                                                              | 153   | m2x6/1x7             | 50        |
|                                                              | 153   | m2x6/1x8             | 50        |
|                                                              | 153   | m2x8                 | 50        |
|                                                              | 153   | m3x1,9/1x2,4/1x7     | 50        |
|                                                              | 153   | m3x2,5/1x3,5/1x7     | 50        |
|                                                              | 153   | m3x3                 | 50        |
|                                                              | 153   | m3x3/1x6             | 50        |
|                                                              | 153   | m3x3,5               | 50        |
|                                                              | 153   | m3x4/1x9             | 50        |
|                                                              | 153   | m3x5/1x8             | 50        |
|                                                              | 153   | m3x6                 | 50        |
|                                                              | 153   | m3x7                 | 50        |
|                                                              | 153   | m4x3                 | 50        |
|                                                              | 153   | m4x4                 | 50        |
|                                                              | 153   | m4x5                 | 50        |
|                                                              | 153   | m4x6                 | 50        |
|                                                              | 153   | m6x4                 | 50        |
|                                                              | 153   | m7x2                 | 50        |
|                                                              | 153   | m9x3                 | 50        |
|                                                              | 153   | m13x2,7              | 50        |
|                                                              | 15354 | m1x4/1x12 *          | 25        |
|                                                              | 15354 | m1x4,5/1x12 *        | 50        |
|                                                              | 15354 | m1x4,5/2x6,5 *       | 50        |
|                                                              | 15354 | m1x5,5/1x9 *         | 50        |
|                                                              | 15354 | m1x5,5/1x10,5 *      | 25        |
|                                                              | 15354 | m1x5,8/1x6,9/1x8,4 * | 50        |
|                                                              | 15354 | m1x6/2x9 *           | 50        |
|                                                              | 15354 | m1x6,5/1x12 *        | 25        |
|                                                              | 15354 | m1x6,9/1x7,4/1x8,4 * | 50        |
|                                                              | 15354 | m1x7/1x8,5 *         | 50        |
|                                                              | 15354 | m1x7/1x10,5 *        | 50        |
|                                                              | 15354 | m1x7,5/1x8,5/1x10 *  | 50        |
|                                                              | 15354 | m1x8,5/1x12 *        | 25        |
|                                                              | 15354 | m1x11,8 *            | 50        |

Anschlussgewinde Art.-Nr.  
Connection thread Art. no.

| Ausführung bitte ergänzen<br>Please complete product details |       |                              |           |
|--------------------------------------------------------------|-------|------------------------------|-----------|
| Messing/Brass                                                | =     |                              |           |
| VA 1.4305/AISI 303                                           | =     | st                           |           |
| PC                                                           | =     | PC                           | = TPE     |
| PVDF                                                         | =     | y                            | p = TPE-V |
| Pg 16                                                        | 15354 | m2x5/1x5,5 *                 | 25        |
|                                                              | 15354 | m2x6 *                       | 25        |
|                                                              | 15354 | m2x6/2x8 *                   | 50        |
|                                                              | 15354 | m2x6,5/1x9,5 *               | 25        |
|                                                              | 15354 | m2x7 *                       | 50        |
|                                                              | 15354 | m2x8 *                       | 25        |
|                                                              | 15354 | m2x9 *                       | 25        |
|                                                              | 15354 | m2x10 *                      | 25        |
|                                                              | 15354 | m3x2,5/3x8 *                 | 50        |
|                                                              | 15354 | m3x7 *                       | 50        |
|                                                              | 15354 | m3x8 *                       | 25        |
|                                                              | 15354 | m3x9 *                       | 25        |
|                                                              | 15354 | m4x4,6/3x5,1 *               | 50        |
|                                                              | 15354 | m4x5 *                       | 50        |
|                                                              | 15354 | m4x5/1x6,5 *                 | 50        |
|                                                              | 15354 | m4x6 *                       | 50        |
|                                                              | 15354 | m4x6,5 *                     | 50        |
|                                                              | 15354 | m4x7,5 *                     | 25        |
|                                                              | 15354 | m4x8 *                       | 50        |
|                                                              | 15354 | m5x5 *                       | 25        |
| Pg 21                                                        | 15354 | m5x6 *                       | 25        |
|                                                              | 15354 | m6x5,5 *                     | 50        |
|                                                              | 15354 | m6x6,5 *                     | 50        |
|                                                              | 15354 | m7x4 *                       | 25        |
|                                                              | 15354 | m8x4 *                       | 25        |
|                                                              | 15354 | m12x3,5 *                    | 50        |
|                                                              | 154   | m1x2,9/2x6/1x6,1/1x6,8/1x7,3 | 25        |
|                                                              | 154   | m1x3,2/2x5/1x6S              | 25        |
|                                                              | 154   | m1x3,2/2x6/1x6,1/1x6,8/1x7,3 | 25        |
|                                                              | 154   | m1x3,2/2x6/3x7               | 25        |
|                                                              | 154   | m1x3,2S/2x5S/1x8,5S          | 25        |
|                                                              | 154   | m1x4/1x5/1x13                | 25        |
|                                                              | 154   | m1x4,3/1x6/1x8               | 25        |
|                                                              | 154   | m1x4,5/2x7/1x8               | 25        |
|                                                              | 154   | m1x4,5/2x8                   | 25        |
|                                                              | 154   | m1x5/1x9                     | 25        |
|                                                              | 154   | m1x5,4                       | 25        |
|                                                              | 154   | m1x5,7/1x13                  | 25        |
|                                                              | 154   | m1x5,7/2x6,3/1x8,5           | 25        |
|                                                              | 154   | m1x6/2x9                     | 25        |
|                                                              | 154   | m1x6,5/1x12                  | 25        |
|                                                              | 154   | m1x7                         | 25        |
|                                                              | 154   | m1x7/1x8,5                   | 25        |
|                                                              | 154   | m1x7/1x10,5                  | 25        |
|                                                              | 154   | m1x8,5/1x12                  | 25        |

\* Dichteinsatz kurz = Art.-Nr.: Ek...  
\* Sealing insert short = art. no.: Ek...

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# UNI Mehrfach Pg-Kabelverschraubung

UNI Multiple Pg cable gland

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Anschlussgewinde Art.-Nr.  
Connection thread Art. no.

Ausführung bitte ergänzen  
Please complete product details

Messing/Brass =

VA 1.4305/AISI 303 = st

PC = PC = TPE

PVDF = y p = TPE-V

A

|       |       |                     |    |
|-------|-------|---------------------|----|
| Pg 21 | 154   | m2x4,5              | 25 |
|       | 154   | m2x4,5/1x13         | 25 |
|       | 154   | m2x6                | 25 |
|       | 154   | m2x6/2x8            | 25 |
|       | 154   | m2x7/3x7S           | 25 |
|       | 154   | m2x7,2/1x10,5       | 25 |
|       | 154   | m2x8                | 25 |
|       | 154   | m2x9                | 25 |
|       | 154   | m3x4                | 25 |
|       | 154   | m3x5                | 25 |
|       | 154   | m3x6/1x8            | 25 |
|       | 154   | m3x6/2x8            | 25 |
|       | 154   | m3x7                | 25 |
|       | 154   | m3x8                | 25 |
|       | 154   | m3x9                | 25 |
|       | 154   | m4x4                | 25 |
|       | 154   | m4x5                | 25 |
|       | 154   | m4x5/4x5S           | 25 |
|       | 154   | m4x6                | 25 |
|       | 154   | m4x6/1x8            | 25 |
|       | 154   | m4x6/3x6S           | 25 |
|       | 154   | m4x6,5              | 25 |
|       | 154   | m4x6,5/1x6,5SB      | 25 |
|       | 154   | m4x8                | 25 |
|       | 154   | m5x4                | 25 |
|       | 154   | m5x5                | 25 |
|       | 154   | m5x6                | 25 |
|       | 154   | m6x4                | 25 |
|       | 154   | m6x4/1x7            | 25 |
|       | 154   | m6x5                | 25 |
|       | 154   | m6x5,5              | 25 |
|       | 154   | m6x6,5              | 25 |
|       | 154   | m8x3                | 25 |
|       | 154   | m8x4                | 25 |
|       | 154   | m8x4/1x4SB          | 25 |
|       | 154   | m8x5                | 25 |
|       | 154   | m8x5,5              | 25 |
|       | 154   | m9x3                | 25 |
|       | 154   | m21x2               | 25 |
|       | 15455 | m1x3,5/2x8/1x14 *   | 10 |
|       | 15455 | m1x4/1x6/1x8/2x10 * | 10 |
|       | 15455 | m1x4/1x9,3/1x10 *   | 10 |
|       | 15455 | m1x4/2x8 *          | 10 |
|       | 15455 | m1x5/3x8,5/1x10,5 * | 10 |
|       | 15455 | m1x5,8/1x6,9/1x11 * | 10 |
|       | 15455 | m1x5,8/2x11 *       | 10 |

Anschlussgewinde Art.-Nr.  
Connection thread Art. no.

Ausführung bitte ergänzen  
Please complete product details

Messing/Brass =

VA 1.4305/AISI 303 = st

PC = PC = TPE

PVDF = y p = TPE-V

A

|       |       |                      |    |
|-------|-------|----------------------|----|
| Pg 21 | 15455 | m1x6,5/1x17 *        | 10 |
|       | 15455 | m1x6,5/2x11,2 *      | 10 |
|       | 15455 | m1x7/1x16 *          | 10 |
|       | 15455 | m1x7,2/1x9,1/1x9,3 * | 10 |
|       | 15455 | m1x8/1x14 *          | 10 |
|       | 15455 | m1x8/1x9/1x12 *      | 10 |
|       | 15455 | m1x8/2x11 *          | 10 |
|       | 15455 | m1x8/2x8,5/1x15 *    | 10 |
|       | 15455 | m1x9/1x10 *          | 10 |
|       | 15455 | m1x9/1x10/1x11 *     | 10 |
|       | 15455 | m1x9/1x15 *          | 10 |
|       | 15455 | m1x10/1x12 *         | 10 |
|       | 15455 | m1x10/1x13 *         | 10 |
|       | 15455 | m1x10/1x15 *         | 10 |
|       | 15455 | m1x10,5/1x16 *       | 10 |
|       | 15455 | m1x10,7/1x13,8 *     | 10 |
|       | 15455 | m2x5/1x8,6/1x12,2 *  | 10 |
|       | 15455 | m2x5/2x9 *           | 10 |
|       | 15455 | m2x5,8/1x11 *        | 10 |
|       | 15455 | m2x6/2x10 *          | 10 |
|       | 15455 | m2x8,5/1x13,5 *      | 10 |
|       | 15455 | m2x10 *              | 10 |
|       | 15455 | m2x11 *              | 10 |
|       | 15455 | m2x12 *              | 10 |
|       | 15455 | m2x13 *              | 10 |
|       | 15455 | m2x13,9 *            | 10 |
|       | 15455 | m3x9 *               | 10 |
|       | 15455 | m3x11 *              | 10 |
|       | 15455 | m4x5,5/1x8 *         | 10 |
|       | 15455 | m4x6,5 *             | 10 |
|       | 15455 | m4x8 *               | 10 |
|       | 15455 | m4x9 *               | 10 |
|       | 15455 | m4x10 *              | 10 |
|       | 15455 | m4x9S *              | 10 |
|       | 15455 | m5x8 *               | 10 |
|       | 15455 | m5x9 *               | 10 |
|       | 15455 | m5x9,5 *             | 10 |
|       | 15455 | m5x10 *              | 10 |
|       | 15455 | m6x8 *               | 10 |
|       | 15455 | m8x5,5 *             | 10 |
|       | 15455 | m10x6 *              | 10 |
|       | 15455 | m11x5,2 *            | 10 |
|       | 15455 | m12x5,3 *            | 10 |
|       | 15455 | m24x3 *              | 10 |
| Pg 29 | 155   | m1x16S               | 10 |

\* Dichteinsatz kurz = Art.-Nr.: Ek...

\* Sealing insert short = art. no.: Ek...

## UNI Mehrfach Pg-Kabelverschraubung

UNI Multiple Pg cable gland

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| Anschlussgewinde  |                    | Art.-Nr.                                                     |       |
|-------------------|--------------------|--------------------------------------------------------------|-------|
| Connection thread |                    | Art. no.                                                     |       |
|                   |                    | Ausführung bitte ergänzen<br>Please complete product details |       |
| A                 | Messing/Brass      | =                                                            | st    |
|                   | VA 1.4305/AISI 303 | =                                                            | PC    |
|                   | PC                 | =                                                            | TPE   |
|                   | PVDF               | =                                                            | TPE-V |
| Pg 29             | 155                | m1x4/1x6/1x8/2x10                                            | 10    |
|                   | 155                | m1x4/2x6/4x8                                                 | 10    |
|                   | 155                | m1x4/2x7/2x9                                                 | 10    |
|                   | 155                | m1x4/7x7                                                     | 10    |
|                   | 155                | m1x4,5/4x8                                                   | 10    |
|                   | 155                | m1x5/2x9/1x13                                                | 10    |
|                   | 155                | m1x5/4x9                                                     | 10    |
|                   | 155                | m1x5,5/1x9                                                   | 10    |
|                   | 155                | m1x5,8/2x11                                                  | 10    |
|                   | 155                | m1x6/1x10                                                    | 10    |
|                   | 155                | m1x6/1x8,5/1x10,5                                            | 10    |
|                   | 155                | m1x6/2x6,5/2x8                                               | 10    |
|                   | 155                | m1x6/2x9                                                     | 10    |
|                   | 155                | m1x6,5/1x17                                                  | 10    |
|                   | 155                | m1x6,5/2x7,5                                                 | 10    |
|                   | 155                | m1x6,5/3x6/3x8/1x9,2                                         | 10    |
|                   | 155                | m1x7/1x14                                                    | 10    |
|                   | 155                | m1x7/1x8,5/1x17                                              | 10    |
|                   | 155                | m1x7/1x9,5/1x12                                              | 10    |
|                   | 155                | m1x7/1x9/1x11                                                | 10    |
|                   | 155                | m1x7/2x8,5                                                   | 10    |
|                   | 155                | m1x7/2x8/2x10                                                | 10    |
|                   | 155                | m1x8/2x11                                                    | 10    |
|                   | 155                | m1x8/2x12                                                    | 10    |
|                   | 155                | m1x8/2x8,5/1x12                                              | 10    |
|                   | 155                | m1x8/2x8,5/1x15                                              | 10    |
|                   | 155                | m1x8/12x4                                                    | 10    |
|                   | 155                | m1x8,5/1x12                                                  | 10    |
|                   | 155                | m1x8,5/1x14                                                  | 10    |
|                   | 155                | m1x9/1x10/1x11                                               | 10    |
|                   | 155                | m1x9/1x15                                                    | 10    |
|                   | 155                | m1x9,5/1x11,5/1x13,5                                         | 10    |
|                   | 155                | m1x9,5/2x13,5                                                | 10    |
|                   | 155                | m1x10/1x11,5/1x13                                            | 10    |
|                   | 155                | m1x10/1x12/1x13,5                                            | 10    |
|                   | 155                | m1x10/1x13                                                   | 10    |
|                   | 155                | m1x10,5/1x16                                                 | 10    |
|                   | 155                | m1x10,7/1x13,8                                               | 10    |
|                   | 155                | m1x12/1x13                                                   | 10    |
|                   | 155                | m2x4/2x5/2x7/2x8                                             | 10    |
|                   | 155                | m2x4,8/2x6,3                                                 | 10    |
|                   | 155                | m2x5/1x8,6/1x12,2                                            | 10    |
|                   | 155                | m2x5,8/1x11                                                  | 10    |
|                   | 155                | m2x6/1x10,5/1x12                                             | 10    |
|                   | 155                | m2x6/1x7,5/2x8,5                                             | 10    |
|                   | 155                | m2x6/1x8,5                                                   | 10    |
|                   | 155                | m2x6/2x6,5/1x7/1x7,5/1x10                                    | 10    |

| Anschlussgewinde  |                    | Art.-Nr.                                                     |    |
|-------------------|--------------------|--------------------------------------------------------------|----|
| Connection thread |                    | Art. no.                                                     |    |
|                   |                    | Ausführung bitte ergänzen<br>Please complete product details |    |
| A                 | Messing/Brass      | =                                                            | st |
|                   | VA 1.4305/AISI 303 | =                                                            | PC |
|                   | PC                 | =                                                            | y  |
|                   | PVDF               | =                                                            | p  |
|                   |                    | = TPE-V                                                      |    |
| Pg 29             | 155                | m2x6,5                                                       | 10 |
|                   | 155                | m2x6,5/1x10,5                                                | 10 |
|                   | 155                | m2x7                                                         | 10 |
|                   | 155                | m2x7/1x9                                                     | 10 |
|                   | 155                | m2x8                                                         | 10 |
|                   | 155                | m2x8,5/1x13,5                                                | 10 |
|                   | 155                | m2x8,5/2x11,5                                                | 10 |
|                   | 155                | m2x9                                                         | 10 |
|                   | 155                | m2x9/1x13                                                    | 10 |
|                   | 155                | m2x9/1x15                                                    | 10 |
|                   | 155                | m2x10                                                        | 10 |
|                   | 155                | m2x11                                                        | 10 |
|                   | 155                | m2x12                                                        | 10 |
|                   | 155                | m2x13                                                        | 10 |
|                   | 155                | m3x3/7x4/1x8                                                 | 10 |
|                   | 155                | m3x3/8x5                                                     | 10 |
|                   | 155                | m3x3/8x5/1x8                                                 | 10 |
|                   | 155                | m3x7                                                         | 10 |
|                   | 155                | m3x7/3x8                                                     | 10 |
|                   | 155                | m3x9                                                         | 10 |
|                   | 155                | m3x9,5                                                       | 10 |
|                   | 155                | m3x11                                                        | 10 |
|                   | 155                | m3x12                                                        | 10 |
|                   | 155                | m4x3,5/2x7/1x11                                              | 10 |
|                   | 155                | m4x5                                                         | 10 |
|                   | 155                | m4x5,5                                                       | 10 |
|                   | 155                | m4x5,5/1x8                                                   | 10 |
|                   | 155                | m4x5,7/2x10                                                  | 10 |
|                   | 155                | m4x6/3x8,5                                                   | 10 |
|                   | 155                | m4x6,5                                                       | 10 |
|                   | 155                | m4x6,5/4x6,5SB                                               | 10 |
|                   | 155                | m4x8                                                         | 10 |
|                   | 155                | m4x9                                                         | 10 |
|                   | 155                | m4x10                                                        | 10 |
|                   | 155                | m4x11                                                        | 10 |
|                   | 155                | m5x3,5/2x5/1x6/2x6,5                                         | 10 |
|                   | 155                | m5x8                                                         | 10 |
|                   | 155                | m5x9                                                         | 10 |
|                   | 155                | m5x10                                                        | 10 |
|                   | 155                | m6x4/3x6/1x8                                                 | 10 |
|                   | 155                | m6x6                                                         | 10 |
|                   | 155                | m6x7,4                                                       | 10 |
|                   | 155                | m6x8                                                         | 10 |
|                   | 155                | m7x4,8                                                       | 10 |
|                   | 155                | m7x6/1x11                                                    | 10 |
|                   | 155                | m7x7                                                         | 10 |

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# UNI Mehrfach Pg-Kabelverschraubung

