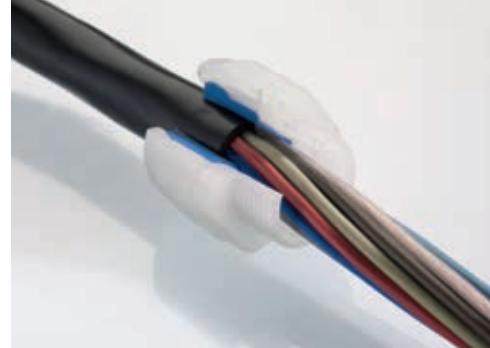


5

UNI Dicht®



Die bewährte UNI Dicht® – metrisch

Tried 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 Dickeinsatz für konfektionierte
Kabel
Fig. 2 – UNI Multiple with split sealing insert for preassembled 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 in den gängigen Pg-Gewinden und mit internationalen Sondergewinden wie NPT, CTG oder Zoll. Die Verschraubungskörper sind verfügbar in den Metallen Messing, Zink, Edelstahl, Aluminium und in den Kunststoffen PVDF und PA 6-3. Die Dichteinsätze fertigt PFLITSCH aus den hochwertigen Materialien TPE, TPE-V und Silikon (LSR). Diese thermoplastischen Elastomere (TPE und TPE-V) sind resistent gegen Chemikalien und sorgen für eine verbesserte Zugentlastung, da sie in Kontakt, z. B. mit Schneidölen, ihr Volumen leicht vergrößern. Darüber hinaus erfüllen UNI Dicht®-Kabelverschraubungen serienmäßig hohe Schutzzonen bis zu IP 68 (bis 10 bar) bzw. IP 69K.

Einsatzbedingungen bestimmen die Ausstattung

Entsprechend der Einsatz-Anforderungen 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® fulfills 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 hose for thoroughgoing 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 – to meet their conditions of application, cable diameters, ambient temperatures, the number of cables, etc. This is individuality in serial quality!

UNI Dicht® comes in the current sizes M4 to M120, as well as in the well-established Pg threads and with international special threads such as NPT, CTG or inch. The system is available in the metals brass, zinc, stainless steel, aluminium and in the plastics PVDF and PA 6-3. PFLITSCH produces the sealing inserts from high-grade TPE, TPE-V and silicone (LSR). These thermoplastic elastomers (TPE + TPE-V) 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) respectively IP 69K as standard.

Conditions of application determine fitting

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 preassembled cables or the combination with hoses or corrugated pipes are simple to realise 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.



1



2

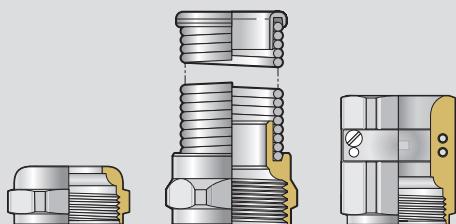
Abb. 1 – Kabelverschraubung mit geschlossenem Dichteinsatz
Fig. 1 – Cable gland with closed sealing insert

Abb. 2 – UNI Dicht® bending cable gland
Fig. 2 – UNI Dicht® bending cable gland

Das PFLITSCH-System UNI Dicht® metrisch Systemteile/Seitenübersicht

The PFLITSCH system
UNI Dicht® metric
Partial overview/Page reference

DS = Druckschraube
DS = Pressure screw



| Werkstoff Material | Standard Standard | UNI Flex UNI Flex | Klemm Increased strain relief |
|------------------------------|---------------------------|-----------------------|----------------------------------|
| Messing Brass | Seite 92-93 Page 92-93 | Seite 141 Page 141 | Seite 136-137 Page 136-137 |
| Edelstahl Stainless steel | Seite 94-95 Page 94-95 | | |
| Polyamid Polyamide | Seite 96 Page 96 | | |
| PVDF PVDF | Seite 97-98 Page 97-98 | | |

E = Dichteinsatz
E = Sealing insert



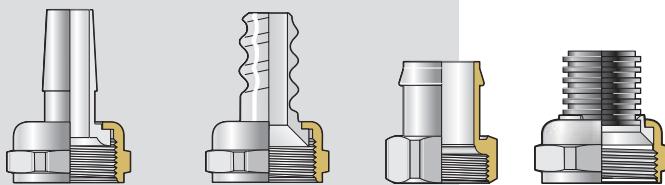
| Werkstoff Material | Standard Standard | Erweitert kurz Extended short | erhöhte Zugentlastung Increased strain relief | EMV HF EMC HF | EMV Konus EMC cone | Mehrzahl Form N Multiple Form N |
|-----------------------|---------------------------|----------------------------------|---|-------------------------------|-------------------------------|---------------------------------------|
| TPE TPE | Seite 92-99 Page 92-99 | Seite 102-104 Page 102-104 | Seite 132-135 Page 132-135 | Seite 252-254 Page 252-254 | Seite 246-247 Page 246-247 | Seite 112-118 Page 112-118 |
| TPE-V TPE-V | Seite 92-99 Page 92-99 | Seite 102-104 Page 102-104 | Seite 132-135 Page 132-135 | Seite 252-254 Page 252-254 | Seite 246-247 Page 246-247 | Seite 112-118 Page 112-118 |
| LSR LSR | Seite 92-99 Page 92-99 | Seite 102-104 Page 102-104 | | Seite 252-254 Page 252-254 | Seite 246 Page 246 | |

DN = Doppelnippel
DN = Double nipple



| Werkstoff Material | Gewindelänge Standard Standard thread length |
|------------------------------|--|
| Messing Brass | Seite 92-93 Page 92-93 |
| Edelstahl Stainless steel | Seite 94-95 Page 94-95 |
| Polyamid Polyamide | Seite 96 Page 96 |
| PVDF PVDF | Seite 97-98 Page 97-98 |
| Zink Zinc | |

DS & DN = VK (Verschraubungskörper)
DS & DN = VK (Gland body)



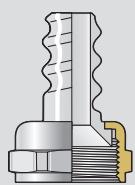
**Glatte Schläuche
dünnwandig**
Plain hose

Seite 431
Page 431

auf Anfrage
on request

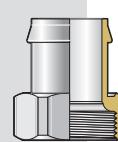
auf Anfrage
on request

Seite 432
Page 432



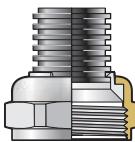
UL-Schlauch
UL-hose

Seite 429
Page 429



**Glatte
Schläuche**
Plain hose

Seite 433-434
Page 433-434



UNI Wellrohr
UNI corrugated
conduit

Seite 427
Page 427

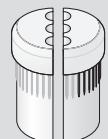


**Biegeschutz/erhöhte
Zugentlastung**
Bending protection incl.
strain relief



**Mehrfach
Form E**
Multiple Form E

Seite 112-118
Page 112-118



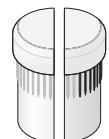
**Mehrfach
geteilt**
Multiple
split version

Seite 120
Page 120



Geschlossen

Seite 120
Page 120



**Geschlossen –
geteilt**
Closed –
split version



Flachkabel

Seite 125-129
Page 125-129



Buskabel ASi

Seite 125-129
Page 125-129



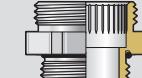
Biegeschutz
Bending
protection

auf Anfrage
on request



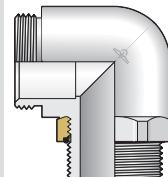
**Gewindelänge
lang**
Long thread length

Seite 92-93,99
Page 92-93,99



Form E erweitert
Form E extended

Seite 102
Page 102



Winkel
Angle 90°

Seite 407,410
Page 407,410

Seite 97
Page 97

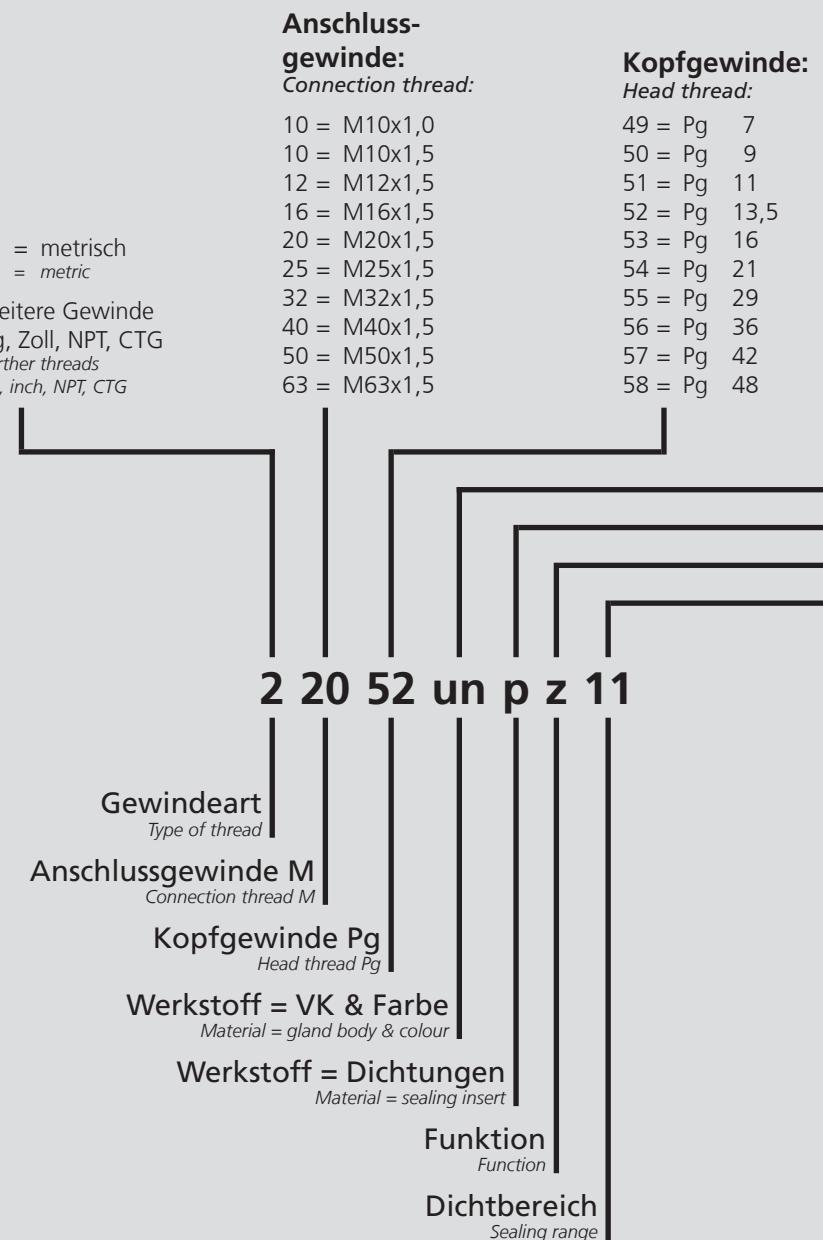
Seite 103
Page 103

Seite 104
Page 104

Seite 404-406,409
Page 404-406,409

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 = Zug
Strain relief
- e = Entstör
Interference suppression
- ez = Entstör & Zug
Interference suppression & strain relief
- L = Biegeschutz
Bending protection
- Lz = Biege & Zug
Bending protection & strain relief
- m = Mehrfach
Multiple
- mK = Multifunktion (Stecker)
Multifunction (Connector)
- s = Schlauch
Hose

Werkstoffe
Verschraubungskörper:
Materials gland body:

- d = Ms, vernickelt
brass, nickel plated
- st = VA (1.4305)
AISI 303
- u = PA-6-3 Farbe grau
colour grey
- un = PA-6-3 Farbe schwarz
colour black
- w = PA-6-3 Winkel 90°
angle 90°
- y = PVDF Farbe transparent
colour transparent
- ya = PVDF Farbe blau
colour blue
- yn = PVDF Farbe schwarz
colour black
- VW = Zink Winkel 90°
Zinc angle 90°

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

- = TPE
- p = TPE-V
- i = LSR

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

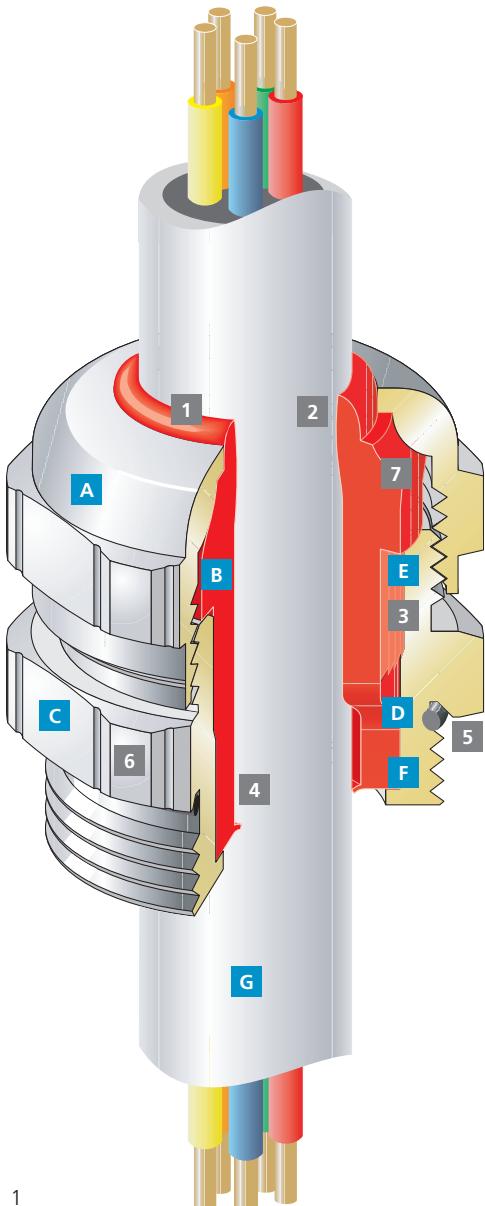


Abb. 1 – Querschnitt einer UNI Dicht®-Kabelverschraubung
Fig. 1 – Cross section of a UNI Dicht® cable gland

Komponenten:

Components:

- A** Druckschraube (DS)
Pressure screw (DS)
 - Messing, galv. vernickelt
 - Brass, galv. nickel plated
 - Edelstahl (1.4305)
 - Stainless steel (AISI 303)
 - Edelstahl (1.4571)
 - Stainless steel (AISI 316 Ti)
 - Polyamid (PA)
 - Polyamide (PA)
 - PVDF
 - PVDF

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

- C** Doppelnippel (DN)
Double nipple (DN)
 - Messing, galv. vernickelt
 - Brass, galv. nickel plated
 - Edelstahl (1.4305)
 - Stainless steel (AISI 303)
 - Edelstahl (1.4571)
 - Stainless steel (AISI 316 Ti)
 - Polyamid (PA)
 - Polyamide (PA)
 - PVDF
 - PVDF

- D** O-Ring
O-ring
 bei metallischen DN
 with metallic DN
 - Kautschuk (NBR)
 - Rubber (NBR)
 - 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

- kein Kitt notwendig

- no putty needed

- 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

- radial-symmetrically soft cable pressing

- großflächige Zugentlastung

- large-area strain relief

- keine Beschädigung des Kabels

- no damage to the cable

3 - Verdrehschutz 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 - nutgeföhrter 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 trade mark

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)/TPE-Dichteinsätze

UNI colour code (CC)/TPE sealing inserts

| Farbcode FC Colour code CC | Dichtbereich Sealing range max./min. Ø | Anschlussgewinde Connection thread |
|-------------------------------|--|--|
| gelb yellow | (ge) 6,5 – 4,0 | M10, M12, M16, M20, M25 Pg 7, Pg 9, Pg 11, Pg 13,5, Pg 16 |
| grau grey | (gu) 8,0 – 5,0 | M12, M16, M20, M25 Pg 9, Pg 11, Pg 13,5, Pg 16 |
| schwarz black | (sw) 9,5 – 6,5 | M12, M16, M20, M25 Pg 9, Pg 11, Pg 13,5, Pg 16 |
| grün green | (gr) 10,5 – 7,0 | M16, M20, M25, M32 Pg 11, Pg 13,5, Pg 16, Pg 21 |
| rot red | (rt) 13,0 – 9,0 | M16, M20, M25, M32 Pg 9, Pg 13,5, Pg 16, Pg 21 |
| weiß white | (ws) 15,5 – 11,5 | M20, M25, M32, M40 Pg 16, Pg 21, Pg 29 |
| blau blue | (bl) 18,0 – 14,0 | M20, M25, M32, M40 Pg 16, Pg 21, Pg 29 |
| braun brown | (br) 20,5 – 17,0 | M20, M25, M32, M40 Pg 13,5, Pg 16, Pg 21, Pg 29 |
| orange orange | (or) 25,0 – 20,0 | M32, M40 Pg 16, Pg 21, Pg 29 |
| hellgelb light yellow | (hg) 28,0 – 24,0 | M32, M40 Pg 16, Pg 21, Pg 29 |
| anthrazit anthracite | (an) 32,0 – 27,0 | M32, M40, M50 Pg 21, Pg 29, Pg 36 |
| hellblau light blue | (hb) 34,0 – 29,0 | M32, M40, M50 Pg 21, Pg 29, Pg 36 |
| rosa pink | (rs) 36,0 – 32,0 | M32, M40, M50 Pg 21, Pg 29, Pg 36 |
| weiß white | (ws) 40,0 – 36,0 | M50 Pg 36, Pg 42 |
| weiß white | (ws) 44,0 – 39,0 | M63 Pg 48 |


 Ab Größe M75 standardmäßig weiße Dichteinsätze
 From size M75 standard white sealing inserts

U2. UNI Dicht®-Kabelverschraubung
U2. UNI Dicht® cable gland


Abb. 1
Fig. 1

Abb. 2
Fig. 2

Messing vernickelt
Metrisches Anschlussgewinde EN 60423
Schutzart IP 68 bis 10 bar, Type 4X
Grundlage für technische Angaben: EN 62444

Brass nickel plated
Metric connection thread EN 60423
Type of protection IP 68 up to 10 bar, Type 4X
Base for technical data: EN 62444

| | | | |
|--|--|---|--|
| | Gewinde-Varianten: <i>Thread variants:</i> | Standard Maß D <i>Standard length D</i> | = Art.-Nr. 22052... <i>= Art.-Nr. 22052...</i> |
| | | 15 mm Länge <i>15 mm length</i> | = Art.-Nr. 82052... <i>= Art. no. 22052...</i> |
| | | | = Art.-Nr. 82052... <i>= Art. no. 82052...</i> |

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Werkstoff Dickeinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|--|------------------|---|--|
| Messing Brass | vernickelt nickel plated | TPE | s. FC s. CC | | -40 °C / +130 °C |
| Messing Brass | vernickelt nickel plated | TPE-V | natur natural | p | -40 °C / +135 °C |
| Messing Brass | vernickelt nickel plated | LSR | transparent | i | -60 °C / +200 °C |

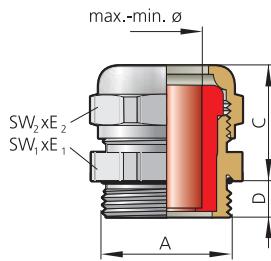


Abb. 3
Fig. 3

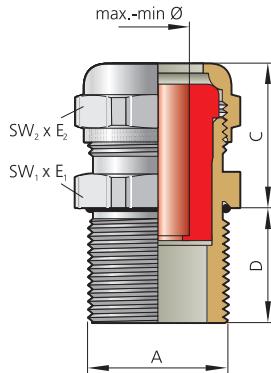


Abb. 4 – Ausführung lang/D = 15 mm
Fig. 4 – Longer execution/D = 15 mm

| Anschlussgewinde/-länge Connection thread/length | Art.-Nr. Art. no. | Dichtbereich Sealing range | | | Bauhöhe Mounting height | Schlüsselweite Spanner width |
|---|----------------------|-------------------------------|---------------------|---|----------------------------|---------------------------------|
| | | A | D mm | Ausführung bitte ergänzen Indicate product details | | |
| | | | TPE TPE-V LSR | = = p = i | max./min. Ø mm | C 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 |

* Dickeinsatz kurz = Art.-Nr.: Ek... ** Dickeinsatz aus LSR nicht lieferbar
 * Sealing insert short = Art. no.: Ek... ** Sealing insert LSR not available

11409 | TEC0400

Fortsetzung auf der nächsten Seite
Continued on next page

U2. UNI Dicht®-Kabelverschraubung

U2. UNI Dicht® cable gland

 Fortsetzung von vorheriger Seite
Continued from previous page

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

* Dichteinsatz aus LSR nicht lieferbar ** Dichteinsatz nur in TPE-V lieferbar
* Sealing insert LSR not available ** Sealing insert TPE-V are available

11400 | TT00400


Passende Gegenmuttern ab Seite 458
Corresponding lock nuts see page 458

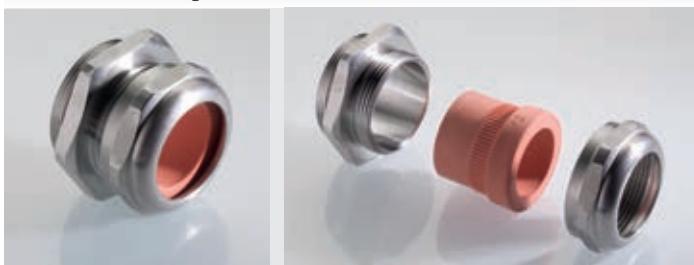
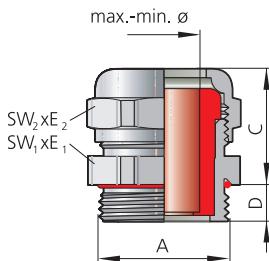
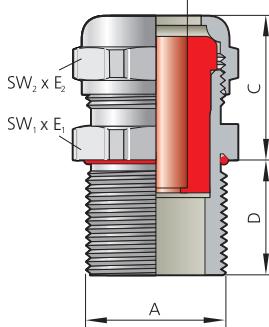
U28. UNI Dicht®-Kabelverschraubung
U28. UNI Dicht® cable gland

Abb. 1
Fig. 1

Abb. 2
Fig. 2

Edelstahl 1.4305
Metrisches Anschlussgewinde EN 60423
Schutzart IP 68 bis 10 bar, Type 4X
Stainless steel AISI 303
Metric connection thread EN 60423
Type of protection IP 68 up to 10 bar, Type 4X
Stainless steel AISI 303
Metric connection thread EN 60423
Type of protection IP 68 up to 10 bar, Type 4X

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

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Werkstoff Dickeinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|--|------------------|---|--|
| VA 1.4305 AISI 303 | blank | TPE | s. FC s. CC | | -40 °C / +130 °C |
| VA 1.4305 AISI 303 | blank | TPE-V | natur natural | p | -40 °C / +135 °C |
| VA 1.4305 AISI 303 | blank | LSR | transparent | i | -60 °C / +200 °C |


Abb. 3
Fig. 3

Abb. 4
Fig. 4

| Anschlussgewinde/-länge Connection thread/length | Art.-Nr. Art. no. | Dichtbereich Sealing range | | | Bauhöhe Mounting height | Schlüsselweite Spanner width |
|---|----------------------|---|-----------|--|----------------------------|---------------------------------|
| | | Ausführung bitte ergänzen Indicate product details | | | | |
| | | A | D | TPE mm TPE-V LSR = p = i | max./min. Ø mm | C mm |
| M10x1,0 | 5,0 | 21049st | 7/1mm * | 6,5 – 4,0 | 19,0 | 14x15,5 |
| M10x1,5 | 5,0 | 21049st | 7/1,5mm * | 6,5 – 4,0 | 19,0 | 14x15,5 |
| M12x1,5 | 5,0 | 21249st | 7 * | 6,5 – 4,0 | 19,0 | 14x15,5 |
| M16x1,5 | 6,0 | 21650st | 7 | 6,5 – 4,0 | 20,0 | 19x21/17x18,9 |
| | | 21650st | 8 | 8,0 – 5,0 | 20,0 | 19x21/17x18,9 |
| | | 21650st | 9 | 9,5 – 6,5 | 20,0 | 19x21/17x18,9 |
| M20x1,5 | 6,5 | 22051st | 7 | 6,5 – 4,0 | 20,0 | 22x24,4 |
| | | 22051st | 8 | 8,0 – 5,0 | 20,0 | 22x24,4 |
| | | 22051st | 9 | 9,5 – 6,5 | 20,0 | 22x24,4 |
| | | 22051st | 11 | 10,5 – 7,0 | 20,0 | 22x24,4 |
| | | 22052st | 7 | 6,5 – 4,0 | 21,0 | 22x24,4 |
| | | 22052st | 8 | 8,0 – 5,0 | 21,0 | 22x24,4 |
| | | 22052st | 9 | 9,5 – 6,5 | 21,0 | 22x24,4 |
| | | 22052st | 11 | 10,5 – 7,0 | 21,0 | 22x24,4 |
| | | 22052st | 13 | 13,0 – 9,0 | 21,0 | 22x24,4 |
| M25x1,5 | 7,5 | 22553st | 7 | 6,5 – 4,0 | 21,0 | 27x29,5/24x26,7 |
| | | 22553st | 8 ** | 8,0 – 5,0 | 21,0 | 27x29,5/24x26,7 |
| | | 22553st | 9 | 9,5 – 6,5 | 21,0 | 27x29,5/24x26,7 |
| | | 22553st | 11 | 10,5 – 7,0 | 21,0 | 27x29,5/24x26,7 |
| | | 22553st | 13 | 13,0 – 9,0 | 21,0 | 27x29,5/24x26,7 |
| | | 22553st | 16 | 15,5 – 11,5 | 21,0 | 27x29,5/24x26,7 |
| M32x1,5 | 8,0 | 23254st | 11 ** | 10,5 – 7,0 | 26,0 | 36x39,5/30x33,5 |
| | | 23254st | 13 | 13,0 – 9,0 | 26,0 | 36x39,5/30x33,5 |
| | | 23254st | 16 | 15,5 – 11,5 | 26,0 | 36x39,5/30x33,5 |
| | | 23254st | 18 | 18,0 – 14,0 | 26,0 | 36x39,5/30x33,5 |
| | | 23254st | 20 | 20,5 – 17,0 | 26,0 | 36x39,5/30x33,5 |
| M40x1,5 | 8,0 | 24055st | 16 | 15,5 – 11,5 | 28,0 | 46x50/41x44,5 |
| | | 24055st | 18 | 18,0 – 14,0 | 28,0 | 46x50/41x44,5 |
| | | 24055st | 20 | 20,5 – 17,0 | 28,0 | 46x50/41x44,5 |
| | | 24055st | 25 | 25,0 – 20,0 | 28,0 | 46x50/41x44,5 |
| | | 24055st | 28 | 28,0 – 24,0 | 28,0 | 46x50/41x44,5 |
| M50x1,5 | 10,0 | 25056st | 32 | 32,0 – 27,0 | 29,0 | 55x60,5/50x54 |
| | | 25056st | 34 | 34,0 – 29,0 | 29,0 | 55x60,5/50x54 |
| | | 25056st | 36 | 36,0 – 32,0 | 29,0 | 55x60,5/50x54 |
| | | 25057st | 38 * *** | 38,0 – 33,0 | 32,0 | 60x65 |
| | | 25057st | 40 * *** | 40,0 – 36,0 | 32,0 | 60x65 |
| M63x1,5 | 10,0 | 26358st | 44 ** | 44,0 – 39,0 | 30,0 | 68x74/65x70 |

* Dickeinsatz kurz = Art.-Nr.: Ek...

** Dickeinsatz aus LSR nicht lieferbar

* Sealing insert short = Art. no.: Ek...

** Sealing insert LSR not available

11700 | T00400

| | |
|--|---|
| | Passende Gegenmuttern ab Seite 458 Corresponding lock nuts see page 458 |
|--|---|

U28. UNI Dicht®-Kabelverschraubung

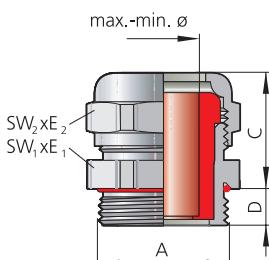
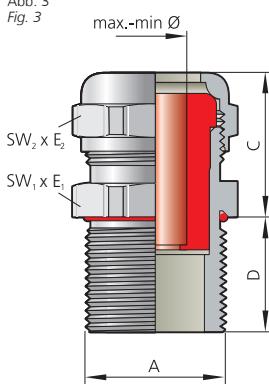
U28. UNI Dicht® cable gland


 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

Edelstahl 1.4571
Metrisches Anschlussgewinde EN 60423
Schutzart IP 68 bis 10 bar, Type 4X
Stainless steel AISI 316Ti
Metric connection thread EN 60423
Type of protection IP 68 up to 10 bar, Type 4X


| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Werkstoff Dichteinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|------------------|---|--|
| VA 1.4571 AISI 316Ti | blank | TPE | s. FC s. CC | | -40 °C / +130 °C |
| VA 1.4571 AISI 316Ti | blank | TPE-V | natur natural | p | -40 °C / +135 °C |
| VA 1.4571 AISI 316Ti | blank | LSR | transparent | i | -60 °C / +200 °C |


 Abb. 3
Fig. 3

 Abb. 4
Fig. 4

| Anschlussgewinde/-länge Art.-Nr. Connection thread/length Art. no. | | | Dichtbereich Sealing range | Bauhöhe Mounting height | Schlüsselweite Spanner width | | |
|---|---------|-----------------------------------|-------------------------------|----------------------------|--|-----------------|----|
| Ausführung bitte ergänzen Indicate product details | | | | | | | |
| A | D mm | TPE TPE-V LSR = p = i | max./min. Ø mm | C mm | SW ₁ x E ₁ /SW ₂ x E ₂ 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 |
| 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 | 28,0 | 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 LSR nicht lieferbar

* Sealing insert short = Art. no.: Ek...

** Sealing insert LSR not available

11800 | ITT0400



Passende Gegenmuttern ab Seite 458

Corresponding lock nuts see page 458

U12. UNI Dicht®-Kabelverschraubung
U12. UNI Dicht® cable gland

 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

PA 6-3, Farbe: grau (RAL 7032), schwarz (RAL 9005)
Metrisches Anschlussgewinde EN 60423
Schutzart IP 68 bis 10 bar, Type 4X

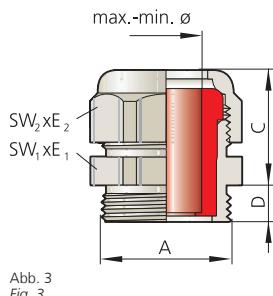
PA 6-3, colour: grey (RAL 7032), black (RAL 9005)

Metric connection thread EN 60423

Type of protection IP 68 up to 10 bar, Type 4X


Type 4X ausschließlich in Verbindung mit Flachdichtung
 Type 4X only in combination with flat seal

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichtteinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|--|------------------|---|--|
| PA 6-3 grau grey | | | TPE | s. FC s. CC | | -20 °C / +100 °C |
| PA 6-3 grau grey | | | TPE-V | natur natural | p | -20 °C / +100 °C |
| PA 6-3 grau grey | | | LSR | transparent | i | -20 °C / +100 °C |
| PA 6-3 schwarz black | n | | TPE | s. FC s. CC | | -20 °C / +100 °C |
| PA 6-3 schwarz black | n | | TPE-V | natur natural | p | -20 °C / +100 °C |
| PA 6-3 schwarz black | n | | LSR | transparent | i | -20 °C / +100 °C |


 Abb. 3
Fig. 3

| Anschlussgewinde/-länge Connection thread/length | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | | | Dichtbereich Sealing range | Bauhöhe Mounting height | Schlüsselweite Spanner width |
|---|----------------------|---|---------|--|-------------------------------|----------------------------|---------------------------------|
| | | A mm | D mm | grau/grey schwarz/black = n = LSR | | | |
| M12x1,5 | 8,0 | 21249u | 7 * | = TPE p = TPE-V i = LSR | 6,5 – 4,0 | 23,0 | 15x16,5 |
| M16x1,5 | 9,0 | 21650u | 7 | 6,5 – 4,0 | 22,0 | 19x21,2 | 50 |
| | | 21650u | 8 | 8,0 – 5,0 | 22,0 | 19x21,2 | 50 |
| | | 21650u | 9 | 9,5 – 6,5 | 22,0 | 19x21,2 | 50 |
| M20x1,5 | 9,0 | 22051u | 7 | 6,5 – 4,0 | 23,0 | 24x26,5/22x24,4 | 50 |
| | | 22051u | 8 | 8,0 – 5,0 | 23,0 | 24x26,5/22x24,4 | 50 |
| | | 22051u | 9 | 9,5 – 6,5 | 23,0 | 24x26,5/22x24,4 | 50 |
| | | 22051u | 11 | 10,5 – 7,0 | 23,0 | 24x26,5/22x24,4 | 50 |
| | | 22052u | 7 * | 6,5 – 4,0 | 23,0 | 24x26,5 | 50 |
| | | 22052u | 8 * | 8,0 – 5,0 | 23,0 | 24x26,5 | 50 |
| | | 22052u | 9 * | 9,5 – 6,5 | 23,0 | 24x26,5 | 50 |
| | | 22052u | 11 * | 10,5 – 7,0 | 23,0 | 24x26,5 | 50 |
| | | 22052u | 13 * | 13,0 – 9,0 | 23,0 | 24x26,5 | 50 |
| M25x1,5 | 9,0 | 22553u | 7 | 6,5 – 4,0 | 24,0 | 30x33,5/27x29,5 | 50 |
| | | 22553u | 8 ** | 8,0 – 5,0 | 24,0 | 30x33,5/27x29,5 | 50 |
| | | 22553u | 9 | 9,5 – 6,5 | 24,0 | 30x33,5/27x29,5 | 50 |
| | | 22553u | 11 | 10,5 – 7,0 | 24,0 | 30x33,5/27x29,5 | 50 |
| | | 22553u | 13 | 13,0 – 9,0 | 24,0 | 30x33,5/27x29,5 | 50 |
| | | 22553u | 16 | 15,5 – 11,5 | 24,0 | 30x33,5/27x29,5 | 50 |
| M32x1,5 | 11,0 | 23254u | 11 ** | 10,5 – 7,0 | 29,0 | 36x39,5/33x36,5 | 25 |
| | | 23254u | 13 | 13,0 – 9,0 | 29,0 | 36x39,5/33x36,5 | 25 |
| | | 23254u | 16 | 15,5 – 11,5 | 29,0 | 36x39,5/33x36,5 | 25 |
| | | 23254u | 18 | 18,0 – 14,0 | 29,0 | 36x39,5/33x36,5 | 25 |
| | | 23254u | 20 | 20,5 – 17,0 | 29,0 | 36x39,5/33x36,5 | 25 |
| M40x1,5 | 11,5 | 24055u | 16 | 15,5 – 11,5 | 33,0 | 46x50/43x46,5 | 10 |
| | | 24055u | 18 | 18,0 – 14,0 | 33,0 | 46x50/43x46,5 | 10 |
| | | 24055u | 20 | 20,5 – 17,0 | 33,0 | 46x50/43x46,5 | 10 |
| | | 24055u | 25 | 25,0 – 20,0 | 33,0 | 46x50/43x46,5 | 10 |
| | | 24055u | 28 | 28,0 – 24,0 | 33,0 | 46x50/43x46,5 | 10 |
| M50x1,5 | 14,0 | 25056u | 32 | 32,0 – 27,0 | 34,0 | 56x61/53x57 | 5 |
| | | 25056u | 34 | 34,0 – 29,0 | 34,0 | 56x61/53x57 | 5 |
| | | 25056u | 36 | 36,0 – 32,0 | 34,0 | 56x61/53x57 | 5 |

 * Dichtungsring kurz = Art.-Nr.: Ek... ** Dichtungsring aus LSR nicht lieferbar
 * Sealing ring short = Art. no.: Ek... ** Sealing ring LSR not available

Passende Gegenmuttern ab Seite 458
 Corresponding lock nuts see page 458

U19. UNI Dicht®-Kabelverschraubung

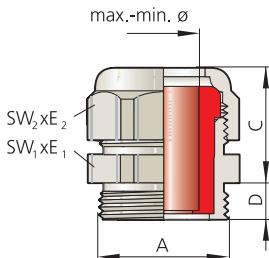
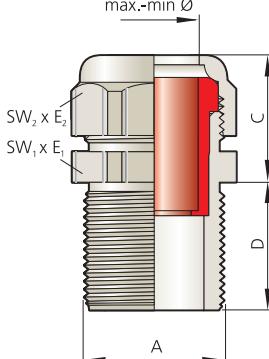
U19. UNI Dicht® cable gland


 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

PVDF, Farbe: transparent, blau (RAL 5015), schwarz (RAL 9005)
Metricches 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


| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|---|------------------|---|--|
| PVDF | transparent | | TPE | s. FC s. CC | | -40 °C / +130 °C |
| PVDF | transparent | | TPE-V | natur natural | p | -40 °C / +135 °C |
| PVDF | transparent | | LSR | transparent | i | -40 °C / +150 °C |
| PVDF | blau blue | a | TPE | s. FC s. CC | | -40 °C / +130 °C |
| PVDF | blau blue | a | TPE-V | natur natural | p | -40 °C / +135 °C |
| PVDF | blau blue | a | LSR | transparent | i | -40 °C / +150 °C |
| PVDF | schwarz black | n | TPE | s. FC s. CC | | -40 °C / +130 °C |
| PVDF | schwarz black | n | TPE-V | natur natural | p | -40 °C / +135 °C |
| PVDF | schwarz black | n | LSR | transparent | i | -40 °C / +150 °C |


 Abb. 3
Fig. 3

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

| Anschlussgewinde/-länge Art.-Nr. Connection thread/length Art. no. | | | Dichtbereich Sealing range | Bauhöhe Mounting height | Schlüsselweite Spanner width | | | |
|---|---------|---|-------------------------------|----------------------------|---------------------------------|-----------------|--|--|
| Ausführung bitte ergänzen Indicate product details | | | | | | | | |
| A | D mm | transparent blau/blue schwarz/black | = = a = n | = TPE = TPE-V = LSR | max./min. Ø mm | C mm | SW ₁ x E ₁ /SW ₂ x E ₂ mm | |
| 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... ** Dichteinsatz aus LSR nicht lieferbar
 * Sealing insert short = Art. no.: Ek... ** Sealing insert LSR not available

 Fortsetzung auf der nächsten Seite
 Continued on next page

U19. UNI Dicht®-Kabelverschraubung
U19. UNI Dicht® cable gland

 Fortsetzung von vorheriger Seite
 Continued from previous page

| | | Anschlussgewinde/-länge Connection thread/length | Art.-Nr. Art. no. | Dichtbereich Sealing range | Bauhöhe Mounting height | Schlüsselweite Spanner width | |
|----------|-----------------------|--|-----------------------------|--------------------------------------|-----------------------------------|---|----|
| A | D mm | Ausführung bitte ergänzen Indicate product details | | | |  | |
| | | transparent = t | = blau/blue = a | = TPE = p | = TPE-V = i | | |
| M40x1,5 | 11,5 | 24055y | 16 | 15,5 – 11,5 | 34,0 | 46x50/43x46 | 10 |
| | | 24055y | 18 | 18,0 – 14,0 | 34,0 | 46x50/43x46 | 10 |
| | | 24055y | 20 | 20,5 – 17,0 | 34,0 | 46x50/43x46 | 10 |
| | | 24055y | 25 | 25,0 – 20,0 | 34,0 | 46x50/43x46 | 10 |
| | | 24055y | 28 | 28,0 – 24,0 | 34,0 | 46x50/43x46 | 10 |
| M50x1,5 | 13,0 | 25056y | 32 | 32,0 – 27,0 | 35,0 | 56x61/53x57 | 5 |
| | | 25056y | 34 | 34,0 – 29,0 | 35,0 | 56x61/53x57 | 5 |
| | | 25056y | 36 | 36,0 – 32,0 | 35,0 | 56x61/53x57 | 5 |
| M50x1,5 | 14,0 | 25057y | 40 * * * * | 40,0 – 36,0 | 38,0 | 60x65 | 5 |
| M63x1,5 | 14,0 | 26358y | 44 * * * * | 44,0 – 39,0 | 41,0 | 68x73/65x70 | 5 |

* Dichteinsatz kurz = Art.-Nr.: Ek... ** Dichteinsatz aus LSR 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 LSR not available *** Material POM (white colour), Temperature range -40 °C up to +110 °C, no CSA approval.

12090 | TT09090

U2. UNI Dicht®-Schottverschraubung

U2. UNI Dicht® bulkhead gland


Abb. 1
Fig. 1

Abb. 2
Fig. 2

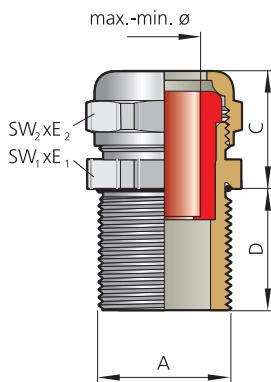
Messing vernickelt
Metrisches Anschlussgewinde EN 60423
Sondergewindelänge: 50 mm (weitere auf Anfrage)
Schutzart IP 68 bis 10 bar

Brass nickel plated
Metric connection thread EN 60423
Special thread length: 50 mm (additional lengths available on request)
Type of protection IP 68 up to 10 bar



Passende Gegenmuttern ab Seite 458
Corresponding lock nuts see page 458

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Werkstoff Dichteinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|------------------|---|--|
| Messing Brass | vernickelt nickel plated | TPE | s. FC s. CC | | -40 °C / +130 °C |
| Messing Brass | vernickelt nickel plated | TPE-V | natur natural | p | -40 °C / +135 °C |
| Messing Brass | vernickelt nickel plated | LSR | transparent | i | -60 °C / +200 °C |


Abb. 3
Fig. 3

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

* Dichteinsatz aus LSR nicht lieferbar
* Sealing insert LSR not available

11600 | TT0400

UNI Dicht® Erweitert – metrisch

UNI Dicht® Extended – metric

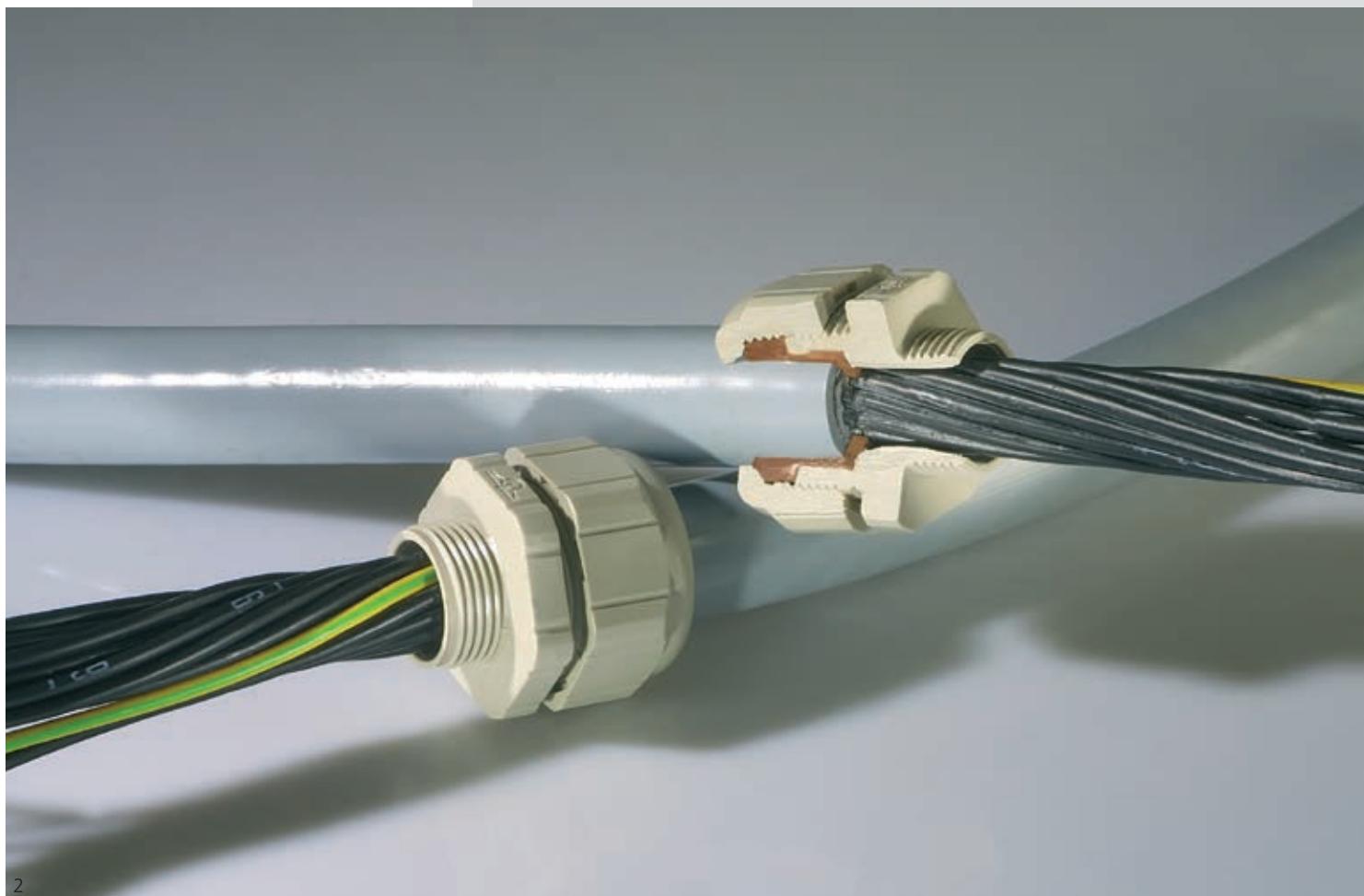
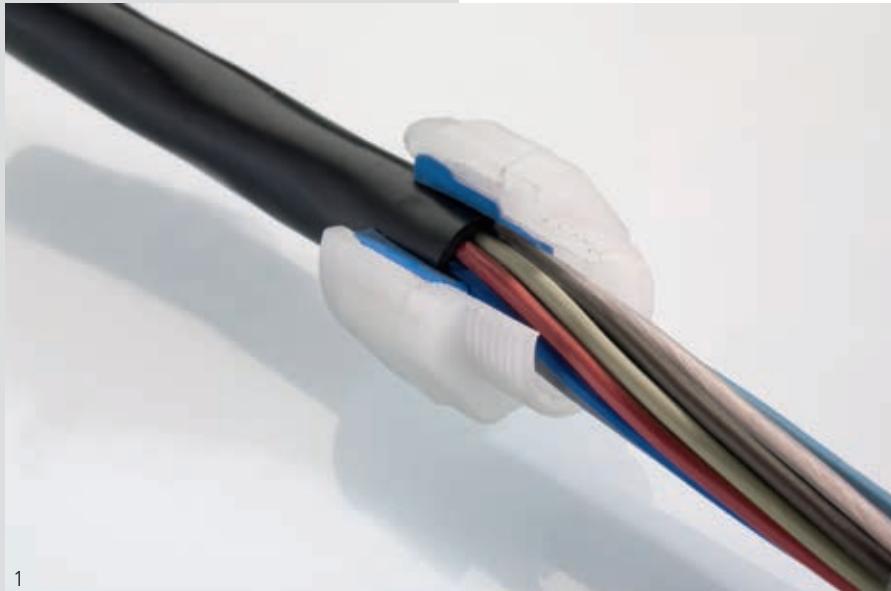


Abb. 1 – UNI Dicht® Erweitert Messing
Fig. 1 – UNI Dicht® Extended brass

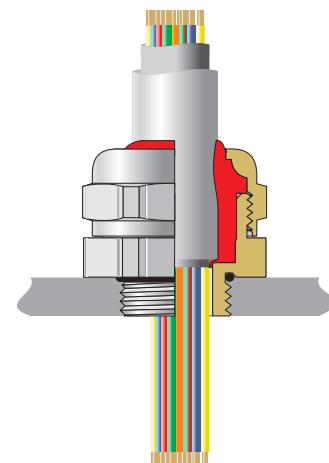
Abb. 2 – UNI Dicht® Erweitert PA
Fig. 2 – UNI Dicht® Extended PA



1



2



3

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 Kabel-verschraubung 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

U2. UNI Dicht® Erweitert
U2. UNI Dicht® Extended

 Abb. 1
 Fig. 1

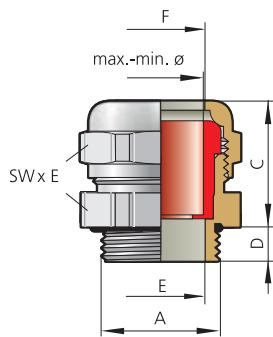
 Abb. 2
 Fig. 2

Messing vernickelt
Metrisches Anschlussgewinde EN 60423
Schutzart IP 68 bis 10 bar, Type 4X

Brass nickel plated
Metric connection thread EN 60423
Type of protection IP 68 up to 10 bar, Type 4X

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

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Werkstoff Dichteinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|-------------------------|---|--|
| Messing Brass | vernickelt <i>nickel plated</i> | TPE | s. FC s. CC | | -40 °C / +130 °C |
| Messing Brass | vernickelt <i>nickel plated</i> | TPE-V | natur <i>natural</i> | p | -40 °C / +135 °C |
| Messing Brass | vernickelt <i>nickel plated</i> | LSR | transparent | i | -60 °C / +200 °C |


 Abb. 3
 Fig. 3

| Anschlussgewinde/ Art.-Nr. | | | Dichtbereich | Innendurch- messer | Durchlass Druckschraube max. | Bauhöhe | Schlüssel- weite | |
|---|-----------------------|--|--------------|-----------------------|------------------------------------|-----------------------------------|-----------------------|-----------------------|
| Connection thread/ length | | | Art. no. | Sealing range | Inner diameter | Opening pressure screw max. | Mounting height | Spanner width |
| Ausführung bitte ergänzen Indicate product details | | | | | | | | |
| A | D mm | TPE TPE-V LSR | = = = | p i | max./min. Ø mm | E mm | F mm | C mm |
| M12x1,5 | | | 21250d | 8 | 8,0 – 5,0 | 7,5 | 10,0 | 21,0 |
| M16x1,5 | | | 21651d | 9 | 9,5 – 6,5 | 7,5 | 10,0 | 21,0 |
| M16x1,5 | | | 21652d | 11 | 10,5 – 7,0 | 12,0 | 11,5 | 21,0 |
| M20x1,5 | | | 22053d | 13 | 13,0 – 9,0 | 12,0 | 13,5 | 21,0 |
| M20x1,5 | | | 22054d | 16 | 15,5 – 11,5 | 16,0 | 16,0 | 21,0 |
| M20x1,5 | | | 22054d | 18 | 18,0 – 14,0 | 16,0 | 18,5 | 24,0 |
| M20x1,5 | | | 22054d | 20 | 20,5 – 17,0 | 16,0 | 20,0 | 24,0 |
| M25x1,5 | | | 22554d | 18 | 18,0 – 14,0 | 20,5 | 18,5 | 26,0 |
| M25x1,5 | | | 22554d | 20 | 20,5 – 17,0 | 20,5 | 21,0 | 26,0 |
| M32x1,5 | | | 23255d | 25 | 25,0 – 20,0 | 26,5 | 29,0 | 40x43,5 |
| M32x1,5 | | | 23255d | 28 | 28,0 – 24,0 | 26,5 | 29,0 | 40x43,5 |
| M32x1,5 | | | 23256d | 32 | 32,0 – 27,0 | 26,0 | 38,0 | 28,0 |
| M32x1,5 | | | 23256d | 34 | 34,0 – 29,0 | 26,0 | 38,0 | 28,0 |
| M32x1,5 | | | 23256d | 36 | 36,0 – 32,0 | 26,0 | 38,0 | 28,0 |
| M40x1,5 | | | 24056d | 32 | 32,0 – 27,0 | 34,5 | 38,0 | 28,0 |
| M40x1,5 | | | 24056d | 34 | 34,0 – 29,0 | 34,5 | 38,0 | 28,0 |
| M40x1,5 | | | 24056d | 36 | 36,0 – 32,0 | 34,5 | 38,0 | 28,0 |
| M50x1,5 | | | 25057d | 38 * | 38,0 – 33,0 | 42,0 | 42,0 | 32,0 |
| M50x1,5 | | | 25057d | 40 * | 40,0 – 36,0 | 42,0 | 42,0 | 32,0 |

12100 | T100430

* Dichteinsatz aus LSR nicht lieferbar
 * Sealing insert LSR not available

i Passende Gegenmuttern ab Seite 458
 Corresponding lock nuts see page 458

U12. UNI Dicht® Erweitert

U12. UNI Dicht® Extended


 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

PA 6-3, Farbe: grau (RAL 7032), schwarz (RAL 9005)
Metricches Anschlussgewinde EN 60423
Schutzart IP 68 bis 10 bar, Type 4X

PA 6-3, colour: grey (RAL 7032), black (RAL 9005)

Metric connection thread EN 60423

Type of protection IP 68 up to 10 bar, Type 4X



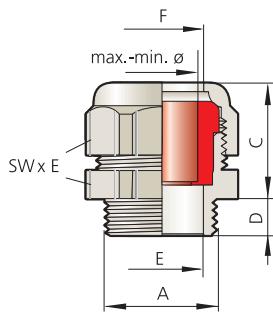
RoHS

DKE

cULus


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

| Werkstoff Verschraubungskörper | Ausführung/Farbe | Bestellschlüssel | Werkstoff Dichtesatz | Farbe | Bestellschlüssel | Temperaturbereich min./max. |
|--------------------------------|------------------|---------------------|-------------------------|------------------|---------------------|-----------------------------|
| Material gland body | Version/colour | Art. no. supplement | Material sealing insert | Colour | Art. no. supplement | Temperature range min./max. |
| PA 6-3 | grau grey | | TPE | s. FC s. CC | | -20 °C / +100 °C |
| PA 6-3 | grau grey | | TPE-V | natur natural | p | -20 °C / +100 °C |
| PA 6-3 | grau grey | | LSR | transparent | i | -20 °C / +100 °C |
| PA 6-3 | schwarz black | n | TPE | s. FC s. CC | | -20 °C / +100 °C |
| PA 6-3 | schwarz black | n | TPE-V | natur natural | p | -20 °C / +100 °C |
| PA 6-3 | schwarz black | n | LSR | transparent | i | -20 °C / +100 °C |


 Abb. 3
Fig. 3

| Anschlussgewinde/ Art.-Nr. -länge | | | Dichtbereich | Innendurch- messer | Durchlass Druck- schräube max. | Bauhöhe | Schlüssel- weite |
|---|------|-----------------|--|-----------------------|-----------------------------------|--------------------|---------------------|
| Connection thread/ length | | | Sealing range | Inner diameter | Opening pressure screw max. | Mounting height | Spanner width |
| Ausführung bitte ergänzen Indicate product details | | | | | | | |
| A | D | grau/grey mm | = TPE = p = TPE-V schwarz/black = n i = LSR | max./min. ø mm | E | F | C mm |
| M12x1,5 | 8,0 | 21250u | 8 | 8,0 – 5,0 | 7,0 | 10,0 | 22,0 |
| | | 21250u | 9 | 9,5 – 6,5 | 7,0 | 10,0 | 22,0 |
| M16x1,5 | 8,5 | 21651u | 11 | 10,5 – 7,0 | 11,5 | 11,0 | 23,0 |
| | | 21652u | 13 | 13,0 – 9,0 | 11,5 | 11,0 | 24,0 |
| M20x1,5 | 9,0 | 22053u | 11 | 10,5 – 7,0 | 13,5 | 16,0 | 24,0 |
| | | 22053u | 16 | 15,5 – 11,5 | 13,5 | 16,0 | 24,0 |
| M25x1,5 | 11,0 | 22554u | 18 | 18,0 – 14,0 | 20,5 | 21,0 | 29,0 |
| | | 22554u | 20 | 20,5 – 17,0 | 20,5 | 21,0 | 29,0 |
| | | 22555u | 20 | 20,5 – 17,0 | 20,5 | 21,0 | 43x46 |
| | | 22555u | 25 | 25,0 – 20,0 | 20,5 | 28,0 | 29,0 |
| | | 22555u | 28 | 28,0 – 24,0 | 20,5 | 28,0 | 43x46 |
| M32x1,5 | 11,0 | 23255u | 25 | 25,0 – 20,0 | 25,0 | 28,0 | 43x46 |
| | | 23255u | 28 | 28,0 – 24,0 | 25,0 | 28,0 | 32,0 |
| M40x1,5 | 13,0 | 24056u | 32 | 32,0 – 27,0 | 34,5 | 37,0 | 35,0 |
| | | 24056u | 34 | 34,0 – 29,0 | 34,5 | 37,0 | 53x57 |
| | | 24056u | 36 | 36,0 – 32,0 | 34,5 | 37,0 | 5 |

12290 | IT00530


Type 4X ausschließlich in Verbindung mit Flachdichtung
 Type 4X only in combination with flat seal

Passende Gegenmuttern ab Seite 458
 Corresponding lock nuts see page 458

U19. UNI Dicht® Erweitert
 U19. UNI Dicht® Extended

 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

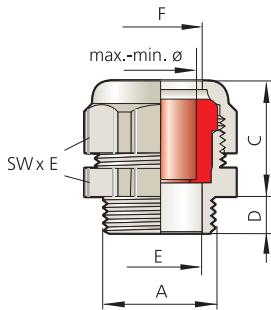
PVDF, colour: transparent, blue (RAL 5015), black (RAL 9005)

Metric connection thread EN 60423

Type of protection IP 68 up to 10 bar


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

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|---|------------------|---|--|
| PVDF | transparent | | TPE | s. FC s. CC | | -40 °C / +130 °C |
| PVDF | transparent | | TPE-V | natur natural | p | -40 °C / +135 °C |
| PVDF | transparent | | LSR | transparent | i | -40 °C / +150 °C |
| PVDF | blau blue | a | TPE | s. FC s. CC | | -40 °C / +130 °C |
| PVDF | blau blue | a | TPE-V | natur natural | p | -40 °C / +135 °C |
| PVDF | blau blue | a | LSR | transparent | i | -40 °C / +150 °C |
| PVDF | schwarz black | n | TPE | s. FC s. CC | | -40 °C / +130 °C |
| PVDF | schwarz black | n | TPE-V | natur natural | p | -40 °C / +135 °C |
| PVDF | schwarz black | n | LSR | transparent | i | -40 °C / +150 °C |


 Abb. 3
 Fig. 3

| Anschlussgewinde/ -länge Connection thread/ length | Art.-Nr. Art. no. | Dichtbereich Sealing range | | Innendurch- messer Inner diameter | Durchlass Druckschraube max. Opening pressure screw max. | Bauhöhe Mounting height | Schlüssel- weite Spanner width |
|---|----------------------|---|-------------------|---|---|----------------------------|--------------------------------------|
| | | A | D | | | | |
| | | Ausführung bitte ergänzen Indicate product details | | | | | |
| | | transparent blau/blue schwarz/black | = a = p = n | = TPE = TPE-V = LSR | max./min. ø mm | E mm | F mm |
| M16x1,5 | 8,5 | 21651y | 9 | 9,5 – 6,5 | 11,5 | 11,0 | 23,0 |
| | | 21651y | 11 | 10,5 – 7,0 | 10,5 | 11,0 | 23,0 |
| M16x1,5 | 11,0 | 21652y | 11 | 10,5 – 7,0 | 11,5 | 13,0 | 25,0 |
| | | 21652y | 13 | 13,0 – 9,0 | 11,5 | 13,0 | 25,0 |
| M20x1,5 | 9,0 | 22053y | 16 | 15,5 – 11,5 | 13,5 | 16,0 | 26,0 |
| M20x1,5 | 11,0 | 22054y | 16 | 15,5 – 11,5 | 15,5 | 21,0 | 29,0 |
| | | 22054y | 18 | 18,0 – 14,0 | 15,5 | 21,0 | 29,0 |
| | | 22054y | 20 | 20,5 – 17,0 | 15,5 | 21,0 | 29,0 |
| M25x1,5 | 11,0 | 22554y | 18 | 18,0 – 14,0 | 19,0 | 21,0 | 29,0 |
| | | 22554y | 20 | 20,5 – 17,0 | 19,0 | 21,0 | 29,0 |
| | | 22555y | 18 | 18,0 – 14,0 | 20,5 | 28,0 | 33,0 |
| | | 22555y | 20 | 20,5 – 17,0 | 20,5 | 28,0 | 33,0 |
| | | 22555y | 25 | 25,0 – 20,0 | 20,5 | 28,0 | 33,0 |
| | | 22555y | 28 | 28,0 – 24,0 | 20,5 | 28,0 | 33,0 |
| M32x1,5 | 11,0 | 23255y | 25 | 25,0 – 20,0 | 25,0 | 28,0 | 33,0 |
| | | 23255y | 28 | 28,0 – 24,0 | 25,0 | 28,0 | 33,0 |
| M40x1,5 | 13,0 | 24056y | 32 | 32,0 – 27,0 | 34,5 | 37,0 | 35,0 |
| | | 24056y | 34 | 34,0 – 29,0 | 34,5 | 37,0 | 35,0 |
| | | 24056y | 36 | 36,0 – 32,0 | 34,5 | 37,0 | 35,0 |

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 – UNI Dicht 2M® in the face of explosion

Mit der neuen UNI Dicht 2M® ist PFLITSCH in der Lage, sein derzeitiges Produktpotfolio zu optimieren. Große Dichtbereiche sowie ein großer Durchlass am Doppelnippel für die Durchführung konfektionierter Kabel sind prägnante Eigenschaften dieser Kabelverschraubung.

Mit den neuen UNI Dicht 2M® bringt PFLITSCH eine moderne Kabelverschraubung auf den Markt, welche die hohe Qualität des UNI Dicht®-Systems für diejenigen Anwendungen zugänglich macht, bei denen hohe Stückzahlen zu wirtschaftlichen Konditionen benötigt werden. Diese neue Kabelverschraubung ist in komplett metrischer Ausführung erhältlich. Die UNI Dicht 2M® mit ihrem Verschraubungskörper aus Messing gibt es in den gängigen Größen M16 bis M50.

Die neue 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 Schlossweite 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:

- Große Dichtbereiche
- Geringe Bauhöhe
- Kleinere Anschlussgewinde

With the new UNI Dicht 2M®, PFLITSCH is in a position to optimise its current 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.

In the new UNI Dicht 2M®, PFLITSCH brings a modern cable gland onto the market that makes the high quality of the UNI Dicht® system available for applications requiring large volumes of cable glands at an economic price. 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 M50.

The new variant needs only one assembly tool because the double nipple and the pressure screw have identical spanner widths. Moreover, 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:

- Maximum sealing ranges
- Small mounting height
- Smaller connection thread



1

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



 Abb. 1
 Fig. 1

 Abb. 2
 Fig. 2

Messing vernickelt
Metrisches Kopf- und Anschlussgewinde EN 60423
Schutzart IP 68 bis 10 bar

Brass nickel plated
Metric head and connection thread EN 60423
Type of protection IP 68 up to 10 bar



Ausführung UNI Ex Dicht 2M auf Seite 333
 Version UNI Ex Dicht 2M on page 333

Werkstoff Verschraubungskörper
 Material gland body

Messing
 Brass

Ausführung/Farbe
 Version/colour

vernickelt
 nickel plated

Werkstoff Dichteneinsatz
 Material sealing insert

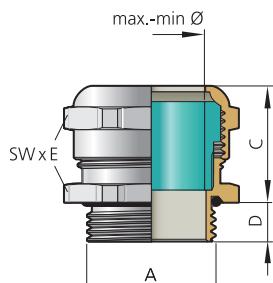
TPE

Farbe
 Colour

moosgrün
 moss green

Temperaturbereich min./max.
 Temperature range min./max.

-40 °C / +130 °C


 Abb. 3
 Fig. 3

| Anschlussgewinde/-länge <i>Connection thread/length</i> | Art.-Nr. <i>Art. no.</i> | Dichtbereich <i>Sealing range</i> | Bauhöhe <i>Mounting height</i> | Schlüsselweite <i>Spanner width</i> | | |
|---|------------------------------------|---|--|---|---------|-----|
| A <i>mm</i> | | max./min. Ø <i>mm</i> | C <i>mm</i> | SW x E <i>mm</i> | | |
| 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 |

48300 | T100720

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 zum Loch kleiner 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, replace the standard sealing insert with types from the UNI Multiple range. A number of hole patterns is available, so that a variety of cable diameters can also be sealed. Here UNI Multiple attains protection class IP 65, when the difference between the cable diameter and breakthrough is less than 10 %. Should they 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 their 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, customers can provide closed sealing inserts with a slowly running drill with perforations. 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

U7. UNI Mehrfach-Kabelverschraubung
U7. UNI Multiple cable gland

 Abb. 1
 Fig. 1

 Abb. 2
 Fig. 2


Messing vernickelt, Edelstahl 1.4305, PA 6-3, PVDF
 Metrisches Anschlussgewinde gemäß EN 60423
 Schutzart IP 65
 Schutzart IP 68 bis 10 bar, wenn Kabel-Ø = Loch-Ø, Type 4X

Brass nickel plated, stainless steel AISI 303, PA 6-3, PVDF
 Metric connection thread EN 60423
 Type of protection IP 65
 Type of protection IP 68 up to 10 bar, reachable if cable Ø = hole Ø, Type 4X

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|---|------------------|---|--|
| Messing Brass | vernickelt nickel plated | d | TPE | weiß white | | -40 °C / +130 °C |
| Messing Brass | vernickelt nickel plated | d | 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 |
| PA 6-3 | grau grey | u | TPE | weiß white | | -20 °C / +100 °C |
| PA 6-3 | grau grey | u | 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 |

| Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | |
|---------------------------------------|----------------------|---|--------------|
| | | Messing/Brass | = d |
| A | | VA 1.4305/AISI 303 | = st |
| | | PA 6-3 | = u |
| | | PVDF | = y p |
| | M6x0,75 | 206 | m2x1 * |
| | M10x1,0 | 21049 | m1x3/1mm * |
| | | 21049 | m1x4/1mm * |
| | | 21049 | m1x5/1mm * |
| | M10x1,5 | 21049 | m1x3/1,5mm * |
| | | 21049 | m1x4/1,5mm * |
| | | 21049 | m1x5/1,5mm * |
| | M12x1,5 | 21249 | m1x3 |
| | | 21249 | m1x4 |
| | | 21249 | m1x5 |
| | | 21249 | m2x3 |
| | | 21250 | m1x5 ** |
| | | 21250 | m2x3 ** |
| | | 21250 | m2x4 ** |
| | | 21250 | m3x3 ** |
| | M16x1,5 | 21650 | m1x1,5/1x4 |
| | | 21650 | m1x3 |
| | | 21650 | m1x4 |
| | | 21650 | m1x5 |
| | | 21650 | m2x1,2 |
| | | 21650 | m2x3 |
| | | 21650 | m2x3,3 |
| | | 21650 | m2x4 |
| | | 21650 | m3x3 |
| | | 21650 | m3x3,5 |
| | | 21650 | m4x1,4 |

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

20400 | TT01990

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U7. UNI Mehrfach-Kabelverschraubung

U7. UNI Multiple cable gland

 Fortsetzung von vorheriger Seite
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Anschlussgewinde Art.-Nr.
 Connection thread Art. no.