UNI Multiple Pg cable gland

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| Anschlussgewinde Art.-Nr.<br>Connection thread Art. no.      |                    |                       |         |
|--------------------------------------------------------------|--------------------|-----------------------|---------|
| Ausführung bitte ergänzen<br>Please complete product details |                    |                       |         |
|                                                              | Messing/Brass      | =                     |         |
|                                                              | VA 1.4305/AISI 303 | = st                  |         |
| A                                                            | PC                 | = PC                  | = TPE   |
|                                                              | PVDF               | = y p                 | = TPE-V |
| Pg 29                                                        | 155                | m8x5,5                | 10      |
|                                                              | 155                | m8x7                  | 10      |
|                                                              | 155                | m10x6                 | 10      |
|                                                              | 155                | m11x6                 | 10      |
|                                                              | 155                | m12x4/1x8             | 10      |
|                                                              | 155                | m12x5,3               | 10      |
|                                                              | 155                | m13x3,5/1x9,5         | 10      |
|                                                              | 155                | m16x3,5               | 10      |
|                                                              | 155                | m17x3,5               | 10      |
|                                                              | 155                | m20x3,5               | 10      |
|                                                              | 155                | m24x3                 | 10      |
|                                                              | 15556              | m1x4/1x5/2x13 *       | 5       |
|                                                              | 15556              | m1x4/2x6/4x9 *        | 5       |
|                                                              | 15556              | m1x4/5x10 *           | 5       |
|                                                              | 15556              | m1x11/1x21 *          | 10      |
|                                                              | 15556              | m1x13/1x19 *          | 5       |
|                                                              | 15556              | m1x14/1x17 *          | 5       |
|                                                              | 15556              | m2x15 *               | 10      |
|                                                              | 15556              | m3x7/4x10 *           | 5       |
|                                                              | 15556              | m4x7 *                | 5       |
|                                                              | 15556              | m4x13 *               | 5       |
|                                                              | 15556              | m7x9 *                | 5       |
|                                                              | 15556              | m8x8 *                | 5       |
|                                                              | 15556              | m8x9 *                | 5       |
|                                                              | 15556              | m12x6,4 *             | 5       |
| Pg 36                                                        | 156                | m1x5/1x9/1x11/1x19    | 5       |
|                                                              | 156                | m1x5/2x6,5/1x8,5/1x11 | 5       |
|                                                              | 156                | m1x5/3x8/1x8,5/1x9,5  | 5       |
|                                                              | 156                | m1x8/4x12,5           | 5       |
|                                                              | 156                | m1x9,5/2x13,5         | 5       |
|                                                              | 156                | m1x10/3x11,5          | 5       |
|                                                              | 156                | m1x11/1x21            | 5       |
|                                                              | 156                | m1x11/2x13            | 5       |
|                                                              | 156                | m1x12,5/1x16,5        | 5       |
|                                                              | 156                | m1x13/2x16,5          | 5       |
|                                                              | 156                | m1x14/1x17            | 5       |
|                                                              | 156                | m1x5SB/4x7/1x14       | 5       |
|                                                              | 156                | m2x8/3x10             | 5       |
|                                                              | 156                | m2x9                  | 5       |
|                                                              | 156                | m2x15                 | 5       |
|                                                              | 156                | m3x10                 | 5       |
|                                                              | 156                | m3x14,5               | 5       |
|                                                              | 156                | m4x7                  | 5       |

| Anschlussgewinde Art.-Nr.<br>Connection thread Art. no.      |                    |                            |         |
|--------------------------------------------------------------|--------------------|----------------------------|---------|
| Ausführung bitte ergänzen<br>Please complete product details |                    |                            |         |
|                                                              | Messing/Brass      | =                          |         |
|                                                              | VA 1.4305/AISI 303 | = st                       |         |
| A                                                            | PC                 | = PC                       | = TPE   |
|                                                              | PVDF               | = y p                      | = TPE-V |
| Pg 36                                                        | 156                | m4x10,2                    | 5       |
|                                                              | 156                | m4x11,5                    | 5       |
|                                                              | 156                | m4x12                      | 5       |
|                                                              | 156                | m4x13                      | 5       |
|                                                              | 156                | m5x11,5                    | 5       |
|                                                              | 156                | m6x10                      | 5       |
|                                                              | 156                | m7x9                       | 5       |
|                                                              | 156                | m8x8                       | 5       |
|                                                              | 156                | m8x9                       | 5       |
|                                                              | 156                | m11x8                      | 5       |
|                                                              | 156                | m13x7                      | 5       |
|                                                              | 156                | m15x5                      | 5       |
|                                                              | 156                | m16x6                      | 5       |
|                                                              | 15657              | m1x12/1x25 ***             | 5       |
|                                                              | 15657              | m2x17 ***                  | 5       |
| Pg 42                                                        | 157                | m1x7,5/3x11/1x13 **        | 5       |
|                                                              | 157                | m2x17 **                   | 5       |
|                                                              | 157                | m3x6,7/1x11/1x14,5 **      | 5       |
|                                                              | 157                | m5x11 **                   | 5       |
| Pg 48                                                        | 158                | m1x5,5/1x9/2x15,5 **       | 5       |
|                                                              | 158                | m1x5,5/4x15,5 **           | 5       |
|                                                              | 158                | m1x9/1x11/3x15,5 **        | 5       |
|                                                              | 158                | m1x11/1x32 **              | 5       |
|                                                              | 158                | m1x13/3x17 **              | 5       |
|                                                              | 158                | m1x30 **                   | 5       |
|                                                              | 158                | m1x35 **                   | 5       |
|                                                              | 158                | m2x4,5/2x21 **             | 5       |
|                                                              | 158                | m2x11/2x17 **              | 5       |
|                                                              | 158                | m2x15 **                   | 5       |
|                                                              | 158                | m2x16 **                   | 5       |
|                                                              | 158                | m3x12,5 **                 | 5       |
|                                                              | 158                | m3x13,5 **                 | 5       |
|                                                              | 158                | m3x14,5 **                 | 5       |
|                                                              | 158                | m3x18 **                   | 5       |
|                                                              | 158                | m4x12 **                   | 5       |
|                                                              | 158                | m4x16 **                   | 5       |
|                                                              | 158                | m6x5,1/1x10/1x10,5/2x13 ** | 5       |
|                                                              | 158                | m8x10 **                   | 5       |
|                                                              | 158                | m8x12 **                   | 5       |
|                                                              | 158                | m13x3,5/9x5,2 **           | 5       |
|                                                              | 158                | m18x7 **                   | 5       |
|                                                              | 158                | m23x3,3/4x5,1 **           | 5       |

\* Dichteinsatz kurz = Art.-Nr.: Ek... \*\* Variante PC nicht lieferbar. Variante y aus Werkstoff POM (Farbe weiß), Temperaturbereich: -40 °C bis +110 °C. Es besteht keine CSA-Zulassung.  
\* Sealing insert short = art. no.: Ek... \*\* Variant PC not available. Variant y made of POM (white colour), temperature range: -40 °C up to +110 °C, no CSA approval



**Ausführung Polycarbonat/PVDF: Schutzart IP 68 ausschließlich in Verbindung mit separat erhältlicher Flachdichtung auf Seite 468**  
Version polycarbonate/PVDF: type of protection IP 68 only in combination with separately available flat seal ring on page 468

# UNI Dicht Pg geschlossen

UNI Dicht Pg closed

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt, Edelstahl 1.4305, Polycarbonat, PVDF**  
**Pg-Anschlussgewinde**  
**Mit O-Ring HNBR/Silikon**  
**Schutzart IP 68 bis 10 bar**

Brass, nickel-plated, stainless steel AISI 303, polycarbonate, PVDF  
Pg connection thread  
With o-ring HNBR/silicone  
Type of protection IP 68 up to 10 bar

**i Anschlussgewinde mit 15 mm Länge auf Anfrage**  
Long connection thread 15 mm on request

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | d                                       | TPE                                               | Weiß<br>White    |                                         | -40 °C / +130 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | d                                       | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| VA 1.4305<br>AISI 303                                 | Blank                              | st                                      | TPE                                               | Weiß<br>White    |                                         | -40 °C / +130 °C                                             |
| VA 1.4305<br>AISI 303                                 | Blank                              | st                                      | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| PC                                                    | Grau<br>Grey                       | PC                                      | TPE                                               | Weiß<br>White    |                                         | -20 °C / +100 °C                                             |
| PC                                                    | Grau<br>Grey                       | PC                                      | TPE-V                                             | Natur<br>Natural | p                                       | -20 °C / +100 °C                                             |
| PVDF                                                  | Transparent                        | y                                       | TPE                                               | Weiß<br>White    |                                         | -40 °C / +130 °C                                             |
| PVDF                                                  | Transparent                        | y                                       | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |

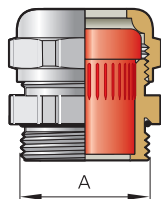


Abb. 3  
Fig. 3

| Anschlussgewinde<br>Connection thread | Art.-Nr.<br>Art. no. |                                                              |           |
|---------------------------------------|----------------------|--------------------------------------------------------------|-----------|
|                                       |                      | Ausführung bitte ergänzen<br>Please complete product details |           |
|                                       |                      | Messing/Brass = d                                            |           |
|                                       |                      | VA 1.4305/AISI 303 = st                                      |           |
|                                       |                      | PC = PC                                                      |           |
|                                       |                      | PVDF = y                                                     | p = TPE-V |
| Pg 7                                  | 149                  | g                                                            | 50        |
| Pg 9                                  | 150                  | g                                                            | 50        |
| Pg 11                                 | 151                  | g                                                            | 50        |
| Pg 13,5                               | 152                  | g                                                            | 50        |
| Pg 16                                 | 153                  | g                                                            | 50        |
| Pg 21                                 | 154                  | g                                                            | 25        |
|                                       | 154                  | g/21 *                                                       | 25        |
| Pg 29                                 | 155                  | g                                                            | 10        |
| Pg 36                                 | 156                  | g                                                            | 5         |
| Pg 42                                 | 157                  | g **                                                         | 5         |
| Pg 48                                 | 158                  | g **                                                         | 5         |

\* Variante in y und PC nicht erhältlich \*\* Variante y und PC aus Werkstoff POM (Farbe weiß); Temperaturbereich: -40 °C bis +110 °C.  
\* Variant in y and PC not available \*\* Variant y and PC made of POM (white colour), temperature range: -40 °C up to +110 °C

**i Die Anleitung zur Herstellung einer Kabelverschraubung mit eigenem Lochbild aus einem geschlossenen Dichteinsatz finden Sie im Technischen Anhang.**  
The instructions for making a cable gland with its own hole pattern from a closed sealing insert can be found in the technical appendix.

**i Maximaler Kabeldurchlass der Druckschraube (F) und maximaler Kabeldurchlass des Doppelnippels (E) siehe Technischer Anhang**  
For maximum cable passage of the pressure screw (F) and maximum cable passage of the double nipple (E), see technical appendix.

**i Hinweise zu den Baumaßen finden Sie auf Seite 483.**  
For information for the system dimensions, see page 483.

**i Farbvarianten für**  
Colour variants for  
PC: PCn = schwarz  
PVDF: ya = blau  
PC: yn = schwarz  
PVDF: PCn = black  
ya = blue  
yn = black

**i Ausführung Polycarbonat/PVDF: Schutzart IP 68 ausschließlich in Verbindung mit separat erhältlicher Flachdichtung auf Seite 468**  
Version polycarbonate/PVDF: type of protection IP 68 only in combination with separately available flat seal ring on page 468

# UNI Stecker Pg-Kabelverschraubung mit geteiltem Dichteinsatz

UNI Connector Pg cable gland with split sealing insert

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt, Edelstahl 1.4305, Polycarbonat, PVDF**  
**Pg-Anschlussgewinde**  
**Schutzart IP 68 bis 10 bar**

Brass, nickel-plated, stainless steel AISI 303, polycarbonate, PVDF  
Pg connection thread  
Type of protection IP 68 up to 10 bar



**Farbvarianten für**

Colour variants for

**PC:**

**PVDF:**

PC:

PVDF:

**PCn = schwarz**

**ya = blau**

**yn = schwarz**

PCn = black

ya = blue

yn = black

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        |                                         | TPE-V                                             | Natur<br>Natural | -40 °C / +135 °C                                             |
| VA 1.4305<br>AISI 303                                 | Blank                              | st                                      | TPE-V                                             | Natur<br>Natural | -40 °C / +135 °C                                             |
| PC                                                    | Grau<br>Grey                       | PC                                      | TPE-V                                             | Natur<br>Natural | -20 °C / +100 °C                                             |
| PVDF                                                  | Transparent                        | y                                       | TPE-V                                             | Natur<br>Natural | -40 °C / +135 °C                                             |

| Anschlussgewinde<br>Connection thread | Art.-Nr.<br>Art. no. | Ausführung bitte ergänzen<br>Please complete product details |    |  |
|---------------------------------------|----------------------|--------------------------------------------------------------|----|--|
| <b>A</b>                              | Messing/Brass        | =                                                            |    |  |
|                                       | VA 1.4305/AISI 303   | =                                                            | st |  |
|                                       | PC                   | =                                                            | PC |  |
|                                       | PVDF                 | =                                                            | y  |  |
|                                       |                      |                                                              |    |  |
| Pg 29                                 | 155                  | pmK                                                          | 10 |  |
|                                       | 155                  | pmK 1/ 5                                                     | 10 |  |
|                                       | 155                  | pmK 1/ 6                                                     | 10 |  |
|                                       | 155                  | pmK 1/ 6-1/ 8,5                                              | 10 |  |
|                                       | 155                  | pmK 1/ 7                                                     | 10 |  |
|                                       | 155                  | pmK 1/ 8                                                     | 10 |  |
|                                       | 155                  | pmK 1/10                                                     | 10 |  |
|                                       | 155                  | pmK 1/12                                                     | 10 |  |
|                                       | 155                  | pmK 1/13,5                                                   | 10 |  |
|                                       | 155                  | pmK 1/17                                                     | 10 |  |
|                                       | 155                  | pmK 1/21                                                     | 10 |  |
|                                       | 155                  | pmK 2/ 6                                                     | 10 |  |
|                                       | 155                  | pmK 2/ 8                                                     | 10 |  |
|                                       | 155                  | pmK 2/10                                                     | 10 |  |
| Pg 36                                 | 156                  | pmK                                                          | 5  |  |
|                                       | 156                  | pmK 1/ 4,5                                                   | 5  |  |
|                                       | 156                  | pmK 1/ 4,5-1/ 9-1/ 9,5                                       | 5  |  |
|                                       | 156                  | pmK 1/ 5-1/10-1/10,5                                         | 5  |  |
|                                       | 156                  | pmK 1/ 8                                                     | 5  |  |
|                                       | 156                  | pmK 1/ 8-1/10,5-1/12                                         | 5  |  |
|                                       | 156                  | pmK 1/10                                                     | 5  |  |
|                                       | 156                  | pmK 1/11                                                     | 5  |  |
|                                       | 156                  | pmK 1/12                                                     | 5  |  |
|                                       | 156                  | pmK 1/21                                                     | 5  |  |
|                                       | 156                  | pmK 1/23                                                     | 5  |  |
|                                       | 156                  | pmK 2/ 5,5-1/11,5                                            | 5  |  |
|                                       |                      |                                                              |    |  |
|                                       |                      |                                                              |    |  |

218000 | TTD1920

## UNI Stecker Pg-Kabelverschraubung mit geteiltem Dichteinsatz

UNI Connector Pg cable gland with split sealing insert

Fortsetzung von vorheriger Seite  
Continued from previous page

| Anschlussgewinde<br>Connection thread | Art.-Nr.<br>Art. no. | Ausführung bitte ergänzen<br>Please complete product details |   |    |
|---------------------------------------|----------------------|--------------------------------------------------------------|---|----|
|                                       |                      | Messing/Brass                                                | = |    |
| <b>A</b>                              |                      | VA 1.4305/AISI 303                                           | = | st |
|                                       |                      | PC                                                           | = | PC |
|                                       |                      | PVDF                                                         | = | y  |
|                                       |                      |                                                              |   |    |
| Pg 36                                 | 156                  | pmK 2/ 6                                                     |   | 5  |
|                                       | 156                  | pmK 2/11,5                                                   |   | 5  |
|                                       | 156                  | pmK 3/ 7,2                                                   |   | 5  |
|                                       | 156                  | pmK 3/ 7,5                                                   |   | 5  |
|                                       | 156                  | pmK 3/ 7,8                                                   |   | 5  |
|                                       | 156                  | pmK 3/10                                                     |   | 5  |
| Pg 42                                 | 157                  | pmK *                                                        |   | 5  |
|                                       | 157                  | pmK 1/ 9 *                                                   |   | 5  |
|                                       | 157                  | pmK 1/26 *                                                   |   | 5  |
|                                       | 157                  | pmK 1/27 *                                                   |   | 5  |
|                                       | 157                  | pmK 1/30 *                                                   |   | 5  |

| Anschlussgewinde<br>Connection thread | Art.-Nr.<br>Art. no. | Ausführung bitte ergänzen<br>Please complete product details |   |    |
|---------------------------------------|----------------------|--------------------------------------------------------------|---|----|
|                                       |                      | Messing/Brass                                                | = |    |
| <b>A</b>                              |                      | VA 1.4305/AISI 303                                           | = | st |
|                                       |                      | PC                                                           | = | PC |
|                                       |                      | PVDF                                                         | = | y  |
|                                       |                      |                                                              |   |    |
| Pg 42                                 | 157                  | pmK 1/32 *                                                   |   | 5  |
|                                       | 157                  | pmK 2/ 9 *                                                   |   | 5  |
| Pg 48                                 | 158                  | pmK *                                                        |   | 5  |
|                                       | 158                  | pmK 1/ 6 *                                                   |   | 5  |
|                                       | 158                  | pmK 1/ 6-1/ 8 *                                              |   | 5  |
|                                       | 158                  | pmK 1/ 8 *                                                   |   | 5  |
|                                       | 158                  | pmK 1/28 *                                                   |   | 5  |
|                                       | 158                  | pmK 1/29 *                                                   |   | 5  |
|                                       | 158                  | pmK 1/32 *                                                   |   | 5  |
|                                       | 158                  | pmK 2/ 8 *                                                   |   | 5  |

\* Variante y und PC aus Werkstoff POM (Farbe weiß); Temperaturbereich: -40 °C bis +110 °C.

\* Variant y and PC made of POM (white colour), temperature range: -40 °C up to +110 °C

### i

#### Das Problem:

Häufig liegen Geräte bereits installiert mit konfektionierten Bauteilen an der Anschlussleitung vor. In der Praxis lassen sich diese Leitungen nur mit geteilten Flanschplatten installieren.

#### Die Lösung:

Im PFLITSCH-System UNI Stecker sind Dichteinsätze in der Verschraubungsachse geteilt.

- voll, zum Selberbohren mit geeignetem Bohrer
- mit einer Bohrung
- mit mehreren Bohrungen
- Technische Details siehe Seite 477

#### The problem:

Equipment is frequently installed with assembled components on the connection line. Practically speaking, these lines can only be installed with divided flange plates.

#### The solution:

In the PFLITSCH UNI Connector system, the sealing inserts are divided on the gland axis.

- Full, for self-drilling with drill
- With one borehole
- With several boreholes
- Technical details see page 477

## UNI Dicht ASI-Bus Pg-Kabelverschraubung

UNI Dicht ASI-Bus Pg cable gland

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt**  
**Pg-Anschlussgewinde**  
**Mit O-Ring HNBR**  
**Schutzart IP 68 bis 10 bar**

Brass, nickel-plated  
Pg connection thread  
With o-ring HNBR  
Type of protection IP 68 up to 10 bar

**i** Ausführung in Polycarbonat auf Anfrage  
Polycarbonate version on request

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|---------------------------------------------------|------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE-V                                             | Natur<br>Natural | -40 °C / +135 °C                                             |

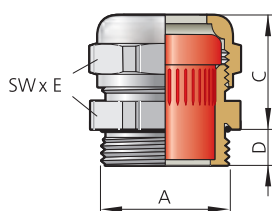


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no. | Version ASI<br>Version ASI  | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width |                                                                                     |
|-----------------------------------------------------|---------|----------------------|-----------------------------|----------------------------|---------------------------------|-------------------------------------------------------------------------------------|
| A                                                   | D<br>mm |                      |                             | C<br>mm                    | SW x E<br>mm                    |  |
| Pg 13,5                                             | 6,5     | 152pm2xASI L         | 2x links/2x left            | 21,0                       | 22x24,4                         | 50                                                                                  |
|                                                     |         | 152pm2xASI R         | 2x rechts/2x right          | 21,0                       | 22x24,4                         | 50                                                                                  |
|                                                     |         | 152pf4,2ASI10L       | links/left                  | 21,0                       | 22x24,4                         | 50                                                                                  |
|                                                     |         | 152pfm2xASIL/R       | links & rechts/left & right | 21,0                       | 22x24,4                         | 50                                                                                  |
|                                                     |         | 152pf4,2ASI10R       | rechts/right                | 21,0                       | 22x24,4                         | 50                                                                                  |

Abb. 4 – ASI-Kabelquerschnitt links = lange Bezugs-  
kante  
Fig. 4 – ASI cable cross section left = long reference  
edge

## UNI Dicht ASI-Bus Pg-Kabelverschraubung

UNI Dicht ASI-Bus Pg cable gland

CE RoHS



Abb. 1  
Fig. 1

**Edelstahl 1.4305**  
**Pg-Anschlussgewinde**  
**Mit O-Ring Silikon**  
**Schutzart IP 68 bis 10 bar**

Stainless steel AISI 303  
Pg connection thread  
With o-ring silicone  
Type of protection IP 68 up to 10 bar

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|---------------------------------------------------|------------------|--------------------------------------------------------------|
| VA 1.4305<br>AISI 303                                 | Blank                              | TPE-V                                             | Natur<br>Natural | -40 °C / +135 °C                                             |