 Ausführung bitte ergänzen
 Indicate product details

 Messing/Brass = d
 VA 1.4305/AISI 303 = st
A PA 6-3 = u = 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 | m3x5,3 * | 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 | 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.

 Ausführung bitte ergänzen
 Indicate product details

 Messing/Brass = d
 VA 1.4305/AISI 303 = st
A PA 6-3 = u = 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 |

20400 | IT0190

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

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U7. UNI Mehrfach-Kabelverschraubung
U7. UNI Multiple cable gland

 Fortsetzung von vorheriger Seite
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| | Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | |
|----------|--|-----------------------------|---|---|
| | Messing/Brass | = d | | |
| | VA 1.4305/AISI 303 | = st | | |
| A | PA 6-3 | = u | = 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 | m1x6/1x95 | 50 | |
| | 22553 | m1x6,3/1x6,6 | 50 | |
| | 22553 | m1x8S | 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 | |

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

* Sealing insert short = Art. no.: Ek...

| | Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | |
|----------|--|-----------------------------|---|---|
| | Messing/Brass | = d | | |
| | VA 1.4305/AISI 303 | = st | | |
| A | PA 6-3 | = u | = 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 | |

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U7. UNI Mehrfach-Kabelverschraubung

U7. UNI Multiple cable gland

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

 Ausführung bitte ergänzen
 Indicate product details

| | | | |
|----------|--------------------|------------------------------|---|
| A | Messing/Brass | = d |  |
| | VA 1.4305/AISI 303 | = st | |
| | PA 6-3 | = u | |
| M25x1,5 | PVDF | = y p | = TPE-V |
| | 22554 | m5x5 * | 25 |
| | 22554 | m5x6 * | 25 |
| | 22554 | m6x4 * | 25 |
| | 22554 | m6x5 * | 25 |
| | 22554 | m6x5,5 * | 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 |
| M32x1,5 | 22555 | m1x10/1x12 * ** | 10 |
| | 22555 | m2x13,9 * ** | 10 |
| | 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 |

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

 Ausführung bitte ergänzen
 Indicate product details

| | | | |
|----------|--------------------|----------------------|---|
| A | Messing/Brass | = d |  |
| | VA 1.4305/AISI 303 | = st | |
| | PA 6-3 | = u | |
| | 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 | 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 | m1x7,2/1x9,1/1x9,3 * | 10 |

 * Dichteinsatz kurz = Art.-Nr.: Ek... ** Verschraubungskörper aus Edelstahl nicht lieferbar
 * Sealing insert short = Art. no.: Ek... ** Gland body made of stainless steel is not available

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U7. UNI Mehrfach-Kabelverschraubung
U7. UNI Multiple cable gland

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| | Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details |
|----------|--|-----------------------------|---|
| | Messing/Brass | = d | |
| | VA 1.4305/AISI 303 | = st | |
| A | PA 6-3 | = u | = 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 | 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 | m3x11 * | 10 |
| | 23255 | m4x5,5/1x8 * | 10 |
| | 23255 | m4x6,5 * | 10 |
| | 23255 | m4x8 * | 10 |
| | 23255 | m4x9 * | 10 |
| | 23255 | m4x95 * | 10 |
| | 23255 | m4x10 * | 10 |
| | 23255 | m4x11 * | 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 Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details |
|----------|--|-----------------------------|---|
| | Messing/Brass | = d | |
| | VA 1.4305/AISI 303 | = st | |
| A | PA 6-3 | = u | = 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 | 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 | m1x7/2x8/2x10 | 10 |
| | 24055 | m1x7/2x8,5 | 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 | m1x25,5 | 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 |

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U7. UNI Mehrfach-Kabelverschraubung

U7. UNI Multiple cable gland

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| Anschlussge-winde | | Art.-Nr. | | | Anschlussge-winde | Art.-Nr. | | |
|-------------------|---------------|-------------------------|-----------|--|---|--------------------|-----------------|-------------------------------|
| | | | | | Connection thread | Art. no. | | |
| | | | | | Ausführung bitte ergänzen Indicate product details | | | |
| | | Messing/Brass | = d | | | Messing/Brass | = d | |
| | | VA 1.4305/AISI 303 | = st | | | VA 1.4305/AISI 303 | = st | |
| A | PA 6-3 | = u | = TPE | | | PA 6-3 | = u | = TPE |
| | PVDF | = y | p = TPE-V | | | PVDF | = y | p = TPE-V |
| M40x1,5 | 24055 | m2x5,8/1x11 | 10 | | M40x1,5 | 24055 | m6x8 | 10 |
| | 24055 | m2x6/1x10,5/1x12 | 10 | | | 24055 | m7x4,8 | 10 |
| | 24055 | m2x6/1x7,5/2x8,5 | 10 | | | 24055 | m7x5,5/2x6,5 | 10 |
| | 24055 | m2x6/1x8,5 | 10 | | | 24055 | m7x6/1x11 | 10 |
| | 24055 | m2x6/1x8/2x10 | 10 | | | 24055 | m7x7 | 10 |
| | 24055 | m2x6/2x6S/1x7/1x75/1x10 | 10 | | | 24055 | m8x5,5 | 10 |
| | 24055 | m2x6,5 | 10 | | | 24055 | m8x7 | 10 |
| | 24055 | m2x6,5/1x10,5 | 10 | | | 24055 | m10x6 | 10 |
| | 24055 | m2x7/1x9 | 10 | | | 24055 | m11x6 | 10 |
| | 24055 | m2x8,5/1x13,5 | 10 | | | 24055 | m12x2,8 | 10 |
| | 24055 | m2x8,5/2x11,5 | 10 | | | 24055 | m12x4/1x8 | 10 |
| | 24055 | m2x9 | 10 | | | 24055 | m12x5,3 | 10 |
| | 24055 | m2x9/1x13 | 10 | | | 24055 | m13x3,5/1x9,5 | 10 |
| | 24055 | m2x9/1x15 | 10 | | | 24055 | m16x3,5 | 10 |
| | 24055 | m2x10 | 10 | | | 24055 | m17x3,5 | 10 |
| | 24055 | m2x11 | 10 | | | 24055 | m20x3,5 | 10 |
| | 24055 | m2x13 | 10 | | | 24055 | m24x3 | 10 |
| | 24055 | m3x3/7x4/1x8 | 10 | | | 24056 | m1x4/1x5/2x13 * | 10 |
| | 24055 | m3x3/8x5 | 10 | | | 24056 | m1x4/2x6/4x9 * | 10 |
| | 24055 | m3x3/8x5/1x8 | 10 | | | 24056 | m1x4/5x10 * | 10 |
| | 24055 | m3x7 | 10 | | | 24056 | m1x8,5/1x23 * | 10 |
| | 24055 | m3x7/3x8 | 10 | | | 24056 | m1x13/1x19 * | 10 |
| | 24055 | m3x9 | 10 | | | 24056 | m1x14/1x17 * | 10 |
| | 24055 | m3x9/1x11,5 | 10 | | | 24056 | m2x14 * | 10 |
| | 24055 | m3x10 | 10 | | | 24056 | m2x15 * | 10 |
| | 24055 | m3x11 | 10 | | | 24056 | m3x7/4x10 * | 10 |
| | 24055 | m3x12 | 10 | | | 24056 | m3x14,5 * | 10 |
| | 24055 | m4x3,5/2x7/1x11 | 10 | | | 24056 | m4x7 * | 10 |
| | 24055 | m4x5 | 10 | | | 24056 | m4x10,2 * | 10 |
| | 24055 | m4x5,5 | 10 | | | 24056 | m4x13 * | 10 |
| | 24055 | m4x5,5/1x8 | 10 | | | 24056 | m7x9 * | 10 |
| | 24055 | m4x5,7/2x10 | 10 | | | 24056 | m8x6/4x8 * | 10 |
| | 24055 | m4x6/3x8,5 | 10 | | | 24056 | m8x8 * | 10 |
| | 24055 | m4x6,5 | 10 | | | 24056 | m8x9 * | 10 |
| | 24055 | m4x6,5/4x6,5SB | 10 | | | 24056 | m12x6,4 * | 10 |
| | 24055 | m4x8 | 10 | | | M50x1,5 | 25056 | m1x3,7/4x4,8/1x5,4/1x6,5/1x10 |
| | 24055 | m4x9 | 10 | | | | 25056 | m1x5/1x9/1x11/1x19 |
| | 24055 | m4x10 | 10 | | | | 25056 | m1x5/2x6,5/1x8,5/1x11 |
| | 24055 | m4x11 | 10 | | | | 25056 | m1x5/3x8/1x8,5/1x9,5 |
| | 24055 | m5x3,5/2x5/1x6/2x6,5 | 10 | | | | 25056 | m1x8/4x12,5 |
| | 24055 | m5x8 | 10 | | | | 25056 | m1x9,5/2x13,5 |
| | 24055 | m5x9 | 10 | | | | 25056 | m1x10/3x11,5 |
| | 24055 | m5x10 | 10 | | | | 25056 | m1x11/1x21 |
| | 24055 | m6x4/3x6/1x8 | 10 | | | | 25056 | m1x11/2x13 |
| | 24055 | m6x6 | 10 | | | | | |

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

U7. UNI Mehrfach-Kabelverschraubung
U7. UNI Multiple cable gland

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

| | | Ausführung bitte ergänzen Indicate product details | |
|----------|--------------------|---|-----------|
| | Messing/Brass | = d | |
| | VA 1.4305/AISI 303 | = st | |
| A | PA 6-3 | = u | = 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 | m11x8 | 5 |
| | 25056 | m13x7 | 5 |
| | 25056 | m15x5 | 5 |
| | 25056 | m16x6 | 5 |

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

| | | Ausführung bitte ergänzen Indicate product details | |
|----------|--------------------|---|-----------|
| | Messing/Brass | = d | |
| | VA 1.4305/AISI 303 | = st | |
| A | PA 6-3 | = u | = TPE |
| | PVDF | = y | p = TPE-V |
| M50x1,5 | 25057 | m1x3/1x5,2/3x6,7/B * ** | 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 | 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 u 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 u not available. Variant y made of POM (white colour); Temperature range: -40 °C up to +110 °C, no CSA approval.

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Type 4X ausschließlich in Verbindung mit Flachdichtung
Type 4X only in combination with flat seal

U7.8 UNI Silikon Mehrfach-Kabelverschraubung

U7.8 UNI Silicone Multiple cable gland



 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteneinsatz Material sealing insert | Farbe Colour | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|---|-------------------------|--|
| Messing Brass | vernickelt <i>nickel plated</i> | d | Silikon HT | schwarz <i>black</i> | -55 °C / +180 °C |
| VA 1.4305 <i>AISI 303</i> | blank | st | Silikon HT | schwarz <i>black</i> | -55 °C / +180 °C |
| PA 6-3 | grau <i>grey</i> | u | Silikon <i>silicone</i> | schwarz <i>black</i> | -20 °C / +100 °C |
| PVDF | transparent | y | Silikon <i>silicone</i> | schwarz <i>black</i> | -40 °C / +150 °C |

| Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | | |
|---------------------------------------|----------------------|---|----------|--------------------|
| | | Messing/Brass | = d | VA 1.4305/AISI 303 |
| A | PA 6-3 | = u | | |
| | PVDF | = y | | |
| | 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 | im4x6HT | 25 |
| | | 23254 | im4x8HT | 25 |
| M40x1,5 | | 24055 | im2x13HT | 10 |
| | | 24055 | im3x11HT | 10 |
| | | 24055 | im5x10HT | 10 |
| | | 24055 | im5x9HT | 10 |
| | | 24055 | im7x7HT | 10 |

52100 | TTO1920

U2.2g UNI Dicht® Einsatz geschlossen
U2.2g UNI Dicht® insert closed


Abb. 1
Fig. 1



Abb. 2
Fig. 2

Messing vernickelt, Edelstahl 1.4305, PA 6-3, PVDF
Metrisches Anschlussgewinde EN 60423
Schutzart IP 68 bis 10 bar
Brass nickel plated, Stainless steel AISI 303, PA 6-3, PVDF
Metric connection thread EN 60423
Type of protection IP 68 up to 10 bar


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

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|---|------------------|---|--|
| Messing Brass | vernickelt nickel plated | d | TPE | weiß white | | -40 °C / +130 °C |
| Messing Brass | vernickelt nickel plated | d | 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 |
| PA 6-3 | grau grey | u | TPE | weiß white | | -20 °C / +100 °C |
| PA 6-3 | grau grey | u | 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 |

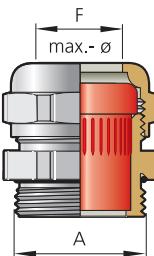


Abb. 3
Fig. 3

| Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | | 50 |
|---------------------------------------|----------------------|---|-------|---------|
| | | Messing/Brass | = d | |
| A | | VA 1.4305/AISI 303 | = st | |
| | | PA 6-3 | = u | = TPE |
| | | PVDF | = y p | = TPE-V |
| 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/21 | | 25 |
| | 23254 | g | | 25 |
| M40x1,5 | 24055 | g | | 10 |
| | 24056 | g ** | | 5 |
| M50x1,5 | 25056 | g | | 5 |
| | 25057 | g *** **** | | 5 |
| M63x1,5 | 26358 | g **** | | 5 |

42100 | TT99/00

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

* Variant in y and u not available. ** Sealing insert short = Art. no.: Ek... *** Variant y and u sealing insert short= Art. no.: Ek... **** Variant y and u made of POM (white colour); Temperature range: -40 °C up to +110 °C.



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



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



Hinweise zu den Baumaßen finden Sie auf Seite 504.
Information for the system dimensions, see page 504.

U46. UNI Stecker-Kabelverschraubung mit geteiltem Dichteinsatz

U46. UNI Connector cable gland with split sealing insert


 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

Messing vernickelt, Edelstahl: 1.4305, PA 6-3, PVDF
Metrisches Anschlussgewinde EN 60423
Schutztart IP 68 bis 10 bar

Brass nickel plated, Stainless steel: AISI 303, PA 6-3, PVDF

Metric connection thread EN 60423

Type of protection IP 68 up to 10 bar

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteinsatz Material sealing insert | Farbe Colour | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|---|-------------------------|--|
| Messing Brass | vernickelt <i>nickel plated</i> | d | TPE-V | natur <i>natural</i> | -40 °C / +135 °C |
| VA 1.4305 AISI 303 | blank | st | TPE-V | natur <i>natural</i> | -40 °C / +135 °C |
| PA 6-3 | grau <i>grey</i> | u | TPE-V | natur <i>natural</i> | -20 °C / +100 °C |
| PVDF | transparent | y | TPE-V | natur <i>natural</i> | -40 °C / +135 °C |

| Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | |
|---------------------------------------|----------------------|---|------------------------|
| | | Messing/Brass | = d |
| A | VA 1.4305/AISI 303 | = st | |
| | PA 6-3 | = u | |
| | 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 |
| | 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 2/5,5-1/11,5 5 |
| | | 25056 | pmK 2/6 5 |
| | | 25056 | pmK 2/8 5 |
| | | 25056 | pmK 2/11,5 5 |
| | | 25056 | pmK 3/7,2 5 |
| | | 25056 | pmK 3/7,5 5 |

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

* Sealing insert short = Art. no.: Ek...

21000 | TT01920

 Fortsetzung auf der nächsten Seite
Continued on next page

U46. UNI Stecker-Kabelverschraubung mit geteiltem Dichteinsatz
U46. UNI Connector cable gland with split sealing insert

Fortsetzung von vorheriger Seite
 Continued from previous page

| | Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | |
|----------|--|-----------------------------|---|--|
| | | | | |
| A | Messing/Brass | = d | | |
| | VA 1.4305/AISI 303 | = st | | |
| | PA 6-3 | = u | | |
| | PVDF | = y | | |
| M50x1,5 | 25056 | pmK 3/7,8 | 5 | |
| | 25056 | pmK 3/10 | 5 | |
| | 25057 | pmK * ** | 5 | |
| | 25057 | pmK 1/9 * ** | 5 | |
| | 25057 | pmK 1/26 * ** | 5 | |
| | 25057 | pmK 1/27 * ** | 5 | |
| | 25057 | pmK 1/30 ** | 5 | |
| | 25057 | pmK 1/32 * ** | 5 | |
| | 25057 | pmK 2/9 * ** | 5 | |

| | Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | |
|----------|--|-----------------------------|---|--|
| A | Messing/Brass | = d | | |
| | VA 1.4305/AISI 303 | = st | | |
| | PA 6-3 | = u | | |
| | PVDF | = y | | |
| M63x1,5 | 26358 | pmK ** | 5 | |
| | 26358 | pmK 1/6 ** | 5 | |
| | 26358 | pmK 1/8 ** | 5 | |
| | 26358 | pmK 1/28 ** | 5 | |
| | 26358 | pmK 1/29 ** | 5 | |
| | 26358 | pmK 1/32 ** | 5 | |
| | 26358 | pmK 1/6-1/8 ** | 5 | |
| | 26358 | pmK 2/8 ** | 5 | |

* Dichteinsatz kurz = Art.-Nr.: Ek... ** Variante y und u aus Werkstoff POM (Farbe weiß); Temperaturbereich: -40 °C bis +110 °C.
 * Sealing insert short = Art. no.: Ek... ** Variant y and u made of POM (white colour); Temperature range: -40 °C up to +110 °C.

U2. UNI Dicht® ASi-Bus-Kabelverschraubung

U2. UNI Dicht® ASi-Bus cable gland


 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

Messing vernickelt
Metrisches Anschlussgewinde EN 60423
Schutzart IP 68 bis 10 bar

Brass nickel plated
Metric connection thread EN 60423
Type of protection IP 68 up to 10 bar

Werkstoff Verschraubungskörper
 Material gland body

 Messing
 Brass

Ausführung/Farbe
 Version/colour

 vernickelt
 nickel plated

Werkstoff Dickeinsatz
 Material sealing insert

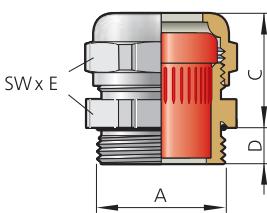
TPE-V

Farbe
 Colour

 natur
 natural

Temperaturbereich min./max.
 Temperature range min./max.

-40 °C / +135 °C


 Abb. 3
Fig. 3

Anschlussgewinde/-länge
 Connection thread/length

A

mm

Art.-Nr.
 Art. no.

Version ASi

Bauhöhe
 Mounting height

C

mm

Schlüsselweite
 Spanner width

SW x E

mm

| | | | | | | |
|---------|-----|-------------------|-----------------------------|------|---------|----|
| M20x1,5 | 6,5 | 22052dpm2xASI L | 2x links/2x left | 21,0 | 22x24,4 | 50 |
| | | 22052dpm2xASI R | 2x rechts/2x right | 21,0 | 22x24,4 | 50 |
| | | 22052dpf4,2ASI10L | links/left | 21,0 | 22x24,4 | 50 |
| | | 22052dpfm2xASIL/R | links & rechts/left & right | 21,0 | 22x24,4 | 50 |
| | | 22052dpf4,2ASI10R | rechts/right | 21,0 | 22x24,4 | 50 |

22590 | TT02500


 Abb. 4
Fig. 4

U28. UNI Dicht® ASi-Bus-Kabelverschraubung

U28. UNI Dicht® ASi-Bus cable gland


 Abb. 1
Fig. 1

Edelstahl: 1.4305

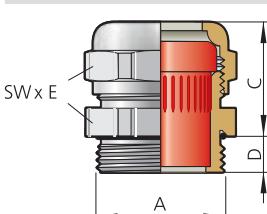
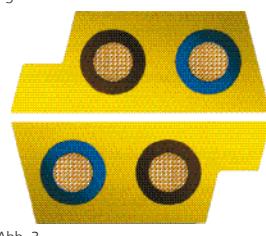
Metrisches Anschlussgewinde EN 60423

Schutzart IP 68 bis 10 bar

Stainless steel: AISI 303

Metric connection thread EN 60423

Type of protection IP 68 up to 10 bar


 Abb. 2
Fig. 2

 Abb. 3
Fig. 3

Ausführung/Farbe
 Version/colour

blank

Werkstoff Dickeinsatz
 Material sealing insert

TPE-V

Farbe
 Colour

 natur
 natural

Temperaturbereich min./max.
 Temperature range min./max.

-40 °C / +135 °C

Anschlussgewinde/-länge
 Connection thread/length

A

mm

Art.-Nr.
 Art. no.

Version ASi

Bauhöhe
 Mounting height

C

mm

Schlüsselweite
 Spanner width

SW x E

mm

| | | | | | | |
|---------|-----|--------------------|-----------------------------|------|---------|----|
| M20x1,5 | 6,5 | 22052stpm2xASI L | 2x links/2x left | 21,0 | 22x24,4 | 50 |
| | | 22052stpm2xASI R | 2x rechts/2x right | 21,0 | 22x24,4 | 50 |
| | | 22052stp4,2ASI10L | links/left | 21,0 | 22x24,4 | 50 |
| | | 22052stpfm2xASIL/R | links & rechts/left & right | 21,0 | 22x24,4 | 50 |
| | | 22052stp4,2ASI10R | rechts/right | 21,0 | 22x24,4 | 50 |

22690 | TT02500

U12. UNI Dicht® ASi-Bus-Kabelverschraubung

U12. UNI Dicht® ASi-Bus cable gland



 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

PA 6-3, Farbe: grau (RAL 7032), schwarz (RAL 9005)

Metrisches Anschlussgewinde EN 60423

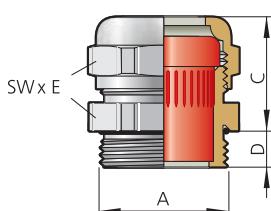
Schutzart IP 68 bis 10 bar

PA 6-3, colour: grey (RAL 7032), black (RAL 9005)

Metric connection thread EN 60423

Type of protection IP 68 up to 10 bar

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteinsatz Material sealing insert | Farbe Colour | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|---|------------------|--|
| PA 6-3 | grau grey | | TPE-V | natur natural | -20 °C / +100 °C |
| PA 6-3 | schwarz black | n | TPE-V | natur natural | -20 °C / +100 °C |


 Abb. 3
Fig. 3

| Anschlussgewinde/-länge Connection thread/length | | Art.-Nr. Art. no. | Version ASi Version ASi | Bauhöhe Mounting height | Schlüsselweite Spanner width |
|---|---------|----------------------------------|-----------------------------|----------------------------|---------------------------------|
| Ausführung bitte ergänzen Indicate product details | | | | | |
| A | D mm | grau/grey = schwarz/black = n | | C mm | SW x E mm |
| M20x1,5 | 9,0 | 22052u pm2xASI L | 2x links/2x left | 23,0 | 24x26,5 |
| | | 22052u pm2xASI R | 2x rechts/2x right | 23,0 | 24x26,5 |
| | | 22052u pf4,2ASI10L | links/left | 23,0 | 24x26,5 |
| | | 22052u pfm2xASIL/R | links & rechts/left & right | 23,0 | 24x26,5 |
| | | 22052u pf4,2ASI10R | rechts/right | 23,0 | 24x26,5 |

22700 | TT02560

 Abb. 4
Fig. 4

U19. UNI Dicht® ASi-Bus-Kabelverschraubung

U19. UNI Dicht® ASi-Bus cable gland



PVDF, Farbe: transparent, blau (RAL 5015), schwarz (RAL 9005)

Metrisches Anschlussgewinde EN 60423

Schutzart IP 68 bis 10 bar

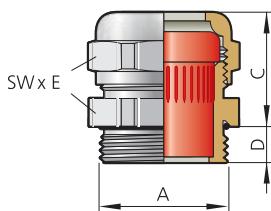
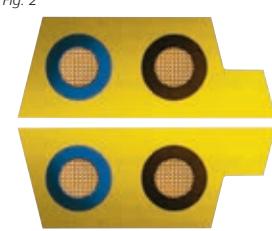
PVDF, colour: transparent, blue (RAL 5015), black (RAL 9005)

Metric connection thread EN 60423

Type of protection IP 68 up to 10 bar


 Abb. 1
Fig. 1

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteinsatz Material sealing insert | Farbe Colour | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|---|------------------|--|
| PVDF | transparent | | TPE-V | natur natural | -40 °C / +135 °C |
| PVDF | blau blue | a | TPE-V | natur natural | -40 °C / +135 °C |
| PVDF | schwarz black | n | TPE-V | natur natural | -40 °C / +135 °C |


 Abb. 2
Fig. 2

 Abb. 3
Fig. 3

| Anschlussgewinde/-länge Connection thread/length | | Art.-Nr. Art. no. | Version ASi Version ASi | Bauhöhe Mounting height | Schlüsselweite Spanner width |
|---|---------|---|-----------------------------|----------------------------|---------------------------------|
| Ausführung bitte ergänzen Indicate product details | | | | | |
| A | D mm | transparent = blau/blue = a schwarz/black = n | | C mm | SW x E mm |
| M20x1,5 | 9,0 | 22052y pm2xASI L | 2x links/2x left | 25,0 | 24x26,5 |
| | | 22052y pm2xASI R | 2x rechts/2x right | 25,0 | 24x26,5 |
| | | 22052y pf4,2ASI10L | links/left | 25,0 | 24x26,5 |
| | | 22052y pfm2xASIL/R | links & rechts/left & right | 25,0 | 24x26,5 |
| | | 22052y pf4,2ASI10R | rechts/right | 25,0 | 24x26,5 |

22800 | TT02660

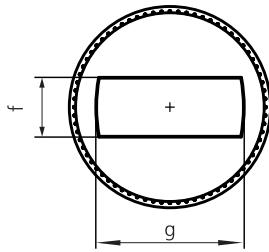
U9. UNI Flach-Kabelverschraubung – Gerundet

U9. UNI Flat cable gland – Rounded


 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteneinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|---|------------------|---|--|
| Messing Brass | vernickelt nickel plated | d | TPE | weiß white | | -40 °C / +130 °C |
| Messing Brass | vernickelt nickel plated | d | 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 |
| PA 6-3 | grau grey | u | TPE | weiß white | | -20 °C / +100 °C |
| PA 6-3 | grau grey | u | 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
Fig. 3

| Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | |
|---------------------------------------|----------------------|---|------------------|
| | | Messing/Brass VA 1.4305/AISI 303 | PA 6-3 PVDF |
| A | | = d = st = u = y p | = TPE = 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 g10 50 |
| | | 22553 | f 5 g12 50 |
| | | 22553 | f 5 g16 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 |

23300 | T01900

* Bei Variante y und u Dichteneinsatz kurz = Art.-Nr.: Ek...
* Variant y and u sealing insert short= Art. no.: Ek...

 Fortsetzung auf der nächsten Seite
Continued on next page

U9. UNI Flach-Kabelverschraubung – Gerundet
U9. UNI Flat cable gland – Rounded

Fortsetzung von vorheriger Seite
Continued from previous page

| | Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | |
|----------|--|-----------------------------|---|--|
| A | Messing/Brass | = d | | |
| | VA 1.4305/AISI 303 | = st | | |
| | PA 6-3 | = u = 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 | |
| | 25056 | f 8 g36 | 5 | |
| | 25056 | f11 g34 | 5 | |
| | 25056 | f12 g35 | 5 | |

| | Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | |
|----------|--|-----------------------------|---|--|
| A | Messing/Brass | = d | | |
| | VA 1.4305/AISI 303 | = st | | |
| | PA 6-3 | = u = TPE | | |
| | PVDF | = y p = TPE-V | | |
| M50x1,5 | 25057 | f 6 g38 * ** | 5 | |
| | 25057 | f10 g38 * ** | 5 | |
| | 25057 | f13 g35 * ** | 5 | |
| | 25057 | f14,5g37 * ** | 5 | |
| M63x1,5 | 26358 | f 6,5g47 ** | 5 | |
| | 26358 | f 9 g43 ** | 5 | |
| | 26358 | f14,5g39 ** | 5 | |
| | 26358 | f15 g45 | 5 | |
| M75x1,5 | 275212 | f15 g45 *** | 1 | |
| | 275212 | f18 g54 *** | 1 | |

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

23300 | TT01900

U9. UNI Flach-Kabelverschraubung – Oval

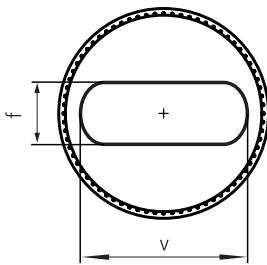
U9. UNI Flat cable gland – Oval


 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

Messing vernickelt, Edelstahl 1.4305, PA 6-3, PVDF
Schutzart IP 65
Form oval
Brass nickel plated, stainless steel AISI 303, PA 6-3, PVDF
Type of protection IP 65
Oval shape

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichtesatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|---|------------------|---|--|
| Messing Brass | vernickelt nickel plated | d | TPE | weiß white | | -40 °C / +130 °C |
| Messing Brass | vernickelt nickel plated | d | 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 |
| PA 6-3 | grau grey | u | TPE | weiß white | | -20 °C / +100 °C |
| PA 6-3 | grau grey | u | 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
Fig. 3

| Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | | |
|---------------------------------------|----------------------|---|-------|---------|
| | | Messing/Brass | = d | |
| A | | VA 1.4305/AISI 303 | = st | |
| | | PA 6-3 | = u | = TPE |
| | | 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 9,1 *** | 50 | |
| | 22052 | f 6 v 10 *** | 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 | |
| | 22553 | f 9 v15 | 50 | |
| M32x1,5 | 23254 | f 5 v16 | 25 | |
| | 23254 | f 7 v16,5 | 25 | |

23400 | IT01900

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

 Fortsetzung auf der nächsten Seite
Continued on next page

U9. UNI Flach-Kabelverschraubung – Oval
U9. UNI Flat cable gland – Oval

 Fortsetzung von vorheriger Seite
 Continued from previous page

| | Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | |
|----------|--|-----------------------------|---|---|
| A | Messing/Brass | = d | | |
| | VA 1.4305/AISI 303 | = st | | |
| | PA 6-3 | = u | = TPE | |
| | PVDF | = y p | = TPE-V |  |
| M32x1,5 | 23254 | f 7 v18 | 25 | |
| | 23254 | f 7 v20 | 25 | |
| M40x1,5 | 24055 | f 4 v23 | 10 | |
| | 24055 | f 8 v25 | 10 | |
| | 24055 | f10 v27 | 10 | |
| M50x1,5 | 25056 | f 5,5v31 | 5 | |
| | 25056 | f 6,5v32 | 5 | |

| | Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | |
|----------|--|-----------------------------|---|---|
| A | Messing/Brass | = d | | |
| | VA 1.4305/AISI 303 | = st | | |
| | PA 6-3 | = u | = TPE | |
| | PVDF | = y p | = TPE-V |  |
| M50x1,5 | 25056 | f11 v35 | 5 | |
| | 25056 | f13 v30,5 | 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 u 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 u not available. Variant y made of POM (white colour); Temperature range: -40 °C up to +110 °C. *** Only in brass available.

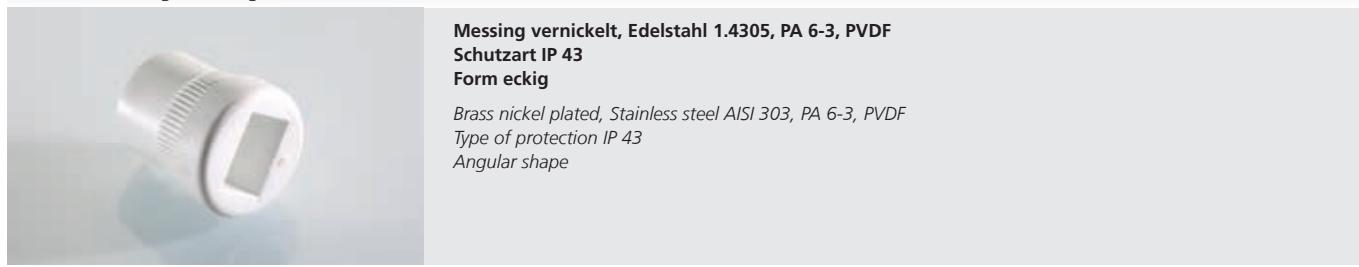
U9. UNI Flach-Kabelverschraubung – Eckig
U9. UNI Flat cable gland – Angular


Abb. 1
Fig. 1

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteteinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|---|-------------------------|---|--|
| Messing Brass | vernickelt <i>nickel plated</i> | d | TPE | weiß <i>white</i> | | -40 °C / +130 °C |
| Messing Brass | vernickelt <i>nickel plated</i> | d | TPE-V | natur <i>natural</i> | p | -40 °C / +135 °C |
| VA 1.4305 <i>AISI 303</i> | blank | st | TPE | weiß <i>white</i> | | -40 °C / +130 °C |
| VA 1.4305 <i>AISI 303</i> | blank | st | TPE-V | natur <i>natural</i> | p | -40 °C / +135 °C |
| PA 6-3 | grau <i>grey</i> | u | TPE | weiß <i>white</i> | | -20 °C / +100 °C |
| PA 6-3 | grau <i>grey</i> | u | TPE-V | natur <i>natural</i> | p | -20 °C / +100 °C |
| PVDF | transparent | y | TPE | weiß <i>white</i> | | -40 °C / +130 °C |
| PVDF | transparent | y | TPE-V | natur <i>natural</i> | p | -40 °C / +135 °C |

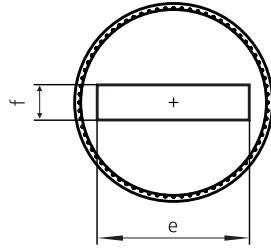


Abb. 2
Fig. 2

| Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | |
|---------------------------------------|----------------------|---|---------|
| | | Messing/Brass | = d |
| A | VA 1.4305/AISI 303 | = st | |
| | PA 6-3 | = u | = TPE |
| | PVDF | = y p | = 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 |

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

* Sealing insert short = Art. no.: Ek... ** Variant u not available. Variant y made of POM (white colour); Temperature range: -40 °C up to +110 °C.

23410 | T01900

Zugentlastung und Biegeschutz – metrisch

*Strain relief
and bending protection – metric*



Abb. 1 – UNI Biege Zug Kabelverschraubung
Fig. 1 – *UNI Bending strain relief 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

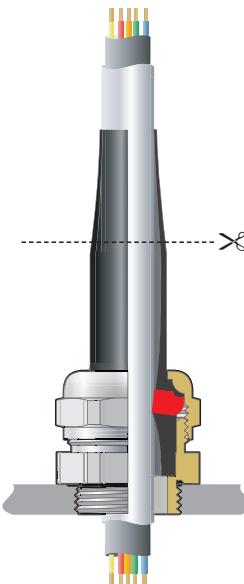
PFLITSCH cable glands are standardly produced with strain relief values that correspond to the EN 62444 class A standard. The models UNI Strain relief, UNI Clamping and UNI Bending Strain relief from the UNI Dicht® modular range provide even more safety with increased strain relief.

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.



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.

UNI Bending 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 standing 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 an especially 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.

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

U3. UNI Zug Dicht-Kabelverschraubung
U3. UNI Dicht® Strain relief cable gland
 RoHS


Abb. 1
Fig. 1



Abb. 2
Fig. 2

Messing vernickelt
Metrisches Anschlussgewinde EN 60423
Schutzart IP 54
*Brass nickel plated
Metric connection thread EN 60423
Type of protection IP 54*

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

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Werkstoff Dickeinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|--|------------------|---|--|
| Messing Brass | vernickelt nickel plated | TPE | s. FC s. CC | | -20 °C / +100 °C |
| Messing Brass | vernickelt nickel plated | TPE-V | natur natural | p | -20 °C / +100 °C |

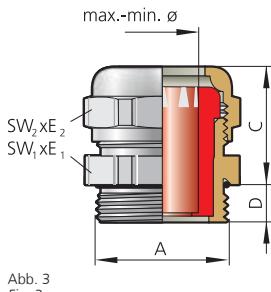


Abb. 3
Fig. 3

| A | D mm | Anschlussgewinde/-länge Art.-Nr. Connection thread/length Art. no. | | Dichtbereich Sealing range | Bauhöhe Mounting height | Schlüsselweite Spanner width |
|---------|---------|---|-------|-------------------------------|----------------------------|--|
| | | TPE | TPE-V | | | |
| | | Ausführung bitte ergänzen Indicate product details | | max./min. ø mm | C mm | SW ₁ x E ₁ /SW ₂ x E ₂ mm |
| M10x1,0 | 5,0 | 21049d | | z7/1mm | 6,5 – 4,0 | 19,0 |
| M10x1,5 | 5,0 | 21049d | | z 7/1,5mm | 6,5 – 4,0 | 19,0 |
| M12x1,5 | 5,0 | 21249d | | z 7 | 6,5 – 4,0 | 20,0 |
| | | 21250d | | z 9 * | 9,0 – 5,5 | 21,0 |
| M16x1,5 | 6,0 | 21650d | | z 7 | 6,5 – 4,0 | 20,0 |
| | | 21650d | | z 9 | 9,0 – 5,5 | 20,0 |
| | | 21651d | | z11 * | 10,0 – 6,0 | 21,0 |
| | | 21652d | | z13 * | 12,0 – 8,0 | 21,0 |
| M20x1,5 | 6,5 | 22052d | | z 9 | 9,0 – 5,5 | 21,0 |
| | | 22052d | | z11 | 10,0 – 6,0 | 21,0 |
| | | 22052d | | z13 | 12,0 – 8,0 | 21,0 |
| | | 22053d | | z16 * | 15,0 – 12,0 | 21,0 |
| | | 22054d | | z18 * | 17,0 – 14,0 | 24,0 |
| | | 22054d | | z20 * | 20,0 – 16,0 | 24,0 |
| M25x1,5 | 7,5 | 22553d | | z11 | 10,0 – 6,0 | 21,0 |
| | | 22553d | | z13 | 12,0 – 8,0 | 21,0 |
| | | 22553d | | z16 | 15,0 – 12,0 | 21,0 |
| | | 22554d | | z18 * | 17,0 – 14,0 | 25,0 |
| | | 22554d | | z20 * | 20,0 – 16,0 | 25,0 |
| | | 22555d | | z25 * | 24,0 – 20,0 | 25,0 |
| | | 22555d | | z28 * | 27,0 – 23,0 | 25,0 |
| M32x1,5 | 8,0 | 23254d | | z13 | 12,0 – 8,0 | 26,0 |
| | | 23254d | | z16 | 15,0 – 12,0 | 26,0 |
| | | 23254d | | z18 | 17,0 – 14,0 | 26,0 |
| | | 23254d | | z20 | 20,0 – 16,0 | 26,0 |
| | | 23255d | | z25 * | 24,0 – 20,0 | 29,0 |
| | | 23255d | | z28 * | 27,0 – 23,0 | 29,0 |
| M40x1,5 | 8,0 | 24055d | | z20 | 20,0 – 16,0 | 29,0 |
| | | 24055d | | z25 | 24,0 – 20,0 | 29,0 |
| | | 24055d | | z28 | 27,0 – 23,0 | 29,0 |
| M40x1,5 | 9,0 | 24056d | | z32 * | 31,5 – 27,0 | 28,0 |
| | | 24056d | | z36 * | 36,0 – 32,0 | 28,0 |
| M50x1,5 | 10,0 | 25056d | | z32 | 31,5 – 27,0 | 30,0 |
| | | 25056d | | z36 | 36,0 – 32,0 | 30,0 |
| | | 25057d | | z40 * | 40,0 – 34,0 | 30,0 |
| M63x1,5 | 10,0 | 26358d | | z44 | 43,0 – 39,0 | 30,0 |

* Dickeinsatz kurz = Art.-Nr.: Ek...
 * Sealing insert short = Art. no.: Ek...

1240 | T100400


Passende Gegenmuttern ab Seite 458
Corresponding lock nuts see page 458

U13. UNI Zug Dicht-Kabelverschraubung

U13. UNI Dicht® Strain relief cable gland


 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

PA 6-3, Farbe: grau (RAL 7032), schwarz (RAL 9005)
Metrisches Anschlussgewinde EN 60423
Schutzart IP 54

PA 6-3, colour: grey (RAL 7032), black (RAL 9005)

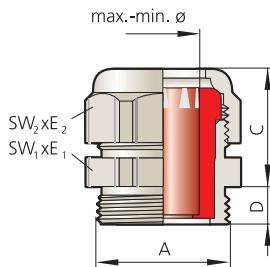
Metric connection thread EN 60423

Type of protection IP 54


Passende Gegenmuttern ab Seite 458

Corresponding lock nuts see page 458

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|---|------------------|---|--|
| PA 6-3 | grau grey | | TPE | s. FC s. CC | | -20 °C / +100 °C |
| PA 6-3 | grau grey | | TPE-V | natur natural | p | -20 °C / +100 °C |
| PA 6-3 | schwarz black | n | TPE | s. FC s. CC | | -20 °C / +100 °C |
| PA 6-3 | schwarz black | n | TPE-V | natur natural | p | -20 °C / +100 °C |


 Abb. 3
Fig. 3

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

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

* Sealing insert short = Art. no.: Ek...

12500 | ITT0500

U23. UNI Zug Dicht-Kabelverschraubung

U23. UNI Dicht® Strain relief cable gland



 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)

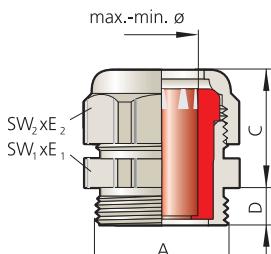
Metric connection thread EN 60423

Type of protection IP 54

Anschlussgewinde mit 15 mm Länge auf Anfrage

Long connection thread 15 mm on request

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichtteinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|--|------------------|---|--|
| PVDF | transparent | | TPE | s. FC s. CC | | -20 °C / +100 °C |
| PVDF | transparent | | TPE-V | natur natural | p | -20 °C / +100 °C |
| PVDF | blau blue | a | TPE | s. FC s. CC | | -20 °C / +100 °C |
| PVDF | blau blue | a | TPE-V | natur natural | p | -20 °C / +100 °C |
| PVDF | schwarz black | n | TPE | s. FC s. CC | | -20 °C / +100 °C |
| PVDF | schwarz black | n | TPE-V | natur natural | p | -20 °C / +100 °C |


 Abb. 3
Fig. 3

| Anschlussgewinde/-länge Connection thread/length | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | | | Dichtbereich Sealing range | Bauhöhe Mounting height | Schlüsselweite Spanner width |
|---|----------------------|---|---------|--|-------------------------------|----------------------------|---------------------------------|
| | | A mm | D mm | transparent blaue/blue schwarz/black | | | |
| M12x1,5 | 8,0 | 21249y | | z 7 * | 6,5 – 4,0 | 22,0 | 15x16,5 |
| M16x1,5 | 8,5 | 21651y | | z 11 * | 10,0 – 6,0 | 23,0 | 22x24,5 |
| M16x1,5 | 9,0 | 21650y | | z 7 | 6,5 – 4,0 | 22,0 | 19x21,2 |
| | | 21650y | | z 9 | 9,0 – 5,5 | 22,0 | 19x21,2 |
| M20x1,5 | 9,0 | 22052y | | z 9 * | 9,0 – 5,5 | 25,0 | 24x26,5 |
| | | 22052y | | z 11 * | 10,0 – 6,0 | 25,0 | 24x26,5 |
| | | 22052y | | z 13 * | 12,0 – 8,0 | 25,0 | 24x26,5 |
| | | 22053y | | z 16 * | 15,0 – 12,0 | 26,0 | 27x29,5 |
| M20x1,5 | 11,0 | 22054y | | z 18 * | 17,0 – 14,0 | 29,0 | 33x36,5 |
| | | 22054y | | z 20 * | 20,0 – 16,0 | 29,0 | 33x36,5 |
| M25x1,5 | 9,0 | 22553y | | z 11 | 10,0 – 6,0 | 26,0 | 29x31,5/27x29,5 |
| | | 22553y | | z 13 | 12,0 – 8,0 | 26,0 | 29x31,5/27x29,5 |
| | | 22553y | | z 16 | 15,0 – 12,0 | 26,0 | 29x31,5/27x29,5 |
| M25x1,5 | 11,0 | 22554y | | z 18 * | 17,0 – 14,0 | 29,0 | 33x36,5 |
| | | 22554y | | z 20 * | 20,0 – 16,0 | 29,0 | 33x36,5 |
| | | 22555y | | z 25 * | 24,0 – 20,0 | 33,0 | 43x46 |
| | | 22555y | | z 28 * | 27,0 – 23,0 | 33,0 | 43x46 |
| M32x1,5 | 11,0 | 23254y | | z 13 | 12,0 – 8,0 | 29,0 | 38x42/33x36,5 |
| | | 23254y | | z 16 | 15,0 – 12,0 | 29,0 | 38x42/33x36,5 |
| | | 23254y | | z 18 | 17,0 – 14,0 | 29,0 | 38x42/33x36,5 |
| | | 23254y | | z 20 | 20,0 – 16,0 | 29,0 | 38x42/33x36,5 |
| | | 23255y | | z 25 * | 24,0 – 20,0 | 33,0 | 43x46 |
| | | 23255y | | z 28 * | 27,0 – 23,0 | 33,0 | 43x46 |
| M40x1,5 | 11,5 | 24055y | | z 20 | 20,0 – 16,0 | 34,0 | 46x50/43x46,5 |
| | | 24055y | | z 25 | 24,0 – 20,0 | 34,0 | 46x50/43x46,5 |
| | | 24055y | | z 28 | 27,0 – 23,0 | 34,0 | 46x50/43x46,5 |

* Dichteneinsatz kurz = Art.-Nr.: Ek...

* Sealing insert short = Art. no.: Ek...

1260 | IT0500

U23. UNI Zug Dicht-Kabelverschraubung

U23. UNI Dicht® Strain relief cable gland

 Fortsetzung von vorheriger Seite
 Continued from previous page

| Anschlussgewinde/-länge | | Art.-Nr. | | Dichtbereich | Bauhöhe | Schlüsselweite |
|---|------|---|-------------------|------------------|-------------------|----------------|
| Connection thread/length | | Art. no. | | Sealing range | Mounting height | Spanner width |
| Ausführung bitte ergänzen Indicate product details | | | | | | |
| A | D | transparent blau/blue schwarz/black | = = a = n p | = TPE = TPE-V | max./min. ø mm | C mm |
| M40x1,5 | 13,0 | 24056y | | z32 * | 31,5–27,0 | 35,0 |
| | | 24056y | | z36 * | 36,0–32,0 | 35,0 |
| M50x1,5 | 13,0 | 25056y | | z32 | 31,5–27,0 | 35,0 |
| | | 25056y | | z36 | 36,0–32,0 | 35,0 |
| M50x1,5 | 14,0 | 25057y | | z40 * ** | 40,0–36,0 | 38,0 |
| M63x1,5 | 14,0 | 26358y | | z44 * ** | 44,0–39,0 | 41,0 |

* 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 | TT0500

U53. UNI Klemm Dicht-Kabelverschraubung

U53. UNI Clamping Dicht cable gland

 CE RoHS

 Abb. 1
Fig. 1

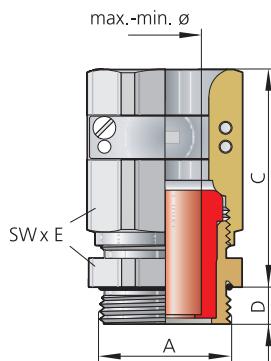
 Abb. 2
Fig. 2

Messing vernickelt
Metrisches Gewinde EN 60423
Schutzart IP 68

 Brass nickel plated
 Metric connection thread EN 60423
 Type of protection IP 68

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

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Werkstoff Dickeinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|--|------------------|---|--|
| Messing Brass | vernickelt nickel plated | TPE | s. FC s. CC | | -40 °C / +130 °C |
| Messing Brass | vernickelt nickel plated | TPE-V | natur natural | p | -40 °C / +135 °C |
| Messing Brass | vernickelt nickel plated | LSR | transparent | i | -60 °C / +200 °C |


 Abb. 3
Fig. 3

| Anschlussgewinde/-länge Connection thread/length | Art.-Nr. Art. no. | Dicthbereich Sealing range | | | Bauhöhe Mounting height | Schlüsselweite Spanner width | | |
|---|----------------------|-------------------------------|---------|---------------------|----------------------------|---------------------------------|---------|--|
| | | A | D mm | TPE TPE-V LSR | = = p = i | max./min. ø mm | C mm | SW ₁ x E ₁ /SW ₂ x E ₂ mm |
| M12x1,5 | 5,0 | 21250d | 7zu * | 6,5 – 4,0 | 39,0 | 17x18,9 | 50 | |
| | | 21250d | 8zu * | 8,0 – 5,0 | 39,0 | 17x18,9 | 50 | |
| | | 21250d | 9zu * | 9,5 – 6,5 | 39,0 | 17x18,9 | 50 | |
| M16x1,5 | 6,0 | 21650d | 7zu | 6,5 – 4,0 | 39,0 | 18x20/17x18,9 | 50 | |
| | | 21650d | 8zu | 8,0 – 5,0 | 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 | 7zu | 6,5 – 4,0 | 39,0 | 22x24,4 | 50 | |
| | | 22052d | 8zu | 8,0 – 5,0 | 39,0 | 22x24,4 | 25 | |
| | | 22052d | 9zu | 9,5 – 6,5 | 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 | 7zu | 6,5 – 4,0 | 41,0 | 28x31,2/24x26,7 | 50 | |
| | | 22553d | 8zu ** | 8,0 – 5,0 | 41,0 | 28x31,2/24x26,7 | 25 | |
| | | 22553d | 9zu | 9,5 – 6,5 | 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 | 11zu ** | 10,5 – 7,0 | 48,0 | 35x38,5/30x33,5 | 25 | |
| | | 23254d | 13zu | 13,0 – 9,0 | 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 | 16zu | 15,5 – 11,5 | 51,0 | 43x47,3/40x43,5 | 10 | |
| | | 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 | |

 * Dickeinsatz kurz = Art.-Nr.: Ek... ** Dickeinsatz aus LSR nicht lieferbar
 * Sealing insert short = Art. no.: Ek... ** Sealing insert LSR not available

13100 | TTB00400

 Fortsetzung auf der nächsten Seite
 Continued on next page

U53. UNI Klemm Dicht-Kabelverschraubung

U53. UNI Clamping Dicht cable gland

 Fortsetzung von vorheriger Seite
 Continued from previous page

| Anschlussgewinde/-länge | | | Art.-Nr. | Dichtbereich | Bauhöhe | Schlüsselweite |
|-------------------------|------|---------------------|---|-------------------|-----------------|--|
| | | | | Sealing range | Mounting height | Spanner width |
| | | | Ausführung bitte ergänzen Indicate product details | | | |
| A | D | TPE TPE-V LSR | = = p = i | max./min. Ø mm | C mm | SW ₁ x E ₁ /SW ₂ x E ₂ mm |
| M50x1,5 | 10,0 | 25056d | 32zu | 32,0–27,0 | 52,0 | 54x58/50x54 |
| | | 25056d | 34zu | 34,0–29,0 | 52,0 | 54x58/50x54 |
| | | 25056d | 36zu | 36,0–32,0 | 52,0 | 54x58/50x54 |
| M63x1,5 | 10,0 | 26358d | 44zu * | 44,0–39,0 | 54,0 | 68x74/64x69 |
| M75x1,5 | 15,0 | 275212d | 47zu * | 47,0–42,0 | 63,0 | 81x87 |
| | | 275212d | 52zu * | 52,0–45,0 | 63,0 | 81x87 |
| | | 275212d | 55zu * | 55,0–51,0 | 63,0 | 81x87 |
| | | 275212d | 58zu * | 58,0–54,0 | 63,0 | 81x87 |
| M80x2,0 | 15,0 | 280300d | 57zu * | 57,0–52,0 | 77,0 | 95x102 |
| | | 280300d | 64zu * | 64,0–58,0 | 77,0 | 95x102 |
| | | 280300d | 70zu * | 70,0–63,0 | 77,0 | 95x102 |

 * Dichteinsatz aus LSR nicht lieferbar
 * Sealing insert LSR not available

 Passende Gegenmuttern ab Seite 458
 Corresponding lock nuts see page 458

13100 IT00400

U5. UNI Biegeschutz Dicht-Kabelverschraubung
U5. UNI Dicht Bending cable gland


Abb. 1
Fig. 1

Abb. 2
Fig. 2

Messing vernickelt
Metrisches Anschlussgewinde EN 60423
Schutzart IP 68 bis 10 bar

Brass nickel plated
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 <i>Material gland body</i> | Ausführung/Farbe <i>Version/colour</i> | Werkstoff Dichteneinsatz <i>Material sealing insert</i> | Farbe <i>Colour</i> | Temperaturbereich min./max. <i>Temperature range min./max.</i> | | |
|---|--|---|------------------------------------|--|--|---|
| Messing Brass | vernickelt nickel plated | TPE-V | schwarz black | -40 °C / +135 °C | | |
| Anschlussgewinde-länge <i>Connection thread/length</i> | | | | | | |
| | A <i>mm</i> | D <i>mm</i> | Art.-Nr. <i>Art. no.</i> | Dichtebereich <i>Sealing range</i> | Bauhöhe <i>Mounting height</i> | Schlüsselweite <i>Spanner width</i> |
| max.-min. ø | | | | | | |
| | | | | | | |
| C | | | | | | |
| D | | | | | | |
| A | | | | | | |
| SW ₂ xE ₂ SW ₁ xE ₁ | | | | | | |
| Abb. 3 | | | | | | |
| Fig. 3 | | | | | | |
| M10x1,0 | 5,0 | 21049dLp 4/1mm* | 4,0 – 2,5 | 50,0 | 14x15,5 | 50 |
| | | 21049dLp 5/1mm* | 5,0 – 3,5 | 50,0 | 14x15,5 | 50 |
| | | 21049dLp 6,5/1mm* | 6,5 – 4,0 | 50,0 | 14x15,5 | 50 |
| M10x1,5 | 5,0 | 21049dLp 4/1,5mm* | 4,0 – 2,0 | 50,0 | 14x15,5 | 50 |
| | | 21049dLp 5/1,5mm* | 5,0 – 3,5 | 50,0 | 14x15,5 | 50 |
| | | 21049dLp 6,5/1,5mm* | 6,5 – 4,0 | 50,0 | 14x15,5 | 50 |
| M12x1,5 | 5,0 | 21249dLp 4* | 4,0 – 2,5 | 50,0 | 14x15,5 | 50 |
| | | 21249dLp 5* | 5,0 – 4,0 | 50,0 | 14x15,5 | 50 |
| | | 21250dLp 6,5* | 6,5 – 4,0 | 54,0 | 17x18,9 | 50 |
| | | 21250dLp 7,5* | 7,5 – 5,0 | 54,0 | 17x18,9 | 50 |
| M16x1,5 | 6,0 | 21650dLp 6,5 | 6,5 – 4,0 | 56,0 | 18x20/17x18,9 | 50 |
| | | 21650dLp 7,5 | 7,5 – 5,0 | 56,0 | 18x20/17x18,9 | 50 |
| | | 21651dLp 8,5 | 8,5 – 5,0 | 63,0 | 20x22,2 | 50 |
| | | 21651dLp 9* | 9,0 – 7,0 | 63,0 | 20x22,2 | 50 |
| | | 21652dLp10,5* | 10,5 – 6,0 | 68,0 | 22x24,4 | 50 |
| M20x1,5 | 6,5 | 22052dLp 7 | 6,5 – 5,0 | 69,0 | 22x24,4 | 50 |
| | | 22052dLp 8,5 | 8,5 – 5,0 | 69,0 | 22x24,4 | 50 |
| | | 22052dLp10,5 | 10,5 – 7,0 | 69,0 | 22x24,4 | 50 |
| | | 22053dLp13* | 13,0 – 10,0 | 77,0 | 24x26,7 | 25 |
| | | 22054dLp15,5* | 15,5 – 12,0 | 78,0 | 30x33,5 | 10 |
| M25x1,5 | 7,5 | 22553dLp 9,5 | 9,5 – 7,5 | 78,0 | 28x31,2/24x26,7 | 25 |
| | | 22553dLp10,5 | 10,5 – 8,0 | 78,0 | 28x31,2/24x26,7 | 25 |
| | | 22553dLp13 | 13,0 – 10,0 | 78,0 | 28x31,2/24x26,7 | 25 |
| | | 22554dLp15,5* | 15,5 – 12,0 | 78,0 | 30x33,5 | 10 |
| | | 22554dLp17,5* | 17,5 – 14,0 | 78,0 | 30x33,5 | 10 |
| M25x1,5 | 8,0 | 22555dLp20,5* | 20,5 – 16,0 | 104,0 | 40x43,5/30x33,5 | 10 |
| | | 22555dLp24* | 24,0 – 20,0 | 104,0 | 40x43,5/30x33,5 | 10 |
| M32x1,5 | 8,0 | 23254dLp15,5 | 15,5 – 12,0 | 78,0 | 35x38,5/30x33,5 | 10 |
| | | 23254dLp17,5 | 17,5 – 14,0 | 78,0 | 35x38,5/30x33,5 | 10 |
| | | 23255dLp20,5* | 20,5 – 16,0 | 104,0 | 40x43,5 | 10 |
| | | 23255dLp24* | 24,0 – 20,0 | 104,0 | 40x43,5 | 10 |
| | | 23256dLp28* | 28,0 – 24,0 | 107,0 | 50x54 | 5 |
| M40x1,5 | 8,0 | 24055dLp20,5 | 20,5 – 16,0 | 104,0 | 43x47,3/40x43,5 | 10 |
| | | 24055dLp24 | 24,0 – 20,0 | 104,0 | 43x47,3/40x43,5 | 10 |
| M40x1,5 | 9,0 | 24056dLp28* | 28,0 – 25,0 | 107,0 | 50x54 | 5 |
| | | 24056dLp32* | 32,0 – 28,0 | 107,0 | 50x54 | 5 |
| M50x1,5 | 10,0 | 25056dLp28 | 28,0 – 25,0 | 107,0 | 54x58/50x54 | 5 |
| | | 25056dLp32 | 32,0 – 28,0 | 107,0 | 54x58/50x54 | 5 |

* Dichteneinsatz kurz = Art.-Nr.: Ek...
* Sealing insert short = Art. no.: Ek...



Passende Gegenmuttern ab Seite 458
Corresponding lock nuts see page 458

U14. UNI Biegeschutz Dicht-Kabelverschraubung

U14. UNI Dicht Bending cable gland


 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

PA 6-3, Farbe: grau (RAL 7032), schwarz (RAL 9005)
Metricches Anschlussgewinde EN 60423
Schutzart IP 68 bis 10 bar

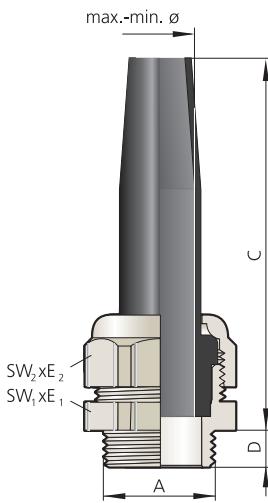
PA 6-3, colour: grey (RAL 7032), black (RAL 9005)

Metric connection thread EN 60423

Type of protection IP 68 up to 10 bar


Passende Gegenmuttern ab Seite 458
Corresponding lock nuts see page 458

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteinsatz Material sealing insert | Farbe Colour | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|---|------------------|--|
| PA 6-3 | grau grey | | TPE-V | schwarz black | -20 °C / +100 °C |
| PA 6-3 | schwarz black | n | TPE-V | schwarz black | -20 °C / +100 °C |


 Abb. 3
Fig. 3

| Anschlussgewinde/länge Connection thread/length | | Art.-Nr. Art. no. | Dichtbereich Sealing range | Bauhöhe Mounting height | Schlüsselweite Spanner width |
|--|------|---|-------------------------------|----------------------------|--|
| A | D | ausführung bitte ergänzen Indicate product details | max./min. ø | C | SW ₁ x E ₁ /SW ₂ x E ₂ |
| | mm | grau/grey schwarz/black | mm | mm | mm |
| M12x1,5 | 8,0 | 21249u Lp 4 * | 4,0 – 2,0 | 52,0 | 15x16,5 50 |
| | | 21249u Lp 5 * | 5,0 – 3,5 | 52,0 | 15x16,5 50 |
| | | 21249u Lp 6,5 * | 6,5 – 4,0 | 52,0 | 15x16,5 50 |
| | | 21250u Lp 6,5 * | 6,5 – 4,0 | 55,0 | 19x21,2 50 |
| M16x1,5 | 9,0 | 21650u Lp 6,5 | 6,5 – 4,0 | 58,0 | 19x21,2 50 |
| | | 21650u Lp 7,5 | 7,5 – 5,0 | 58,0 | 19x21,2 50 |
| M16x1,5 | 8,5 | 21651u Lp 8,5 * | 8,5 – 6,0 | 64,0 | 22x24,5 50 |
| | | 21651u Lp 9,5 * | 9,5 – 6,5 | 64,0 | 22x24,5 50 |
| M20x1,5 | 9,0 | 22051u Lp 6,5 | 6,5 – 4,0 | 72,0 | 24x26,5/22x24,4 50 |
| | | 22051u Lp 7,5 | 7,5 – 5,0 | 72,0 | 24x26,5/22x24,4 50 |
| | | 22051u Lp 8,5 | 8,5 – 6,0 | 72,0 | 24x26,5/22x24,4 50 |
| | | 22051u Lp 9,5 | 9,5 – 6,5 | 72,0 | 24x26,5/22x24,4 50 |
| | | 22052u Lp 10,5 * | 10,5 – 7,0 | 72,0 | 24x26,5 50 |
| | | 22053u Lp 13 * | 13,0 – 10,0 | 75,0 | 27x29,5 25 |
| M25x1,5 | 9,0 | 22553u Lp 9,5 | 9,5 – 7,5 | 80,0 | 30x33/27x29,5 25 |
| | | 22553u Lp 10,5 | 10,5 – 8,0 | 80,0 | 30x33/27x29,5 25 |
| | | 22553u Lp 13 | 13,0 – 10,0 | 80,0 | 30x33/27x29,5 25 |
| M25x1,5 | 11,0 | 22554u Lp 15,5 * | 15,5 – 12,0 | 80,0 | 33x36,5 10 |
| | | 22554u Lp 17,5 * | 17,5 – 14,0 | 80,0 | 33x36,5 10 |
| M32x1,5 | 11,0 | 23254u Lp 12 | 12,0 – 8,0 | 80,0 | 36x39,5/33x36,5 10 |
| | | 23254u Lp 15,5 | 15,5 – 12,0 | 80,0 | 36x39,5/33x36,5 10 |
| | | 23255u Lp 17,5 * | 17,5 – 14,0 | 104,0 | 43x46/43x46,5 10 |
| | | 23255u Lp 20,5 * | 20,5 – 16,0 | 104,0 | 43x46/43x46,5 10 |
| | | 23255u Lp 24 * | 24,0 – 20,0 | 104,0 | 43x46/43x46,5 10 |
| M40x1,5 | 11,5 | 24055u Lp 20,5 | 20,5 – 16,0 | 104,0 | 46x50/43x46,5 10 |
| | | 24055u Lp 24 | 24,0 – 20,0 | 104,0 | 46x50/43x46,5 10 |
| M40x1,5 | 13,0 | 24056u Lp 28 * | 28,0 – 24,0 | 108,0 | 53x57 5 |
| | | 24056u Lp 32 * | 32,0 – 28,0 | 108,0 | 53x57 5 |
| M50x1,5 | 14,0 | 25056u Lp 28 | 28,0 – 24,0 | 110,0 | 56x61/53x57 5 |
| | | 25056u Lp 32 | 32,0 – 28,0 | 110,0 | 56x61/53x57 5 |

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

* Sealing insert short = Art. no.: Ek...

12803 | TT00700

U73. UNI Biegeschutz Dicht-Kabelverschraubung
 U73. UNI Dicht Bending cable gland

 RoHS

 Abb. 1
 Fig. 1

 Abb. 2
 Fig. 2

PVDF, Farbe: transparent, schwarz (RAL 9005)

Metrisches Anschlussgewinde EN 60423

Schutzart IP 68 bis 10 bar

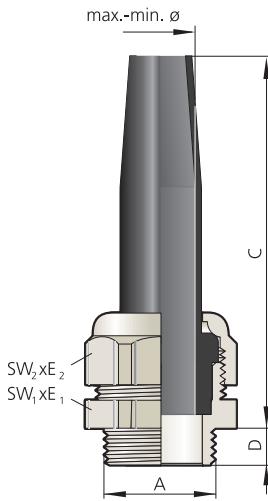
PVDF, colour: transparent, black (RAL 9005)

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 Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteinsatz Material sealing insert | Farbe Colour | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|---|------------------|--|
| PVDF | transparent | | TPE-V | schwarz black | -40 °C / +135 °C |
| PVDF | schwarz black | n | TPE-V | schwarz black | -40 °C / +135 °C |


 Abb. 3
 Fig. 3

| A mm | D mm | Anschlussgewinde-/länge Connection thread/length | | Art.-Nr. Art. no. | Dichtbereich Sealing range | Bauhöhe Mounting height | Schlüsselweite Spanner width |
|---------|---------|---|----------------------|----------------------|-------------------------------|----------------------------|---------------------------------|
| | | transparent = | schwarz/black = n | | | | |
| M12x1,5 | 8,0 | 21249y | Lp 4 * | 4,0 – 2,5 | 52,0 | 15x16,5 | 50 |
| | | 21249y | Lp 5 * | 5,0 – 3,5 | 52,0 | 15x16,5 | 50 |
| M16x1,5 | 9,0 | 21650y | Lp 6,5 | 6,5 – 4,0 | 55,0 | 19x21,2 | 50 |
| | | 21650y | Lp 7,5 | 7,5 – 5,0 | 55,0 | 19x21,2 | 50 |
| M16x1,5 | 8,5 | 21651y | Lp 8,5 * | 8,5 – 6,0 | 64,0 | 22x24,4 | 50 |
| | | 21651y | Lp 9,5 * | 9,5 – 6,5 | 64,0 | 22x24,4 | 50 |
| M20x1,5 | 9,0 | 22051y | Lp 6,5 | 6,5 – 4,0 | 72,0 | 24x26,5/22x24,4 | 50 |
| | | 22051y | Lp 7,5 | 7,5 – 5,0 | 72,0 | 24x26,5/22x24,4 | 50 |
| | | 22051y | Lp 8,5 | 8,5 – 6,0 | 72,0 | 24x26,5/22x24,4 | 50 |
| | | 22051y | Lp 9,5 | 9,5 – 6,5 | 72,0 | 24x26,5/22x24,4 | 50 |
| | | 22052y | Lp 10,5 * | 10,5 – 7,0 | 72,0 | 24x26,5 | 50 |
| | | 22053y | Lp 13 * | 13,0 – 10,0 | 75,0 | 27x29,5 | 25 |
| M25x1,5 | 9,0 | 22553y | Lp 9,5 | 9,5 – 7,5 | 80,0 | 29x31,5/27x29,5 | 25 |
| | | 22553y | Lp 10,5 | 10,5 – 8,0 | 80,0 | 29x31,5/27x29,5 | 25 |
| | | 22553y | Lp 13 | 13,0 – 10,0 | 80,0 | 29x31,5/27x29,5 | 25 |
| M25x1,5 | 11,0 | 22554y | Lp 15,5 * | 15,5 – 12,0 | 80,0 | 33x36,5 | 10 |
| | | 22554y | Lp 17,5 * | 17,5 – 14,0 | 80,0 | 33x36,5 | 10 |
| M32x1,5 | 11,0 | 23254y | Lp 12 | 12,0 – 8,0 | 80,0 | 38x42/33x36,5 | 10 |
| | | 23254y | Lp 15,5 | 15,5 – 12,0 | 80,0 | 38x42/33x36,5 | 10 |
| | | 23255y | Lp 17,5 * | 17,5 – 14,0 | 104,0 | 43x46 | 10 |
| | | 23255y | Lp 20,5 * | 20,5 – 16,0 | 104,0 | 43x46 | 10 |
| | | 23255y | Lp 24 * | 24,0 – 20,0 | 104,0 | 43x46 | 10 |
| M40x1,5 | 11,5 | 24055y | Lp 20,5 | 20,5 – 16,0 | 108,0 | 46x50/43x46 | 5 |
| | | 24055y | Lp 24 | 24,0 – 20,0 | 108,0 | 46x50/43x46 | 5 |
| M40x1,5 | 13,0 | 24056y | Lp 28 * | 28,0 – 24,0 | 108,0 | 53x57 | 5 |
| | | 24056y | Lp 32 * | 32,0 – 28,0 | 108,0 | 53x57 | 5 |
| M50x1,5 | 14,0 | 25056y | Lp 28 | 28,0 – 24,0 | 110,0 | 56x61/53x57 | 5 |
| | | 25056y | Lp 32 | 32,0 – 28,0 | 110,0 | 56x61/53x57 | 5 |

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

* Sealing insert short = Art. no.: Ek...