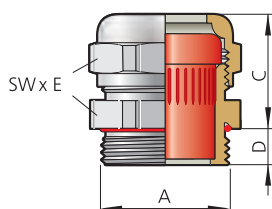


Abb. 2  
Fig. 2

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no. | Version ASI<br>Version ASI  | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width |                                                                                       |
|-----------------------------------------------------|---------|----------------------|-----------------------------|----------------------------|---------------------------------|---------------------------------------------------------------------------------------|
| A                                                   | D<br>mm |                      |                             | C<br>mm                    | SW x E<br>mm                    |  |
| Pg 13,5                                             | 6,5     | 152stpm2xASI L       | 2x links/2x left            | 21,0                       | 22x24,4                         | 50                                                                                    |
|                                                     |         | 152stpm2xASI R       | 2x rechts/2x right          | 21,0                       | 22x24,4                         | 50                                                                                    |
|                                                     |         | 152stpf4,2ASI10L     | links/left                  | 21,0                       | 22x24,4                         | 50                                                                                    |
|                                                     |         | 152stpfm2xASIL/R     | links & rechts/left & right | 21,0                       | 22x24,4                         | 50                                                                                    |
|                                                     |         | 152stpf4,2ASI10R     | rechts/right                | 21,0                       | 22x24,4                         | 50                                                                                    |

Abb. 3 – ASI-Kabelquerschnitt 2-fach links = lange  
Bezugs-  
kante  
Fig. 3 – ASI cable cross section dual left = long  
reference edge

# UNI Dicht ASI-Bus Pg-Kabelverschraubung

UNI Dicht ASI-Bus Pg cable gland

RoHS



**PVDF, Farbe: transparent, blau (RAL 5015), schwarz (RAL 9005)**  
**Pg-Anschlussgewinde**  
**Schutzart IP 68 bis 10 bar**

*PVDF, colour: transparent, blue (RAL 5015), black (RAL 9005)*  
*Pg connection thread*  
*Type of protection IP 68 up to 10 bar*

Abb. 1  
Fig. 1



**Schutzart IP 68 ausschließlich in Verbindung mit separat erhältlicher Flachdichtung auf Seite 468**  
*Type of protection IP 68 only in combination with separately available flat sealing ring on page 468*

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|--------------------------------------------------------------|
| PVDF                                                  | Transparent                        |                                         | TPE-V                                             | Natur<br>Natural | -40 °C / +135 °C                                             |
| PVDF                                                  | Blau<br>Blue                       | a                                       | TPE-V                                             | Natur<br>Natural | -40 °C / +135 °C                                             |
| PVDF                                                  | Schwarz<br>Black                   | n                                       | TPE-V                                             | Natur<br>Natural | -40 °C / +135 °C                                             |

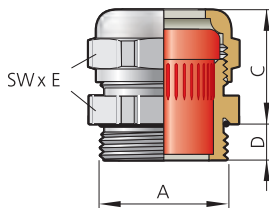


Abb. 2  
Fig. 2

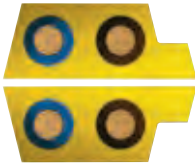


Abb. 3 – ASI-Kabelquerschnitt links & rechts = lange Bezugskante  
Fig. 3 – ASI cable cross section left & right = long reference edge

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Version ASI<br>Version ASI | Bauhöhe<br>Mounting height  | Schlüsselweite<br>Spanner width |
|-----------------------------------------------------|---------|--------------------------------------------------------------|----------------------------|-----------------------------|---------------------------------|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                            |                             |                                 |
|                                                     |         | Transparent                                                  | =                          |                             |                                 |
|                                                     |         | Blau/Blue                                                    | = a                        |                             |                                 |
|                                                     |         | Schwarz/Black                                                | = n                        |                             |                                 |
| A                                                   | D<br>mm |                                                              |                            | C<br>mm                     | SW x E<br>mm                    |
| Pg 13,5                                             | 9,0     | 152y                                                         | pm2xASI L                  | 2x links/2x left            | 22,0 24x26,5 50                 |
|                                                     |         | 152y                                                         | pm2xASI R                  | 2x rechts/2x right          | 22,0 24x26,5 50                 |
|                                                     |         | 152y                                                         | pf4,2ASI10L                | links/left                  | 22,0 24x26,5 50                 |
|                                                     |         | 152y                                                         | pfm2xASIL/R                | links & rechts/left & right | 22,0 24x26,5 50                 |
|                                                     |         | 152y                                                         | pf4,2ASI10R                | rechts/right                | 22,0 24x26,5 50                 |

23200 | T102600

# UNI Flach Pg-Kabelverschraubung – Gerundet

UNI Flat Pg cable gland – Rounded

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt, Edelstahl 1.4305, Polycarbonat, PVDF**  
**Pg-Anschlussgewinde**  
**Schutzart IP 65 – Form gerundet**

Brass, nickel-plated, stainless steel AISI 303, polycarbonate, PVDF  
Pg connection thread  
Type of protection IP 65 – rounded shape



**Farbvarianten für**

Colour variants for

**PC:**

**PVDF:**

PC:

PVDF:

**PCn = schwarz**

**ya = blau**

**yn = schwarz**

PCn = black

ya = blue

yn = black

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        |                                         | TPE                                               | Weiß<br>White    |                                         | -40 °C / +130 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        |                                         | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| VA 1.4305<br>AISI 303                                 | Blank                              | st                                      | TPE                                               | Weiß<br>White    |                                         | -40 °C / +130 °C                                             |
| VA 1.4305<br>AISI 303                                 | Blank                              | st                                      | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| PC                                                    | Grau<br>Grey                       | PC                                      | TPE                                               | Weiß<br>White    |                                         | -20 °C / +100 °C                                             |
| PC                                                    | Grau<br>Grey                       | PC                                      | TPE-V                                             | Weiß<br>White    | p                                       | -20 °C / +100 °C                                             |
| PVDF                                                  | Transparent                        | y                                       | TPE                                               | Weiß<br>White    |                                         | -40 °C / +130 °C                                             |
| PVDF                                                  | Transparent                        | y                                       | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |

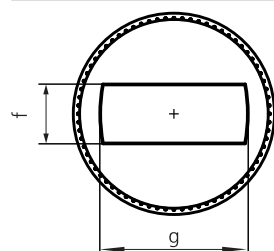


Abb. 3  
Fig. 3

| Anschlussgewinde<br>Connection thread |                    | Art.-Nr.<br>Art. no.                                         |           |
|---------------------------------------|--------------------|--------------------------------------------------------------|-----------|
|                                       |                    | Ausführung bitte ergänzen<br>Please complete product details |           |
| A                                     | Messing/Brass      | =                                                            |           |
|                                       | VA 1.4305/AISI 303 | = st                                                         |           |
|                                       | PC                 | = PC                                                         | = TPE     |
|                                       | PVDF               | = y                                                          | p = TPE-V |
| Pg 9                                  | 150                | f 3,5g 5,5                                                   | 50        |
| Pg 11                                 | 151                | f 2,8g 10,5                                                  | 50        |
|                                       | 151                | f 3,5g 6                                                     | 50        |
|                                       | 151                | f 3,5g 9                                                     | 50        |
|                                       | 151                | f 4 g 6                                                      | 50        |
| Pg 13,5                               | 152                | f 3 g 12                                                     | 50        |
|                                       | 152                | f 3g 12                                                      | 50        |
|                                       | 152                | f 4,5g 10                                                    | 50        |
|                                       | 152                | f 5 g 11                                                     | 50        |
|                                       | 152                | f 5 g 12                                                     | 50        |
|                                       | 152                | f 6,5g 11                                                    | 50        |
| Pg 16                                 | 153                | f 5 g 12                                                     | 50        |
|                                       | 153                | f 5 g 10                                                     | 50        |
|                                       | 153                | f 5 g 16                                                     | 50        |
|                                       | 153                | f 5,5g 14                                                    | 50        |
|                                       | 153                | f 6 g 13                                                     | 50        |
|                                       | 153                | f 7,5g 14                                                    | 50        |
| Pg 21                                 | 154                | f 5 g 17                                                     | 25        |
|                                       | 154                | f 7 g 18                                                     | 25        |
| Pg 29                                 | 155                | f 10 g 25                                                    | 10        |
|                                       | 155                | f 10 g 29                                                    | 10        |
|                                       | 155                | f 13 g 28                                                    | 10        |
|                                       | 155                | f 6 g 29                                                     | 10        |
|                                       | 155                | f 8 g 25                                                     | 10        |

23500 | TTD 1900

## UNI Flach Pg-Kabelverschraubung – Gerundet

UNI Flat Pg cable gland – Rounded

◀ Fortsetzung von vorheriger Seite  
Continued from previous page

| Anschlussgewinde<br>Connection thread | Art.-Nr.<br>Art. no. | Ausführung bitte ergänzen<br>Please complete product details |      |                                                                                   |
|---------------------------------------|----------------------|--------------------------------------------------------------|------|-----------------------------------------------------------------------------------|
|                                       |                      | Messing/Brass                                                | =    |                                                                                   |
| <b>A</b>                              |                      | VA 1.4305/AISI 303                                           | = st |                                                                                   |
|                                       |                      | PC                                                           | = PC | = TPE                                                                             |
|                                       |                      | PVDF                                                         | = y  | p = TPE-V                                                                         |
|                                       |                      |                                                              |      |  |
| Pg 36                                 | 156                  | f11 g34                                                      |      | 5                                                                                 |
|                                       | 156                  | f12 g35                                                      |      | 5                                                                                 |
|                                       | 156                  | f 6 g30                                                      |      | 5                                                                                 |
|                                       | 156                  | f 6 g36                                                      |      | 5                                                                                 |
|                                       | 156                  | f 8 g36                                                      |      | 5                                                                                 |
| Pg 42                                 | 157                  | f10 g38 *                                                    |      | 5                                                                                 |
|                                       | 157                  | f13 g35 *                                                    |      | 5                                                                                 |

| Anschlussgewinde<br>Connection thread | Art.-Nr.<br>Art. no. | Ausführung bitte ergänzen<br>Please complete product details |      |                                                                                     |
|---------------------------------------|----------------------|--------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|                                       |                      | Messing/Brass                                                | =    |                                                                                     |
| <b>A</b>                              |                      | VA 1.4305/AISI 303                                           | = st |                                                                                     |
|                                       |                      | PC                                                           | = PC | = TPE                                                                               |
|                                       |                      | PVDF                                                         | = y  | p = TPE-V                                                                           |
|                                       |                      |                                                              |      |  |
| Pg 42                                 | 157                  | f14,5g37 *                                                   |      | 5                                                                                   |
|                                       | 157                  | f 6 g38 *                                                    |      | 5                                                                                   |
| Pg 48                                 | 158                  | f14,5g39 *                                                   |      | 5                                                                                   |
|                                       | 158                  | f15 g45 *                                                    |      | 5                                                                                   |
|                                       | 158                  | f 6,5g47 *                                                   |      | 5                                                                                   |
|                                       | 158                  | f 9 g43 *                                                    |      | 5                                                                                   |

\* Variante PC nicht lieferbar. Variante y aus Werkstoff POM (Farbe weiß), Temperaturbereich: -40 °C bis +110 °C

\* Variant PC not available. Variant y made of POM (white colour), temperature range: -40 °C up to +110 °C

23560 | T101900

# UNI Flach Pg-Kabelverschraubung – Oval

UNI Flat Pg cable gland – Oval

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt, Edelstahl 1.4305, Polycarbonat, PVDF**  
**Pg-Anschlussgewinde**  
**Schutzart IP 65 – Form oval**

Brass, nickel-plated, stainless steel AISI 303, polycarbonate, PVDF  
Pg connection thread  
Type of protection IP 65 – oval shape



**Farbvarianten für**

Colour variants for

**PC:**

**PVDF:**

PC:

PVDF:

**PCn = schwarz**

**ya = blau**

**yn = schwarz**

PCn = black

ya = blue

yn = black

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        |                                         | TPE                                               | Weiß<br>White    |                                         | -40 °C / +130 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        |                                         | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| VA 1.4305<br>AISI 303                                 | Blank                              | st                                      | TPE                                               | Weiß<br>White    |                                         | -40 °C / +130 °C                                             |
| VA 1.4305<br>AISI 303                                 | Blank                              | st                                      | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| PC                                                    | Grau<br>Grey                       | PC                                      | TPE                                               | Weiß<br>White    |                                         | -20 °C / +100 °C                                             |
| PC                                                    | Grau<br>Grey                       | PC                                      | TPE-V                                             | Weiß<br>White    | p                                       | -20 °C / +100 °C                                             |
| PVDF                                                  | Transparent                        | y                                       | TPE                                               | Weiß<br>White    |                                         | -40 °C / +130 °C                                             |
| PVDF                                                  | Transparent                        | y                                       | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |

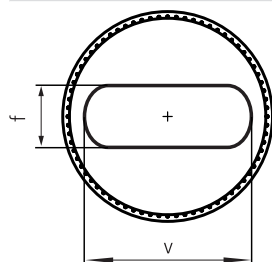


Abb. 3  
Fig. 3

| Anschlussgewinde<br>Connection thread | Art.-Nr.<br>Art. no. | Ausführung bitte ergänzen<br>Please complete product details |           |
|---------------------------------------|----------------------|--------------------------------------------------------------|-----------|
|                                       |                      |                                                              |           |
| A                                     | Messing/Brass        | =                                                            |           |
|                                       | VA 1.4305/AISI 303   | = st                                                         |           |
|                                       | PC                   | = PC                                                         | = TPE     |
|                                       | PVDF                 | = y                                                          | p = TPE-V |
| Pg 7                                  | 149                  | f 1,2v 4                                                     | 50        |
|                                       | 149                  | f 2 v 4                                                      | 50        |
| Pg 11                                 | 151                  | f 4,5v 7                                                     | 50        |
| Pg 13,5                               | 152                  | f 2,5v10                                                     | 50        |
|                                       | 152                  | f 5 v 8                                                      | 50        |
|                                       | 152                  | f 5 v12                                                      | 50        |
|                                       | 152                  | f 6 v 9,1                                                    | 50        |
|                                       | 152                  | f 8 v10,5                                                    | 50        |
| Pg 16                                 | 153                  | f 5 v 7                                                      | 50        |
|                                       | 153                  | f 5 v10                                                      | 50        |
|                                       | 153                  | f 5 v12                                                      | 50        |
|                                       | 153                  | f 5 v15                                                      | 50        |
|                                       | 153                  | f 5,5v 8,5                                                   | 50        |
|                                       | 153                  | f 6 v12,5                                                    | 50        |
|                                       | 153                  | f 6 v14                                                      | 50        |
|                                       | 153                  | f 6 v15                                                      | 50        |
|                                       | 153                  | f 6,5v16,5                                                   | 50        |
|                                       | 153                  | f 7 v14                                                      | 50        |
|                                       | 153                  | f 8 v10,5                                                    | 50        |
|                                       | 153                  | f 9 v15                                                      | 50        |
| Pg 21                                 | 154                  | f 5 v16                                                      | 25        |
|                                       | 154                  | f 7 v16,5                                                    | 25        |
|                                       | 154                  | f 7 v18                                                      | 25        |
|                                       | 154                  | f 7 v20                                                      | 25        |

236900 | TT01900

## UNI Flach Pg-Kabelverschraubung – Oval

UNI Flat Pg cable gland – Oval

Fortsetzung von vorheriger Seite  
Continued from previous page

| Anschlussgewinde<br>Connection thread                        |                    | Art.-Nr.<br>Art. no. |         |
|--------------------------------------------------------------|--------------------|----------------------|---------|
| Ausführung bitte ergänzen<br>Please complete product details |                    |                      |         |
| A                                                            | Messing/Brass      | =                    |         |
|                                                              | VA 1.4305/AISI 303 | = st                 |         |
|                                                              | PC                 | = PC                 | = TPE   |
|                                                              | PVDF               | = y p                | = TPE-V |
| Pg 29                                                        | 155                | f 4 v23              | 10      |
|                                                              | 155                | f 8 v25              | 10      |
|                                                              | 155                | f10 v27              | 10      |
| Pg 36                                                        | 156                | f11 v35              | 5       |
|                                                              | 156                | f13 v30,5            | 5       |

\* Variante y aus Werkstoff POM (Farbe weiß); Temperaturbereich: -40 °C bis +110 °C

\* Variant y made of POM (white colour), temperature range: -40 °C up to +110 °C

| Anschlussgewinde<br>Connection thread                        |                    | Art.-Nr.<br>Art. no. |         |
|--------------------------------------------------------------|--------------------|----------------------|---------|
| Ausführung bitte ergänzen<br>Please complete product details |                    |                      |         |
| A                                                            | Messing/Brass      | =                    |         |
|                                                              | VA 1.4305/AISI 303 | = st                 |         |
|                                                              | PC                 | = PC                 | = TPE   |
|                                                              | PVDF               | = y p                | = TPE-V |
| Pg 36                                                        | 156                | f 5,5v31             | 5       |
|                                                              | 156                | f 6,5v32             | 5       |
| Pg 42                                                        | 157                | f 6 v41 *            | 5       |
|                                                              | 157                | f 9 v38 *            | 5       |
| Pg 48                                                        | 158                | f 9 v43 *            | 5       |

23600 | T101900

# UNI Flach Pg-Kabelverschraubung – Eckig

UNI Flat Pg cable gland – Angular

CE RoHS



Messing vernickelt, Edelstahl 1.4305, Polycarbonat, PVDF

Pg-Anschlussgewinde

Schutzart IP 43 – Form eckig

Brass, nickel-plated, stainless steel AISI 303, polycarbonate, PVDF

Pg connection thread

Type of protection IP 43 – angular shape

Abb. 1  
Fig. 1



Farbvarianten für

Colour variants for

PC:  
PVDF:

PC:  
PVDF:

PCn = schwarz  
ya = blau  
yn = schwarz  
PCn = black  
ya = blue  
yn = black

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        |                                         | TPE                                               | Weiß<br>White    |                                         | -40 °C / +130 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        |                                         | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| VA 1.4305<br>AISI 303                                 | Blank                              | st                                      | TPE                                               | Weiß<br>White    |                                         | -40 °C / +130 °C                                             |
| VA 1.4305<br>AISI 303                                 | Blank                              | st                                      | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| PC                                                    | Grau<br>Grey                       | PC                                      | TPE                                               | Weiß<br>White    |                                         | -20 °C / +100 °C                                             |
| PC                                                    | Grau<br>Grey                       | PC                                      | TPE-V                                             | Weiß<br>White    | p                                       | -20 °C / +100 °C                                             |
| PVDF                                                  | Transparent                        | y                                       | TPE                                               | Weiß<br>White    |                                         | -40 °C / +130 °C                                             |
| PVDF                                                  | Transparent                        | y                                       | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |

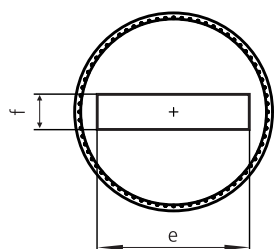


Abb. 2  
Fig. 2

| Anschlussgewinde<br>Connection thread | Art.-Nr.<br>Art. no. | Ausführung bitte ergänzen<br>Please complete product details |           |
|---------------------------------------|----------------------|--------------------------------------------------------------|-----------|
| A                                     | Messing/Brass        | =                                                            |           |
|                                       | VA 1.4305/AISI 303   | = st                                                         |           |
|                                       | PC                   | = PC                                                         | = TPE     |
|                                       | PVDF                 | = y                                                          | p = TPE-V |
| Pg 16                                 | 153                  | f 8 e12                                                      | 50        |
| Pg 21                                 | 154                  | f 4 e15                                                      | 25        |
| Pg 29                                 | 155                  | f 6 e26                                                      | 10        |
|                                       | 155                  | f 7 e26                                                      | 10        |
| Pg 36                                 | 156                  | f 8 e30                                                      | 5         |
| Pg 42                                 | 157                  | f 5,5e37 *                                                   | 5         |
|                                       | 157                  | f 6 e39 *                                                    | 5         |

\* Variante y aus Werkstoff POM (Farbe weiß); Temperaturbereich: -40 °C bis +110 °C

\* Variant y made of POM (white colour), temperature range: -40 °C up to +110 °C

23610 | TT01900

## **Zugentlastung und Biegeschutz – Pg**

*Strain relief  
and bending protection – Pg*



1



2



3

Abb. 1 – UNI Biegeschutz Dicht-Kabelverschraubung  
Fig. 1 – UNI Dicht Bending protection cable gland

Abb. 2 – UNI Zug Dicht-Kabelverschraubung  
Fig. 2 – UNI Dicht Strain relief cable gland

Abb. 3 – UNI Flex Dicht  
Fig. 3 – UNI Flex Dicht

### Erhöhte Zugentlastung inklusive

PFLITSCH-Kabelverschraubungen verfügen bereits serienmäßig über Zugentlastungswerte, die der Norm EN 62444, Klasse A, entsprechen. Noch mehr Sicherheit durch erhöhte Zugentlastung bringen die Baureihen UNI Zug, UNI Klemm und UNI Biege Zug aus dem UNI Dicht-Baukasten. Ebenso sind hier Lösungen für einen umfassenden Biegeschutz zu finden.

### UNI Zug mit integrierten Spannbacken

Bei der UNI Zug bestehen die Dichteinsätze aus TPE und TPE-V mit integrierten Klemmkörpern aus PA, die wie ein Spannfutter wirken und Zugkräfte bis über 200 N am Kabel vibrationsfest abfangen.