U5. UNI Flex Dicht-Kabelverschraubung

U5. UNI Flex Dicht cable gland


 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

Messing vernickelt, Feder aus Edelstahl
Metrisches Anschlussgewinde EN 60423
Schutzart IP 68 – statisch geprüft

Brass nickel plated, spring made of stainless steel

Metric connection thread EN 60423

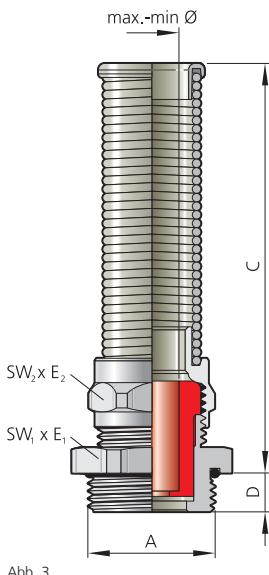
Type of protection IP 68 – statically tested



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 switched 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 Material gland body | Ausführung/Farbe Version/colour | Werkstoff Dichteinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|------------------|---|--|
| Messing Brass | vernickelt nickel plated | TPE | s. FC s. CC | | -40 °C / +130 °C |
| Messing Brass | vernickelt nickel plated | TPE-V | natur natural | p | -40 °C / +135 °C |
| Messing Brass | vernickelt nickel plated | LSR | transparent | i | -60 °C / +200 °C |


 Abb. 3
Fig. 3

| Anschlussgewinde/-länge Connection thread/length | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | | Dichtbereich Sealing range | Bauhöhe Mounting height | Schlüsselweite Spanner width |
|---|----------------------|---|------------|-------------------------------|----------------------------|---------------------------------|
| | | TPE TPE-V mm | = p = i | | | |
| M16x1,5 | 6,0 | 21652dF | 14.07V2 | 6,5 – 4,0 | 80,0 | 22x24,4 |
| | | 21652dF | 14.09V2 | 9,5 – 6,5 | 80,0 | 22x24,4 |
| | | 21652dF | 14.11V2 | 10,5 – 7,0 | 80,0 | 22x24,4 |
| M20x1,5 | 6,5 | 22052dF | 14.07V2 | 6,5 – 4,0 | 82,0 | 22x24,4 |
| | | 22052dF | 14.08V2 | 8,0 – 5,0 | 82,0 | 22x24,4 |
| | | 22052dF | 14.09V2 | 9,5 – 6,5 | 82,0 | 22x24,4 |
| | | 22052dF | 14.11V2 | 10,5 – 7,0 | 82,0 | 22x24,4 |
| | | 22052dF | 14.13V2 | 13,0 – 9,0 | 82,0 | 22x24,4 |
| | | 22053dF | 16.16V2 | 15,5 – 11,5 | 82,0 | 24x26,7 |
| M25x1,5 | 7,5 | 22553dF | 16.11V2 | 10,5 – 7,0 | 85,0 | 28x31,2/24x26,7 |
| | | 22553dF | 16.13V2 | 13,0 – 9,0 | 85,0 | 28x31,2/24x26,7 |
| | | 22553dF | 16.16V2 | 15,5 – 11,5 | 85,0 | 28x31,2/24x26,7 |
| | | 22554dF | 19.18V2 | 18,0 – 14,0 | 90,0 | 30x33,5 |
| M32x1,5 | 8,0 | 23254dF | 19.18V2 | 18,0 – 14,0 | 90,0 | 35x38,5/30x33,5 |
| | | | | | | 10 |



Passende Gegenmuttern ab Seite 458
Corresponding lock nuts see page 458

13000 | TT00400

U6. UNI Biege Zug-Kabelverschraubung
U6. UNI Bending Strain relief cable gland


 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

Messing vernickelt
Metrisches Anschlussgewinde EN 60423
Schutzart IP 54
Integrierte Zugentlastung – vibrationsfest

Brass nickel plated
Metric connection thread EN 60423
Type of protection IP 54
Integrated strain relief – non vibration

 **Doppelnippel innen geschrägt, deshalb Lieferform nur komplett**
Internal chamfered double nipple, therefore delivery only of complete articles

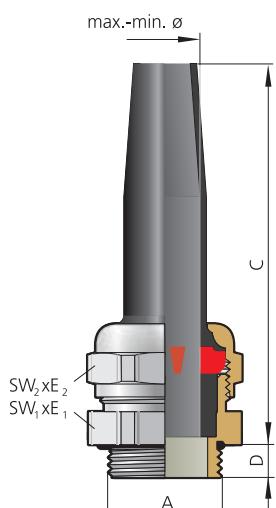
Werkstoff Verschraubungskörper
Material gland body
 Messing
Brass

Ausführung/Farbe
Version/colour
 vernickelt
nickel plated

Werkstoff Dichteneinsatz
Material sealing insert
 TPE-V

Farbe
Colour
 schwarz
black

Temperaturbereich min./max.
Temperature range min./max.
 -20 °C / +100 °C


 Abb. 3
Fig. 3

| Anschlussgewinde/-länge <i>Connection thread/length</i> | Art.-Nr. <i>Art. no.</i> | Dichtbereich <i>Sealing range</i> max./min. Ø <i>mm</i> | Bauhöhe <i>Mounting height</i> C <i>mm</i> | Schlüsselweite <i>Spanner width</i> SW₁ x E₁/SW₂ x E₂ <i>mm</i> |  | |
|---|------------------------------------|--|---|--|---|----|
| | | | | | | |
| 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 |
| | | 21652dLzp 11* | 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 |
| | | 22052dLzp 11 | 10,5 – 8,5 | 69,0 | 22x24,4 | 50 |
| | | 22053dLzp 13* | 13,0 – 9,0 | 77,0 | 24x26,7 | 25 |
| | | 22054dLzp 16* | 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 |
| | | 22553dLzp 11 | 10,5 – 8,5 | 73,0 | 28x31,2/24x26,7 | 25 |
| | | 22553dLzp 13 | 13,0 – 9,0 | 73,0 | 28x31,2/24x26,7 | 25 |
| | | 22554dLzp 16* | 15,5 – 13,0 | 78,0 | 30x33,5 | 10 |
| M32x1,5 | 8,0 | 23254dLzp 13 | 13,0 – 9,0 | 78,0 | 35x38,5/30x33,5 | 10 |
| | | 23254dLzp 16 | 15,5 – 13,0 | 78,0 | 35x38,5/30x33,5 | 10 |
| | | 23254dLzp 18 | 17,5 – 14,0 | 78,0 | 35x38,5/30x33,5 | 10 |
| | | 23255dLzp 21* | 20,0 – 17,0 | 103,0 | 40x43,5 | 5 |
| M40x1,5 | 8,0 | 24055dLzp 21 | 20,0 – 17,0 | 104,0 | 43x47,3/40x43,5 | 5 |
| | | 24055dLzp 25 | 24,5 – 21,0 | 104,0 | 43x47,3/40x43,5 | 5 |

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

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

 **Passende Gegenmuttern ab Seite 458**
Corresponding lock nuts see page 458

13300 | IT00610

U15. UNI Biege Zug-Kabelverschraubung

U15. UNI Bending Strain relief cable gland


 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

PA 6-3, Farbe: grau (RAL 7032), schwarz (RAL 9005)

Metrisches Anschlussgewinde EN 60423

Schutzart IP 54

Integrierte Zugentlastung – vibrationsfest

PA 6-3, colour: grey (RAL 7032), black (RAL 9005)

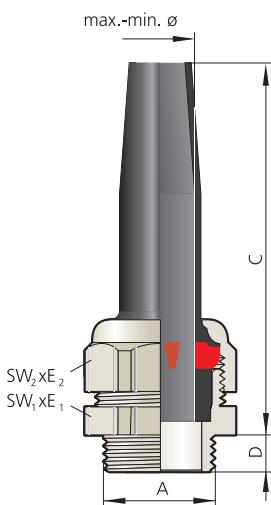
Metric connection thread EN 60423

Type of protection IP 54

Integrated strain relief – vibration resistant


Doppelnippel innen geschrägt, deshalb Lieferform nur komplett
 Internal chamfered double nipple, therefore delivery only of complete articles

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteneinsatz Material sealing insert | Farbe Colour | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|---|------------------|--|
| PA 6-3 | grau grey | | TPE-V | schwarz black | -20 °C / +100 °C |
| PA 6-3 | schwarz black | n | TPE-V | schwarz black | -20 °C / +100 °C |


 Abb. 3
Fig. 3

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

* Dichteneinsatz kurz = Art.-Nr.: Ek...

* Sealing insert short = Art. no.: Ek...


Passende Gegenmuttern ab Seite 458
 Corresponding lock nuts see page 458

13401 TT00700

U74. UNI Biege Zug-Kabelverschraubung
 U74. UNI Bending Strain 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 54

Integrierte Zugentlastung – vibrationsfest

PVDF, colour: transparent, blue (RAL 5015), black (RAL 9005)

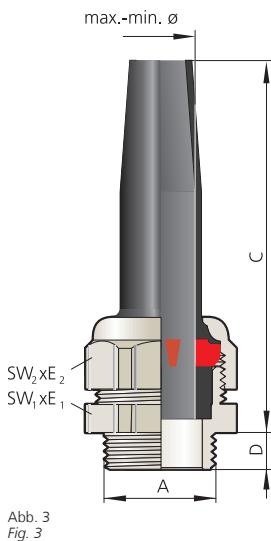
Metric connection thread EN 60423

Type of protection IP 54

Integrated strain relief – vibration resistant


Doppelnippel innen geschrägt, deshalb Lieferform nur komplett
 Internal chamfered double nipple, therefore delivery only of complete articles

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteinsatz Material sealing insert | Farbe Colour | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|---|------------------|--|
| PVDF | transparent | | TPE-V | schwarz black | -20 °C / +100 °C |
| PVDF | blau blue | a | TPE-V | schwarz black | -20 °C / +100 °C |
| PVDF | schwarz black | n | TPE-V | schwarz black | -20 °C / +100 °C |


 Abb. 3
 Fig. 3

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

13900 | IT00070

Übersichtstabelle der UNI Dicht®-Komponenten – M

Overview of UNI Dicht® components – M

Ms vernickelt, VA: 1.4305, PA 6-3 Farbe grau (RAL 7032), PVDF Farbe transparent, mit metr. Gewinde EN 60423 Schutzart IP 68 bis 10 bar

 Brass nickel plated, stainless steel: AISI 303, PA 6-3 colour grey (RAL 7032), PVDF colour transparent, with metric connecting thread EN 60423
 type of protection IP 68 up to 10 bar

| Anschlussgewinde Connection thread | Messing vernickelt Brass nickel plated | | | Edelstahl 1.4305 Stainless steel AISI 303 | | | PA 6-3 PA 6-3 | |
|---------------------------------------|---|------------------|------------------|--|------------------|------------------|------------------|--|
| | A | DS ¹⁾ | DN ¹⁾ | VK ¹⁾ | DS ¹⁾ | DN ¹⁾ | VK ¹⁾ | |
| 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 149u | |
| M12x1,5 | DS 150d | DN 21250d | VK 21250d | | | | | |
| M16x1,5 | DS 150d | DN 21650d | VK 21650d | DS 150st | DN 21650st | VK 21650st | DS 150u | |
| M16x1,5 | DS 151d | DN 21651d | VK 21651d | DS 151st | DN 21651st | VK 21651st | DS 151u | |
| M20x1,5 | DS 152d | DN 22052d | VK 22052d | DS 152st | DN 22052st | VK 22052st | DS 152u | |
| M20x1,5 | DS 153d | DN 22053d | VK 22053d | DS 153st | DN 22053st | VK 22053st | DS 153u | |
| M25x1,5 | DS 153d | DN 22553d | VK 22553d | DS 153st | DN 22553st | VK 22553st | DS 153u | |
| M25x1,5 | DS 154d18 | DN 22554d | VK 22554d | DS 154st18 | DN 22554st | VK 22554st | DS 154u | |
| 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 154u | |
| M32x1,5 | DS 154d21 | DN 23254d | VK 23254d20 | DS 154st21 | DN 23254st | VK 23254st20 | DS 154u | |
| M32x1,5 | DS 155d | DN 23255d | VK 23255d | DS 155st | DN 23255st | VK 23255st | DS 155u | |
| M40x1,5 | DS 155d | DN 24055d | VK 24055d | DS 155st | DN 24055st | VK 24055st | DS 155u | |
| M40x1,5 | DS 156d | DN 24056d | VK 24056d | DS 156st | DN 24056st | VK 24056st | DS 156u | |
| M50x1,5 | DS 156d | DN 25056d | VK 25056d | DS 156st | DN 25056st | VK 25056st | DS 156u | |
| 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 s. Seite 86 bis 91 * Dichteinsatz kurz = Art.-Nr.: Ek... ** Werkstoff POM (Farbe weiß), Temperaturbereich: -40 °C bis +110 °C.

1) Short cuts see page 86 to 91 * Sealing insert short = Art. no.: Ek... ** Material POM (white colour), Temperature range: -40 °C up to +110 °C.

| PA 6-3 PA 6-3 | | PVDF PVDF | | | Dichteinsätze Sealing inserts | | | TPE geschlossen TPE closed |
|------------------|------------------|------------------|------------------|------------------|----------------------------------|-------------|----------|-----------------------------------|
| DN ¹⁾ | VK ¹⁾ | DS ¹⁾ | DN ¹⁾ | VK ¹⁾ | TPE | TPE-V | LSR | |
| | | | | | | | | Ek204/1,6 |
| | | | | | | | | Ek206kp 3 |
| | | | | | | | | Ek149/ 7 Ek149p 7 Ek149i 7 Ek149g |
| | | | | | | | | Ek149/ 7 Ek149p 7 Ek149i 7 Ek149g |
| DN 21249u * | VK 21249u * | DS 149y | DN 21249y * | VK 21249y * | Ek149/ 7 | Ek149p 7 | Ek149i 7 | Ek149g |
| | | | | | | | | Ek150/ 8 Ek150p 8 Ek150i 8 Ek150g |
| | | | | | | | | Ek150/ 9 Ek150p 9 Ek150i 9 |
| DN 21650u | VK 21650u | DS 150y | DN 21650y | VK 21650y | E 150/ 7 | E 150p 7 | E 150i 7 | E 150g |
| | | | | | | | | E 150/ 8 E 150p 8 E 150i 8 |
| | | | | | | | | E 150/ 9 E 150p 9 E 150i 9 |
| DN 21651u | VK 21651u | DS 151y | DN 21651y | VK 21651y | Ek151/ 9 | Ek151p 9 | Ek151i 9 | Ek151g |
| | | | | | | | | Ek151/11 Ek151p11 Ek151i11 |
| DN 22052u * | VK 22052u * | DS 152y | DN 22052y * | VK 22052y * | E 152/ 7 | E 152p 7 | E 152i 7 | E 152g |
| | | | | | | | | E 152/ 8 E 152p 8 E 152i 8 |
| | | | | | | | | E 152/ 9 E 152p 9 E 152i 9 |
| | | | | | | | | E 152/11 E 152p11 E 152i11 |
| | | | | | | | | E 152/13 E 152p13 E 152i13 |
| DN 22053u | VK 22053u | DS 153y | DN 22053y | VK 22053y | Ek153/11 | Ek153p11 | Ek153i11 | Ek153g |
| | | | | | | | | Ek153/13 Ek153p13 Ek153i13 |
| | | | | | | | | Ek153/16 Ek153p16 Ek153i16 |
| DN 22553u | VK 22553u | DS 153y | DN 22553y | VK 22553y | E 153/ 7 | E 153p 7 | E 153i 7 | E 153g |
| | | | | | | | | E 153/ 8 E 153p 8 |
| | | | | | | | | E 153/ 9 E 153p 9 E 153i 9 |
| | | | | | | | | E 153/11 E 153p11 E 153i11 |
| | | | | | | | | E 153/13 E 153p13 E 153i13 |
| | | | | | | | | E 153/16 E 153p16 E 153i16 |
| DN 22554u | VK 22554u | DS 154y | DN 22554y | VK 22554y | Ek154/13 | Ek154p13 | Ek154i13 | Ek154g |
| | | | | | | | | Ek154/16 Ek154p16 Ek154i16 |
| | | | | | | | | Ek154/18 Ek154p18 Ek154i18 |
| | | DS 154y | DN 22554y | VK 22554y | Ek154/20 | Ek154p20 | Ek154i20 | Ek154g |
| DN 23254u | VK 23254u | DS 154y | DN 23254y | VK 23254y | E 154/11 | E 154p11 | E 154i11 | E 154g |
| | | | | | | | | E 154/13 E 154p13 E 154i13 |
| | | | | | | | | E 154/16 E 154p16 E 154i16 |
| | | | | | | | | E 154/18 E 154p18 E 154i18 |
| DN 23254u | VK 23254u | DS 154y | DN 23254y | VK 23254y | E 154/20 | E 154p20 | E 154i20 | E 154g |
| DN 23255u | VK 23255u | DS 155y | DN 23255y | VK 23255y | Ek155/18 | Ek155p18 | Ek155i18 | Ek155g |
| | | | | | | | | Ek155/20 Ek155p20 Ek155i20 |
| | | | | | | | | Ek155/25 Ek155p25 Ek155i25 |
| | | | | | | | | Ek155/28 Ek155p28 Ek155i28 |
| DN 24055u | VK 24055u | DS 155y | DN 24055y | VK 24055y | E 155/16 | E 155p16 | E 155i16 | E 155g |
| | | | | | | | | E 155/18 E 155p18 E 155i18 |
| | | | | | | | | E 155/20 E 155p20 E 155i20 |
| | | | | | | | | E 155/25 E 155p25 E 155i25 |
| | | | | | | | | E 155/28 E 155p28 E 155i28 |
| DN 24056u | VK 24056u | DS 156y | DN 24056y | VK 24056y | Ek156/32 | Ek156p32 | Ek156i32 | Ek156g |
| | | | | | | | | Ek156/34 Ek156p34 Ek156i34 |
| | | | | | | | | Ek156/36 Ek156p36 Ek156i36 |
| DN 25056u | VK 25056u | DS 156y | DN 25056y | VK 25056y | E 156/32 | E 156p32 | E 156i32 | E 156g |
| | | | | | | | | E 156/34 E 156p34 E 156i34 |
| | | | | | | | | E 156/36 E 156p36 E 156i36 |
| | | 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



1



2

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

Abb. 2 – UNI Mehrfach mit geteiltem Dickeinsatz für konfektionierte Kabel
Fig. 2 – UNI Multiple with split sealing insert for preassembled 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 entsprechendem 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 in den gängigen M-Gewinden und mit internationalen Sondergewinden wie NPT, CTG oder Zoll. Die Verschraubungskörper sind verfügbar in den Metallen Messing, Zink, Edelstahl, Aluminium und in den Kunststoffen PVDF und PA 6–3. Die Dichteinsätze fertigt PFLITSCH aus den hochwertigen Materialien TPE, TPE-V und Silikon (LSR). Diese thermoplastischen Elastomere (TPE + TPE-V) sind resistent gegen Chemikalien und sorgen für eine verbesserte Zugentlastung, da sie in Kontakt z. B. mit Schneidölen ihr Volumen leicht vergrößern. Darüber hinaus erfüllen die Verschraubungen serienmäßig hohe Schutzzonen bis zu IP 68 (bis 10 bar) bzw. IP 69K.

Einsatzbedingungen bestimmen die Ausstattung

Entsprechend der Einsatz-Anforderungen 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® fulfills 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 hose 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 – to meet their conditions of application, cable diameters, ambient temperatures, the number of cables, etc. This is individuality in serial quality!

UNI Dicht® comes in the current sizes Pg 7 to Pg 48, as well as in the well-established M threads and with international special threads such as NPT, CTG or inch. The system is available in the metals brass, zinc, stainless steel, aluminium and in the plastics PVDF and PA 6–3. PFLITSCH produces the sealing inserts from high-grade TPE, TPE-V and silicone (LSR). These thermoplastic elastomers (TPE + TPE-V) 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) respectively IP 69K as standard.

Conditions of application determine fitting

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 preassembled cables or the combination with hoses or corrugated pipes are simple to realise 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.



1



2

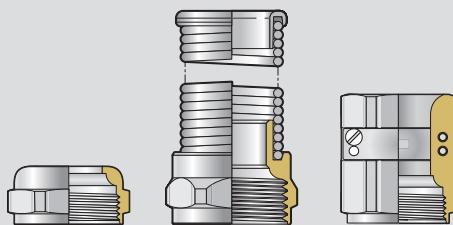
Abb. 1 – Kabelverschraubung mit geschlossenem Dichteinsatz
Fig. 1 – Cable gland with closed sealing insert

Abb. 2 – UNI Biegeschutz Dicht Kabelverschraubung
Fig. 2 – UNI Dicht® bending cable gland

Das PFLITSCH-System UNI Dicht® Pg Systemteile/Seitenübersicht

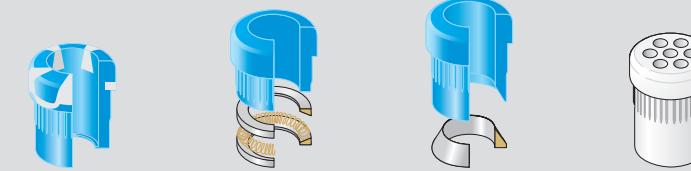
The PFLITSCH system
UNI Dicht® Pg
Partial overview/Page reference

DS = Druckschraube
DS = Pressure screw



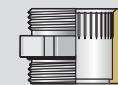
| Werkstoff Material | Standard Standard | UNI Flex UNI Flex | Klemm Increased strain relief |
|------------------------------|-------------------------------|-----------------------|----------------------------------|
| Messing Brass | Seite 156 Page 156 | Seite 196 Page 196 | Seite 191-192 Page 191-192 |
| Edelstahl Stainless steel | Seite 157-158 Page 157-158 | | |
| Polyamid Polyamide | Seite 159 Page 159 | | |
| PVDF PVDF | Seite 160-161 Page 160-161 | | |

E = Dichteinsatz
E = Sealing insert



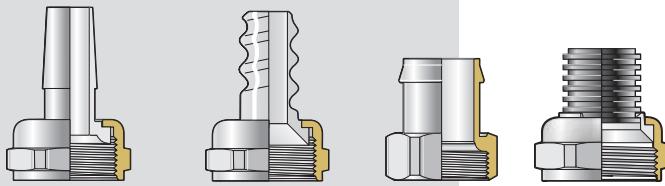
| Werkstoff Material | Standard Standard | Erweitert kurz Extended short | erhöhte Zugentlastung Increased strain relief | EMV HF EMC HF | EMV Konus EMC cone | Mehrfach Form N Multiple Form N |
|-----------------------|-------------------------------|----------------------------------|--|-------------------------------|-------------------------------|---------------------------------------|
| TPE TPE | Seite 156-161 Page 156-161 | Seite 164-166 Page 164-166 | Seite 188-190 Page 188-190 | Seite 255-257 Page 255-257 | Seite 248-249 Page 248-249 | Seite 170-175 Page 170-175 |
| TPE-V TPE-V | Seite 156-161 Page 156-161 | Seite 164-166 Page 164-166 | Seite 188-190 Page 188-190 | Seite 255-257 Page 255-257 | Seite 248-249 Page 248-249 | Seite 170-175 Page 170-175 |
| LSR LSR | Seite 156-161 Page 156-161 | Seite 164-166 Page 164-166 | | Seite 255-257 Page 255-257 | Seite 248 Page 248 | |

DN = Doppelnippel
DN = Double nipple

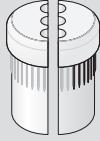
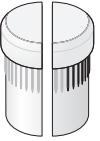


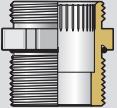
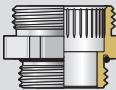
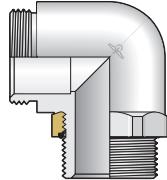
| Werkstoff Material | Gewindelänge Standard Standard thread length |
|------------------------------|---|
| Messing Brass | Seite 156 Page 156 |
| Edelstahl Stainless steel | Seite 157-158 Page 157-158 |
| Polyamid Polyamide | Seite 159 Page 159 |
| PVDF PVDF | Seite 160-161 Page 160-161 |
| Zink Zinc | |

DS & DN = VK (Verschraubungskörper)
DS & DN = VK (Gland body)



| | | | |
|--|-------------------------------|---------------------------------------|---|
| Glatte Schläuche dünnwandig Plain hose | UL-Schlauch UL-hose | Glatte Schläuche Plain hose | UNI Wellrohr UNI corrugated conduit |
| auf Anfrage on request | Seite 441 Page 441 | Seite 443-444 Page 443-444 | Seite 440 Page 440 |
| auf Anfrage on request | | | |
| auf Anfrage on request | | Seite 445 Page 445 | |
| auf Anfrage on request | Seite 442 Page 442 | | auf Anfrage on request |

| | | | | | | | |
|--|--|--|--|--|---|--|---|
|  |  |  |  |  |  |  |  |
| Mehrfach Form E Multiple Form E | Mehrfach geteilt Multiple split version | Geschlossen Closed | Geschlossen – geteilt Closed – split version | Flachkabel Flat cable | Buskabel ASi Bus cable ASi | Biegeschutz Bending protection | Biegeschutz/erhöhte Zugentlastung Bending protection incl. strain relief |
| Seite 170-175 Page 170-175 | Seite 176 Page 176 | Seite 176 Page 176 | Seite 177-178 Page 177-178 | Seite 177-178 Page 177-178 | Seite 181-185 Page 181-185 | Seite 179-180 Page 179-180 | Seite 193-195 Page 193-195 |
| Seite 170-175 Page 170-175 | Seite 177-178 Page 177-178 | Seite 176 Page 176 | Seite 177-178 Page 177-178 | Seite 181-185 Page 181-185 | Seite 179-180 Page 179-180 | Seite 193-195 Page 193-195 | Seite 197-199 Page 197-199 |

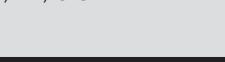
| | | |
|---|---|---|
|  |  |  |
| Gewindelänge lang Long thread length | Form E erweitert Form E extended | Winkel Angle 90° |
| Seite 156 Page 156 | Seite 164 Page 164 | |
| Seite 157-158 Page 157-158 | | Seite 414-415,417 Page 414-415,417 |
| auf Anfrage on request | Seite 165 Page 165 | Seite 411-413,416 Page 411-413,416 |
| | Seite 166 Page 166 | |

Das PFLITSCH-System UNI Dicht[®] Pg Aufbau der Artikelnummern

*The PFLITSCH system
UNI Dicht[®] Pg
Article number structure*

Anschluss- gewinde: *Connection thread:*

| | |
|--|------|
| 49 = Pg | 7 |
| 50 = Pg | 9 |
| 51 = Pg | 11 |
| 52 = Pg | 13,5 |
| 1 = Pg | 16 |
| 1 = Pg | 21 |
| weitere Gewinde Pg, Zoll, NPT, CTG <i>further threads Pg, inch, NPT, CTG</i> | 29 |
| | 36 |
| | 42 |
| | 48 |



1 50 un p z 11

Gewindeart
Type of thread

Anschlussgewinde Pg
Connection thread Pg

Werkstoff = VK & Farbe
Material = gland body & colour

Werkstoff = Dichtungen
Material = sealing insert

Funktion
Function

Dichtbereich
Sealing range

Werkstoffe

Verschraubungskörper:

Materials gland body:

- d = Ms, vernickelt
brass, nickel plated
- st = VA (1.4305)
AISI 303
- u = PA-6-3 Farbe grau
colour grey
- un = PA-6-3 Farbe schwarz
colour black
- w = PA-6-3 Winkel 90°
angle 90°
- y = PVDF Farbe transparent
colour transparent
- ya = PVDF Farbe blau
colour blue
- yn = PVDF Farbe schwarz
colour black
- VW = Zink Winkel 90°
Zinc angle 90°

Werkstoffe Dichtungen:

*Materials
sealing inserts:*

- = TPE
- p = TPE-V
- i = LSR

Funktion:

Function:

- = Standard-Dichteinsatz
Standard sealing insert
- z = Zug
Strain relief
- e = Entstör
Interference suppression
- ez = Entstör & Zug
Interference suppression & strain relief
- L = Biegeschutz
Bending protection
- Lz = Biege & Zug
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 |

Das PFLITSCH-System UNI Dicht® – Komponenten

The PFLITSCH system
UNI Dicht® –
Components

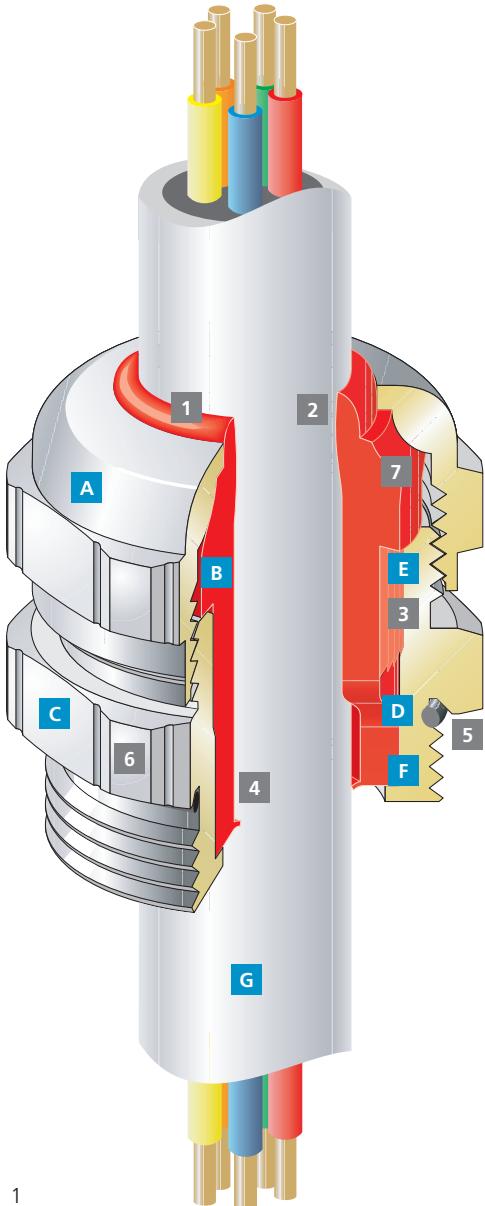


Abb. 1 – Querschnitt einer UNI Dicht®-Kabelverschraubung
Fig. 1 – Cross section of a UNI Dicht® cable gland

Komponenten:

Components:

- A** Druckschraube (DS)
Pressure screw (DS)
 - Messing, galv. vernickelt
 - Brass, galv. nickel plated
 - Edelstahl (1.4305)
 - Stainless steel (AISI 303)
 - Edelstahl (1.4571)
 - Stainless steel (AISI 316 Ti)
 - Polyamid (PA)
 - Polyamide (PA)
 - PVDF
 - PVDF
- B** Dichteinsatz (E)
Sealing insert (E)
 - TPE
 - TPE
 - TPE-V
 - TPE-V
 - Silikon
 - Silicone
- C** Doppelnippel (DN)
Double nipple (DN)
 - Messing, galv. vernickelt
 - Brass, galv. nickel plated
 - Edelstahl (1.4305)
 - Stainless steel (AISI 303)
 - Edelstahl (1.4571)
 - Stainless steel (AISI 316 Ti)
 - Polyamid (PA)
 - Polyamide (PA)
 - PVDF
 - PVDF
- D** O-Ring
O-ring
 - bei metallischen DN
with metallic DN
 - Kautschuk (NBR)
 - Rubber (NBR)
 - 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

- kein Kitt notwendig
 - no putty needed

- 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

- radial-symmetrically soft cable pressing
 - großflächige Zugentlastung
 - large-area strain relief
 - keine Beschädigung des Kabels
 - no damage to the cable

- 3** - Verdrehschutz durch Rändelung am Doppelnippel (DN) und Dichteteinsatz (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 Dichteteinsatz ohne Anziehen der Druckschraube (DS)

- IP 54 through diaphragms on the sealing insert without the pressure screw (DS) tightened up

- 5** - nutgeföhrter 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 trade mark*

- 7** - Farbcodierung der TPE-Dichteteinsätze (E), dadurch direkte Zuordnung und Überprüfung der Dichteteinsätze 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)/TPE-Dichteteinsätze
UNI colour code (CC)/TPE sealing inserts

| Farbcode FC Colour code CC | Dichtbereich Sealing range max./min. Ø | Anschlussgewinde Connection thread |
|-------------------------------|--|--|
| gelb yellow | (ge) 6,5 – 4,0 | M10, M12, M16, M20, M25 Pg 7, Pg 9, Pg 11, Pg 13,5, Pg 16 |
| grau grey | (gu) 8,0 – 5,0 | M12, M16, M20, M25 Pg 9, Pg 11, Pg 13,5, Pg 16 |
| schwarz black | (sw) 9,5 – 6,5 | M12, M16, M20, M25 Pg 9, Pg 11, Pg 13,5, Pg 16 |
| grün green | (gr) 10,5 – 7,0 | M16, M20, M25, M32 Pg 11, Pg 13,5, Pg 16, Pg 21 |
| rot red | (rt) 13,0 – 9,0 | M16, M20, M25, M32 Pg 9, Pg 13,5, Pg 16, Pg 21 |
| weiß white | (ws) 15,5 – 11,5 | M20, M25, M32, M40 Pg 16, Pg 21, Pg 29 |
| blau blue | (bl) 18,0 – 14,0 | M20, M25, M32, M40 |
| braun brown | (br) 20,5 – 17,0 | M20, M25, M32, M40 Pg 13,5, Pg 16, Pg 21, Pg 29 |
| orange orange | (or) 25,0 – 20,0 | M32, M40 Pg 16, Pg 21, Pg 29 |
| hellgelb light yellow | (hg) 28,0 – 24,0 | M32, M40 Pg 16, Pg 21, Pg 29 |
| anthrazit anthracite | (an) 32,0 – 27,0 | M32, M40, M50 Pg 21, Pg 29, Pg 36 |
| hellblau light blue | (hb) 34,0 – 29,0 | M32, M40, M50 Pg 21, Pg 29, Pg 36 |
| rosa pink | (rs) 36,0 – 32,0 | M32, M40, M50 Pg 21, Pg 29, Pg 36 |
| weiß white | (ws) 40,0 – 36,0 | M50 Pg 36, Pg 42 |
| weiß white | (ws) 44,0 – 39,0 | M63 Pg 48 |

U2. UNI Dicht® Pg-Kabelverschraubung
U2. UNI Dicht® Pg cable gland

Abb. 1
Fig. 1

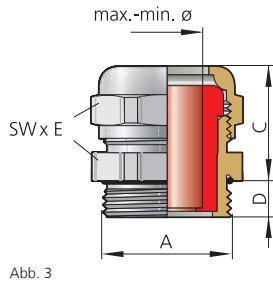
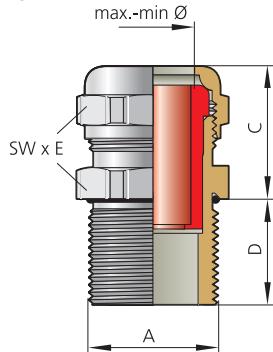
Abb. 2
Fig. 2

Messing vernickelt
Pg-Anschlussgewinde
Schutzart IP 68 bis 10 bar

*Brass nickel plated
Pg connection thread
Type of protection IP 68 up to 10 bar*


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

| Werkstoff Verschraubungskörper <i>Material gland body</i> | Ausführung/Farbe <i>Version/colour</i> | Werkstoff Dickeinsatz <i>Material sealing insert</i> | Farbe <i>Colour</i> | Bestellschlüssel <i>Art. no. supplement</i> | Temperaturbereich min./max. <i>Temperature range min./max.</i> |
|---|--|--|-------------------------------|---|--|
| Messing <i>Brass</i> | vernickelt <i>nickel plated</i> | TPE | s. FC s. CC | d | -40 °C / +130 °C |
| Messing <i>Brass</i> | vernickelt <i>nickel plated</i> | TPE-V | natur <i>natural</i> | p | -40 °C / +135 °C |
| Messing <i>Brass</i> | vernickelt <i>nickel plated</i> | LSR | transparent | i | -60 °C / +200 °C |


Abb. 3
Fig. 3

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

| Anschlussgewinde/-länge <i>Connection thread/length</i> | Art.-Nr. <i>Art. no.</i> | Ausführung bitte ergänzen <i>Indicate product details</i> | | | Dichtbereich <i>Sealing range</i> | Bauhöhe <i>Mounting height</i> | Schlüsselweite <i>Spanner width</i> | |
|---|------------------------------------|--|--------------------------|------------------------------|---|--|---|---------------------------------|
| | | TPE <i>TPE</i> | = d <i>= d</i> | TPE-V <i>TPE-V</i> | = p <i>= p</i> | LSR <i>LSR</i> | = i <i>= i</i> | max./min. Ø <i>mm</i> |
| 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 |
| | | 153 | 16 | 15,5 – 11,5 | | 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 |

* Dickeinsatz aus LSR nicht lieferbar
* Sealing insert LSR not available



Passende Gegenmuttern ab Seite 458
Corresponding lock nuts see page 458

U28. UNI Dicht® Pg-Kabelverschraubung

U28. UNI Dicht® Pg cable gland


 Abb. 1
Fig. 1

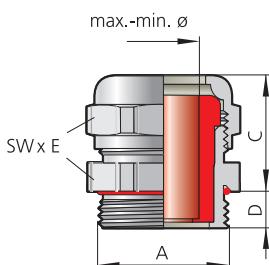
 Abb. 2
Fig. 2

Edelstahl 1.4305
Pg-Anschlussgewinde
Schutzart IP 68 bis 10 bar

 Stainless steel AISI 303
 Pg connection thread
 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 Material gland body | Ausführung/Farbe Version/colour | Werkstoff Dichteinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|------------------|---|--|
| VA 1.4305 AISI 303 | blank | TPE | s. FC s. CC | | -40 °C / +130 °C |
| VA 1.4305 AISI 303 | blank | TPE-V | natur natural | p | -40 °C / +135 °C |
| VA 1.4305 AISI 303 | blank | LSR | transparent | i | -60 °C / +200 °C |


 Abb. 3
Fig. 3

| Anschlussgewinde/-länge Connection thread/length | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | | | Dichtbereich Sealing range | Bauhöhe Mounting height | Schlüsselweite Spanner width |
|---|----------------------|---|---------|---------------------|-------------------------------|----------------------------|---------------------------------|
| | | A | D mm | TPE TPE-V LSR | = = p = i | C mm | SW x E 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 |

13700 | IT00410


Passende Gegenmuttern ab Seite 458
 Corresponding lock nuts see page 458

U28. UNI Dicht® Pg-Kabelverschraubung

U28. UNI Dicht® Pg cable gland

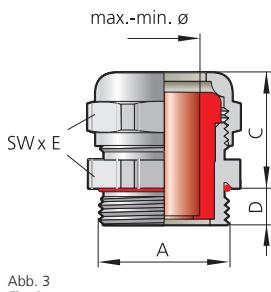

 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

Edelstahl 1.4571
Pg-Anschlussgewinde
Schutzart IP 68 bis 10 bar
Stainless steel AISI 316Ti
Pg connection thread
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 Material gland body | Ausführung/Farbe Version/colour | Werkstoff Dickeinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|--|------------------|---|--|
| VA 1.4571 AISI 316Ti | blank | TPE | s. FC s. CC | | -40 °C / +130 °C |
| VA 1.4571 AISI 316Ti | blank | TPE-V | natur natural | p | -40 °C / +135 °C |
| VA 1.4571 AISI 316Ti | blank | LSR | transparent | i | -60 °C / +200 °C |


 Abb. 3
Fig. 3

| Anschlussgewinde/-länge Connection thread/length | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | | | Dichtbereich Sealing range | Bauhöhe Mounting height | Schlüsselweite Spanner width |
|---|----------------------|---|---------|---------------------|-------------------------------|----------------------------|---------------------------------|
| | | A | D mm | TPE TPE-V LSR | = = p = i | max./min. ø mm | C mm |
| 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 |
| Pg 11 | 6,0 | 151st | 9 V4A | 9,5 – 6,5 | 20,0 | 17x18,9 | 50 |
| | | 151st | 7 V4A | 6,5 – 4,0 | 20,0 | 22x24,4 | 50 |
| | | 151st | 8 V4A | 8,0 – 5,0 | 20,0 | 22x24,4 | 50 |
| | | 151st | 9 V4A | 9,5 – 6,5 | 20,0 | 22x24,4 | 50 |
| Pg 13,5 | 6,5 | 152st | 11V4A | 10,5 – 7,0 | 20,0 | 22x24,4 | 50 |
| | | 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 |
| Pg 16 | 6,5 | 152st | 13V4A | 13,0 – 9,0 | 21,0 | 22x24,4 | 50 |
| | | 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 | 153st | 16V4A | 15,5 – 11,5 | 21,0 | 24x26,7 | 50 |
| | | 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 |
| | | 155st | 28V4A | 28,0 – 24,0 | 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 |

i Passende Gegenmuttern ab Seite 458
 Corresponding lock nuts see page 458

U12. UNI Dicht® Pg-Kabelverschraubung

U12. UNI Dicht® Pg cable gland


 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

PA 6-3, Farbe: grau (RAL 7032), schwarz (RAL 9005)

 Pg-Anschlussgewinde
Schutzart IP 68 bis 10 bar

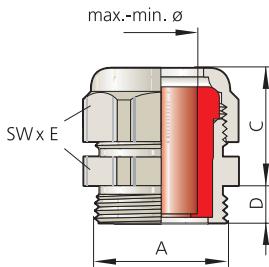
PA 6-3, colour: grey (RAL 7032), black (RAL 9005)

Pg connection thread

Type of protection IP 68 up to 10 bar


 Passende Gegenmuttern ab Seite 458
Corresponding lock nuts see page 458

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteneinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|---|------------------|---|--|
| PA 6-3 | grau grey | u | TPE | s. FC s. CC | | -20 °C / +100 °C |
| PA 6-3 | grau grey | u | TPE-V | natur natural | p | -20 °C / +100 °C |
| PA 6-3 | grau grey | u | LSR | transparent | i | -20 °C / +100 °C |
| PA 6-3 | schwarz black | n | TPE | s. FC s. CC | | -20 °C / +100 °C |
| PA 6-3 | schwarz black | n | TPE-V | natur natural | p | -20 °C / +100 °C |
| PA 6-3 | schwarz black | n | LSR | transparent | i | -20 °C / +100 °C |


 Abb. 3
Fig. 3

| Anschlussgewinde/-länge Connection thread/length | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | | | | Dichtbereich Sealing range | Bauhöhe Mounting height | Schlüsselweite Spanner width |
|---|----------------------|---|---------|----------------------------|-----------------------|-------------------------------|----------------------------|---------------------------------|
| | | A | D mm | grau/grey schwarz/black | = u = p = n = i | = TPE = TPE-V = LSR | | |
| 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 |

 * Dichteneinsatz aus LSR nicht lieferbar
* Sealing insert LSR not available

U19. UNI Dicht® Pg-Kabelverschraubung

U19. UNI Dicht® Pg cable gland


 Abb. 1
Fig. 1

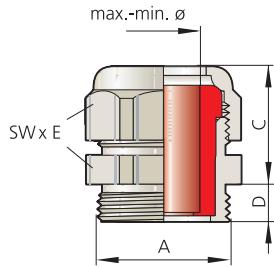
 Abb. 2
Fig. 2

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

PVDF, colour: transparent, blue (RAL 5015), black (RAL 9005)
Pg connection thread
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 Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichtteinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|--|------------------|---|--|
| PVDF | transparent | | TPE | s. FC s. CC | | -40 °C / +130 °C |
| PVDF | transparent | | TPE-V | natur natural | p | -40 °C / +135 °C |
| PVDF | transparent | | LSR | transparent | i | -40 °C / +150 °C |
| PVDF | blau blue | a | TPE | s. FC s. CC | | -40 °C / +130 °C |
| PVDF | blau blue | a | TPE-V | natur natural | p | -40 °C / +135 °C |
| PVDF | blau blue | a | LSR | transparent | i | -40 °C / +150 °C |
| PVDF | schwarz black | n | TPE | s. FC s. CC | | -40 °C / +130 °C |
| PVDF | schwarz black | n | TPE-V | natur natural | p | -40 °C / +135 °C |
| PVDF | schwarz black | n | LSR | transparent | i | -40 °C / +150 °C |


 Abb. 3
Fig. 3

| Anschlussgewinde/-länge Connection thread/length | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | | | Dichtbereich Sealing range | Bauhöhe Mounting height | Schlüsselweite Spanner width |
|---|----------------------|---|---------|---|-------------------------------|----------------------------|---------------------------------|
| | | A | D mm | transparent blau/blue schwarz/black | = = a p = = n i = | TPE = TPE-V = LSR | |
| Pg 7 | 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 |
| | | 150y | 9 | 9,5 – 6,5 | 24,0 | 19x21,2 | 50 |
| Pg 11 | 8,0 | 151y | 7 | 6,5 – 4,0 | 24,0 | 22x24,4 | 50 |
| | | 151y | 8 | 8,0 – 5,0 | 24,0 | 22x24,4 | 50 |
| | | 151y | 9 | 9,5 – 6,5 | 24,0 | 22x24,4 | 50 |
| | | 151y | 11 | 10,5 – 7,0 | 24,0 | 22x24,4 | 50 |
| Pg 13,5 | 9,0 | 152y | 7 | 6,5 – 4,0 | 26,0 | 24x26,5 | 50 |
| | | 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 |
| | | 152y | 13 | 13,0 – 9,0 | 26,0 | 24x26,5 | 50 |
| Pg 16 | 9,0 | 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 |
| Pg 21 | 11,0 | 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 |
| Pg 29 | 10,5 | 155y | 13 * | 13,0 – 9,0 | 33,0 | 43x46,5 | 10 |

* Dichteinsatz aus LSR nicht lieferbar
 * Sealing insert LSR not available

Fortsetzung auf der nächsten Seite
 Continued on next page

U19. UNI Dicht® Pg-Kabelverschraubung

U19. UNI Dicht® Pg cable gland

 Fortsetzung von vorheriger Seite
 Continued from previous page

| | | Anschlussgewinde/-länge | Art.-Nr. | Dichtbereich | Bauhöhe | Schlüsselweite |
|---|---------|---|---------------------|---------------------------|-------------------|----------------|
| | | Connection thread/length | Art. no. | Sealing range | Mounting height | Spanner width |
| Ausführung bitte ergänzen Indicate product details | | | | | | |
| A | D mm | transparent schwarz/black blau/blue | = = n p = a i | = TPE = TPE-V = LSR | max./min. ø mm | C mm |
| Pg 29 | 10,5 | 155y | 16 | 15,5 – 11,5 | 33,0 | 43x46,5 |
| | | 155y | 18 | 18,0 – 14,0 | 33,0 | 43x46,5 |
| | | 155y | 20 | 20,5 – 17,0 | 33,0 | 43x46,5 |
| | | 155y | 25 | 25,0 – 20,0 | 33,0 | 43x46,5 |
| | | 155y | 28 | 28,0 – 24,0 | 33,0 | 43x46,5 |
| Pg 36 | 13,0 | 156y | 32 | 32,0 – 27,0 | 34,0 | 53x57 |
| | | 156y | 34 | 34,0 – 29,0 | 34,0 | 53x57 |
| | | 156y | 36 | 36,0 – 32,0 | 34,0 | 53x57 |
| Pg 42 | 13,0 | 157y | 36 * ** | 36,0 – 32,0 | 38,0 | 60x65 |
| | | 157y | 40 * ** | 40,0 – 36,0 | 38,0 | 60x65 |
| Pg 48 | 14,0 | 158y | 44 * ** | 44,0 – 39,0 | 41,0 | 65x70 |

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

14000 | TT00510

UNI Dicht® Erweitert – Pg

UNI Dicht® Extended – Pg

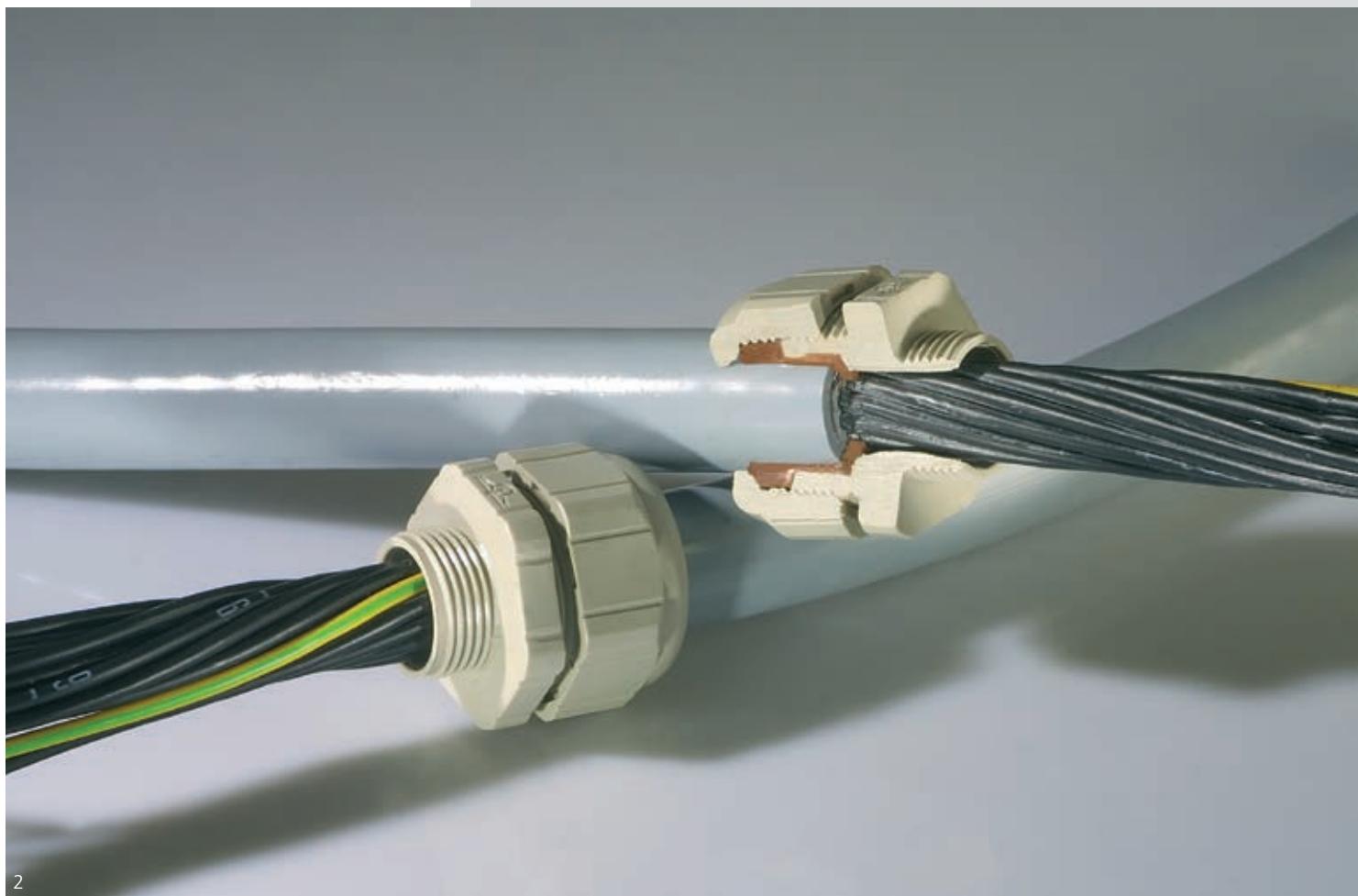
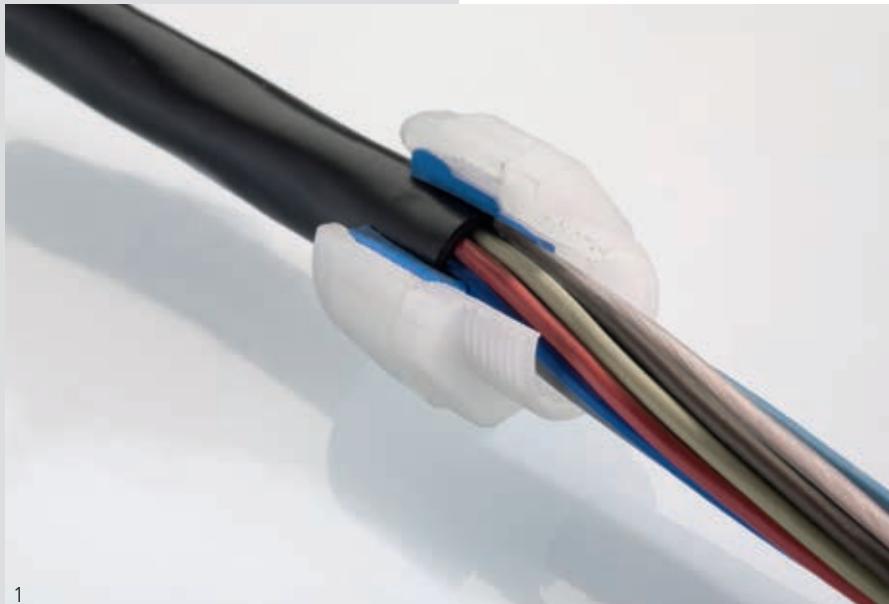


Abb. 1 – UNI Dicht® Erweitert Messing
Fig. 1 – UNI Dicht® Extended brass

Abb. 2 – UNI Dicht® Erweitert PA
Fig. 2 – UNI Dicht® Extended PA



1

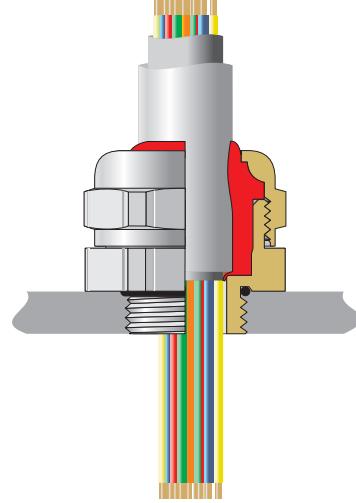
2

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 Kabel-verschraubung 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.



3

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

U2. UNI Dicht® Erweitert – Pg
U2. UNI Dicht® Extended – Pg

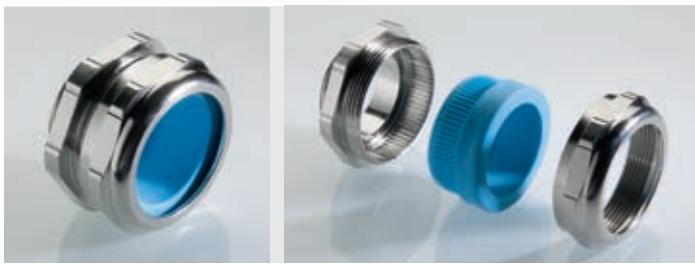


Abb. 1
Fig. 1

Abb. 2
Fig. 2

Messing vernickelt
Pg-Anschlussgewinde
Schutzart IP 68 bis 10 bar

Brass nickel plated
Pg connection thread
Type of protection IP 68 up to 10 bar



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

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Werkstoff Dichteinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|------------------|---|--|
| Messing Brass | vernickelt nickel plated | TPE | s. FC s. CC | d | -40 °C / +130 °C |
| Messing Brass | vernickelt nickel plated | TPE-V | natur natural | p | -40 °C / +135 °C |
| Messing Brass | vernickelt nickel plated | LSR | transparent | i | -60 °C / +200 °C |

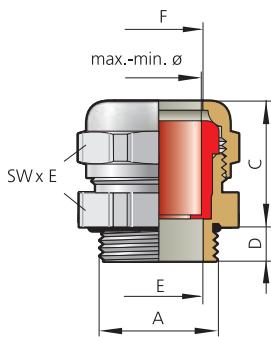


Abb. 3
Fig. 3

| Anschlussgewinde/ -länge Connection thread/length | Art.-Nr. Art. no. | Dichtbereich Sealing range | | Innendurch- messer Inner diameter | Durchlass Druck- schraube max. Opening pressure screw max. | Bauhöhe Mounting height | Schlüssel- weite Spanner width | |
|---|----------------------|-------------------------------|----------------|---|--|----------------------------|--------------------------------------|------------|
| | | Sealing range | Inner diameter | | | | | |
| Pg 7 | 5,0 | 14950 | d | 8 | 8,0 – 5,0 9,0 | 10,0 | 20,0 | 17x18,9 50 |
| | | 14950 | p | 9 | 9,5 – 6,5 9,0 | 10,0 | 20,0 | 17x18,9 50 |
| Pg 7 | 5,5 | 14951 | i | 11 | 10,5 – 7,0 9,0 | 11,5 | 21,0 | 20x22,2 50 |
| Pg 9 | 6,0 | 15051 | 11 | 10,5 – 7,0 12,0 | 11,5 | 21,0 | 20x22,2 50 | |
| | | 15052 | 13 | 13,0 – 9,0 12,0 | 13,5 | 21,0 | 22x24,4 50 | |
| Pg 11 | 6,0 | 15152 | 13 | 13,0 – 9,0 13,5 | 13,5 | 21,0 | 22x24,4 50 | |
| | | 15153 | 16 | 15,5 – 11,5 14,0 | 16,0 | 21,0 | 24x26,7 50 | |
| Pg 13,5 | 6,5 | 15253 | 16 | 15,5 – 11,5 17,0 | 16,0 | 21,0 | 24x26,7 50 | |
| | | 15254 | 18 | 18,0 – 14,0 17,0 | 18,5 | 25,0 | 30x33,5 25 | |
| | | 15254 | 20 | 20,5 – 17,0 17,0 | 21,0 | 25,0 | 30x33,5 25 | |
| Pg 16 | 6,5 | 15354 | 18 | 18,0 – 14,0 18,5 | 18,5 | 24,0 | 30x33,5 25 | |
| | | 15354 | 20 | 20,5 – 17,0 18,5 | 21,0 | 24,0 | 30x33,5 25 | |
| | | 15355 | 28 | 28,0 – 24,0 18,5 | 29,0 | 27,0 | 40x43,5 25 | |
| Pg 21 | 7,0 | 15455 | 25 | 25,0 – 20,0 24,0 | 29,0 | 27,0 | 40x43,5 10 | |
| | | 15455 | 28 | 28,0 – 24,0 24,0 | 29,0 | 27,0 | 40x43,5 10 | |
| | | 15456 | 32 | 32,0 – 27,0 24,0 | 38,0 | 28,0 | 50x54 5 | |
| | | 15456 | 34 | 34,0 – 29,0 24,0 | 38,0 | 28,0 | 50x54 5 | |
| Pg 29 | 8,0 | 15556 | 32 | 32,0 – 27,0 32,0 | 38,0 | 28,0 | 50x54 5 | |
| | | 15556 | 34 | 34,0 – 29,0 32,0 | 38,0 | 28,0 | 50x54 5 | |
| | | 15556 | 36 | 36,0 – 32,0 32,0 | 38,0 | 28,0 | 50x54 5 | |
| Pg 36 | 9,0 | 15657 | 38 * | 38,0 – 33,0 42,0 | 42,0 | 30,0 | 57x61,5 5 | |
| | | 15657 | 40 * | 40,0 – 36,0 42,0 | 42,0 | 30,0 | 57x61,5 5 | |
| Pg 48 | 10,0 | 158212 | 47 * | 47,0 – 42,0 52,3 | 59,5 | 45,0 | 81x87 1 | |
| | | 158212 | 52 * | 52,0 – 45,0 52,3 | 59,5 | 45,0 | 81x87 1 | |
| | | 158212 | 55 * | 55,0 – 51,0 52,3 | 59,5 | 45,0 | 81x87 1 | |
| | | 158212 | 58 * | 58,0 – 54,0 52,3 | 59,5 | 45,0 | 81x87 1 | |
| | | 158300 | 64 * | 64,0 – 58,0 52,3 | 72,5 | 45,0 | 95x102 1 | |
| | | 158300 | 70 * | 70,0 – 63,0 52,3 | 72,5 | 45,0 | 95x102 1 | |

* Dichteinsatz aus LSR nicht lieferbar
* Sealing insert LSR not available



Passende Gegenmuttern ab Seite 458
Corresponding lock nuts see page 458

U14. UNI Dicht® Erweitert – Pg

U14. UNI Dicht® Extended – Pg


 Abb. 1
Fig. 1

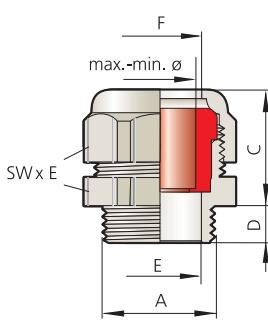
 Abb. 2
Fig. 2

PA 6-3. Farbe grau (RAL 7032), schwarz (RAL 9005)
Pg-Anschlussgewinde
Schutzart IP 68 bis 10 bar

PA 6-3, colour: grey (RAL 7032), black (RAL 9005)

Pg connection thread

Type of protection IP 68 up to 10 bar


 Abb. 3
Fig. 3

| 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. |
| PA 6-3 | grau grey | u | TPE | s. FC s. CC | | -20 °C / +100 °C |
| PA 6-3 | grau grey | u | TPE-V | natur natural | p | -20 °C / +100 °C |
| PA 6-3 | grau grey | u | LSR | transparent | i | -20 °C / +100 °C |
| PA 6-3 | schwarz black | n | TPE | s. FC s. CC | | -20 °C / +100 °C |
| PA 6-3 | schwarz black | n | TPE-V | natur natural | p | -20 °C / +100 °C |
| PA 6-3 | schwarz black | n | LSR | transparent | i | -20 °C / +100 °C |

| Anschlussgewinde/ -länge | Art.-Nr. | Dichtbereich | | Innendurch- messer | Durchlass Druckschraube max. | Bauhöhe | Schlüssel- weite |
|---|----------|------------------------------|--------------|-----------------------|------------------------------------|-----------------------------------|---------------------|
| | | Connection thread/ length | Art. no. | Sealing range | Inner diameter | Opening pressure screw max. | Mounting height |
| Ausführung bitte ergänzen Indicate product details | | | | | | | |
| A | D | graugrey = u | = p = TPE | max./min. ø | E | F | C |
| | mm | schwarz/black = n | i = TPE-V | mm | mm | mm | mm |
| Pg 7 | 8,0 | 14950 | 8 | 8,0 – 5,0 | 8,5 | 10,0 | 22,0 |
| | | 14950 | 9 | 9,5 – 6,5 | 8,5 | 10,0 | 22,0 |
| Pg 9 | 8,0 | 15051 | 11 | 10,5 – 7,0 | 11,5 | 11,0 | 23,0 |
| Pg 11 | 8,0 | 15152 | 13 | 13,0 – 9,0 | 14,5 | 13,0 | 24,0 |
| Pg 13,5 | 8,5 | 15253 | 16 | 15,5 – 11,5 | 16,4 | 16,0 | 24,0 |
| Pg 13,5 | 9,0 | 15254 | 18 | 18,0 – 14,0 | 16,4 | 21,0 | 29,0 |
| | | 15254 | 20 | 20,5 – 17,0 | 16,4 | 21,0 | 29,0 |
| Pg 16 | 9,0 | 15354 | 18 | 18,0 – 14,0 | 17,2 | 21,0 | 33x36,5 |
| | | 15354 | 20 | 20,5 – 17,0 | 17,2 | 21,0 | 33x36,5 |
| Pg 21 | 11,0 | 15455 | 25 | 25,0 – 20,0 | 23,0 | 28,0 | 34,0 |
| | | 15455 | 28 | 28,0 – 24,0 | 23,0 | 28,0 | 43x46,5 |
| Pg 29 | 11,0 | 15556 | 32 | 32,0 – 27,0 | 31,5 | 37,0 | 35,0 |
| | | 15556 | 34 | 34,0 – 29,0 | 31,5 | 37,0 | 53x57 |
| | | 15556 | 36 | 36,0 – 32,0 | 31,5 | 37,0 | 35,0 |

14200 | TT00530

Passende Gegenmuttern ab Seite 458
Corresponding lock nuts see page 458

U19. UNI Dicht® Erweitert – Pg
 U19. UNI Dicht® Extended – Pg

 RoHS

 Abb. 1
 Fig. 1

 Abb. 2
 Fig. 2

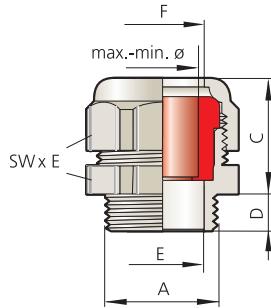
PVDF, Farbe: transparent, blau (RAL 5015), schwarz (RAL 9005)
Pg-Anschlussgewinde
Schutzart IP 68 bis 10 bar