### UNI Klemm mit Bügelschellen

Mit zwei Bügelschellen an der Druckschraube lassen sich bei der UNI Klemm Kabel sicher fixieren. Dabei werden Zugkräfte bis über 500 N abgefangen. UNI Klemm entspricht damit der in der Norm EN 62444 geforderten „Ausführung B“.

### UNI Biegeschutz Dicht-Kabelverschraubungen

Diese Kabelverschraubungen verhindern durch eine lange, konische Biegeschutztülle aus TPE, dass die Kabel an der Biegestelle beschädigt werden. Die Tülle liegt fest am Kabel an und hält äußere Einflüsse, wie z. B. UV-Strahlung und aggressive Medien, von dem unter Biegestress stehenden Kabelabschnitt fern. Zur einfacheren Montage kann die Tülle aufgeweitet werden, um das Kabel leichter durchschieben zu können.

### UNI Biege Zug – die perfekte Kombination

Eine interessante Variante ist die UNI Biege Zug-Kabelverschraubung. Ihr Dichteinsatz ist mit Spannbacken für eine vibrationsfeste Zugentlastung ausgestattet und verfügt über eine angespritzte große Tülle, die das Kabel sicher vor dem Abknicken schützt, beispielsweise bei Industrie-Steckverbindern.

### UNI Flex für noch mehr Biegeschutz

Mit einer speziell gewendelten Edelstahlfeder mit progressiver Kennlinie optimiert die UNI Flex die Verteilung der Biegebeanspruchungen des Kabels. Auf etwa 10 cm Länge fängt diese Kabelverschraubung selbst hohe dynamische Biegebelastungen am Kabeleintritt sicher ab.

### Increased strain relief included

PFLITSCH cable glands are produced as standard with strain relief values that correspond to the EN 62444 class A standard. The models UNI Strain relief, UNI Clamping and UNI Bending Strain relief from the UNI Dicht modular range provide even more safety with increased strain relief.

### UNI Strain relief with integrated clamping jaws

With UNI Strain relief, the sealing inserts made of TPE and TPE-V are fitted with integrated clamping bodies made of PA which act like clamping jaws. Tractive forces on the cable are intercepted up to 200 N with vibration resistance.

### UNI Clamping with clips

With two clips on the pressure screw, cables can be securely fixated using UNI Clamping. Tractive forces of up to over 500 N can be absorbed here. UNI Clamping is thus consistent with "Execution B" in the EN 62444 standard.

### UNI Dicht Bending protection cable glands

These cable glands prevent – through a long, conical bending protection socket made of TPE – cables from being damaged at the bending point. The socket fits rigidly to the cable and keeps external influences, such as UV radiation and aggressive media, away from the section of cable which is under bending strain. The socket can be widened for simpler mounting for the cable to be pushed through more easily.

### UNI Bending Strain relief – the perfect combination

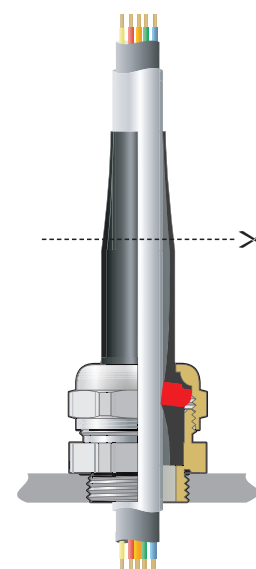
An interesting variant is the UNI Bending Strain relief cable gland. Its sealing insert is fitted with clamping jaws and is equipped with an extruded large nozzle, reliably protecting the cable against kinking, for example, in industrial plug connectors.

### UNI Flex for even more bending protection

UNI Flex optimises distribution of the cable's bending loads with a specially coiled stainless steel spring with progressive characteristic. This cable gland will safely absorb even high dynamic bending loads at the cable entry over a length of approx. 10 cm.



1



2

✂ Durch Kürzen des Konus wird die Tülle auf den jeweiligen Kabelquerschnitt angepasst.

✂ Shortening the cone enables the socket to be adapted to the particular cable cross section concerned.

Abb. 1 – UNI Klemm Dicht-Kabelverschraubung  
Fig. 1 – UNI Clamping Dicht cable gland

Abb. 2 – Schema UNI Biege Zug  
Fig. 2 – Section of the UNI Bending Strain relief

# UNI Zug Dicht Pg-Kabelverschraubung

UNI Dicht Strain relief Pg cable gland

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt**  
**Pg-Anschlussgewinde**  
**Mit O-Ring HNBR**  
**Schutzart IP 54**

Brass, nickel-plated  
Pg connection thread  
With o-ring HNBR  
Type of protection IP 54



**Auf Anfrage erhältlich: Anschlussgewinde 15 mm und Ausführung in Edelstahl**

Available on request: connection thread 15 mm and stainless steel version

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE                                               | s. FC<br>s. CC   |                                         | -20 °C / +100 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE-V                                             | Natur<br>Natural | p                                       | -20 °C / +100 °C                                             |

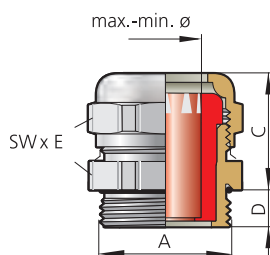


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |                   | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width |    |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|-------------------|----------------------------|---------------------------------|----|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |                   |                            |                                 |    |
| A                                                   | D<br>mm | TPE<br>= 149<br>TPE-V<br>= 14950                             |                               | max./min. ø<br>mm | C<br>mm                    | SW x E<br>mm                    |    |
| Pg 7                                                | 5,0     | 149                                                          | z 7                           | 6,5 – 4,0         | 20,0                       | 14x15,5                         | 50 |
|                                                     |         | 14950                                                        | z 9                           | 9,0 – 5,5         | 20,0                       | 17x18,9                         | 50 |
| Pg 9                                                | 6,0     | 150                                                          | z 7                           | 6,5 – 4,0         | 20,0                       | 17x18,9                         | 50 |
|                                                     |         | 150                                                          | z 9                           | 9,0 – 5,5         | 20,0                       | 17x18,9                         | 50 |
|                                                     |         | 15051                                                        | z11                           | 10,0 – 6,0        | 21,0                       | 20x22,2                         | 50 |
|                                                     |         | 15052                                                        | z13 *                         | 12,0 – 8,0        | 21,0                       | 22x24,4                         | 50 |
| Pg 11                                               | 6,0     | 151                                                          | z 9                           | 9,0 – 5,5         | 20,0                       | 20x22,2                         | 50 |
|                                                     |         | 151                                                          | z11                           | 10,0 – 6,0        | 20,0                       | 20x22,2                         | 50 |
|                                                     |         | 15152                                                        | z13                           | 12,0 – 8,0        | 21,0                       | 22x24,4                         | 50 |
| Pg 13,5                                             | 6,5     | 152                                                          | z 9                           | 9,0 – 5,5         | 21,0                       | 22x24,4                         | 50 |
|                                                     |         | 152                                                          | z11                           | 10,0 – 6,0        | 21,0                       | 22x24,4                         | 50 |
|                                                     |         | 152                                                          | z13                           | 12,0 – 8,0        | 21,0                       | 22x24,4                         | 50 |
|                                                     |         | 15253                                                        | z16                           | 15,0 – 12,0       | 21,0                       | 24x26,7                         | 50 |
|                                                     |         | 15254                                                        | z18                           | 17,0 – 14,0       | 25,0                       | 30x33,5                         | 25 |
|                                                     |         | 15254                                                        | z20                           | 20,0 – 16,0       | 25,0                       | 30x33,5                         | 25 |
|                                                     |         |                                                              |                               |                   |                            |                                 |    |
| Pg 16                                               | 6,5     | 153                                                          | z11                           | 10,0 – 6,0        | 21,0                       | 24x26,7                         | 50 |
|                                                     |         | 153                                                          | z13                           | 12,0 – 8,0        | 21,0                       | 24x26,7                         | 50 |
|                                                     |         | 153                                                          | z16                           | 15,0 – 12,0       | 21,0                       | 24x26,7                         | 50 |
|                                                     |         | 15354                                                        | z18                           | 17,0 – 14,0       | 24,0                       | 30x33,5                         | 25 |
|                                                     |         | 15354                                                        | z20                           | 20,0 – 16,0       | 24,0                       | 30x33,5                         | 25 |
|                                                     |         | 15355                                                        | z25                           | 24,0 – 20,0       | 27,0                       | 40x43,5                         | 25 |
|                                                     |         | 15355                                                        | z28                           | 27,0 – 23,0       | 27,0                       | 40x43,5                         | 25 |
|                                                     |         |                                                              |                               |                   |                            |                                 |    |
| Pg 21                                               | 7,0     | 154                                                          | z13                           | 12,0 – 8,0        | 25,0                       | 30x33,5                         | 25 |
|                                                     |         | 154                                                          | z16                           | 15,0 – 12,0       | 25,0                       | 30x33,5                         | 25 |
|                                                     |         | 154                                                          | z18                           | 17,0 – 14,0       | 25,0                       | 30x33,5                         | 25 |
|                                                     |         | 154                                                          | z20                           | 20,0 – 16,0       | 25,0                       | 30x33,5                         | 25 |
|                                                     |         | 15455                                                        | z25                           | 24,0 – 20,0       | 27,0                       | 40x43,5                         | 10 |
|                                                     |         | 15455                                                        | z28                           | 27,0 – 23,0       | 27,0                       | 40x43,5                         | 10 |
|                                                     |         |                                                              |                               |                   |                            |                                 |    |
| Pg 29                                               | 8,0     | 155                                                          | z21                           | 20,0 – 16,0       | 28,0                       | 40x43,5                         | 10 |
|                                                     |         | 155                                                          | z25                           | 24,0 – 20,0       | 28,0                       | 40x43,5                         | 10 |
|                                                     |         | 155                                                          | z28                           | 27,0 – 23,0       | 28,0                       | 40x43,5                         | 10 |
|                                                     |         | 15556                                                        | z32                           | 31,5 – 27,0       | 28,0                       | 50x54                           | 10 |
|                                                     |         | 15556                                                        | z36                           | 36,0 – 32,0       | 28,0                       | 50x54                           | 10 |
| Pg 36                                               | 9,0     | 156                                                          | z32                           | 31,5 – 27,0       | 28,0                       | 50x54                           | 10 |
|                                                     |         | 156                                                          | z36                           | 36,0 – 32,0       | 28,0                       | 50x54                           | 10 |
|                                                     |         | 15657                                                        | z40                           | 40,0 – 34,0       | 30,0                       | 57x61                           | 5  |
| Pg 42                                               | 10,0    | 157                                                          | z40                           | 40,0 – 34,0       | 30,0                       | 57x61                           | 5  |
| Pg 48                                               | 10,0    | 158                                                          | z44                           | 43,0 – 39,0       | 30,0                       | 64x69                           | 5  |

\* Dichteinsatz kurz = Art.-Nr.: Ek...  
\* Sealing insert short = art. no.: Ek...



**Passende Gegenmuttern ab Seite 442**  
Corresponding locknuts see from page 442

# UNI Zug Dicht Pg-Kabelverschraubung

UNI Dicht Strain relief Pg cable gland

RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

Polycarbonat, Farbe: grau (RAL 7035), schwarz (RAL 9005)

Pg-Anschlussgewinde

Schutzart IP 54

Polycarbonate, colour: grey (RAL 7035), black (RAL9005)

Pg connection thread

Type of protection IP 54



Passende Gegenmuttern ab Seite 442

Corresponding locknuts see from page 442

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| PC                                                    | Grau<br>Grey                       |                                         | TPE                                               | s. FC<br>s. CC   |                                         | -20 °C / +100 °C                                             |
| PC                                                    | Grau<br>Grey                       |                                         | TPE-V                                             | Natur<br>Natural | p                                       | -20 °C / +100 °C                                             |
| PC                                                    | Schwarz<br>Black                   | n                                       | TPE                                               | s. FC<br>s. CC   |                                         | -20 °C / +100 °C                                             |
| PC                                                    | Schwarz<br>Black                   | n                                       | TPE-V                                             | Natur<br>Natural | p                                       | -20 °C / +100 °C                                             |

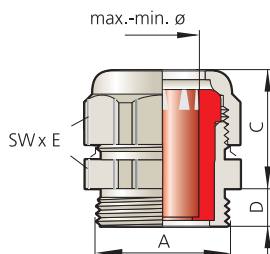


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |                  | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width |              |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|------------------|----------------------------|---------------------------------|--------------|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |                  |                            |                                 |              |
| A                                                   | D<br>mm | Grau/Grey<br>Schwarz/Black                                   | = n<br>= p                    | = TPE<br>= TPE-V | max./min. ø<br>mm          | C<br>mm                         | SW x E<br>mm |
| Pg 7                                                | 8,0     | 149PC                                                        | z 7                           | 6,5 – 4,0        | 23,0                       | 15x16,5                         | 50           |
|                                                     |         | 14950PC                                                      | z 9 *                         | 9,0 – 5,5        | 22,0                       | 19x21,2                         | 50           |
| Pg 9                                                | 9,0     | 150PC                                                        | z 7                           | 6,5 – 4,0        | 23,0                       | 19x21,2                         | 50           |
|                                                     |         | 150PC                                                        | z 9                           | 9,0 – 5,5        | 23,0                       | 19x21,2                         | 50           |
| Pg 9                                                | 8,0     | 15051PC                                                      | z11 *                         | 10,0 – 6,0       | 24,0                       | 22x24,4                         | 50           |
| Pg 11                                               | 9,0     | 151PC                                                        | z 9                           | 9,0 – 6,0        | 24,0                       | 22x24,4                         | 50           |
|                                                     |         | 151PC                                                        | z11                           | 10,0 – 6,0       | 24,0                       | 22x24,4                         | 50           |
| Pg 11                                               | 8,0     | 15152PC                                                      | z13 *                         | 13,0 – 9,0       | 24,0                       | 24x26,5                         | 50           |
| Pg 13,5                                             | 9,0     | 152PC                                                        | z 9                           | 9,0 – 5,5        | 24,0                       | 24x26,5                         | 50           |
|                                                     |         | 152PC                                                        | z11                           | 10,0 – 6,0       | 24,0                       | 24x26,5                         | 50           |
|                                                     |         | 152PC                                                        | z13                           | 12,0 – 8,0       | 24,0                       | 24x26,5                         | 50           |
| Pg 13,5                                             | 8,5     | 15253PC                                                      | z16 *                         | 15,0 – 12,0      | 24,0                       | 27x29,5                         | 50           |
| Pg 16                                               | 9,0     | 153PC                                                        | z11                           | 10,0 – 6,0       | 24,0                       | 27x29,5                         | 50           |
|                                                     |         | 153PC                                                        | z13                           | 12,0 – 8,0       | 24,0                       | 27x29,5                         | 50           |
|                                                     |         | 153PC                                                        | z16                           | 15,0 – 12,0      | 24,0                       | 27x29,5                         | 50           |
|                                                     |         | 15354PC                                                      | z18 *                         | 17,0 – 14,0      | 30,0                       | 33x36,5                         | 25           |
|                                                     |         | 15354PC                                                      | z20 *                         | 20,0 – 16,0      | 30,0                       | 33x36,5                         | 25           |
| Pg 21                                               | 11,0    | 154PC                                                        | z13                           | 12,0 – 8,0       | 29,0                       | 33x36,5                         | 25           |
|                                                     |         | 154PC                                                        | z16                           | 15,0 – 12,0      | 29,0                       | 33x36,5                         | 25           |
|                                                     |         | 154PC                                                        | z18                           | 17,0 – 14,0      | 29,0                       | 33x36,5                         | 25           |
|                                                     |         | 154PC                                                        | z20                           | 20,0 – 16,0      | 29,0                       | 33x36,5                         | 25           |
|                                                     |         | 15455PC                                                      | z25 *                         | 24,0 – 20,0      | 34,0                       | 43x46,5                         | 10           |
|                                                     |         | 15455PC                                                      | z28 *                         | 27,0 – 23,0      | 34,0                       | 43x46,5                         | 10           |
| Pg 29                                               | 11,0    | 155PC                                                        | z21                           | 20,0 – 16,0      | 33,0                       | 43x46,5                         | 10           |
|                                                     |         | 155PC                                                        | z25                           | 24,0 – 20,0      | 33,0                       | 43x46,5                         | 10           |
|                                                     |         | 155PC                                                        | z28                           | 27,0 – 23,0      | 33,0                       | 43x46,5                         | 10           |
|                                                     |         | 15556PC                                                      | z32 *                         | 31,5 – 27,0      | 35,0                       | 53x57                           | 5            |
|                                                     |         | 15556PC                                                      | z36 *                         | 32,0 – 36,0      | 35,0                       | 53x57                           | 5            |
| Pg 36                                               | 14,0    | 156PC                                                        | z32                           | 31,5 – 27,0      | 33,0                       | 53x57                           | 5            |
|                                                     |         | 156PC                                                        | z36                           | 36,0 – 32,0      | 33,0                       | 53x57                           | 5            |

\* Dichteinsatz kurz = Art.-Nr.: Ek...

\* Sealing insert short = art. no.: Ek...

# UNI Zug Dicht Pg-Kabelverschraubung

UNI Dicht Strain relief Pg cable gland

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**PVDF, Farbe: transparent, blau (RAL 5015), schwarz (RAL 9005)**  
**Pg-Anschlussgewinde**  
**Schutzart IP 54**

PVDF, colour: transparent, blue (RAL 5015), black (RAL 9005)  
Pg connection thread  
Type of protection IP 54

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichtensatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|--------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| PVDF                                                  | Transparent                        |                                         | TPE                                              | s. FC<br>s. CC   |                                         | -20 °C / +100 °C                                             |
| PVDF                                                  | Transparent                        |                                         | TPE-V                                            | Natur<br>Natural | p                                       | -20 °C / +100 °C                                             |
| PVDF                                                  | Blau<br>Blue                       | a                                       | TPE                                              | s. FC<br>s. CC   |                                         | -20 °C / +100 °C                                             |
| PVDF                                                  | Blau<br>Blue                       | a                                       | TPE-V                                            | Natur<br>Natural | p                                       | -20 °C / +100 °C                                             |
| PVDF                                                  | Schwarz<br>Black                   | n                                       | TPE                                              | s. FC<br>s. CC   |                                         | -20 °C / +100 °C                                             |
| PVDF                                                  | Schwarz<br>Black                   | n                                       | TPE-V                                            | Natur<br>Natural | p                                       | -20 °C / +100 °C                                             |

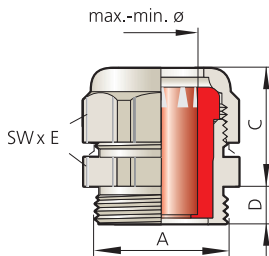


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |                  | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width |              |                                                                                       |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|------------------|----------------------------|---------------------------------|--------------|---------------------------------------------------------------------------------------|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |                  |                            |                                 |              |                                                                                       |
| A                                                   | D<br>mm | Transparent<br>Blau/Blue<br>Schwarz/Black                    | = a<br>= n p                  | = TPE<br>= TPE-V | max./min. ø<br>mm          | C<br>mm                         | SW x E<br>mm |  |
| Pg 7                                                | 8,0     |                                                              | 149y                          | z 7              | 6,5 – 4,0                  | 23,0                            | 15x16,5      | 50                                                                                    |
| Pg 9                                                | 8,0     |                                                              | 150y                          | z 7              | 6,5 – 4,0                  | 24,0                            | 19x21,2      | 50                                                                                    |
|                                                     |         |                                                              | 150y                          | z 9              | 9,0 – 5,5                  | 24,0                            | 19x21,2      | 50                                                                                    |
|                                                     |         |                                                              | 15051y                        | z11 *            | 10,0 – 6,0                 | 24,0                            | 22x24,4      | 50                                                                                    |
| Pg 11                                               | 8,0     |                                                              | 151y                          | z 9              | 9,0 – 6,0                  | 24,0                            | 22x24,4      | 50                                                                                    |
|                                                     |         |                                                              | 151y                          | z11              | 10,0 – 6,0                 | 24,0                            | 22x24,4      | 50                                                                                    |
| Pg 13,5                                             | 9,0     |                                                              | 152y                          | z 9              | 9,0 – 5,5                  | 26,0                            | 24x26,5      | 50                                                                                    |
|                                                     |         |                                                              | 152y                          | z11              | 10,0 – 6,0                 | 26,0                            | 24x26,5      | 50                                                                                    |
|                                                     |         |                                                              | 152y                          | z13              | 12,0 – 8,0                 | 26,0                            | 24x26,5      | 50                                                                                    |
|                                                     |         |                                                              | 15254y                        | z20 *            | 20,0 – 16,0                | 30,0                            | 33x36,5      | 25                                                                                    |
| Pg 16                                               | 9,0     |                                                              | 153y                          | z11              | 10,0 – 6,0                 | 26,0                            | 27x29,5      | 50                                                                                    |
|                                                     |         |                                                              | 153y                          | z13              | 12,0 – 8,0                 | 26,0                            | 27x29,5      | 50                                                                                    |
|                                                     |         |                                                              | 153y                          | z16              | 15,0 – 12,0                | 26,0                            | 27x29,5      | 50                                                                                    |
|                                                     |         |                                                              | 15354y                        | z18 *            | 17,0 – 14,0                | 30,0                            | 33x36,5      | 25                                                                                    |
|                                                     |         |                                                              | 15354y                        | z20 *            | 20,0 – 16,0                | 30,0                            | 33x36,5      | 25                                                                                    |
| Pg 16                                               | 10,0    |                                                              | 15355y                        | z28 *            | 27,0 – 23,0                | 32,0                            | 43x46        | 10                                                                                    |
| Pg 21                                               | 11,0    |                                                              | 154y                          | z13              | 12,0 – 8,0                 | 29,0                            | 33x36,5      | 25                                                                                    |
|                                                     |         |                                                              | 154y                          | z16              | 15,0 – 12,0                | 29,0                            | 33x36,5      | 25                                                                                    |
|                                                     |         |                                                              | 154y                          | z18              | 17,0 – 14,0                | 29,0                            | 33x36,5      | 25                                                                                    |
|                                                     |         |                                                              | 154y                          | z20              | 20,0 – 16,0                | 29,0                            | 33x36,5      | 25                                                                                    |
|                                                     |         |                                                              | 15455y                        | z25 *            | 24,0 – 20,0                | 33,0                            | 43x46        | 10                                                                                    |
|                                                     |         |                                                              | 15455y                        | z28 *            | 27,0 – 23,0                | 33,0                            | 43x46        | 10                                                                                    |
| Pg 21                                               | 10,0    |                                                              | 15456y                        | z36 *            | 36,0 – 32,0                | 35,0                            | 53x57        | 5                                                                                     |
| Pg 29                                               | 10,5    |                                                              | 155y                          | z20              | 20,0 – 16,0                | 33,0                            | 43x46,5      | 10                                                                                    |
|                                                     |         |                                                              | 155y                          | z25              | 24,0 – 20,0                | 33,0                            | 43x46,5      | 10                                                                                    |
|                                                     |         |                                                              | 155y                          | z28              | 27,0 – 23,0                | 33,0                            | 43x46,5      | 10                                                                                    |
| Pg 29                                               | 11,0    |                                                              | 15556y                        | z36 *            | 36,0 – 32,0                | 35,0                            | 53x57        | 5                                                                                     |
| Pg 36                                               | 13,0    |                                                              | 156y                          | z32              | 31,5 – 27,0                | 34,0                            | 53x57        | 5                                                                                     |
|                                                     |         |                                                              | 156y                          | z36              | 36,0 – 32,0                | 34,0                            | 53x57        | 5                                                                                     |
| Pg 42                                               | 13,0    |                                                              | 157y                          | z40 **           | 40,0 – 36,0                | 38,0                            | 60x65        | 5                                                                                     |
| Pg 48                                               | 14,0    |                                                              | 158y                          | z44 **           | 43,0 – 39,0                | 41,0                            | 65x70        | 5                                                                                     |

\* Dichtensatz kurz = Art.-Nr.: Ek... \*\* Werkstoff POM (Farbe weiß), Temperaturbereich: -40 °C bis +110 °C.