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



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

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteneinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|---|------------------|---|--|
| PVDF | transparent | | TPE | s. FC s. CC | | -40 °C / +130 °C |
| PVDF | transparent | | TPE-V | natur natural | p | -40 °C / +135 °C |
| PVDF | transparent | | LSR | transparent | i | -40 °C / +150 °C |
| PVDF | blau blue | a | TPE | s. FC s. CC | | -40 °C / +130 °C |
| PVDF | blau blue | a | TPE-V | natur natural | p | -40 °C / +135 °C |
| PVDF | blau blue | a | LSR | transparent | i | -40 °C / +150 °C |
| PVDF | schwarz black | n | TPE | s. FC s. CC | | -40 °C / +130 °C |
| PVDF | schwarz black | n | TPE-V | natur natural | p | -40 °C / +135 °C |
| PVDF | schwarz black | n | LSR | transparent | i | -40 °C / +150 °C |


 Abb. 3
 Fig. 3

| Anschlussgewinde/-länge Connection thread/length | | Art.-Nr. Art. no. | Dichtbereich Sealing range | Innendurchmesser Inner diameter | Durchlass Druckschraube max. Opening pressureMounting screw max. | Bauhöhe Mounting height | Schlüsselweite Spanner width |
|---|----|----------------------|-------------------------------|------------------------------------|---|----------------------------|---------------------------------|
| A | D | | | E | F | C | SW x E |
| mm | mm | | | mm | mm | mm | mm |
| Ausführung bitte ergänzen Indicate product details | | | | | | | |
| | | | transparent = TPE | | | | |
| | | | blau/blue = a p = TPE-V | | | | |
| | | | schwarz/black = n i = LSR | | | | |
| Pg 7 | | 14950y | 8 | 8,0 – 5,0 | 8,5 | 10,0 | 23,0 |
| | | 14950y | 9 | 9,5 – 6,5 | 8,5 | 10,0 | 23,0 |
| Pg 9 | | 15051y | 11 | 10,5 – 7,0 | 11,5 | 11,0 | 23,0 |
| Pg 9 | | 15052y | 13 | 13,0 – 9,0 | 11,5 | 13,0 | 26,0 |
| Pg 11 | | 15152y | 13 | 13,0 – 9,0 | 14,2 | 13,0 | 26,0 |
| Pg 11 | | 15153y | 16 | 15,5 – 11,5 | 14,2 | 16,0 | 27,0 |
| Pg 13,5 | | 15253y | 16 | 15,5 – 11,5 | 16,4 | 16,0 | 27,0 |
| Pg 13,5 | | 15254y | 18 | 18,0 – 14,0 | 16,4 | 21,0 | 30,0 |
| | | 15254y | 20 | 20,5 – 17,0 | 16,4 | 21,0 | 30,0 |
| Pg 16 | | 15354y | 18 | 18,0 – 14,0 | 17,2 | 21,0 | 30,0 |
| | | 15354y | 20 | 20,5 – 17,0 | 17,2 | 21,0 | 30,0 |
| Pg 16 | | 15355y | 25 | 25,0 – 20,0 | 22,0 | 28,0 | 32,0 |
| | | 15355y | 28 | 28,0 – 24,0 | 22,0 | 28,0 | 32,0 |
| Pg 21 | | 15456y | 32 | 32,0 – 27,0 | 28,0 | 37,0 | 35,0 |
| | | 15456y | 34 | 34,0 – 29,0 | 28,0 | 37,0 | 35,0 |
| | | 15456y | 36 | 36,0 – 32,0 | 28,0 | 37,0 | 35,0 |
| Pg 21 | | 15455y | 25 | 25,0 – 20,0 | 23,0 | 28,0 | 33,0 |
| | | 15455y | 28 | 28,0 – 24,0 | 23,0 | 28,0 | 33,0 |
| Pg 29 | | 15556y | 32 | 32,0 – 27,0 | 31,5 | 37,0 | 35,0 |
| | | 15556y | 34 | 34,0 – 29,0 | 31,5 | 37,0 | 35,0 |
| | | 15556y | 36 | 36,0 – 32,0 | 31,5 | 37,0 | 35,0 |

UNI Mehrfach – Pg

UNI Multiple – Pg



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-Dichteteilsätze 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 zum Loch kleiner 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, replace the standard sealing insert with types from the UNI Multiple range. A number of hole patterns is available, so that a variety of cable diameters can also be sealed. Here UNI Multiple attains protection class IP 65, when the difference between the cable diameter and breakthrough is less than 10 %. Should they 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 their 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, customers can provide closed sealing inserts with a slowly running drill with perforations. 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

U7. UNI Mehrfach Pg-Kabelverschraubung
U7. UNI Multiple Pg cable gland

 Abb. 1
 Fig. 1

 Abb. 2
 Fig. 2

Messing vernickelt, Edelstahl 1.4305, PA 6-3, PVDF
Pg-Anschlussgewinde
Schutzart IP 65
Schutzart IP 68 bis 10 bar, wenn Kabel-Ø = Loch-Ø

Brass nickel plated, stainless steel AISI 303, PA 6-3, PVDF

Pg connection thread

Type of protection IP 65

Type of protection IP 68 up to 10 bar, reachable if cable Ø = hole Ø

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteneinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. 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 |
| PA 6-3 | grau grey | u | TPE | weiß white | | -20 °C / +100 °C |
| PA 6-3 | grau grey | u | 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 |

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

| | | Ausführung bitte ergänzen Indicate product details | |
|------|---|---|---------------|
| | | Messing/Brass | = |
| | A | VA 1.4305/AISI 303 | = st |
| | | PA 6-3 | = u |
| | | PVDF | = y p |
| | | | = TPE |
| | | | = TPE-V |
| Pg 7 | | 149 | m1x3 |
| | | 149 | m1x4 |
| | | 149 | m1x5 |
| | | 149 | m2x1,4 |
| | | 149 | m4x1,7 |
| | | 14950 | m1x5 * |
| | | 14950 | m2x3 * |
| | | 14950 | m2x4 * |
| | | 14950 | m3x3 * |
| Pg 9 | | 150 | m1x1,5S/1x4 |
| | | 150 | m1x3 |
| | | 150 | m1x4 |
| | | 150 | m1x5 |
| | | 150 | m2x1,2 |
| | | 150 | m2x3 |
| | | 150 | m2x4 |
| | | 150 | m3x3 |
| | | 150 | m3x3,5 |
| | | 150 | m4x1,4 |
| | | 150 | m4x3 |
| | | 150 | m4x3,3 |
| | | 15051 | m1x2/2x4 * ** |
| | | 15051 | m1x4/1x6 * ** |
| | | 15052 | m1x4,7/1x6,4 |
| | | 15052 | m2x3 * ** |
| | | 15052 | m2x4 * ** |

 * Dichteinsatz kurz = Art.-Nr.: Ek... ** Verschraubungskörper aus Edelstahl nicht lieferbar
 * Sealing insert short = Art. no.: Ek... ** Gland body made of stainless steel is not available

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U7. UNI Mehrfach Pg-Kabelverschraubung

U7. UNI Multiple Pg cable gland

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| | Anschlussgewinde Art.-Nr. Connection thread Art. no. | Ausführung bitte ergänzen Indicate product details | | |
|----------|---|---|--|--|
| A | Messing/Brass = VA 1.4305/AISI 303 = st PA 6-3 = u = TPE PVDF = y p = TPE-V | | | |
| Pg 9 | 15052 m2x5 * ** 50 15052 m2x6 * ** 50 15052 m3x5,3 * ** 50 15052 m4x4 * ** 50 15052 m8x3 * ** 50 | | | |
| Pg 11 | 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 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 m1x3/2x8 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 50 153 m1x6/1x8 50 153 m1x6/1x9S 50 153 m1x8S 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 50 152 m2x4/1x5,5 50 152 m2x5 50 152 m2x5/1x5,5 50 152 m2x6 50 | | | |

 * Dichteinsatz kurz = Art.-Nr.: Ek... ** Verschraubungskörper aus Edelstahl nicht lieferbar
 * Sealing insert short = Art. no.: Ek... ** Gland body made of stainless steel is not available

U7. UNI Mehrfach Pg-Kabelverschraubung
U7. UNI Multiple Pg cable gland

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| | Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details |
|----------|--|-----------------------------|---|
| | Messing/Brass | = | |
| | VA 1.4305/AISI 303 | = st | |
| A | PA 6-3 | = u | = TPE |
| | PVDF | = y p | = TPE-V |
| Pg 16 | 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 * | 25 |
| | 15354 | m1x4,5/2x6,5 * | 25 |
| | 15354 | m1x5,5/1x9 * | 25 |
| | 15354 | m1x5,5/1x10,5 * | 25 |
| | 15354 | m1x5,8/1x6,9/1x8,4 * | 25 |
| | 15354 | m1x6/2x9 * | 25 |
| | 15354 | m1x6,5/1x12 * | 25 |
| | 15354 | m1x6,9/1x7,4/1x8,4 * | 25 |
| | 15354 | m1x7/1x8,5 * | 25 |
| | 15354 | m1x7/1x10,5 * | 25 |
| | 15354 | m1x7,5/1x8,5/1x10 * | 25 |
| | 15354 | m1x8,5/1x12 * | 25 |
| | 15354 | m1x11,8 * | 25 |
| | 15354 | m2x5/1x5,5 * | 25 |
| | 15354 | m2x6 * | 25 |
| | 15354 | m2x6/2x8 * | 25 |

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

* Sealing insert short = Art. no.: Ek...

| | Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details |
|----------|--|------------------------------|---|
| | Messing/Brass | = | |
| | VA 1.4305/AISI 303 | = st | |
| A | PA 6-3 | = u | = TPE |
| | PVDF | = y p | = TPE-V |
| Pg 16 | 15354 | m2x6,5/1x9,5 * | 25 |
| | 15354 | m2x7 * | 25 |
| | 15354 | m2x8 * | 25 |
| | 15354 | m2x9 * | 25 |
| | 15354 | m2x10 * | 25 |
| | 15354 | m3x2,5/3x8 * | 25 |
| | 15354 | m3x7 * | 25 |
| | 15354 | m3x8 * | 25 |
| | 15354 | m3x9 * | 25 |
| | 15354 | m4x4,6/3x5,1 * | 25 |
| | 15354 | m4x5 * | 25 |
| | 15354 | m4x5/1x6,5 * | 25 |
| | 15354 | m4x6 * | 25 |
| | 15354 | m4x6,5 * | 25 |
| | 15354 | m4x7,5 * | 25 |
| | 15354 | m4x8 * | 25 |
| | 15354 | m5x5 * | 25 |
| | 15354 | m5x6 * | 25 |
| | 15354 | m6x5,5 * | 25 |
| | 15354 | m6x6,5 * | 25 |
| | 15354 | m7x4 * | 25 |
| | 15354 | m8x4 * | 25 |
| | 15354 | m12x3,5 * | 25 |
| Pg 21 | 154 | m1x2,9/2x6/1x6,1/1x6,8/1x7,3 | 25 |
| | 154 | m1x3,2/2x5/1x65 | 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 |
| | 154 | m2x4,5 | 25 |
| | 154 | m2x4,5/1x13 | 25 |
| | 154 | m2x6 | 25 |

U7. UNI Mehrfach Pg-Kabelverschraubung

U7. UNI Multiple Pg cable gland

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| Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | |
|---------------------------------------|-------------------------|---|---|
| A | Messing/Brass = | | |
| | VA 1.4305/AISI 303 = st | | |
| | PA 6-3 = u | = TPE | |
| | PVDF = y p | = TPE-V |  |
| Pg 21 | 154 | m2x6/2x8 | 25 |
| | 154 | m2x7/3x75 | 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 | m4x6/3x65 | 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 |
| | 15455 | m1x6,5/1x17 * | 10 |
| | 15455 | m1x6,5/2x11,2 * | 10 |
| | 15455 | m1x7/1x16 * | 10 |

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

| Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | |
|---------------------------------------|-------------------------|---|---|
| A | Messing/Brass = | | |
| | VA 1.4305/AISI 303 = st | | |
| | PA 6-3 = u | = TPE | |
| | PVDF = y p | = TPE-V |  |
| Pg 21 | 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 | m4x95 * | 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 |
| | 155 | m1x4/1x6/1x8/2x10 | 10 |
| | 155 | m1x4/2x6/4x8 | 10 |
| | 155 | m1x4/2x7/2x9 | 10 |

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U7. UNI Mehrfach Pg-Kabelverschraubung
U7. UNI Multiple Pg cable gland

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| | Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details |
|----------|--|-----------------------------|---|
| | Messing/Brass | = | |
| | VA 1.4305/AISI 303 | = st | |
| A | PA 6-3 | = u | = TPE |
| | PVDF | = y p | = TPE-V |
| Pg 29 | 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 | 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 | m1x8,5/1x12 | 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 | m1x6SB/3x6/3x8/1x9,2 | 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 | m2x6/2x6S/1x7/1x7S/1x10 | 10 |
| | 155 | m2x6,5 | 10 |
| | 155 | m2x6,5/1x10,5 | 10 |
| | 155 | m2x7 | 10 |

| | Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details |
|----------|--|-----------------------------|---|
| | Messing/Brass | = | |
| | VA 1.4305/AISI 303 | = st | |
| A | PA 6-3 | = u | = TPE |
| | PVDF | = y p | = TPE-V |
| Pg 29 | 155 | m2x7/1x9 | 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 |
| | 155 | m8x5,5 | 10 |
| | 155 | m8x7 | 10 |
| | 155 | m10x6 | 10 |

U7. UNI Mehrfach Pg-Kabelverschraubung

U7. UNI Multiple Pg cable gland

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

| | | Ausführung bitte ergänzen Indicate product details | |
|-------|--------------------|---|---------|
| | Messing/Brass | = | |
| | VA 1.4305/AISI 303 | = st | |
| A | PA 6-3 | = u | = TPE |
| | PVDF | = y p | = TPE-V |
| Pg 29 | 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 * | 10 |
| | 15556 | m1x4/2x6/4x9 * | 10 |
| | 15556 | m1x4/5x10 * | 10 |
| | 15556 | m1x11/1x21 * | 10 |
| | 15556 | m1x13/1x19 * | 10 |
| | 15556 | m1x14/1x17 * | 10 |
| | 15556 | m2x15 * | 10 |
| | 15556 | m3x7/4x10 * | 10 |
| | 15556 | m4x7 * | 10 |
| | 15556 | m4x13 * | 5 |
| | 15556 | m7x9 * | 10 |
| | 15556 | m8x8 * | 10 |
| | 15556 | m8x9 * | 10 |
| | 15556 | m12x6,4 * | 10 |
| Pg 36 | 156 | m1x5/1x9/1x11/1x19 | 10 |
| | 156 | m1x5/2x6,5/1x8,5/1x11 | 10 |
| | 156 | m1x5/3x8/1x8,5/1x9,5 | 10 |
| | 156 | m1x9,5/2x13,5 | 10 |
| | 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 | m1x8/4x12,5 | 10 |
| | 156 | m2x8/3x10 | 10 |
| | 156 | m2x9 | 10 |
| | 156 | m2x15 | 10 |
| | 156 | m3x10 | 10 |
| | 156 | m3x14,5 | 10 |
| | 156 | m4x7 | 10 |
| | 156 | m4x10,2 | 10 |

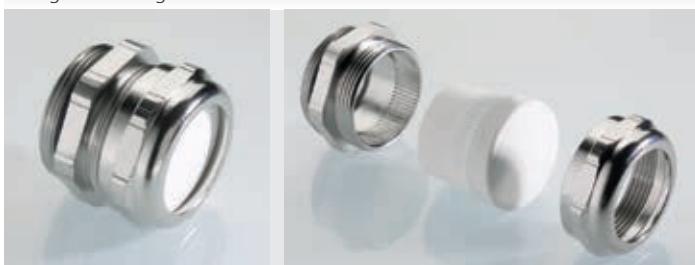
Anschlussgewinde Art.-Nr.
 Connection thread Art. no.

| | | Ausführung bitte ergänzen Indicate product details | |
|-------|--------------------|---|---------|
| | Messing/Brass | = | |
| | VA 1.4305/AISI 303 | = st | |
| A | PA 6-3 | = u | = TPE |
| | PVDF | = y p | = TPE-V |
| Pg 36 | 156 | m4x11,5 | 10 |
| | 156 | m4x12 | 10 |
| | 156 | m4x13 | 10 |
| | 156 | m5x11,5 | 10 |
| | 156 | m6x10 | 10 |
| | 156 | m7x9 | 10 |
| | 156 | m8x8 | 10 |
| | 156 | m8x9 | 10 |
| | 156 | m11x8 | 10 |
| | 156 | m13x7 | 10 |
| | 156 | m15x5 | 10 |
| | 156 | m16x6 | 10 |
| | 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 |

* Dichtensatz kurz = Art.-Nr.: Ek... ** Variante u 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 u not available. Variant y made of POM (white colour); Temperature range: -40 °C up to +110 °C, no CSA approval.

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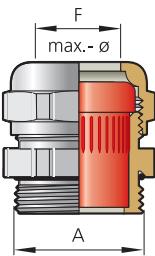
U2.2g UNI Dicht Pg geschlossen
U2.2g UNI Dicht Pg closed


*Abb. 1
Fig. 1*
*Abb. 2
Fig. 2*
Messing vernickelt, Edelstahl 1.4305, PA 6-3, PVDF
Pg-Anschlussgewinde
Schutzart IP 68 bis 10 bar
Brass nickel plated, stainless steel AISI 303, PA 6-3, PVDF
Pg connection thread
Type of protection IP 68 up to 10 bar


Die Anleitung zur Herstellung einer Kabelverschraubung mit eigenem Lochbild aus einem geschlossenen Dichteinsatz finden Sie im technischen Anhang.

The instruction for making a cable gland with its own hole pattern of a closed sealing insert can be found in the technical appendix.

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|---|------------------|---|--|
| Messing Brass | vernickelt nickel plated | d | TPE | weiß white | | -40 °C / +130 °C |
| Messing Brass | vernickelt nickel plated | d | 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 |
| PA 6-3 | grau grey | u | TPE | weiß white | | -20 °C / +100 °C |
| PA 6-3 | grau grey | u | 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
Fig. 3*

| Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | |
|---------------------------------------|----------------------|---|---------------|
| | | Messing/Brass | = d |
| A | | VA 1.4305/AISI 303 | = st |
| | | PA 6-3 | = u |
| | | 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 | 10 |
| Pg 42 | 157 | g ** | 5 |
| Pg 48 | 158 | g ** | 5 |

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


Maximaler Kabeldurchlass der Druckschraube (F) und maximaler Kabeldurchlass des Doppelnippels (E) s. Technischer Anhang.

Maximum cable passage of the pressure screw (F) and maximum cable passage of the double nipple (E) see technical appendix.



Anschlussgewinde mit 15 mm Länge auf Anfrage

Long connection thread 15 mm on request



Hinweise zu den Baumaßen finden Sie auf Seite 506.

Information for the system dimensions, see page 506.

U46. UNI Stecker Pg-Kabelverschraubung mit geteiltem Dichteinsatz

U46. UNI Connector Pg cable gland with split sealing insert


 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteinsatz Material sealing insert | Farbe Colour | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|---|-------------------------|--|
| Messing Brass | vernickelt <i>nickel plated</i> | | TPE-V | natur <i>natural</i> | -40 °C / +135 °C |
| VA 1.4305 <i>AISI 303</i> | blank | st | TPE-V | natur <i>natural</i> | -40 °C / +135 °C |
| PA 6-3 | grau <i>grey</i> | u | TPE-V | natur <i>natural</i> | -20 °C / +100 °C |
| PVDF | transparent | y | TPE-V | natur <i>natural</i> | -40 °C / +135 °C |

| Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | | |
|---------------------------------------|----------------------|---|------|--|
| | | Messing/Brass | = | |
| A | Pg 29 | VA 1.4305/AISI 303 | = st | |
| | | PA 6-3 | = u | |
| | | 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 | 10 | |
| | 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 | 10 | |
| | 156 | pmK 1/21 | 5 | |
| | 156 | pmK 1/23 | 5 | |
| | 156 | pmK 2/ 5,5-1/11,5 | 10 | |
| | | | | |

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U46. UNI Stecker Pg-Kabelverschraubung mit geteiltem Dichtesatz
U46. UNI Connector Pg cable gland with split sealing insert

Fortsetzung von vorheriger Seite
Continued from previous page

| Anschlussgewinde <i>Connection thread</i> | Art.-Nr. <i>Art. no.</i> | Ausführung bitte ergänzen Indicate product details | | |
|---|------------------------------------|---|------|---|
| | | Messing/Brass | = | |
| A | | VA 1.4305/AISI 303 | = st | |
| | | PA 6-3 | = u | |
| | | PVDF | = y |  |
| Pg 36 | 156 | pmK 2/ 6 | 5 | |
| | 156 | pmK 2/11,5 | 5 | |
| | 156 | pmK 3/ 7,2 | 10 | |
| | 156 | pmK 3/ 7,5 | 5 | |
| | 156 | pmk 3/ 7,8 | 5 | |
| | 156 | pmK 3/10 | 10 | |
| 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 | |

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

* Variant y and u made of POM (white colour); Temperature range: -40 °C up to +110 °C.

| Anschlussgewinde <i>Connection thread</i> | Art.-Nr. <i>Art. no.</i> | Ausführung bitte ergänzen Indicate product details | | |
|---|------------------------------------|---|------|---|
| A | | Messing/Brass | = | |
| | | VA 1.4305/AISI 303 | = st | |
| | | PA 6-3 | = u | |
| | | 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 | |

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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 Dichtesätze in der Lochachse geteilt.

- voll, zum Selberbohren mit geeignetem Bohrer
- mit einer Bohrung
- mit mehreren Bohrungen
- Technische Details siehe Seite 501

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:

PFLITSCH UNI connectors sealing inserts are divided on the hole axis.

- Full, for self-drilling with drill
- With one borehole
- With several boreholes
- Technical details see page 501

U2. UNI Dicht® ASi-Bus Pg-Kabelverschraubung

U2. UNI Dicht® ASi-Bus Pg cable gland


 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

Werkstoff Verschraubungskörper
 Material gland body

 Messing
 Brass

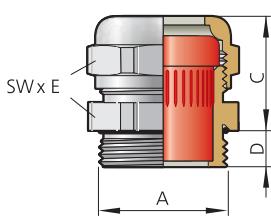
Ausführung/Farbe
 Version/colour

 vernickelt
 nickel plated

Werkstoff Dickeinsatz
 Material sealing insert

TPE-V

Messing vernickelt
Pg-Anschlussgewinde
Schutzart IP 68 bis 10 bar

 Brass nickel plated
 Pg connection thread
 Type of protection IP 68 up to 10 bar

 Abb. 3
Fig. 3

Anschlussgewinde/-länge
 Connection thread/length

A
D
 mm

Art.-Nr.
 Art. no.

Version ASi
 Version ASi

Bauhöhe
 Mounting height

C
 mm

Schlüsselweite
 Spanner width


| | | | | | | |
|---------|-----|--|---|--------------------------------------|---|----------------------------|
| Pg 13,5 | 6,5 | 152pm2xASI L 152pm2xASI R 152pf4,2ASI10L 152pfm2xASIL/R 152pf4,2ASI10R | 2x links/2x left 2x rechts/2x right links/left links & rechts/left & right rechts/right | 21,0 21,0 21,0 21,0 21,0 | 22x24,4 22x24,4 22x24,4 22x24,4 22x24,4 | 50 50 50 50 50 |
|---------|-----|--|---|--------------------------------------|---|----------------------------|


 Abb. 4
Fig. 4

23900 | TT02500

U28. UNI Dicht® ASi-Bus Pg-Kabelverschraubung

U28. UNI Dicht® ASi-Bus Pg cable gland


 Abb. 1
Fig. 1

Werkstoff Verschraubungskörper
 Material gland body

 VA 1.4305
 AISI 303

Ausführung/Farbe
 Version/colour

blank

Werkstoff Dickeinsatz
 Material sealing insert

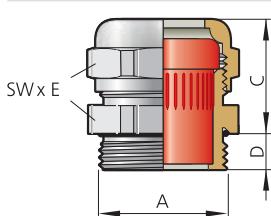
TPE-V

Farbe
 Colour

 natur
 natural

Temperaturbereich min./max.
 Temperature range min./max.

-40 °C / +135 °C


 Abb. 2
Fig. 2

Anschlussgewinde/-länge
 Connection thread/length

A
D
 mm

Art.-Nr.
 Art. no.

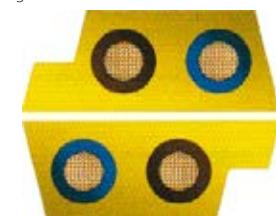
Version ASi
 Version ASi

Bauhöhe
 Mounting height

C
 mm

Schlüsselweite
 Spanner width

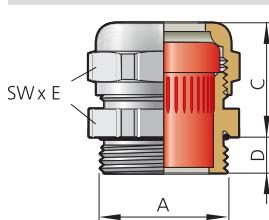
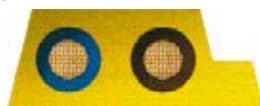

| | | | | | | |
|---------|-----|---|---|--------------------------------------|---|----------------------------|
| Pg 13,5 | 6,5 | 152stpm2xASI L 152stpm2xASI R 152stpf4,2ASI10L 152stpm2xASIL/R 152stpf4,2ASI10R | 2x links/2x left 2x rechts/2x right links/left links & rechts/left & right rechts/right | 21,0 21,0 21,0 21,0 21,0 | 22x24,4 22x24,4 22x24,4 22x24,4 22x24,4 | 50 50 50 50 50 |
|---------|-----|---|---|--------------------------------------|---|----------------------------|


 Abb. 3
Fig. 3

23900 | TT02500

U12. UNI Dicht® ASi-Bus Pg-Kabelverschraubung
U12. UNI Dicht® ASi-Bus Pg cable gland

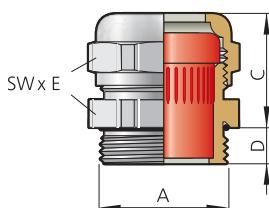
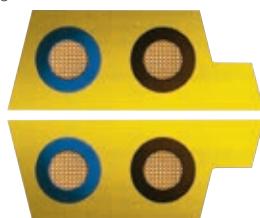
*Abb. 1
Fig. 1*

*Abb. 2
Fig. 2*
PA 6-3, Farbe: grau (RAL 7023), schwarz (RAL 9005)
Pg-Anschlussgewinde
Schutzart IP 68 bis 10 bar
PA 6-3, colour: grey (RAL 7023), black (RAL 9005)
Pg connection thread
Type of protection IP 68 up to 10 bar

*Abb. 3
Fig. 3*

*Abb. 4
Fig. 4*

| Anschlussgewinde/-länge Connection thread/length | | Art.-Nr. Art. no. | Version ASi Version ASi | | Bauhöhe Mounting height | Schlüsselweite Spanner width | |
|---|---------|----------------------------|----------------------------|---|--------------------------------------|---|----------------------------|
| A | D mm | grau/grey schwarz/black | = u = n | | C mm | SW x E mm | |
| Pg 13,5 | 9,0 | | | 152 pm2xASI L 152 pm2xASI R 152 pf4,2ASI10L 152 pfm2xASIL/R 152 pf4,2ASI10R | 22,0 22,0 22,0 22,0 22,0 | 24x26,5 24x26,5 24x26,5 24x26,5 24x26,5 | 50 50 50 50 50 |
| | | | | 2x links/2x left 2x rechts/2x right links/left links & rechts/left & right rechts/right | | | |

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U19. UNI Dicht® ASi-Bus Pg-Kabelverschraubung
U19. UNI Dicht® ASi-Bus Pg cable gland

*Abb. 1
Fig. 1*
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. 2
Fig. 2*

*Abb. 3
Fig. 3*

| Anschlussgewinde/-länge Connection thread/length | | Art.-Nr. Art. no. | Version ASi Version ASi | | Bauhöhe Mounting height | Schlüsselweite Spanner width | |
|---|---------|---|----------------------------|---|--------------------------------------|---|----------------------------|
| A | D mm | transparent blau/blue schwarz/black | = a = n | | C mm | SW x E mm | |
| Pg 13,5 | 9,0 | | | 152y pm2xASI L 152y pm2xASI R 152y pf4,2ASI10L 152y pfm2xASIL/R 152y pf4,2ASI10R | 22,0 22,0 22,0 22,0 22,0 | 24x26,5 24x26,5 24x26,5 24x26,5 24x26,5 | 50 50 50 50 50 |
| | | | | 2x links/2x left 2x rechts/2x right links/left links & rechts/left & right rechts/right | | | |

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U9. UNI Flach Pg-Kabelverschraubung – Gerundet

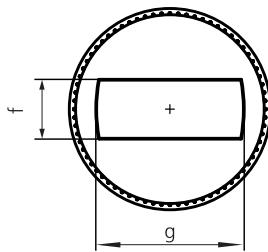
U9. UNI Flat Pg cable gland – Rounded


 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

Messing vernickelt, Edelstahl 1.4305, PA 6-3, PVDF
Pg-Anschlussgewinde
Schutzart IP 65 – Form gerundet
Brass nickel plated, stainless steel AISI 303, PA 6-3, PVDF
Pg connection thread
Type of protection IP 65 – rounded shape

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteneinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. 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 |
| PA 6-3 | grau grey | u | TPE | weiß white | | -20 °C / +100 °C |
| PA 6-3 | grau grey | u | 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
Fig. 3

| Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | | |
|---------------------------------------|----------------------|---|-------|--------------------|
| | | Messing/Brass | = | VA 1.4305/AISI 303 |
| A | | | = | = st |
| | | PA 6-3 | = u | = TPE |
| | | PVDF | = y p | = TPE-V |
| Pg 9 | 150 | f 3,5g 5,5 | 50 | |
| Pg 11 | 151 | f 2,8g10,5 | 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 g12 | 50 | |
| | 152 | f 4,5g10 | 50 | |
| | 152 | f 5 g11 | 50 | |
| | 152 | f 5 g12 | 50 | |
| | 152 | f 6,5g11 | 50 | |
| Pg 16 | 153 | f 5 g12 | 50 | |
| | 153 | f 5 g10 | 50 | |
| | 153 | f 5 g16 | 50 | |
| | 153 | f 5,5g14 | 50 | |
| | 153 | f 6 g13 | 50 | |
| | 153 | f 7,5g14 | 50 | |
| Pg 21 | 154 | f 5 g17 | 25 | |
| | 154 | f 7 g18 | 25 | |
| Pg 29 | 155 | f 6 g29 | 10 | |
| | 155 | f 8 g25 | 10 | |
| | 155 | f10 g25 | 10 | |
| | 155 | f10 g29 | 10 | |
| | 155 | f13 g28 | 10 | |

23500 | TT01900

U9. UNI Flach Pg-Kabelverschraubung – Gerundet
U9. UNI Flat Pg cable gland – Rounded

Fortsetzung von vorheriger Seite
 Continued from previous page

| | Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | |
|----------|--|-----------------------------|---|---|
| A | Messing/Brass | = | | |
| | VA 1.4305/AISI 303 | = st | | |
| | PA 6-3 | = u | = TPE | |
| | PVDF | = y p | = TPE-V |  |
| Pg 36 | 156 | f 6 g30 | 5 | |
| | 156 | f 6 g36 | 5 | |
| | 156 | f 8 g36 | 5 | |
| | 156 | f11 g34 | 5 | |
| | 156 | f12 g35 | 5 | |
| Pg 42 | 157 | f 6 g38 * | 5 | |
| | 157 | f10 g38 * | 5 | |

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

* Variant u not available. Variant y made of POM (white colour); Temperature range: -40 °C up to +110 °C.

| | Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | |
|----------|--|-----------------------------|---|---|
| A | Messing/Brass | = | | |
| | VA 1.4305/AISI 303 | = st | | |
| | PA 6-3 | = u | = TPE | |
| | PVDF | = y p | = TPE-V |  |
| Pg 42 | 157 | f13 g35 * | 5 | |
| | 157 | f14,5g37 * | 5 | |
| | 158 | f 6,5g47 * | 5 | |
| | 158 | f 9 g43 * | 5 | |
| Pg 48 | 158 | f14,5g39 * | 5 | |
| | 158 | f15 g45 * | 5 | |

23500 | TT01900

U9. UNI Flach Pg-Kabelverschraubung – Oval

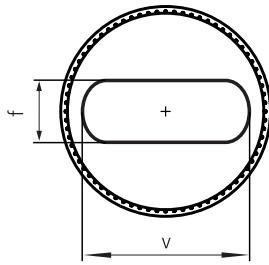
U9. UNI Flat Pg cable gland – Oval


 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

Messing vernickelt, Edelstahl 1.4305, PA 6-3, PVDF
Pg-Anschlussgewinde
Schutzart IP 65 – Form oval
Brass nickel plated, stainless steel AISI 303, PA 6-3, PVDF
Pg connection thread
Type of protection IP 65 – oval shape

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteneinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. 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 |
| PA 6-3 | grau grey | u | TPE | weiß white | | -20 °C / +100 °C |
| PA 6-3 | grau grey | u | 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
Fig. 3

| Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | | | |
|---------------------------------------|----------------------|---|------------|--------------------|-----------------|
| | | Messing/Brass | = | VA 1.4305/AISI 303 | = st |
| A | PA 6-3 | = u | = 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 | |
| B | 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 | |
| C | 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 | |
| D | Pg 21 | 154 | f 5 v16 | 25 | |
| | | 154 | f 7 v16,5 | 25 | |
| | | 154 | f 7 v18 | 25 | |
| | | 154 | f 7 v20 | 25 | |
| E | Pg 29 | 155 | f 4 v23 | 10 | |
| | | | | | 23600 TT01900 |

U9. UNI Flach Pg-Kabelverschraubung – Oval
U9. UNI Flat Pg cable gland – Oval

Fortsetzung von vorheriger Seite
 Continued from previous page

| | Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | |
|----------|--|-----------------------------|---|---|
| A | Messing/Brass | = | | |
| | VA 1.4305/AISI 303 | = st | | |
| | PA 6-3 | = u | = TPE | |
| | PVDF | = y p | = TPE-V |  |
| Pg 29 | 155 | f 8 v25 | 10 | |
| | 155 | f10 v27 | 10 | |
| Pg 36 | 156 | f 5,5v31 | 5 | |
| | 156 | f 6,5v32 | 5 | |
| | 156 | f11 v35 | 5 | |

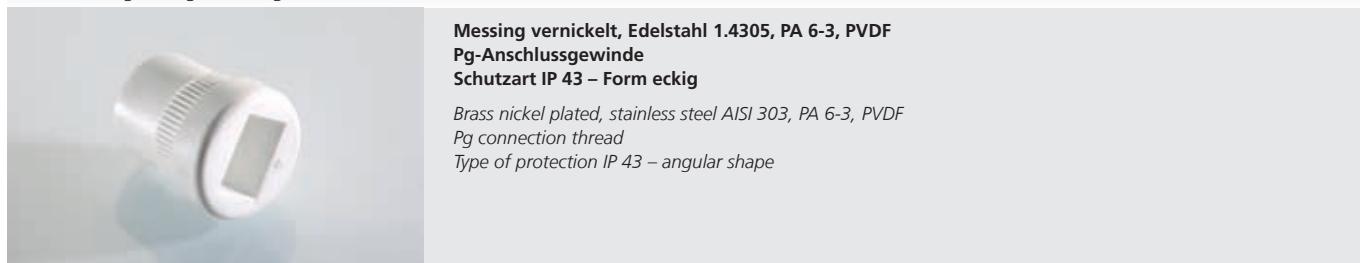
* Variante y aus Werkstoff POM (Farbe weiß); Temperaturbereich: -40 °C bis +110 °C
 * Variant y made of POM (white colour); Temperature range: -40 °C up to +110 °C

| | Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | |
|----------|--|-----------------------------|---|---|
| A | Messing/Brass | = | | |
| | VA 1.4305/AISI 303 | = st | | |
| | PA 6-3 | = u | = TPE | |
| | PVDF | = y p | = TPE-V |  |
| Pg 36 | 156 | f13 v30,5 | 5 | |
| Pg 42 | 157 | f 6 v41 * | 5 | |
| | 157 | f 9 v38 * | 5 | |
| Pg 48 | 158 | f 9 v43 * | 5 | |

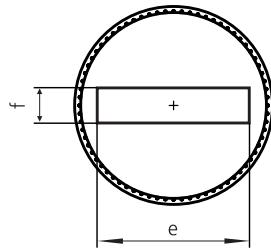
23600 | TT01900

U9. UNI Flach Pg-Kabelverschraubung – Eckig

U9. UNI Flat Pg cable gland – Angular


 Abb. 1
Fig. 1

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichtesatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. 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 |
| PA 6-3 | grau grey | u | TPE | weiß white | | -20 °C / +100 °C |
| PA 6-3 | grau grey | u | 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. 2
Fig. 2

| Anschlussgewinde Connection thread | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | | |
|---------------------------------------|----------------------|---|-------|--------------------|
| | | Messing/Brass | = | VA 1.4305/AISI 303 |
| A | | | = st | |
| | | PA 6-3 | = u | = 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 | TT01990

Zugentlastung und Biegeschutz – Pg

*Strain relief
and bending protection – Pg*



Abb. 1 – UNI Biege Zug-Kabelverschraubung
Fig. 1 – *UNI Bending strain relief 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 standardly produced 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

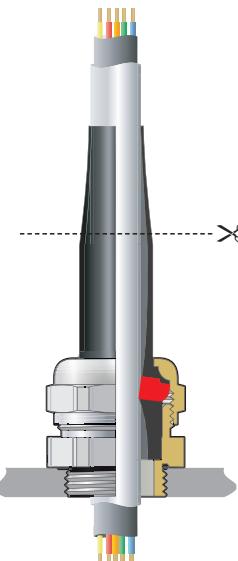
With UNI Strain relief, the sealing inserts made of TPE and TPE-V are fitted with integrated clamping bodies made of PA which act like clamping jaws. Tractive forces on the cable are intercepted up to 200 N with vibration resistance.