\* Sealing insert short = art. no.: Ek... \*\* Material POM (white colour), temperature range: -40 °C up to +110 °C

# UNI Klemm Dicht Pg-Kabelverschraubung

UNI Clamping Dicht Pg cable gland

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt**  
**Druckschraube mit erhöhter Zugentlastung**  
**Pg-Anschlussgewinde**  
**Mit O-Ring HNBR**  
**Schutzart IP 68 – statisch geprüft**

*Brass, nickel-plated*  
*Pressure screw with increased strain relief*  
*Pg connection thread*  
*With o-ring HNBR*  
*Type of protection IP 68 – statically tested*

**Passende Gegenmuttern ab Seite 442**  
*Corresponding locknuts see from page 442*

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE                                               | s. FC<br>s. CC   | d                                       | -40 °C / +130 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -55 °C / +200 °C                                             |

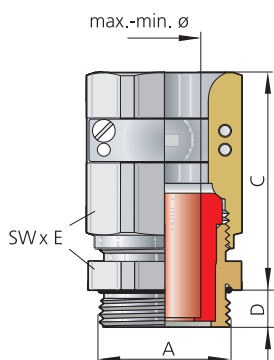


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |                   | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width |                                                                                     |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|-------------------|----------------------------|---------------------------------|-------------------------------------------------------------------------------------|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |                   |                            |                                 |                                                                                     |
| A                                                   | D<br>mm | TPE<br>TPE-V<br>Silikon HT/Silicone HT                       | = d<br>= p<br>= H             | max./min. ø<br>mm | C<br>mm                    | SW x E<br>mm                    |  |
| Pg 7                                                | 5,0     | 14950                                                        | 8zu *                         | 8,0– 6,0          | 39,0                       | 17x18,9                         | 50                                                                                  |
|                                                     |         | 14950                                                        | 9zu *                         | 9,5– 6,5          | 39,0                       | 17x18,9                         | 50                                                                                  |
| Pg 9                                                | 6,0     | 150                                                          | 8zu                           | 8,0– 6,0          | 39,0                       | 17x18,9                         | 50                                                                                  |
|                                                     |         | 150                                                          | 9zu                           | 9,5– 6,5          | 39,0                       | 17x18,9                         | 50                                                                                  |
|                                                     |         | 15051                                                        | 11zu *                        | 10,5– 7,0         | 39,0                       | 20x22,2                         | 50                                                                                  |
|                                                     |         | 15052                                                        | 13zu *                        | 13,0– 9,0         | 39,0                       | 22x24,4                         | 50                                                                                  |
| Pg 11                                               | 6,0     | 151                                                          | 7zu                           | 6,5– 4,0          | 39,0                       | 20x22,2                         | 50                                                                                  |
|                                                     |         | 151                                                          | 8zu                           | 8,0– 5,0          | 39,0                       | 20x22,2                         | 50                                                                                  |
|                                                     |         | 151                                                          | 9zu                           | 9,5– 6,5          | 39,0                       | 20x22,2                         | 50                                                                                  |
|                                                     |         | 151                                                          | 11zu                          | 10,5– 7,0         | 39,0                       | 20x22,2                         | 50                                                                                  |
|                                                     |         | 15152                                                        | 13zu *                        | 13,0– 9,0         | 39,0                       | 22x24,4                         | 50                                                                                  |
| Pg 13,5                                             | 6,5     | 152                                                          | 9zu                           | 9,5– 7,0          | 39,0                       | 22x24,4                         | 50                                                                                  |
|                                                     |         | 152                                                          | 11zu                          | 10,5– 7,0         | 39,0                       | 22x24,4                         | 50                                                                                  |
|                                                     |         | 152                                                          | 13zu                          | 13,0– 9,0         | 39,0                       | 22x24,4                         | 50                                                                                  |
|                                                     |         | 15253                                                        | 16zu *                        | 15,5– 11,5        | 40,0                       | 24x26,7                         | 50                                                                                  |
| Pg 16                                               | 6,5     | 153                                                          | 9zu                           | 9,5– 7,0          | 41,0                       | 24x26,7                         | 50                                                                                  |
|                                                     |         | 153                                                          | 11zu                          | 10,5– 7,0         | 41,0                       | 24x26,7                         | 50                                                                                  |
|                                                     |         | 153                                                          | 13zu                          | 13,0– 9,0         | 41,0                       | 24x26,7                         | 50                                                                                  |
|                                                     |         | 153                                                          | 16zu                          | 15,5– 11,5        | 41,0                       | 24x26,7                         | 50                                                                                  |
|                                                     |         | 15354                                                        | 18zu *                        | 18,0– 14,0        | 48,0                       | 30x33,5                         | 25                                                                                  |
|                                                     |         | 15354                                                        | 20zu *                        | 20,5– 17,0        | 48,0                       | 30x33,5                         | 25                                                                                  |
| Pg 21                                               | 7,0     | 154                                                          | 13zu                          | 13,0– 10,0        | 48,0                       | 30x33,5                         | 25                                                                                  |
|                                                     |         | 154                                                          | 16zu                          | 15,5– 11,5        | 48,0                       | 30x33,5                         | 25                                                                                  |
|                                                     |         | 154                                                          | 18zu                          | 18,0– 14,0        | 48,0                       | 30x33,5                         | 25                                                                                  |
|                                                     |         | 154                                                          | 20zu                          | 20,5– 17,0        | 48,0                       | 30x33,5                         | 25                                                                                  |
|                                                     |         | 15455                                                        | 25zu *                        | 25,0– 20,0        | 51,0                       | 40x43,5                         | 10                                                                                  |
| Pg 29                                               | 8,0     | 155                                                          | 18zu                          | 18,0– 14,0        | 51,0                       | 40x43,5                         | 10                                                                                  |
|                                                     |         | 155                                                          | 20zu                          | 20,5– 17,0        | 51,0                       | 40x43,5                         | 10                                                                                  |
|                                                     |         | 155                                                          | 25zu                          | 25,0– 20,0        | 51,0                       | 40x43,5                         | 10                                                                                  |
|                                                     |         | 155                                                          | 28zu                          | 28,0– 24,0        | 51,0                       | 40x43,5                         | 10                                                                                  |
|                                                     |         | 15556                                                        | 32zu *                        | 32,0– 27,0        | 52,0                       | 50x54                           | 5                                                                                   |

\* Dichteinsatz kurz = Art.-Nr.: Ek...  
\* Sealing insert short = art. no.: Ek...

Fortsetzung auf der nächsten Seite  
Continued on next page

## UNI Klemm Dicht Pg-Kabelverschraubung

UNI Clamping Dicht Pg cable gland

Fortsetzung von vorheriger Seite  
Continued from previous page

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         |        | Dichtbereich<br>Sealing range |         | Bauhöhe<br>Mounting height |   | Schlüsselweite<br>Spanner width |  |
|-----------------------------------------------------|---------|--------------------------------------------------------------|--------|-------------------------------|---------|----------------------------|---|---------------------------------|--|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |        |                               |         |                            |   |                                 |  |
| A                                                   | D<br>mm | TPE                                                          | = d    | max./min. ø<br>mm             | C<br>mm | SW x E<br>mm               |   |                                 |  |
|                                                     |         | TPE-V                                                        | = p    |                               |         |                            |   |                                 |  |
|                                                     |         | Silikon HT/Silicone HT                                       | = H    |                               |         |                            |   |                                 |  |
| Pg 36                                               | 9,0     | 156                                                          | 32zu   | 32,0 – 27,0                   | 52,0    | 50x54                      | 5 |                                 |  |
|                                                     |         | 156                                                          | 34zu   | 34,0 – 29,0                   | 52,0    | 50x54                      | 5 |                                 |  |
|                                                     |         | 156                                                          | 36zu   | 36,0 – 32,0                   | 52,0    | 50x54                      | 5 |                                 |  |
| Pg 48                                               | 10,0    | 158                                                          | 44zu   | 44,0 – 39,0                   | 54,0    | 64x69                      | 5 |                                 |  |
| G2 1/2"                                             | 15,0    | 1212                                                         | 47zu * | 47,0 – 42,0                   | 61,0    | 81x87                      | 1 |                                 |  |
|                                                     |         | 1212                                                         | 52zu * | 52,0 – 45,0                   | 61,0    | 81x87                      | 2 |                                 |  |
|                                                     |         | 1212                                                         | 55zu * | 55,0 – 51,0                   | 61,0    | 81x87                      | 2 |                                 |  |
|                                                     |         | 1212                                                         | 58zu * | 58,0 – 54,0                   | 61,0    | 81x87                      | 2 |                                 |  |
| G3"                                                 | 15,0    | 1300                                                         | 57zu * | 57,0 – 52,0                   | 62,0    | 95x102                     | 1 |                                 |  |
|                                                     |         | 1300                                                         | 64zu * | 64,0 – 58,0                   | 62,0    | 95x102                     | 1 |                                 |  |
|                                                     |         | 1300                                                         | 70zu * | 70,0 – 63,0                   | 62,0    | 95x102                     | 1 |                                 |  |

\* Dichteinsatz aus Silikon HT nicht lieferbar

\* Sealing insert silicone HT not available

151.00 | TT00410

# UNI Biegeschutz Dicht Pg-Kabelverschraubung

UNI Dicht Bending protection cable gland

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt**  
**Pg-Anschlussgewinde**  
**Mit O-Ring HNBR**  
**Schutzart IP 68 bis 10 bar**

Brass, nickel-plated  
Pg connection thread  
With o-ring HNBR  
Type of protection IP 68 up to 10 bar



**Passende Gegenmuttern ab Seite 442**  
Corresponding locknuts see from page 442

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour  | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|-------------------------------------|---------------------------------------------------|------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt (v)<br>Nickel-plated (n) | TPE-V                                             | Schwarz<br>Black | -40 °C / +135 °C                                             |

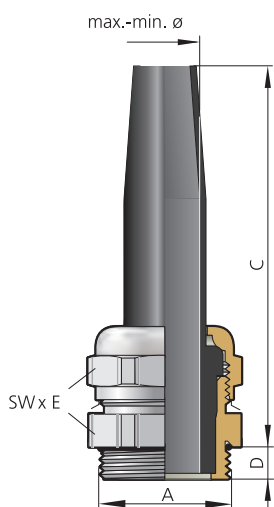


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length<br>A | D<br>mm | Art.-Nr.<br>Art. no. | Dichtbereich<br>Sealing range<br>max./min. ø<br>mm | Bauhöhe<br>Mounting height<br>C<br>mm | Schlüsselweite<br>Spanner width<br>SW x E<br>mm |    |
|----------------------------------------------------------|---------|----------------------|----------------------------------------------------|---------------------------------------|-------------------------------------------------|----|
| Pg 7                                                     | 5,0     | 149dLp 4/V2          | 4,0 – 2,5                                          | 53,0                                  | 14x15,5                                         | 50 |
|                                                          |         | 149dLp 5/V2          | 5,0 – 3,5                                          | 53,0                                  | 14x15,5                                         | 50 |
|                                                          |         | 149dLp 6/V2          | 6,0 – 4,5                                          | 53,0                                  | 14x15,5                                         | 50 |
|                                                          |         | 149dLp 6,5/V2        | 6,5 – 5,5                                          | 53,0                                  | 14x15,5                                         | 50 |
| Pg 9                                                     | 6,0     | 150dLp 5,5/V2        | 5,5 – 4,0                                          | 64,0                                  | 17x18,9                                         | 50 |
|                                                          |         | 150dLp 6/V2          | 6,0 – 5,0                                          | 64,0                                  | 17x18,9                                         | 50 |
|                                                          |         | 150dLp 7,5/V2        | 7,5 – 5,5                                          | 64,0                                  | 17x18,9                                         | 50 |
| Pg 11                                                    | 6,0     | 151dLp 5,5/V2        | 5,5 – 4,0                                          | 66,0                                  | 20x22,2                                         | 50 |
|                                                          |         | 151dLp 6,5/V2        | 6,5 – 5,0                                          | 66,0                                  | 20x22,2                                         | 50 |
|                                                          |         | 151dLp 8/V2          | 8,0 – 6,0                                          | 66,0                                  | 20x22,2                                         | 50 |
|                                                          |         | 151dLp 9,5/V2        | 9,5 – 7,5                                          | 66,0                                  | 20x22,2                                         | 50 |
| Pg 13,5                                                  | 6,5     | 152dLp 6,5/V2        | 6,5 – 5,0                                          | 77,0                                  | 22x24,4                                         | 50 |
|                                                          |         | 152dLp 7,5/V2        | 7,5 – 6,0                                          | 77,0                                  | 22x24,4                                         | 50 |
|                                                          |         | 152dLp 8,5/V2        | 8,5 – 7,0                                          | 77,0                                  | 22x24,4                                         | 50 |
|                                                          |         | 152dLp 10,5/V2       | 10,5 – 8,0                                         | 77,0                                  | 22x24,4                                         | 50 |
| Pg 16                                                    | 6,5     | 153dLp 8/V2          | 8,0 – 6,5                                          | 83,0                                  | 24x26,7                                         | 25 |
|                                                          |         | 153dLp 9,5/V2        | 9,5 – 7,5                                          | 83,0                                  | 24x26,7                                         | 25 |
|                                                          |         | 153dLp 11/V2         | 11,0 – 9,0                                         | 83,0                                  | 24x26,7                                         | 25 |
|                                                          |         | 153dLp 13/V2         | 13,0 – 10,5                                        | 83,0                                  | 24x26,7                                         | 25 |
| Pg 21                                                    | 7,0     | 154dLp 10/V2         | 10,0 – 8,0                                         | 80,0                                  | 30x33,5                                         | 10 |
|                                                          |         | 154dLp 11,5/V2       | 11,5 – 9,5                                         | 80,0                                  | 30x33,5                                         | 10 |
|                                                          |         | 154dLp 13,5/V2       | 13,5 – 11,0                                        | 80,0                                  | 30x33,5                                         | 10 |
|                                                          |         | 154dLp 15,5/V2       | 15,5 – 13,0                                        | 80,0                                  | 30x33,5                                         | 10 |
|                                                          |         | 154dLp 17,5/V2       | 17,5 – 15,0                                        | 80,0                                  | 30x33,5                                         | 10 |
| Pg 29                                                    | 8,0     | 155dLp 19,5/V2       | 19,5 – 16,0                                        | 84,0                                  | 40x43,5                                         | 10 |
|                                                          |         | 155dLp 22/V2         | 22,0 – 19,0                                        | 84,0                                  | 40x43,5                                         | 10 |
|                                                          |         | 155dLp 24/V2         | 24,0 – 21,0                                        | 84,0                                  | 40x43,5                                         | 10 |

14700 | JT00720

# UNI Biegeschutz Dicht Pg-Kabelverschraubung

UNI Dicht Bending protection Pg cable gland

CE RoHS



Abb. 1  
Fig. 1

Abb. 2  
Fig. 2

**Polycarbonat, Farbe: grau (RAL 7035), schwarz (RAL 9005)  
Pg-Anschlussgewinde  
Schutzart IP 68 bis 10 bar**

Polycarbonate, colour: grey (RAL 7035), black (RAL 9005)  
Pg connection thread  
Type of protection IP 68 up to 10 bar



**Passende Gegenmuttern ab Seite 442**  
Corresponding locknuts see from page 442

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|--------------------------------------------------------------|
| PC                                                    | Grau<br>Grey                       |                                         | TPE-V                                             | Schwarz<br>Black | -20 °C / +100 °C                                             |
| PC                                                    | Schwarz<br>Black                   | n                                       | TPE-V                                             | Schwarz<br>Black | -20 °C / +100 °C                                             |

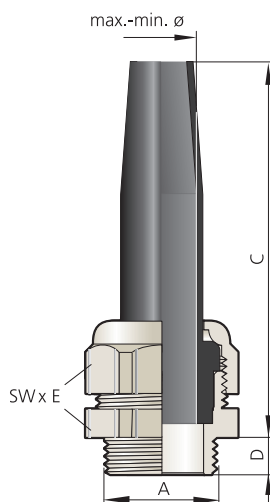


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |                | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width |
|-----------------------------------------------------|----------------|--------------------------------------------------------------|-------------------------------|----------------------------|---------------------------------|
|                                                     |                | Ausführung bitte ergänzen<br>Please complete product details |                               |                            |                                 |
| <b>A</b>                                            | <b>D</b><br>mm | Grau/Grey =<br>Schwarz/Black = n                             | <b>max./min. ø</b><br>mm      | <b>C</b><br>mm             | <b>SW x E</b><br>mm             |
| Pg 7                                                | 8,0            | 149PC                                                        | Lp 4/V2 4,0 – 2,5             | 58,0                       | 15x16,5 50                      |
|                                                     |                | 149PC                                                        | Lp 5/V2 5,0 – 3,5             | 58,0                       | 15x16,5 50                      |
|                                                     |                | 149PC                                                        | Lp 6/V2 6,0 – 4,5             | 58,0                       | 15x16,5 50                      |
|                                                     |                | 149PC                                                        | Lp 6,5/V2 6,5 – 5,5           | 58,0                       | 15x16,5 50                      |
| Pg 9                                                | 9,0            | 150PC                                                        | Lp 5,5/V2 5,5 – 4,0           | 65,0                       | 19x21,2 50                      |
|                                                     |                | 150PC                                                        | Lp 6/V2 6,0 – 5,0             | 65,0                       | 19x21,2 50                      |
|                                                     |                | 150PC                                                        | Lp 7,5/V2 7,5 – 5,5           | 65,0                       | 19x21,2 50                      |
| Pg 11                                               | 9,0            | 151PC                                                        | Lp 5,5/V2 5,5 – 4,0           | 67,0                       | 22x24,4 50                      |
|                                                     |                | 151PC                                                        | Lp 6,5/V2 6,5 – 5,0           | 67,0                       | 22x24,4 50                      |
|                                                     |                | 151PC                                                        | Lp 8/V2 8,0 – 6,0             | 67,0                       | 22x24,4 50                      |
|                                                     |                | 151PC                                                        | Lp 9,5/V2 9,5 – 7,5           | 67,0                       | 22x24,4 50                      |
| Pg 13,5                                             | 9,0            | 152PC                                                        | Lp 6,5/V2 6,5 – 5,0           | 80,0                       | 24x26,5 50                      |
|                                                     |                | 152PC                                                        | Lp 7,5/V2 7,5 – 6,0           | 80,0                       | 24x26,5 50                      |
|                                                     |                | 152PC                                                        | Lp 8,5/V2 8,5 – 7,0           | 80,0                       | 24x26,5 50                      |
|                                                     |                | 152PC                                                        | Lp10,5/V2 10,5 – 8,0          | 80,0                       | 24x26,5 50                      |
| Pg 16                                               | 9,0            | 153PC                                                        | Lp 8/V2 8,0 – 6,5             | 81,0                       | 27x29,5 25                      |
|                                                     |                | 153PC                                                        | Lp 9,5/V2 9,5 – 7,5           | 81,0                       | 27x29,5 25                      |
|                                                     |                | 153PC                                                        | Lp11/V2 11,0 – 9,0            | 81,0                       | 27x29,5 25                      |
|                                                     |                | 153PC                                                        | Lp13/V2 13,0 – 10,5           | 81,0                       | 27x29,5 25                      |
| Pg 21                                               | 11,0           | 154PC                                                        | Lp10/V2 10,0 – 8,0            | 82,0                       | 33x36,5 10                      |
|                                                     |                | 154PC                                                        | Lp11,5/V2 11,5 – 9,5          | 82,0                       | 33x36,5 10                      |
|                                                     |                | 154PC                                                        | Lp13,5/V2 13,5 – 11,0         | 82,0                       | 33x36,5 10                      |
|                                                     |                | 154PC                                                        | Lp15,5/V2 15,5 – 13,0         | 82,0                       | 33x36,5 10                      |
|                                                     |                | 154PC                                                        | Lp17,5/V2 17,5 – 15,0         | 82,0                       | 33x36,5 10                      |
| Pg 29                                               | 11,0           | 155PC                                                        | Lp19,5/V2 19,5 – 16,0         | 88,0                       | 43x46,5 10                      |
|                                                     |                | 155PC                                                        | Lp22/V2 22,0 – 19,0           | 88,0                       | 43x46,5 10                      |
|                                                     |                | 155PC                                                        | Lp24/V2 24,0 – 21,0           | 88,0                       | 43x46,5 10                      |



**Schutzart IP 68 ausschließlich in Verbindung mit separat erhältlicher Flachdichtung auf Seite 468**  
Type of protection IP 68 only in combination with separately available flat sealing ring on page 468

# U73. UNI Biegeschutz Dicht Pg-Kabelverschraubung

U73. UNI Dicht Bending protection Pg cable gland

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**PVDF, Farbe: transparent, schwarz (RAL 9005)**

**Pg-Anschlussgewinde**

**Schutzart IP 68 bis 10 bar**

PVDF, colour: transparent, black (RAL 9005)

Pg connection thread

Type of protection IP 68 up to 10 bar



**Schutzart IP 68 ausschließlich in Verbindung mit separat erhältlicher Flachdichtung auf Seite 468**

Type of protection IP 68 only in combination with separately available flat sealing ring on page 468

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|--------------------------------------------------------------|
| PVDF                                                  | Transparent                        |                                         | TPE-V                                             | Schwarz<br>Black | -40 °C / +135 °C                                             |
| PVDF                                                  | Blau<br>Blue                       | a                                       | TPE-V                                             | Schwarz<br>Black | -40 °C / +135 °C                                             |
| PVDF                                                  | Schwarz<br>Black                   | n                                       | TPE-V                                             | Schwarz<br>Black | -40 °C / +135 °C                                             |

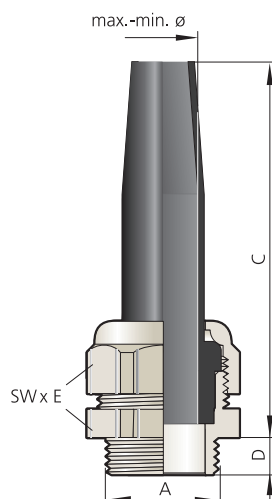


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |                   | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width |                                                                                     |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|-------------------|----------------------------|---------------------------------|-------------------------------------------------------------------------------------|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |                   |                            |                                 |                                                                                     |
| A                                                   | D<br>mm | Transparent<br>Blau/Blue<br>Schwarz/Black                    | = a<br>= n                    | max./min. ø<br>mm | C<br>mm                    | SW x E<br>mm                    |  |
| Pg 7                                                | 8,0     | 149y                                                         | Lp 4/V2                       | 4,0– 2,5          | 58,0                       | 15x16,5                         | 50                                                                                  |
|                                                     |         | 149y                                                         | Lp 5/V2                       | 5,0– 3,5          | 58,0                       | 15x16,5                         | 50                                                                                  |
|                                                     |         | 149y                                                         | Lp 6/V2                       | 6,0– 4,5          | 58,0                       | 15x16,5                         | 50                                                                                  |
|                                                     |         | 149y                                                         | Lp 6,5/V2                     | 6,5– 5,5          | 58,0                       | 15x16,5                         | 50                                                                                  |
| Pg 9                                                | 8,0     | 150y                                                         | Lp 5,5/V2                     | 5,5– 4,0          | 65,0                       | 19x21,2                         | 50                                                                                  |
|                                                     |         | 150y                                                         | Lp 6/V2                       | 6,0– 5,0          | 65,0                       | 19x21,2                         | 50                                                                                  |
|                                                     |         | 150y                                                         | Lp 7,5/V2                     | 7,5– 5,5          | 65,0                       | 19x21,2                         | 50                                                                                  |
| Pg 11                                               | 8,0     | 151y                                                         | Lp 5,5/V2                     | 5,5– 4,0          | 67,0                       | 22x24,4                         | 50                                                                                  |
|                                                     |         | 151y                                                         | Lp 6,5/V2                     | 6,5– 5,0          | 67,0                       | 22x24,4                         | 50                                                                                  |
|                                                     |         | 151y                                                         | Lp 8/V2                       | 8,0– 6,0          | 67,0                       | 22x24,4                         | 50                                                                                  |
|                                                     |         | 151y                                                         | Lp 9,5/V2                     | 9,5– 7,5          | 67,0                       | 22x24,4                         | 50                                                                                  |
| Pg 13,5                                             | 9,0     | 152y                                                         | Lp 6,5/V2                     | 6,5– 5,0          | 80,0                       | 24x26,5                         | 50                                                                                  |
|                                                     |         | 152y                                                         | Lp 7,5/V2                     | 7,5– 6,0          | 80,0                       | 24x26,5                         | 50                                                                                  |
|                                                     |         | 152y                                                         | Lp 8,5/V2                     | 8,5– 7,0          | 80,0                       | 24x26,5                         | 50                                                                                  |
|                                                     |         | 152y                                                         | Lp10,5/V2                     | 10,5– 8,0         | 80,0                       | 24x26,5                         | 50                                                                                  |
| Pg 16                                               | 9,0     | 153y                                                         | Lp 8/V2                       | 8,0– 6,0          | 81,0                       | 27x29,5                         | 25                                                                                  |
|                                                     |         | 153y                                                         | Lp 9,5/V2                     | 9,5– 7,5          | 81,0                       | 27x29,5                         | 25                                                                                  |
|                                                     |         | 153y                                                         | Lp11/V2                       | 11,0– 9,0         | 81,0                       | 27x29,5                         | 25                                                                                  |
|                                                     |         | 153y                                                         | Lp13/V2                       | 13,0– 10,5        | 81,0                       | 27x29,5                         | 25                                                                                  |
| Pg 21                                               | 11,0    | 154y                                                         | Lp10/V2                       | 10,0– 8,0         | 82,0                       | 33x36,5                         | 10                                                                                  |
|                                                     |         | 154y                                                         | Lp11,5/V2                     | 11,5– 9,5         | 82,0                       | 33x36,5                         | 10                                                                                  |
|                                                     |         | 154y                                                         | Lp13,5/V2                     | 13,5– 11,0        | 82,0                       | 33x36,5                         | 10                                                                                  |
|                                                     |         | 154y                                                         | Lp15,5/V2                     | 15,5– 13,0        | 82,0                       | 33x36,5                         | 10                                                                                  |
|                                                     |         | 154y                                                         | Lp17,5/V2                     | 17,5– 15,0        | 82,0                       | 33x36,5                         | 10                                                                                  |
| Pg 29                                               | 10,5    | 155y                                                         | Lp19,5/V2                     | 19,5– 16,0        | 88,0                       | 43x46,5                         | 10                                                                                  |
|                                                     |         | 155y                                                         | Lp22/V2                       | 22,0– 19,0        | 88,0                       | 43x46,5                         | 10                                                                                  |
|                                                     |         | 155y                                                         | Lp24/V2                       | 24,0– 21,0        | 88,0                       | 43x46,5                         | 10                                                                                  |

149901 | T00710

# UNI Flex Dicht Pg-Kabelverschraubung

UNI Flex Dicht Pg cable gland

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt, Feder aus Edelstahl**  
**Pg-Anschlussgewinde**  
**Mit O-Ring HNBR/Silikon**  
**Schutzart IP 68 – statisch geprüft**  
**Zugentlastung bis Klasse A, EN 62444**

*Brass, nickel-plated, spring made of stainless steel*  
*Pg connection thread*  
*With o-ring HNBR/silicone*  
*Type of protection IP 68 – statically tested*  
*Strain relief up to class A, EN 62444*

**i Flexible Leitungen an Robotern, Handbediengeräten, Fußschaltern etc. sind am Gerät besonderen Beanspruchungen unterworfen. Die UNI Flex gibt den Leitungen einen definierten Biegeradius und schützt vor Aderbruch.**  
*Flexible lines on robots, hand controllers, foot switches, etc. are subjected to special loads at the cross-over to the equipment. The UNI Flex provides the lines with a defined bending radius and protection against conductor breaks.*

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE                                               | s. FC<br>s. CC   |                                         | -40 °C / +130 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -55 °C / +200 °C                                             |

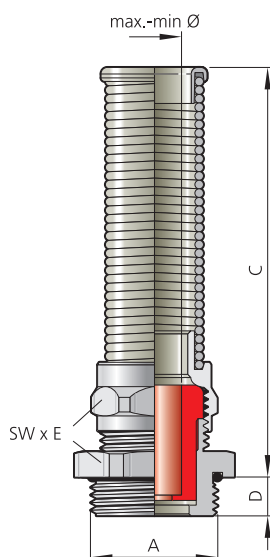


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |     | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |             | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width |    |
|-----------------------------------------------------|-----|--------------------------------------------------------------|-------------------------------|-------------|----------------------------|---------------------------------|----|
|                                                     |     | Ausführung bitte ergänzen<br>Please complete product details |                               |             |                            |                                 |    |
| Pg 9                                                | 6,0 | TPE =                                                        |                               | max./min. ø | C<br>mm                    | SW x E<br>mm                    |    |
|                                                     |     | TPE-V = p                                                    |                               | mm          |                            |                                 |    |
|                                                     |     | Silikon HT/Silicone HT = H                                   |                               |             |                            |                                 |    |
| Pg 11                                               | 6,0 | 15052dF                                                      | 14.07V2                       | 6,5 – 4,0   | 80,0                       | 22x24,4                         | 25 |
|                                                     |     | 15052dF                                                      | 14.09V2                       | 9,5 – 6,5   | 80,0                       | 22x24,4                         | 25 |
|                                                     |     | 15052dF                                                      | 14.11V2                       | 10,5 – 7,0  | 80,0                       | 22x24,4                         | 25 |
|                                                     |     | 15152dF                                                      | 14.07V2                       | 6,5 – 4,0   | 80,0                       | 22x24,4                         | 25 |
| Pg 13,5                                             | 6,5 | 15152dF                                                      | 14.09V2                       | 9,5 – 6,5   | 80,0                       | 22x24,4                         | 25 |
|                                                     |     | 15152dF                                                      | 14.11V2                       | 10,5 – 7,0  | 80,0                       | 22x24,4                         | 25 |
|                                                     |     | 15152dF                                                      | 14.13V2                       | 13,0 – 9,0  | 80,0                       | 22x24,4                         | 25 |
|                                                     |     | 15253dF                                                      | 16.16V2                       | 15,5 – 11,5 | 81,0                       | 24x26,7                         | 25 |
| Pg 16                                               | 6,5 | 153dF                                                        | 16.11V2                       | 10,5 – 7,0  | 82,0                       | 24x26,7                         | 25 |
|                                                     |     | 153dF                                                        | 16.13V2                       | 13,0 – 9,0  | 82,0                       | 24x26,7                         | 25 |
|                                                     |     | 153dF                                                        | 16.16V2                       | 15,5 – 11,5 | 82,0                       | 24x26,7                         | 25 |
|                                                     |     | 15354dF                                                      | 19.18V2                       | 18,0 – 14,0 | 85,0                       | 30x33,5                         | 10 |
| Pg 21                                               | 7,0 | 154dF                                                        | 19.18V2                       | 18,0 – 14,0 | 90,0                       | 30x33,5                         | 10 |

15000 | TT00410

# UNI Biege Zug Pg-Kabelverschraubung

UNI Bending Strain relief Pg cable gland

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt**  
**Pg-Anschlussgewinde**  
**Mit O-Ring HNBR**  
**Schutzart IP 54**  
**Integrierte Zugentlastung – vibrationsfest**

Brass, nickel-plated  
Pg connection thread  
With o-ring HNBR  
Type of protection IP 54  
Integrated strain relief – vibration-resistant

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|---------------------------------------------------|------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE-V                                             | Schwarz<br>Black | -40 °C / +135 °C                                             |

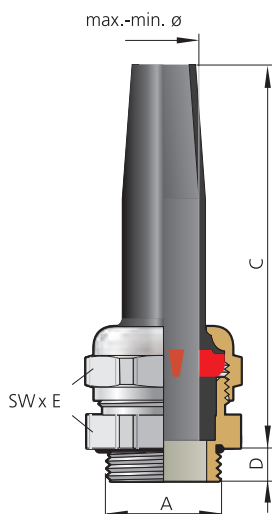


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length<br>A | D<br>mm | Art.-Nr.<br>Art. no. | Dichtbereich<br>Sealing range<br>max./min. ø<br>mm | Bauhöhe<br>Mounting height<br>C<br>mm | Schlüsselweite<br>Spanner width<br>SW x E<br>mm |    |
|----------------------------------------------------------|---------|----------------------|----------------------------------------------------|---------------------------------------|-------------------------------------------------|----|
| Pg 7                                                     | 5,0     | 14950Lzp 7*          | 6,5– 4,5                                           | 54,0                                  | 17x18,9                                         | 50 |
| Pg 9                                                     | 6,0     | 150Lzp 7             | 6,5– 4,5                                           | 54,0                                  | 17x18,9                                         | 50 |
|                                                          |         | 15051Lzp 9*          | 9,0– 6,0                                           | 63,0                                  | 20x22,2                                         | 50 |
|                                                          |         | 15052Lzp 9*          | 9,5– 6,5                                           | 68,0                                  | 22x24,4                                         | 50 |
|                                                          |         | 15052Lzp 11*         | 10,5– 8,5                                          | 68,0                                  | 22x24,4                                         | 50 |
| Pg 11                                                    | 6,0     | 151Lzp 9             | 9,0– 6,0                                           | 63,0                                  | 20x22,2                                         | 50 |
|                                                          |         | 15152Lzp 11*         | 10,5– 8,5                                          | 69,0                                  | 22x24,4                                         | 50 |
| Pg 13,5                                                  | 6,5     | 152Lzp 9             | 9,5– 6,5                                           | 69,0                                  | 22x24,4                                         | 50 |
|                                                          |         | 152Lzp 11            | 10,5– 8,5                                          | 69,0                                  | 22x24,4                                         | 50 |
|                                                          |         | 15253Lzp 13*         | 13,0– 9,0                                          | 73,0                                  | 24x26,7                                         | 25 |
|                                                          |         | 15254Lzp 16*         | 15,5– 13,0                                         | 78,0                                  | 30x33,5                                         | 10 |
| Pg 16                                                    | 6,5     | 153Lzp 9             | 9,5– 6,5                                           | 73,0                                  | 24x26,7                                         | 25 |
|                                                          |         | 153Lzp 11            | 10,5– 8,5                                          | 73,0                                  | 24x26,7                                         | 25 |
|                                                          |         | 153Lzp 13            | 13,0– 9,0                                          | 73,0                                  | 24x26,7                                         | 25 |
|                                                          |         | 15354Lzp 16*         | 15,5– 13,0                                         | 78,0                                  | 30x33,5                                         | 25 |
| Pg 21                                                    | 7,0     | 154Lzp 13            | 13,0– 9,0                                          | 78,0                                  | 30x33,5                                         | 10 |
|                                                          |         | 154Lzp 16            | 15,5– 13,0                                         | 78,0                                  | 30x33,5                                         | 10 |
|                                                          |         | 154Lzp 18            | 17,5– 14,0                                         | 78,0                                  | 30x33,5                                         | 10 |
|                                                          |         | 15455Lzp 21*         | 20,0– 17,0                                         | 103,0                                 | 40x43,5                                         | 10 |
| Pg 29                                                    | 8,0     | 155Lzp 21            | 20,5– 17,0                                         | 104,0                                 | 40x43,5                                         | 10 |
|                                                          |         | 155Lzp 25            | 24,0– 21,0                                         | 104,0                                 | 40x43,5                                         | 10 |

\* Dichteinsatz kurz = Art.-Nr.: Ek...  
\* Sealing insert short = art. no.: Ek...



**Passende Gegenmuttern ab Seite 442**  
Corresponding locknuts see from page 442

15300 | TT00720

# UNI Biege Zug Pg-Kabelverschraubung

UNI Bending Strain relief Pg cable gland

RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Polycarbonat, Farbe: grau (RAL 7035), schwarz (RAL 9005)**  
**Pg-Anschlussgewinde**  
**Schutzart IP 54**  
**Integrierte Zugentlastung – vibrationsfest**

Polycarbonate, colour: grey (RAL 7035), black (RAL9005)  
Pg connection thread  
Type of protection IP 54  
Integrated strain relief – vibration-resistant

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|--------------------------------------------------------------|
| PC                                                    | Grau<br>Grey                       |                                         | TPE-V                                             | Schwarz<br>Black | -20 °C / +100 °C                                             |
| PC                                                    | Schwarz<br>Black                   | n                                       | TPE-V                                             | Schwarz<br>Black | -20 °C / +100 °C                                             |

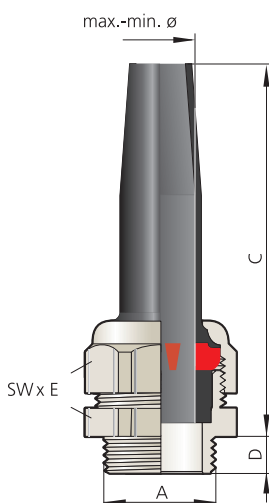


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |                | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width |
|-----------------------------------------------------|----------------|--------------------------------------------------------------|-------------------------------|----------------------------|---------------------------------|
|                                                     |                | Ausführung bitte ergänzen<br>Please complete product details |                               |                            |                                 |
| <b>A</b>                                            | <b>D</b><br>mm | Grau/Grey<br>Schwarz/Black                                   | <b>max./min. ø</b><br>mm      | <b>C</b><br>mm             | <b>SW x E</b><br>mm             |
| Pg 9                                                | 8,0            | 15051PC                                                      | Lzp 9 *                       | 64,0                       | 22x24,5                         |
| Pg 11                                               | 9,0            | 151PC                                                        | Lzp 9                         | 64,0                       | 22x24,5                         |
| Pg 11                                               | 8,0            | 15152PC                                                      | Lzp11 *                       | 72,0                       | 24x26,5                         |
| Pg 13,5                                             | 9,0            | 152PC                                                        | Lzp13                         | 72,0                       | 24x26,5                         |
|                                                     |                | 152PC                                                        | Lzp 11                        | 72,0                       | 24x26,5                         |
| Pg 13,5                                             | 8,5            | 15253PC                                                      | Lzp13 *                       | 75,0                       | 27x29,5                         |
| Pg 16                                               | 9,0            | 153PC                                                        | Lzp 9                         | 76,0                       | 27x29,5                         |
|                                                     |                | 153PC                                                        | Lzp 11                        | 76,0                       | 27x29,5                         |
|                                                     |                | 153PC                                                        | Lzp13                         | 76,0                       | 27x29,5                         |
|                                                     |                | 15354PC                                                      | Lzp16 *                       | 80,0                       | 33x36,5                         |
| Pg 21                                               | 11,0           | 154PC                                                        | Lzp13                         | 80,0                       | 33x36,5                         |
|                                                     |                | 154PC                                                        | Lzp16                         | 80,0                       | 33x36,5                         |
|                                                     |                | 154PC                                                        | Lzp18                         | 80,0                       | 33x36,5                         |
|                                                     |                | 15455PC                                                      | Lzp21 *                       | 104,0                      | 43x46,5                         |
| Pg 29                                               | 11,0           | 155PC                                                        | Lzp21                         | 108,0                      | 43x46,5                         |
|                                                     |                | 155PC                                                        | Lzp25                         | 108,0                      | 43x46,5                         |

\* Dichteinsatz kurz = Art.-Nr.: Ek...  
\* Sealing insert short = art. no.: Ek...

**i** **Passende Gegenmuttern ab Seite 442**  
Corresponding locknuts see from page 442

# UNI Biege Zug Pg-Kabelverschraubung

UNI Bending Strain relief Pg cable gland

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**PVDF, Farbe: transparent, blau (RAL 5015), schwarz (RAL 9005)**  
**Pg-Anschlussgewinde**  
**Schutzart IP 54**  
**Integrierte Zugentlastung – vibrationsfest**

*PVDF, colour: transparent, blue (RAL 5015), black (RAL 9005)*  
*Pg connection thread*  
*Type of protection IP 54*  
*Integrated strain relief – vibration-resistant*

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Bestellschlüssel<br>Art. no. supplement | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|------------------|--------------------------------------------------------------|
| PVDF                                                  | Transparent                        |                                         | TPE-V                                             | Schwarz<br>Black | -20 °C / +100 °C                                             |
| PVDF                                                  | Blau<br>Blue                       | a                                       | TPE-V                                             | Schwarz<br>Black | -20 °C / +100 °C                                             |
| PVDF                                                  | Schwarz<br>Black                   | n                                       | TPE-V                                             | Schwarz<br>Black | -20 °C / +100 °C                                             |

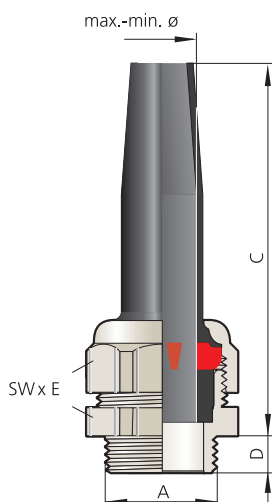


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |                   | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width |    |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|-------------------|----------------------------|---------------------------------|----|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |                   |                            |                                 |    |
|                                                     |         | Transparent =                                                |                               |                   |                            |                                 |    |
|                                                     |         | Blau/Blue = a                                                |                               |                   |                            |                                 |    |
|                                                     |         | Schwarz/Black = n                                            |                               |                   |                            |                                 |    |
| A                                                   | D<br>mm |                                                              |                               | max./min. ø<br>mm | C<br>mm                    | SW x E<br>mm                    |    |
| Pg 7                                                | 8,0     | 14950y                                                       | Lzp 7 *                       | 6,5 – 4,5         | 55,0                       | 19x21,2                         | 50 |
| Pg 9                                                | 8,0     | 150y                                                         | Lzp 7                         | 6,5 – 4,5         | 55,0                       | 19x21,2                         | 50 |
|                                                     |         | 15051y                                                       | Lzp 9 *                       | 9,0 – 6,0         | 64,0                       | 22x24,5                         | 50 |
| Pg 9                                                | 8,5     | 15052y                                                       | Lzp11 *                       | 10,5 – 8,5        | 72,0                       | 24x26,5                         | 50 |
| Pg 11                                               | 8,0     | 151y                                                         | Lzp 9                         | 9,5 – 6,5         | 64,0                       | 22x24,5                         | 50 |
|                                                     |         | 15152y                                                       | Lzp11 *                       | 10,5 – 8,5        | 72,0                       | 24x26,5                         | 50 |
| Pg 11                                               | 9,0     | 15153y                                                       | Lzp13 *                       | 13,0 – 9,0        | 76,0                       | 27x29,5                         | 25 |
| Pg 13,5                                             | 9,0     | 152y                                                         | Lzp 9                         | 9,5 – 6,5         | 72,0                       | 24x26,5                         | 50 |
|                                                     |         | 152y                                                         | Lzp11                         | 10,5 – 8,5        | 72,0                       | 24x26,5                         | 50 |
| Pg 13,5                                             | 8,5     | 15253y                                                       | Lzp13 *                       | 13,0 – 9,0        | 76,0                       | 27x29,5                         | 25 |
| Pg 13,5                                             | 9,0     | 15254y                                                       | Lzp16 *                       | 15,5 – 13,0       | 76,0                       | 33x36,5                         | 10 |
| Pg 16                                               | 9,0     | 153y                                                         | Lzp 9                         | 9,5 – 6,5         | 80,0                       | 27x29,5                         | 25 |
|                                                     |         | 153y                                                         | Lzp11                         | 10,5 – 8,5        | 80,0                       | 27x29,5                         | 25 |
|                                                     |         | 153y                                                         | Lzp13                         | 13,0 – 9,0        | 80,0                       | 27x29,5                         | 25 |
|                                                     |         | 15354y                                                       | Lzp16 *                       | 15,5 – 13,0       | 80,0                       | 33x36,5                         | 10 |
| Pg 21                                               | 11,0    | 154y                                                         | Lzp13                         | 13,0 – 9,0        | 80,0                       | 33x36,5                         | 10 |
|                                                     |         | 154y                                                         | Lzp16                         | 15,5 – 13,0       | 80,0                       | 33x36,5                         | 10 |
|                                                     |         | 154y                                                         | Lzp18                         | 17,5 – 14,0       | 80,0                       | 33x36,5                         | 10 |
|                                                     |         | 15455y                                                       | Lzp21 *                       | 20,0 – 17,0       | 104,0                      | 43x46,5                         | 10 |
| Pg 29                                               | 10,5    | 155y                                                         | Lzp21                         | 20,0 – 17,0       | 108,0                      | 43x46,5                         | 10 |
|                                                     |         | 155y                                                         | Lzp25                         | 24,0 – 21,0       | 108,0                      | 43x46,5                         | 10 |

\* Dichteinsatz kurz = Art.-Nr.: Ek...

\* Sealing insert short = art. no.: Ek...

15590 | ITT00710

# UNI Zoll Dicht-Kabelverschraubung

UNI Inch Dicht cable gland

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt**  
**Zylindrisches Whitworth-Zoll-Gewinde DIN EN ISO 228-1**  
**Mit O-Ring**  
**Schutzart IP 68 bis 10 bar**  
**Zugentlastung bis Klasse A, EN 62444**

*Brass, nickel-plated*  
*Whitworth inch thread DIN EN ISO 228-1*  
*With o-ring*  
*Type of protection IP 68 up to 10 bar*  
*Strain relief up to class A, EN 62444*

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE                                               | s. FC<br>s. CC   |                                         | -40 °C / +130 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -55 °C / +200 °C                                             |

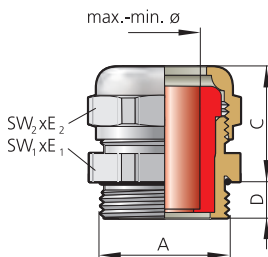


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |                   | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width                                          |    |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|-------------------|----------------------------|--------------------------------------------------------------------------|----|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |                   |                            |                                                                          |    |
|                                                     |         | TPE                                                          | =                             |                   |                            |                                                                          |    |
|                                                     |         | TPE-V                                                        | = p                           |                   |                            |                                                                          |    |
|                                                     |         | Silikon HT/Silicone HT                                       | = H                           |                   |                            |                                                                          |    |
| A                                                   | D<br>mm |                                                              |                               | max./min. ø<br>mm | C<br>mm                    | SW <sub>1</sub> x E <sub>1</sub> /SW <sub>2</sub> x E <sub>2</sub><br>mm |    |
| G1/4 "                                              | 6,0     | 101449d                                                      | 7                             | 6,5 – 4,0         | 20,0                       | 17x18,9/14x15,5                                                          | 50 |
| G3/8 "                                              | 6,0     | 1038d                                                        | 7 *                           | 6,5 – 4,0         | 20,0                       | 20x22,2                                                                  | 50 |
|                                                     |         | 1038d                                                        | 9 *                           | 9,5 – 6,5         | 20,0                       | 20x22,2                                                                  | 50 |
| G1/2 "                                              | 7,0     | 101252d                                                      | 7                             | 6,5 – 4,0         | 21,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 101252d                                                      | 8                             | 8,0 – 5,0         | 21,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 101252d                                                      | 9                             | 9,5 – 6,5         | 21,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 101252d                                                      | 11                            | 10,5 – 7,0        | 21,0                       | 22x24,4                                                                  | 50 |
|                                                     |         | 101252d                                                      | 13                            | 13,0 – 9,0        | 21,0                       | 22x24,4                                                                  | 50 |
| G3/4 "                                              | 9,0     | 103454d                                                      | 11                            | 10,5 – 7,0        | 27,0                       | 30x33,5                                                                  | 25 |
|                                                     |         | 103454d                                                      | 13                            | 13,0 – 9,0        | 27,0                       | 30x33,5                                                                  | 25 |
|                                                     |         | 103454d                                                      | 16                            | 15,5 – 11,5       | 27,0                       | 30x33,5                                                                  | 25 |
|                                                     |         | 103454d                                                      | 18                            | 18,0 – 14,0       | 27,0                       | 30x33,5                                                                  | 25 |
|                                                     |         | 103454d                                                      | 20                            | 20,5 – 17,0       | 27,0                       | 30x33,5                                                                  | 25 |
| G1 "                                                | 9,0     | 110054d                                                      | 11                            | 10,5 – 7,0        | 25,0                       | 35x38,3/30x33,5                                                          | 25 |
|                                                     |         | 110054d                                                      | 13                            | 13,0 – 9,0        | 25,0                       | 35x38,3/30x33,5                                                          | 25 |
|                                                     |         | 110054d                                                      | 16                            | 15,5 – 11,5       | 25,0                       | 35x38,3/30x33,5                                                          | 25 |
|                                                     |         | 110054d                                                      | 18                            | 18,0 – 14,0       | 25,0                       | 35x38,3/30x33,5                                                          | 25 |
|                                                     |         | 110054d                                                      | 20                            | 20,5 – 17,0       | 25,0                       | 35x38,3/30x33,5                                                          | 25 |
| G1 1/4 "                                            | 9,0     | 1114d                                                        | 30 *                          | 30,0 – 26,0       | 28,0                       | 45x48                                                                    | 10 |
| G1 1/2 "                                            | 9,0     | 111256d                                                      | 32                            | 32,0 – 27,0       | 28,0                       | 50x54                                                                    | 5  |
|                                                     |         | 111256d                                                      | 34                            | 34,0 – 29,0       | 28,0                       | 50x54                                                                    | 5  |
|                                                     |         | 111256d                                                      | 36                            | 36,0 – 32,0       | 28,0                       | 50x54                                                                    | 5  |
| G2 "                                                | 10,0    | 120058d                                                      | 44 *                          | 44,0 – 39,0       | 31,0                       | 64x69                                                                    | 5  |
| G2 1/2 "                                            | 15,0    | 1212d                                                        | 47 *                          | 47,0 – 42,0       | 40,0                       | 81x87                                                                    | 1  |
|                                                     |         | 1212d                                                        | 52 *                          | 52,0 – 45,0       | 40,0                       | 81x87                                                                    | 1  |
|                                                     |         | 1212d                                                        | 55 *                          | 55,0 – 51,0       | 40,0                       | 81x87                                                                    | 1  |
|                                                     |         | 1212d                                                        | 58 *                          | 58,0 – 54,0       | 40,0                       | 81x87                                                                    | 1  |
| G3 "                                                | 15,0    | 1300d                                                        | 57 *                          | 57,0 – 50,0       | 40,0                       | 95x102                                                                   | 1  |
|                                                     |         | 1300d                                                        | 64 *                          | 64,0 – 58,0       | 40,0                       | 95x102                                                                   | 1  |
|                                                     |         | 1300d                                                        | 70 *                          | 70,0 – 63,0       | 40,0                       | 95x102                                                                   | 1  |

\* Dichteinsatz aus Silikon HT nicht lieferbar  
\* Sealing insert silicone HT not available

## UNI NPT Dicht-Kabelverschraubung

UNI NPT Dicht cable gland

CE RoHS



Abb. 1  
Fig. 1



Abb. 2  
Fig. 2

**Messing vernickelt**  
**Kegeliges NPT-Gewinde ASAB 2.1-1960**  
**Schutzart IP 68 bis 10 bar**  
**Zugentlastung bis Klasse A, EN 62444**

Brass, nickel-plated  
Tapered NPT thread ASAB 2.1-1960  
Type of protection IP 68 up to 10 bar  
Strain relief up to class A, EN 62444

Metallrohre mit kegelförmigem NPT-Anschlussgewinde werden in den USA und Japan zum Kabelschutz in der Elektroinstallation verwendet. Das kegelförmige Außengewinde ist selbstdichtend bei kegelförmigem Innengewinde (gasdicht) ohne zusätzliche Maßnahmen zur Abdichtung. Das NPT-Gewinde ist gemäß ASAB 2.1-1960 genormt.

**Zur UNI NPT Dicht-Kabelverschraubung passen alle Einsatzdichtungen des PFLITSCH-Systems UNI Dicht für die Aufgaben:**

- Erhöhte Zugentlastung
- Mehrfach
- Flache Kabel
- ASI-Bus-Kabel
- Biegeschutz
- Geschlossene Einsätze und Druckschrauben mit:
  - Schlauchstutzen
  - Zugentlastung
  - Federbiegeschutz

Metal pipes with conical NPT connection threads are used in the USA and Japan to protect cables in electrical installations. The conical external thread is self-sealing with the conical internal thread (gas-tight) without the use of additional measures to achieve the seal. The NPT thread is standardised in ASAB 2.1-1960.

**Suitable for UNI NPT Dicht cable glands are all insert sealings of the PFLITSCH UNI Dicht systems for the jobs:**

- Increased strain relief
- Multiple
- Flat cables
- ASI-bus cables
- Bending protection
- Closed inserts and pressure screws with:
  - hose nozzles
  - strain relief
  - spring-bending protection

| Werkstoff Verschraubungskörper<br>Material gland body | Ausführung/Farbe<br>Version/colour | Werkstoff Dichteinsatz<br>Material sealing insert | Farbe<br>Colour  | Bestellschlüssel<br>Art. no. supplement | Temperaturbereich min./max.<br>Temperature range (min./max.) |
|-------------------------------------------------------|------------------------------------|---------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------------------|
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE                                               | s. FC<br>s. CC   |                                         | -40 °C / +130 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | TPE-V                                             | Natur<br>Natural | p                                       | -40 °C / +135 °C                                             |
| Messing<br>Brass                                      | Vernickelt<br>Nickel-plated        | Silikon HT<br>Silicone HT                         | Schwarz<br>Black | H                                       | -55 °C / +200 °C                                             |

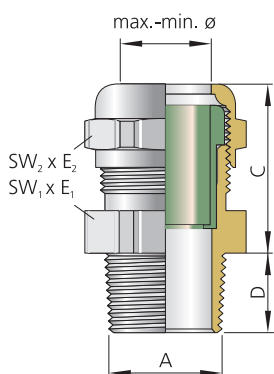


Abb. 3  
Fig. 3

| Anschlussgewinde/-länge<br>Connection thread/length |         | Art.-Nr.<br>Art. no.                                         | Dichtbereich<br>Sealing range |                   | Bauhöhe<br>Mounting height | Schlüsselweite<br>Spanner width                                          |                                                                                       |
|-----------------------------------------------------|---------|--------------------------------------------------------------|-------------------------------|-------------------|----------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                                                     |         | Ausführung bitte ergänzen<br>Please complete product details |                               |                   |                            |                                                                          |                                                                                       |
| A                                                   | D<br>mm | TPE                                                          | =                             | max./min. ø<br>mm | C<br>mm                    | SW <sub>1</sub> x E <sub>1</sub> /SW <sub>2</sub> x E <sub>2</sub><br>mm |  |
|                                                     |         | TPE-V                                                        | = p                           |                   |                            |                                                                          |                                                                                       |
|                                                     |         | Silikon HT/Silicone HT                                       | = H                           |                   |                            |                                                                          |                                                                                       |
| NPT3/8 "                                            | 13,0    | 303851d                                                      | 7                             | 6,5– 4,0          | 28,0                       | 20x22,2                                                                  | 50                                                                                    |
|                                                     |         | 303851d                                                      | 8 *                           | 8,0– 5,0          | 28,0                       | 20x22,2                                                                  | 50                                                                                    |
|                                                     |         | 303851d                                                      | 9                             | 9,5– 6,5          | 28,0                       | 20x22,2                                                                  | 50                                                                                    |
|                                                     |         | 303851d                                                      | 11                            | 10,5– 7,0         | 28,0                       | 20x22,2                                                                  | 50                                                                                    |
| NPT1/2 "                                            | 16,0    | 301253d                                                      | 7                             | 6,5– 4,0          | 28,0                       | 24x26,7/22x24,4                                                          | 50                                                                                    |
|                                                     |         | 301253d                                                      | 8                             | 8,0– 5,0          | 28,0                       | 24x26,7/22x24,4                                                          | 50                                                                                    |
|                                                     |         | 301253d                                                      | 9                             | 9,5– 6,5          | 28,0                       | 24x26,7/22x24,4                                                          | 50                                                                                    |
|                                                     |         | 301253d                                                      | 11                            | 10,5– 7,0         | 28,0                       | 24x26,7/22x24,4                                                          | 50                                                                                    |
|                                                     |         | 301253d                                                      | 13                            | 13,0– 9,0         | 28,0                       | 24x26,7/22x24,4                                                          | 50                                                                                    |
|                                                     |         | 301253d                                                      | 16                            | 15,5– 11,5        | 28,0                       | 24x26,7/22x24,4                                                          | 50                                                                                    |
| NPT3/4 "                                            | 16,0    | 303454d                                                      | 11                            | 10,5– 7,0         | 35,0                       | 30x33,5                                                                  | 25                                                                                    |
|                                                     |         | 303454d                                                      | 13                            | 13,0– 9,0         | 35,0                       | 30x33,5                                                                  | 25                                                                                    |
|                                                     |         | 303454d                                                      | 16                            | 15,5– 11,5        | 35,0                       | 30x33,5                                                                  | 25                                                                                    |
|                                                     |         | 303454d                                                      | 18                            | 18,0– 14,0        | 35,0                       | 30x33,5                                                                  | 25                                                                                    |
|                                                     |         | 303454d                                                      | 20                            | 20,5– 17,0        | 35,0                       | 30x33,5                                                                  | 25                                                                                    |
| NPT1 "                                              | 20,0    | 310055d                                                      | 16                            | 15,5– 11,5        | 39,0                       | 40x43,5                                                                  | 10                                                                                    |
|                                                     |         | 310055d                                                      | 18                            | 18,0– 14,0        | 39,0                       | 40x43,5                                                                  | 10                                                                                    |
|                                                     |         | 310055d                                                      | 20                            | 20,5– 17,0        | 39,0                       | 40x43,5                                                                  | 10                                                                                    |
|                                                     |         | 310055d                                                      | 25                            | 25,0– 20,0        | 39,0                       | 40x43,5                                                                  | 10                                                                                    |
|                                                     |         | 310055d                                                      | 28                            | 28,0– 24,0        | 39,0                       | 40x43,5                                                                  | 10                                                                                    |
| NPT1 1/4 "                                          | 20,0    | 311456d                                                      | 32                            | 32,0– 27,0        | 40,0                       | 50x54                                                                    | 10                                                                                    |
|                                                     |         | 311456d                                                      | 34                            | 34,0– 29,0        | 40,0                       | 50x54                                                                    | 10                                                                                    |
|                                                     |         | 311456d                                                      | 36                            | 36,0– 32,0        | 40,0                       | 50x54                                                                    | 10                                                                                    |
| NPT1 1/2 "                                          | 22,0    | 311257d                                                      | 36 *                          | 36,0– 32,0        | 40,0                       | 57x61,5                                                                  | 5                                                                                     |
|                                                     |         | 311257d                                                      | 40 *                          | 40,0– 36,0        | 40,0                       | 57x61,5                                                                  | 5                                                                                     |
| NPT2 "                                              | 25,0    | 320058d                                                      | 44 *                          | 44,0– 39,0        | 40,0                       | 64x69                                                                    |                                                                                       |

\* Dichteinsatz aus Silikon HT nicht lieferbar

\* Sealing insert silicone HT not available

**Übersichtstabelle für die UNI Dicht-Komponenten – Pg**
*Overview of UNI Dicht components – Pg*
**Messing vernickelt, Edelstahl 1.4305, Polycarbonat: Farbe grau (RAL 7035), PVDF: Farbe transparent, mit Pg-Gewinde, Schutzart IP 68 bis 10 bar**
*Brass, nickel-plated, stainless steel AISI 303, Polycarbonate: colour grey (RAL 7035), PVDF: colour transparent, with Pg connecting thread, type of protection: IP 68 up to 10 bar*

| <b>Anschlussgewinde</b><br><i>Connection thread</i> | <b>Messing vernickelt</b><br><i>Brass, nickel-plated</i> |                        |                        | <b>Edelstahl 1.4305</b><br><i>Stainless steel AISI 303</i> |                        |                        | <b>Polycarbonat</b><br><i>Polycarbonate</i> |
|-----------------------------------------------------|----------------------------------------------------------|------------------------|------------------------|------------------------------------------------------------|------------------------|------------------------|---------------------------------------------|
| <b>A</b>                                            | <b>DS<sup>1)</sup></b>                                   | <b>DN<sup>1)</sup></b> | <b>VK<sup>1)</sup></b> | <b>DS<sup>1)</sup></b>                                     | <b>DN<sup>1)</sup></b> | <b>VK<sup>1)</sup></b> | <b>DS<sup>1)</sup></b>                      |
| Pg 7                                                | DS 149d                                                  | DN 149d                | VK 149d                | DS 149st                                                   | DN 149st               | VK 149st               | DS 149PC                                    |
| Pg 7                                                | DS 150d                                                  | DN 14950d              | VK 14950d              |                                                            |                        |                        | DS 150PC                                    |
| Pg 7                                                | DS 151d                                                  | DN 14951d              | VK 14951d              |                                                            |                        |                        |                                             |
| Pg 9                                                | DS 150d                                                  | DN 150d                | VK 150d                | DS 150st                                                   | DN 150st               | VK 150st               | DS 150PC                                    |
| Pg 9                                                | DS 151d                                                  | DN 15051d              | VK 15051d              |                                                            |                        |                        | DS 151PC                                    |
| Pg 9                                                | DS 152d                                                  | DN 15052d              | VK 15052d              |                                                            |                        |                        |                                             |
| Pg 9                                                | DS 153d                                                  | DN 15053d              | VK 15053d              |                                                            |                        |                        |                                             |
| Pg 11                                               | DS 151d                                                  | DN 151d                | VK 151d                | DS 151st                                                   | DN 151st               | VK 151st               | DS 151PC                                    |
| Pg 11                                               | DS 152d                                                  | DN 15152d              | VK 15152d              |                                                            |                        |                        | DS 152PC                                    |
| Pg 11                                               | DS 153d                                                  | DN 15153d              | VK 15153d              |                                                            |                        |                        |                                             |
| Pg 11                                               |                                                          |                        |                        |                                                            |                        |                        |                                             |
| Pg 13,5                                             | DS 152d                                                  | DN 152d                | VK 152d                | DS 152st                                                   | DN 152st               | VK 152st               | DS 152PC                                    |
| Pg 13,5                                             | DS 153d                                                  | DN 15253d              | VK 15253d              |                                                            |                        |                        | DS 153PC                                    |
| Pg 13,5                                             | DS 154d18                                                | DN 15254d              | VK 15254d18            |                                                            |                        |                        | DS 154PC                                    |
| Pg 13,5                                             | DS 154d21                                                | DN 15254d              | VK 15254d21            |                                                            |                        |                        |                                             |
| Pg 16                                               | DS 153d                                                  | DN 153d                | VK 153d                | DS 153st                                                   | DN 153st               | VK 153st               | DS 153PC                                    |
| Pg 16                                               | DS 154d18                                                | DN 15354d              | VK 15354d18            |                                                            |                        |                        | DS 154PC                                    |
| Pg 16                                               | DS 154d21                                                | DN 15354d              | VK 15354d21            |                                                            |                        |                        |                                             |
| Pg 16                                               |                                                          |                        |                        |                                                            |                        |                        |                                             |

1) Abkürzungen siehe Seite 138 bis 143 \* Werkstoff POM (Farbe weiß), Temperaturbereich: -40 °C bis +110 °C.

1) Abbreviations see page 138 to 143 \* Material POM (white colour), temperature range: -40 °C up to +110 °C

| Polycarbonat<br>Polycarbonate |                  | PVDF<br>PVDF     |                  |                  | Dichteinsätze<br>Sealing inserts |          |                     |                               |
|-------------------------------|------------------|------------------|------------------|------------------|----------------------------------|----------|---------------------|-------------------------------|
| DN <sup>1)</sup>              | VK <sup>1)</sup> | DS <sup>1)</sup> | DN <sup>1)</sup> | VK <sup>1)</sup> | TPE                              | TPE-V    | Silikon<br>silicone | TPE geschlossen<br>TPE closed |
| DN 149PC                      | VK 149PC         | DS 149y          | DN 149y          | VK 149y          | E 149/ 7                         | E 149p 7 | E 149i 7 HF/HT      | E 149g                        |
| DN 14950PC                    | VK 14950PC       | DS 150y          | DN 14950y        | VK 14950y        | Ek150/ 8                         | Ek150p 8 | E 150i 8 HF/HT      | Ek150g                        |
|                               |                  |                  |                  |                  | Ek150/ 9                         | Ek150p 9 | E 150i 9 HF/HT      |                               |
|                               |                  |                  |                  |                  | Ek151/ 8                         | Ek151p 8 |                     | Ek151g                        |
|                               |                  |                  |                  |                  | Ek151/ 9                         | Ek151p 9 | E 151i 9 HF/HT      |                               |
|                               |                  |                  |                  |                  | Ek151/11                         | Ek151p11 | E 151i11 HF/HT      |                               |
| DN 150PC                      | VK 150PC         | DS 150y          | DN 150y          | VK 150y          | E 150/ 7                         | E 150p 7 | E 150i 7/HT         | E 150g                        |
|                               |                  |                  |                  |                  | E 150/ 8                         | E 150p 8 | E 150i 8/HT         |                               |
|                               |                  |                  |                  |                  | E 150/ 9                         | E 150p 9 | E 150i 9/HT         |                               |
| DN 15051PC                    | VK 15051PC       | DS 151y          | DN 15051y        | VK 15051y        | Ek151/11                         | Ek151p11 | E 151i11 HF/HT      | Ek151g                        |
|                               |                  | DS 152y          | DN 15052y        | VK 15052y        | Ek152/11                         | Ek152p11 | E 152i11 HF/HT      | Ek152g                        |
|                               |                  |                  |                  |                  | Ek152/13                         | Ek152p13 | E 152i13 HF/HT      |                               |
|                               |                  |                  |                  |                  | Ek153/11                         | Ek153p11 | E 153i11 HF/HT      | Ek153g                        |
|                               |                  |                  |                  |                  | Ek153/13                         | Ek153p13 | E 153i13 HF/HT      |                               |
|                               |                  |                  |                  |                  | Ek153/16                         | Ek153p16 | E 153i16 HF/HT      |                               |
| DN 151PC                      | VK 151PC         | DS 151y          | DN 151y          | VK 151y          | E 151/ 7                         | E 151p 7 | E 151i 7/HT         | E 151g                        |
|                               |                  |                  |                  |                  | E 151/ 8                         | E 151p 8 |                     |                               |
|                               |                  |                  |                  |                  | E 151/ 9                         | E 151p 9 | E 151i 9/HT         |                               |
|                               |                  |                  |                  |                  | E 151/11                         | E 151p11 | E 151i11/HT         |                               |
| DN 15152PC                    | VK 15152PC       | DS 152y          | DN 15152y        | VK 15152y        | Ek152/13                         | Ek152p13 | E 152i13 HF/HT      | Ek152g                        |
|                               |                  | DS 153y          | DN 15153y        | VK 15153y        | Ek153/13                         | Ek153p13 | E 153i13 HF/HT      | Ek153g                        |
|                               |                  |                  |                  |                  | Ek153/16                         | Ek153p16 | E 153i16 HF/HT      |                               |
|                               |                  | DS 154y          | DN 15154p *      | VK 15154p *      | Ek154/13                         | Ek154p13 | E 154i13 HF/HT      | Ek154g                        |
|                               |                  |                  |                  |                  | Ek154/16                         | Ek154p16 | E 154i16 HF/HT      |                               |
|                               |                  |                  |                  |                  | Ek154/18                         | Ek154p18 | E 154i18 HF/HT      |                               |
|                               |                  |                  |                  |                  | Ek154/20                         | Ek154p20 | E 154i20 HF/HT      |                               |
| DN 152PC                      | VK 152PC         | DS 152y          | DN 152y          | VK 152y          | E 152/ 7                         | E 152p 7 | E 152i 7/HT         | E 152g                        |
|                               |                  |                  |                  |                  | E 152/ 8                         | E 152p 8 | E 152i 8/HT         |                               |
|                               |                  |                  |                  |                  | E 152/ 9                         | E 152p 9 | E 152i 9/HT         |                               |
|                               |                  |                  |                  |                  | E 152/11                         | E 152p11 | E 152i11/HT         |                               |
|                               |                  |                  |                  |                  | E 152/13                         | E 152p13 | E 152i13/HT         |                               |
| DN 15253PC                    | VK 15253PC       | DS 153y          | DN 15253y        | VK 15253y        | Ek153/16                         | Ek153p16 | E 153i16 HF/HT      | Ek153g                        |
| DN 15254PC                    | VK 15254PC       | DS 154y          | DN 15254y        | VK 15254y        | Ek154/16                         | Ek154p16 | E 154i16 HF/HT      | Ek154g                        |
|                               |                  |                  |                  |                  | Ek154/18                         | Ek154p18 | E 154i18 HF/HT      |                               |
|                               |                  |                  |                  |                  | Ek154/20                         | Ek154p20 | E 154i20 HF/HT      | Ek154g                        |
| DN 153PC                      | VK 153PC         | DS 153y          | DN 153y          | VK 153y          | E 153/ 7                         | E 153p 7 | E 153i 7/HT         | E 153g                        |
|                               |                  |                  |                  |                  | E 153/ 8                         | E 153p 8 | E 153i 8/HT         |                               |
|                               |                  |                  |                  |                  | E 153/ 9                         | E 153p 9 | E 153i 9/HT         |                               |
|                               |                  |                  |                  |                  | E 153/11                         | E 153p11 | E 153i11/HT         |                               |
|                               |                  |                  |                  |                  | E 153/13                         | E 153p13 | E 153i13/HT         |                               |
|                               |                  |                  |                  |                  | E 153/16                         | E 153p16 | E 153i16/HT         |                               |
| DN 15354PC                    | VK 15354PC       | DS 154y          | DN 15354y        | VK 15354y        | Ek154/16                         | Ek154p16 | E 154i16 HF/HT      | Ek154g                        |
|                               |                  |                  |                  |                  | Ek154/18                         | Ek154p18 | E 154i18 HF/HT      |                               |
|                               |                  |                  |                  |                  | Ek154/20                         | Ek154p20 | E 154i20 HF/HT      | Ek154g                        |
|                               |                  | DS 155y          | DN 15355y        | VK 15355y        | Ek155/18                         | Ek155p18 | E 155i18 HF/HT      | Ek155g                        |
|                               |                  |                  |                  |                  | Ek155/20                         | Ek155p20 | E 155i20 HF/HT      |                               |
|                               |                  |                  |                  |                  | Ek155/25                         | Ek155p25 | E 155i25 HF/HT      |                               |
|                               |                  |                  |                  |                  | Ek155/28                         | Ek155p28 | E 155i28 HF/HT      |                               |

**Übersichtstabelle für die UNI Dicht-Komponenten – Pg**
*Overview of UNI Dicht components – Pg*
**Messing vernickelt, Edelstahl 1.4305, Polycarbonat: Farbe grau (RAL 7035), PVDF: Farbe transparent, mit Pg-Gewinde, Schutzart IP 68 bis 10 bar**
*Brass, nickel-plated, stainless steel AISI 303, Polycarbonate: colour grey (RAL 7035), PVDF: colour transparent, with Pg connecting thread, type of protection: IP 68 up to 10 bar*
 Fortsetzung von vorheriger Seite  
*Continued from previous page*

| <b>Anschlussgewinde</b><br><i>Connection thread</i> | <b>Messing vernickelt</b><br><i>Brass, nickel-plated</i> |                        |                        | <b>Edelstahl 1.4305</b><br><i>Stainless steel AISI 303</i> |                        |                        | <b>Polycarbonat</b><br><i>Polycarbonate</i> |
|-----------------------------------------------------|----------------------------------------------------------|------------------------|------------------------|------------------------------------------------------------|------------------------|------------------------|---------------------------------------------|
| <b>A</b>                                            | <b>DS<sup>1)</sup></b>                                   | <b>DN<sup>1)</sup></b> | <b>VK<sup>1)</sup></b> | <b>DS<sup>1)</sup></b>                                     | <b>DN<sup>1)</sup></b> | <b>VK<sup>1)</sup></b> | <b>DS<sup>1)</sup></b>                      |
| Pg 21                                               | DS 152d                                                  | DN 15452d              | VK 15452d              |                                                            |                        |                        |                                             |
| Pg 21                                               | DS 153d                                                  | DN 15453d              | VK 15453d              |                                                            |                        |                        |                                             |
| Pg 21                                               | DS 154d18                                                | DN 154d                | VK 154d                | DS 154st18                                                 | DN 154st               | VK 154st               | DS 154PC                                    |
| Pg 21                                               | DS 154d21                                                | DN 154d                | VK 154d20              | DS 154st21                                                 | DN 154st               | VK 154st20             | DS 154PC                                    |
| Pg 21                                               | DS 155d                                                  | DN 15455d              | VK 15455d              |                                                            |                        |                        |                                             |
| Pg 21                                               |                                                          |                        |                        |                                                            |                        |                        |                                             |
| Pg 29                                               | DS 153d                                                  | DN 15553d              | VK 15553d              |                                                            |                        |                        |                                             |
| Pg 29                                               | DS 154d18                                                | DN 15554d              | VK 15554d              |                                                            |                        |                        |                                             |
| Pg 29                                               | DS 155d                                                  | DN 155d                | VK 155d                | DS 155st                                                   | DN 155st               | VK 155st               | DS 155PC                                    |
| Pg 29                                               | DS 156d                                                  | DN 15556d              | VK 15556d              |                                                            |                        |                        | DS 156PC                                    |
| Pg 36                                               | DS 155d                                                  | DN 15655d              | VK 15655d              |                                                            |                        |                        |                                             |
| Pg 36                                               | DS 156d                                                  | DN 156d                | VK 156d                | DS 156st                                                   | DN 156st               | VK 156st               | DS 156PC                                    |
| Pg 36                                               | DS 157d                                                  | DN 15657d              | VK 15657d              |                                                            |                        |                        |                                             |
| Pg 42                                               | DS 157d                                                  | DN 157d                | VK 157d                | DS 157st                                                   | DN 157st               | VK 157st               |                                             |
| Pg 48                                               | DS 158d                                                  | DN 158d                | VK 158d                | DS 158st                                                   | DN 158st               | VK 158st               |                                             |

1) Abkürzungen siehe Seite 138 bis 143 \* Werkstoff POM (Farbe weiß), Temperaturbereich: -40 °C bis +110 °C.

1) Abbreviations see page 138 to 143 \* Material POM (white colour), temperature range: -40 °C up to +110 °C

| Polycarbonat<br>Polycarbonate |                  | PVDF<br>PVDF     |                  |                  | Dichteinsätze<br>Sealing inserts |             |                     |                               |
|-------------------------------|------------------|------------------|------------------|------------------|----------------------------------|-------------|---------------------|-------------------------------|
| DN <sup>1)</sup>              | VK <sup>1)</sup> | DS <sup>1)</sup> | DN <sup>1)</sup> | VK <sup>1)</sup> | TPE                              | TPE-V       | Silikon<br>silicone | TPE geschlossen<br>TPE closed |
|                               |                  |                  |                  |                  | E 152/ 7                         | E 152p 7    | E 152i 7/HT         | E 152g                        |
|                               |                  |                  |                  |                  | E 152/ 8                         | E 152p 8    | E 152i 8/HT         |                               |
|                               |                  |                  |                  |                  | E 152/ 9                         | E 152p 9    | E 152i 9/HT         |                               |
|                               |                  |                  |                  |                  | E 153/ 7                         | E 153p 7    | E 153i 7/HT         | E 153g                        |
|                               |                  |                  |                  |                  | E 153/ 8                         | E 153p 8    | E 153i 8/HT         |                               |
|                               |                  |                  |                  |                  | E 153/ 9                         | E 153p 9    | E 153i 9/HT         |                               |
| DN 154PC                      | VK 154PC         | DS 154y          | DN 154y          | VK 154y          | E 154/11                         | E 154p11    | E 154i11/HT         | E 154g                        |
|                               |                  |                  |                  |                  | E 154/13                         | E 154p13    | E 154i13/HT         |                               |
|                               |                  |                  |                  |                  | E 154/16                         | E 154p16    | E 154i16/HT         |                               |
|                               |                  |                  |                  |                  | E 154/18                         | E 154p18    | E 154i18/HT         |                               |
| DN 154PC                      | VK 154PC         | DS 154y          | DN 154y          | VK 154y          | E 154/20                         | E 154p20    | E 154i20/HT         | E 154g                        |
|                               |                  |                  |                  |                  | Ek155/25                         | Ek155p25    | E 155i25 HF/HT      | Ek155g                        |
|                               |                  |                  |                  |                  | Ek155/28                         | Ek155p28    | E 155i28 HF/HT      |                               |
|                               |                  | DS 156y          | DN 15456y        | VK 15456y        | Ek156/32                         | Ek156p32    | E 156i32 HF/HT      | Ek156g                        |
|                               |                  |                  |                  |                  | Ek156/34                         | Ek156p34    | E 156i34 HF/HT      |                               |
|                               |                  |                  |                  |                  | Ek156/36                         | Ek156p36    | E 156i36 HF/HT      |                               |
|                               |                  |                  |                  |                  | E 153/ 7                         | E 153p 7    | E 153i 7/HT         | E 153g                        |
|                               |                  |                  |                  |                  | E 153/ 8                         | E 153p 8    | E 153i 8/HT         |                               |
|                               |                  |                  |                  |                  | E 153/ 9                         | E 153p 9    | E 153i 9/HT         |                               |
|                               |                  |                  |                  |                  | E 153/11                         | E 153p11    | E 153i11/HT         |                               |
|                               |                  |                  |                  |                  | E 153/13                         | E 153p13    | E 153i13/HT         |                               |
|                               |                  |                  |                  |                  | Ek154/11                         | Ek154p11    | E 154i11/HT         | Ek154g                        |
|                               |                  |                  |                  |                  | Ek154/13                         | Ek154p13    | E 154i13 HF/HT      |                               |
| DN 155PC                      | VK 155PC         | DS 155y          | DN 155y          | VK 155y          | E 155/16                         | E 155p16    | E 155i16/HT         | E 155g                        |
|                               |                  |                  |                  |                  | E 155/18                         | E 155p18    | E 155i18/HT         |                               |
|                               |                  |                  |                  |                  | E 155/20                         | E 155p20    | E 155i20/HT         |                               |
|                               |                  |                  |                  |                  | E 155/25                         | E 155p25    | E 155i25/HT         |                               |
|                               |                  |                  |                  |                  | E 155/28                         | E 155p28    | E 155i28/HT         |                               |
| DN 15556PC                    | VK 15556PC       | DS 156y          | DN 15556y        | VK 15556y        | Ek156/32                         | Ek156p32    | E 156i32 HF/HT      | Ek156g                        |
|                               |                  |                  |                  |                  | Ek156/34                         | Ek156p34    | E 156i34 HF/HT      |                               |
|                               |                  |                  |                  |                  | Ek156/36                         | Ek156p36    | E 156i36 HF/HT      |                               |
|                               |                  |                  |                  |                  | E 155/16                         | E 155p16    | E 155i16/HT         | E 155g                        |
|                               |                  |                  |                  |                  | E 155/18                         | E 155p18    | E 155i18/HT         |                               |
|                               |                  |                  |                  |                  | E 155/20                         | E 155p20    | E 155i20/HT         |                               |
|                               |                  |                  |                  |                  | E 155/25                         | E 155p25    | E 155i25/HT         |                               |
|                               |                  |                  |                  |                  | E 155/28                         | E 155p28    | E 155i28/HT         |                               |
| DN 156PC                      | VK 156PC         | DS 156y          | DN 156y          | VK 156y          | E 156/32                         | E 156p32    | E 156i32/HT         | E 156g                        |
|                               |                  |                  |                  |                  | E 156/34                         | E 156p34    | E 156i34/HT         |                               |
|                               |                  |                  |                  |                  | E 156/36                         | E 156p36    | E 156i36/HT         |                               |
|                               |                  |                  |                  |                  | E 157/40 HF                      | E 157p40 HF |                     | Ek157g                        |
|                               |                  | DS 157p *        | DN 157p *        | VK 157p *        | E 157/40                         | E 157p40    |                     | E 157g                        |
|                               |                  | DS 158p *        | DN 158p *        | VK 158y          | E 158/44                         | E 158p44    |                     | E 158g                        |