1

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.



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.

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 an especially 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.

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

U3. UNI Zug Dicht Pg-Kabelschraubung
 U3. UNI Dicht® Strain Relief Pg cable gland

 RoHS

 Abb. 1
 Fig. 1

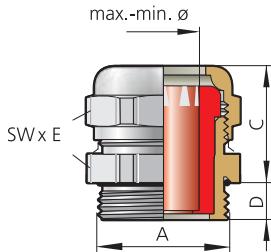
 Abb. 2
 Fig. 2

Messing vernickelt
Pg-Anschlussgewinde
Schutzart IP 54

 Brass nickel plated
 Pg connection thread
 Type of protection IP 54

Passende Gegenmuttern ab Seite 458
 Corresponding lock nuts see page 458

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Werkstoff Dickeinsatz Material sealing insert | Farbe Colour | Bestellchlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|--|------------------|--|--|
| Messing Brass | vernickelt nickel plated | TPE | s. FC s. CC | | -20 °C / +100 °C |
| Messing Brass | vernickelt nickel plated | TPE-V | natur natural | p | -20 °C / +100 °C |


 Abb. 3
 Fig. 3

| Anschlussgewinde/-länge Connection thread/length | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | | Dichtbereich Sealing range | Bauhöhe Mounting height | Schlüsselweite Spanner width |
|---|----------------------|---|---------|-------------------------------|----------------------------|---------------------------------|
| | | A mm | D mm | | | |
| Pg 7 | 149 | | | max./min. Ø mm | C mm | SW x E mm |
| | 14950 | | | z 7 6,5 – 4,0 | 20,0 | 14x15,5 |
| Pg 9 | 150 | | | z 9 9,0 – 5,5 | 20,0 | 17x18,9 |
| | 150 | | | z 7 6,5 – 4,0 | 20,0 | 17x18,9 |
| | 15051 | | | z 9 9,0 – 5,5 | 20,0 | 17x18,9 |
| | 15052 | | | z 11 10,0 – 6,0 | 21,0 | 20x22,2 |
| Pg 11 | 151 | | | z 13 * 12,0 – 8,0 | 21,0 | 22x24,4 |
| | 151 | | | z 9 9,0 – 5,5 | 20,0 | 20x22,2 |
| | 15152 | | | z 11 10,0 – 6,0 | 20,0 | 20x22,2 |
| | 15152 | | | z 13 12,0 – 8,0 | 21,0 | 22x24,4 |
| Pg 13,5 | 152 | | | z 9 9,0 – 5,5 | 21,0 | 22x24,4 |
| | 152 | | | z 11 10,0 – 6,0 | 21,0 | 22x24,4 |
| | 152 | | | z 13 12,0 – 8,0 | 21,0 | 22x24,4 |
| | 15253 | | | z 16 15,0 – 12,0 | 21,0 | 24x26,7 |
| | 15254 | | | z 18 17,0 – 14,0 | 25,0 | 30x33,5 |
| Pg 16 | 15254 | | | z 20 20,0 – 16,0 | 25,0 | 30x33,5 |
| | 153 | | | z 11 10,0 – 6,0 | 21,0 | 24x26,7 |
| | 153 | | | z 13 12,0 – 8,0 | 21,0 | 24x26,7 |
| | 153 | | | z 16 15,0 – 12,0 | 21,0 | 24x26,7 |
| | 15354 | | | z 18 17,0 – 14,0 | 24,0 | 30x33,5 |
| | 15354 | | | z 20 20,0 – 16,0 | 24,0 | 30x33,5 |
| | 15355 | | | z 25 24,0 – 20,0 | 27,0 | 40x43,5 |
| Pg 21 | 15355 | | | z 25 24,0 – 20,0 | 27,0 | 40x43,5 |
| | 154 | | | z 28 27,0 – 23,0 | 27,0 | 40x43,5 |
| | 154 | | | z 13 12,0 – 8,0 | 25,0 | 30x33,5 |
| | 154 | | | z 16 15,0 – 12,0 | 25,0 | 30x33,5 |
| | 154 | | | z 18 17,0 – 14,0 | 25,0 | 30x33,5 |
| | 15455 | | | z 20 20,0 – 16,5 | 25,0 | 30x33,5 |
| | 15455 | | | z 25 24,0 – 20,0 | 27,0 | 40x43,5 |
| Pg 29 | 155 | | | z 28 27,0 – 23,0 | 27,0 | 40x43,5 |
| | 155 | | | z 21 20,0 – 16,0 | 28,0 | 40x43,5 |
| | 155 | | | z 25 24,0 – 20,0 | 28,0 | 40x43,5 |
| | 155 | | | z 28 27,0 – 23,0 | 28,0 | 40x43,5 |
| | 15556 | | | z 32 31,5 – 27,0 | 28,0 | 50x54 |
| Pg 36 | 15556 | | | z 36 36,0 – 32,0 | 28,0 | 50x54 |
| | 156 | | | z 32 31,5 – 27,0 | 28,0 | 50x54 |
| | 156 | | | z 36 36,0 – 32,0 | 28,0 | 50x54 |
| | 15657 | | | z 40 40,0 – 34,0 | 30,0 | 57x61,5 |
| Pg 42 | 157 | | | z 40 40,0 – 34,0 | 30,0 | 57x61 |
| Pg 48 | 158 | | | z 44 43,0 – 39,0 | 30,0 | 64x69 |

* Dickeinsatz kurz = Art.-Nr.: Ek...

* Sealing insert short = Art. no.: Ek...

U13. UNI Zug Dicht Pg-Kabelverschraubung

U13. UNI Dicht® Strain Relief Pg cable gland


 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

PA 6-3, Farbe: grau (RAL 7032), schwarz (RAL 9005)
Pg-Anschlussgewinde
Schutzart IP 54

PA 6-3, colour: grey (RAL 7032), black (RAL 9005)

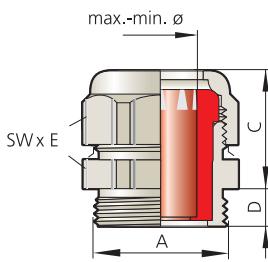
Pg connection thread

Type of protection IP 54


Passende Gegenmuttern ab Seite 458

Corresponding lock nuts see page 458

| 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. |
| PA 6-3 | grau grey | | TPE | s. FC s. CC | | -20 °C / +100 °C |
| PA 6-3 | grau grey | | TPE-V | natur natural | p | -20 °C / +100 °C |
| PA 6-3 | schwarz black | n | TPE | s. FC s. CC | | -20 °C / +100 °C |
| PA 6-3 | schwarz black | n | TPE-V | natur natural | p | -20 °C / +100 °C |


 Abb. 3
Fig. 3

| Anschlussgewinde/-länge | | Art.-Nr. | Ausführung bitte ergänzen Indicate product details | | Dichtbereich | Bauhöhe | Schlüsselweite |
|--------------------------|----------|---------------|---|-------------|---------------|-----------------|----------------|
| Connection thread/length | Art. no. | | | | Sealing range | Mounting height | Spanner width |
| Pg 7 | 8,0 | grau/grey | = | = TPE | max./min. Ø | C | SW x E |
| | | schwarz/black | = n | = p = TPE-V | mm | | |
| Pg 9 | 9,0 | 149u | z 7 | 6,5 – 4,0 | 23,0 | 15x16,5 | 50 |
| | | 14950u | z 9 * | 9,0 – 5,5 | 22,0 | 19x21,2 | 50 |
| Pg 9 | 8,0 | 150u | z 7 | 6,5 – 4,0 | 23,0 | 19x21,2 | 50 |
| | | 150u | z 9 | 9,0 – 5,5 | 23,0 | 19x21,2 | 50 |
| Pg 11 | 9,0 | 15051u | z11 * | 10,0 – 6,0 | 24,0 | 22x24,4 | 50 |
| | | 151u | z 9 | 9,0 – 6,0 | 24,0 | 22x24,4 | 50 |
| Pg 11 | 8,0 | 151u | z11 | 10,0 – 6,0 | 24,0 | 22x24,4 | 50 |
| | | 15152u | z13 * | 12,0 – 8,0 | 24,0 | 24x26,5 | 50 |
| Pg 13,5 | 9,0 | 152u | z 9 | 9,0 – 5,5 | 24,0 | 24x26,5 | 50 |
| | | 152u | z11 | 10,0 – 6,0 | 24,0 | 24x26,5 | 50 |
| | | 152u | z13 | 12,0 – 8,0 | 24,0 | 24x26,5 | 50 |
| Pg 13,5 | 8,5 | 15253u | z16 * | 15,0 – 12,0 | 24,0 | 27x29,5 | 50 |
| | | 153u | z11 | 10,0 – 6,0 | 24,0 | 27x29,5 | 50 |
| Pg 16 | 9,0 | 153u | z13 | 12,0 – 8,0 | 24,0 | 27x29,5 | 50 |
| | | 153u | z16 | 15,0 – 12,0 | 24,0 | 27x29,5 | 50 |
| | | 1534u | z18 * | 17,0 – 14,0 | 30,0 | 33x36,5 | 25 |
| | | 15354u | z20 * | 20,0 – 16,0 | 30,0 | 33x36,5 | 25 |
| | | 154u | z13 | 12,0 – 8,0 | 29,0 | 33x36,5 | 25 |
| Pg 21 | 11,0 | 154u | z16 | 15,0 – 12,0 | 29,0 | 33x36,5 | 25 |
| | | 154u | z18 | 17,0 – 14,0 | 29,0 | 33x36,5 | 25 |
| | | 154u | z20 | 20,0 – 16,0 | 29,0 | 33x36,5 | 25 |
| | | 15455u | z25 * | 24,0 – 20,0 | 34,0 | 43x46,5 | 10 |
| | | 15455u | z28 * | 27,0 – 23,0 | 34,0 | 43x46,5 | 10 |
| | | 155u | z21 | 20,0 – 16,0 | 33,0 | 43x46,5 | 10 |
| Pg 29 | 11,0 | 155u | z25 | 24,0 – 20,0 | 33,0 | 43x46,5 | 10 |
| | | 155u | z28 | 27,0 – 23,0 | 33,0 | 43x46,5 | 10 |
| | | 15556u | z32 * | 31,5 – 27,0 | 35,0 | 53x57 | 5 |
| | | 15556u | z36 * | 36,0 – 32,0 | 35,0 | 53x57 | 5 |
| | | 156u | z32 | 31,5 – 27,0 | 33,0 | 53x57 | 5 |
| Pg 36 | 14,0 | 156u | z36 | 36,0 – 32,0 | 33,0 | 53x57 | 5 |

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

* Sealing insert short = Art. no.: Ek...

14500 | TT00510

U23. UNI Zug Dicht Pg-Kabelverschraubung
 U23. UNI Dicht® Strain Relief Pg cable gland



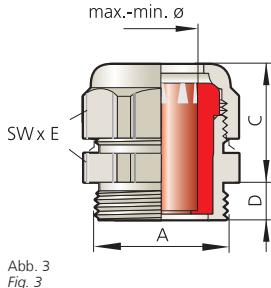
 Abb. 1
 Fig. 1

 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 Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|---|-------------------------|---|--|
| PVDF | transparent | | TPE | s. FC s. CC | | -20 °C / +100 °C |
| PVDF | transparent | | TPE-V | natur <i>natural</i> | p | -20 °C / +100 °C |
| PVDF | blau <i>blue</i> | a | TPE | s. FC s. CC | | -20 °C / +100 °C |
| PVDF | blau <i>blue</i> | a | TPE-V | natur <i>natural</i> | p | -20 °C / +100 °C |
| PVDF | schwarz <i>black</i> | n | TPE | s. FC s. CC | | -20 °C / +100 °C |
| PVDF | schwarz <i>black</i> | n | TPE-V | natur <i>natural</i> | p | -20 °C / +100 °C |


 Abb. 3
 Fig. 3

| Anschlussgewinde/-länge Connection thread/length | | | Art.-Nr. Art. no. | Dichtbereich Sealing range | | Bauhöhe Mounting height | Schlüsselweite Spanner width |
|---|---------|--|---|-------------------------------|-------------------|----------------------------|---------------------------------|
| | | | Ausführung bitte ergänzen Indicate product details | | | | |
| A | D mm | transparent blaue/blue schwarz/black | = = a = n p | = TPE = TPE-V | max./min. ø mm | C mm | SW x E mm |
| Pg 7 | 8,0 | | 149y | z 7 | 6,5 – 4,0 | 23,0 | 15x16,5 |
| | | | 150y | z 7 | 6,5 – 4,0 | 24,0 | 19x21,2 |
| | | | 15051y | z 9 | 9,0 – 5,5 | 24,0 | 19x21,2 |
| | | | | z 11 * | 10,0 – 6,0 | 24,0 | 22x24,4 |
| Pg 11 | 8,0 | | 151y | z 9 | 9,0 – 6,0 | 24,0 | 22x24,4 |
| | | | 151y | z 11 | 10,0 – 6,0 | 24,0 | 22x24,4 |
| Pg 13,5 | 9,0 | | 152y | z 9 | 9,0 – 5,5 | 26,0 | 24x26,5 |
| | | | 152y | z 11 | 10,0 – 6,0 | 26,0 | 24x26,5 |
| | | | 152y | z 13 | 12,0 – 8,0 | 26,0 | 24x26,5 |
| | | | 15254y | z 20 * | 20,0 – 16,0 | 30,0 | 33x36,5 |
| Pg 16 | 9,0 | | 153y | z 11 | 10,0 – 6,0 | 26,0 | 27x29,5 |
| | | | 153y | z 13 | 12,0 – 8,0 | 26,0 | 27x29,5 |
| | | | 153y | z 16 | 15,0 – 12,0 | 26,0 | 27x29,5 |
| | | | 15354y | z 18 * | 17,0 – 14,0 | 30,0 | 33x36,5 |
| | | | 15354y | z 20 * | 20,0 – 16,0 | 30,0 | 33x36,5 |
| Pg 16 | 10,0 | | 15355y | z 28 * | 27,0 – 23,0 | 32,0 | 43x46 |
| Pg 21 | 11,0 | | 154y | z 13 | 12,0 – 8,0 | 29,0 | 33x36,5 |
| | | | 154y | z 16 | 15,0 – 12,0 | 29,0 | 33x36,5 |
| | | | 154y | z 18 | 17,0 – 14,0 | 29,0 | 33x36,5 |
| | | | 15455y | z 20 | 20,0 – 16,0 | 29,0 | 33x36,5 |
| | | | 15455y | z 25 * | 24,0 – 20,0 | 33,0 | 43x46 |
| | | | 15455y | z 28 * | 27,0 – 23,0 | 33,0 | 43x46 |
| Pg 21 | 10,0 | | 15456y | z 36 * | 36,0 – 32,0 | 35,0 | 53x57 |
| Pg 29 | 10,5 | | 155y | z 20 | 20,0 – 16,0 | 33,0 | 43x46,5 |
| | | | 155y | z 25 | 24,0 – 20,0 | 33,0 | 43x46,5 |
| | | | 155y | z 28 | 27,0 – 23,0 | 33,0 | 43x46,5 |
| Pg 29 | 11,0 | | 15556y | z 36 * | 36,0 – 32,0 | 35,0 | 53x57 |
| Pg 36 | 13,0 | | 156y | z 32 | 31,5 – 27,0 | 34,0 | 53x57 |
| | | | 156y | z 36 | 36,0 – 32,0 | 34,0 | 53x57 |
| Pg 42 | 13,0 | | 157y | z 40 ** | 40,0 – 36,0 | 38,0 | 60x65 |
| Pg 48 | 14,0 | | 158y | z 44 ** | 43,0 – 39,0 | 41,0 | 65x70 |

14600 | 1109510

* Dichteinsatz 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.

U53. UNI Klemm Dicht Pg-Kabelverschraubung

U53. UNI Clamping Dicht Pg cable gland

RoHS


 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

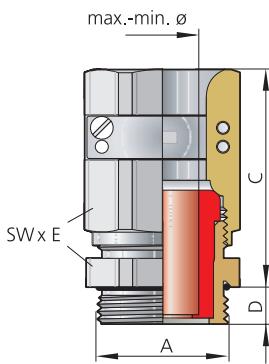
Messing vernickelt
Druckschraube mit erhöhter Zugentlastung
Pg-Anschlussgewinde
Schutzart IP 68 – statisch geprüft

Brass nickel plated
Pressure screw with increased strain relief
Pg connection thread
Type of protection IP 68 – statically tested



Passende Gegenmuttern ab Seite 458
 Corresponding lock nuts see page 458

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Werkstoff Dichteinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|------------------|---|--|
| Messing Brass | vernickelt nickel plated | TPE | s. FC s. CC | d | -40 °C / +130 °C |
| Messing Brass | vernickelt nickel plated | TPE-V | natur natural | p | -40 °C / +135 °C |
| Messing Brass | vernickelt nickel plated | LSR | transparent | i | -60 °C / +200 °C |


 Abb. 3
Fig. 3

| Anschlussgewinde/-länge Connection thread/length | Art.-Nr. Art. no. | Dichtbereich Sealing range | | Bauhöhe Mounting height | Schlüsselweite Spanner width |
|---|----------------------|-------------------------------|---------|----------------------------|---------------------------------|
| | | A | D mm | | |
| Pg 7 | 5,0 | 14950 | 7zu | 6,5 – 4,0 | 39,0 |
| | | 14950 | 8zu | 8,0 – 5,0 | 39,0 |
| | | 14950 | 9zu | 9,5 – 6,5 | 39,0 |
| Pg 9 | 6,0 | 150 | 7zu | 6,5 – 4,0 | 39,0 |
| | | 150 | 8zu | 8,0 – 5,0 | 39,0 |
| | | 150 | 9zu | 9,5 – 6,5 | 39,0 |
| | | 15051 | 11zu | 10,5 – 7,0 | 39,0 |
| | | 15052 | 13zu | 13,0 – 9,0 | 39,0 |
| Pg 11 | 6,0 | 151 | 7zu | 6,5 – 4,0 | 39,0 |
| | | 151 | 8zu | 8,0 – 5,0 | 39,0 |
| | | 151 | 9zu | 9,5 – 6,5 | 39,0 |
| | | 151 | 11zu | 10,5 – 7,0 | 39,0 |
| | | 15152 | 13zu | 13,0 – 9,0 | 39,0 |
| Pg 13,5 | 6,5 | 152 | 7zu | 6,5 – 4,0 | 39,0 |
| | | 152 | 8zu | 8,0 – 5,0 | 39,0 |
| | | 152 | 9zu | 9,5 – 6,5 | 39,0 |
| | | 152 | 11zu | 10,5 – 7,0 | 39,0 |
| | | 152 | 13zu | 13,0 – 9,0 | 39,0 |
| | | 15253 | 16zu | 15,5 – 11,5 | 40,0 |
| Pg 16 | 6,5 | 153 | 7zu | 6,5 – 4,0 | 41,0 |
| | | 153 | 8zu | 8,0 – 5,0 | 41,0 |
| | | 153 | 9zu | 9,5 – 6,5 | 41,0 |
| | | 153 | 11zu | 10,5 – 7,0 | 41,0 |
| | | 153 | 13zu | 13,0 – 9,0 | 41,0 |
| | | 153 | 16zu | 15,5 – 11,5 | 41,0 |
| | | 15354 | 18zu | 18,0 – 14,0 | 48,0 |
| | | 15354 | 20zu | 20,5 – 17,0 | 48,0 |
| Pg 21 | 7,0 | 154 | 11zu | 10,5 – 7,0 | 48,0 |
| | | 154 | 13zu | 13,0 – 9,0 | 48,0 |
| | | 154 | 16zu | 15,5 – 11,5 | 48,0 |
| | | 154 | 18zu | 18,0 – 14,0 | 48,0 |
| | | 154 | 20zu | 20,5 – 17,0 | 48,0 |
| | | 15455 | 25zu | 25,0 – 20,0 | 51,0 |

15100 | TT00410

 Fortsetzung auf der nächsten Seite
 Continued on next page

U53. UNI Klemm Dicht Pg-Kabelverschraubung
U53. UNI Clamping Dicht Pg cable gland

| Fortsetzung von vorheriger Seite Continued from previous page | | Anschlussgewinde/-länge <i>Connection thread/length</i> | Art.-Nr. <i>Art. no.</i> | Dichtbereich <i>Sealing range</i> | | Bauhöhe <i>Mounting height</i> | Schlüsselweite <i>Spanner width</i> |
|--|-----------------------|---|------------------------------------|---|------------|--|---|
| A | D mm | Ausführung bitte ergänzen Indicate product details | | | | C mm | SW₁ x E₁/SW₂ x E₂ mm |
| | | TPE TPE-V LSR | = d | = p | = i | | |
| Pg 29 | 8,0 | 155 | 16zu | 15,5–11,5 | 51,0 | 40x43,5/0x0 | 10 |
| | | 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 |
| Pg 36 | 9,0 | 156 | 32zu | 32,0–27,0 | 52,0 | 50x54/0x0 | 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 | 64x69/0x0 | 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 LSR nicht lieferbar

* Sealing insert LSR not available

15100 | TT00410

U5. UNI Biegeschutz Dicht Pg-Kabelverschraubung

U5. UNI Dicht Bending Pg cable gland

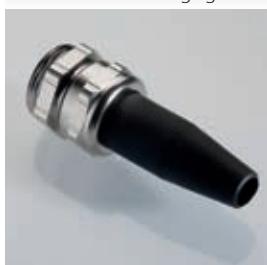


 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

Messing vernickelt
Pg-Anschlussgewinde
Schutzart IP 68 bis 10 bar

Brass nickel plated
Pg connection thread
Type of protection IP 68 up to 10 bar



Passende Gegenmuttern ab Seite 458
Corresponding lock nuts see page 458

Werkstoff Verschraubungskörper
Material gland body

Messing
Brass

Ausführung/Farbe
Version/colour

vernickelt
nickel plated

Werkstoff Dickeinsatz
Material sealing insert

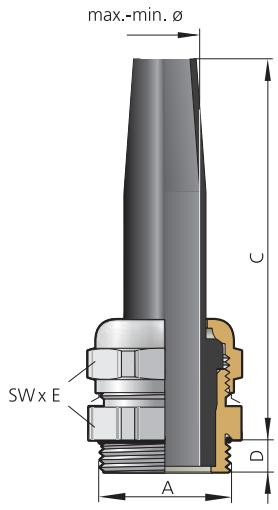
TPE-V

Farbe
Colour

schwarz
black

Temperaturbereich min./max.
Temperature range min./max.

-40 °C / +135 °C


 Abb. 3
Fig. 3

| Anschlussgewinde/-länge <i>Connection thread/length</i> | Art.-Nr. <i>Art. no.</i> | Dichtbereich <i>Sealing range</i> | Bauhöhe <i>Mounting height</i> | Schlüsselweite <i>Spanner width</i> | | |
|---|------------------------------------|---|--|---|---------|----|
| A D mm | | max./min. Ø mm | C mm | SW x E mm | | |
| Pg 7 | 5,0 | 149Lp 4 | 4,0 – 2,5 | 50,0 | 14x15,5 | 50 |
| | | 149Lp 5 | 5,0 – 4,0 | 50,0 | 14x15,5 | 50 |
| | | 14950Lp 6,5* | 6,5 – 4,0 | 54,0 | 17x18,9 | 50 |
| | | 14950Lp 7,5* | 7,5 – 5,0 | 54,0 | 17x18,9 | 50 |
| Pg 9 | 6,0 | 150Lp 6,5 | 6,5 – 4,0 | 54,0 | 17x18,9 | 50 |
| | | 150Lp 7,5 | 7,5 – 5,0 | 54,0 | 17x18,9 | 50 |
| | | 15051Lp 9* | 9,0 – 7,0 | 63,0 | 20x22,2 | 50 |
| | | 15052Lp10,5* | 10,5 – 6,0 | 69,0 | 22x24,4 | 50 |
| Pg 11 | 6,0 | 151Lp 6,5 | 6,5 – 4,0 | 63,0 | 20x22,2 | 50 |
| | | 151Lp 8,5 | 8,5 – 5,0 | 63,0 | 20x22,2 | 50 |
| | | 151Lp 9,5 | 9,5 – 7,0 | 63,0 | 20x22,2 | 50 |
| | | 15152Lp10,5* | 10,5 – 7,0 | 69,0 | 22x24,4 | 50 |
| Pg 13,5 | 6,5 | 152Lp 8,5 | 8,5 – 5,0 | 69,0 | 22x24,4 | 50 |
| | | 152Lp10,5 | 10,5 – 7,0 | 69,0 | 22x24,4 | 50 |
| | | 15253Lp13* | 13,0 – 10,0 | 73,0 | 24x26,7 | 50 |
| | | 15254Lp15,5* | 15,5 – 12,0 | 73,0 | 30x33,5 | 25 |
| Pg 16 | 6,5 | 153Lp 9,5 | 9,5 – 7,5 | 78,0 | 24x26,7 | 50 |
| | | 153Lp10,5 | 10,5 – 8,0 | 78,0 | 24x26,7 | 25 |
| | | 153Lp13 | 13,0 – 10,0 | 78,0 | 24x26,7 | 50 |
| | | 15354Lp15,5* | 15,5 – 12,0 | 78,0 | 30x33,5 | 25 |
| | | 15354Lp17,5* | 17,5 – 14,0 | 78,0 | 30x33,5 | 25 |
| Pg 21 | 7,0 | 154Lp12 | 12,0 – 8,0 | 78,0 | 30x33,5 | 10 |
| | | 154Lp15,5 | 15,5 – 12,0 | 78,0 | 30x33,5 | 10 |
| | | 154Lp17,5 | 17,5 – 14,0 | 78,0 | 30x33,5 | 10 |
| Pg 21 | 8,0 | 15455Lp20,5* | 20,5 – 16,0 | 104,0 | 40x43,5 | 10 |
| | | 15455Lp24* | 24,0 – 20,0 | 104,0 | 40x43,5 | 10 |
| Pg 29 | 8,0 | 155Lp20,5 | 20,5 – 16,0 | 104,0 | 40x43,5 | 10 |
| | | 155Lp24 | 24,0 – 20,0 | 104,0 | 40x43,5 | 10 |
| Pg 29 | 9,0 | 15556Lp28* | 28,0 – 25,0 | 107,0 | 50x54 | 5 |
| | | 15556Lp32* | 32,0 – 28,0 | 107,0 | 50x54 | 5 |
| Pg 36 | 9,0 | 156Lp28 | 28,0 – 25,0 | 107,0 | 50x54 | 5 |
| | | 156Lp32 | 32,0 – 28,0 | 107,0 | 50x54 | 5 |

* Dickeinsatz kurz = Art.-Nr.: Ek...
* Sealing insert short = Art. no.: Ek...

14709 | TT00720

U14. UNI Biegeschutz Dicht Pg-Kabelverschraubung

U14. UNI Dicht Bending Pg cable gland



 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

PA 6-3, Farbe: grau (RAL 7032), schwarz (RAL 9005)

Pg-Anschlussgewinde

Schutzart IP 68 bis 10 bar

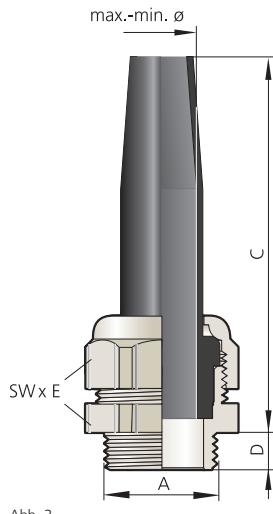
PA 6-3, colour: grey (RAL 7032), black (RAL 9005)

Pg connection thread

Type of protection IP 68 up to 10 bar


 Passende Gegenmuttern ab Seite 458
Corresponding lock nuts see page 458

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteinsatz Material sealing insert | Farbe Colour | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|---|------------------|--|
| PA 6-3 | grau grey | u | TPE-V | schwarz black | -20 °C / +100 °C |
| PA 6-3 | schwarz black | n | TPE-V | schwarz black | -20 °C / +100 °C |


 Abb. 3
Fig. 3

| Anschlussgewinde-/länge Connection thread/length | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | | Dichtbereich Sealing range | Bauhöhe Mounting height | Schlüsselweite Spanner width |
|---|----------------------|---|----------|-------------------------------|----------------------------|---------------------------------|
| | | A mm | D mm | | | |
| Pg 7 | 8,0 | 14950 | Lp 6,5 * | 6,5 – 4,0 | 55,0 | 19x21,2 |
| Pg 9 | 9,0 | 150 | Lp 6,5 | 6,5 – 4,0 | 55,0 | 19x21,2 |
| | | 150 | Lp 7,5 | 7,5 – 5,0 | 55,0 | 19x21,2 |
| Pg 9 | 8,0 | 15051 | Lp 9 * | 9,0 – 7,0 | 64,0 | 22x24,4 |
| Pg 11 | 9,0 | 151 | Lp 6,5 | 6,5 – 4,0 | 64,0 | 22x24,4 |
| | | 151 | Lp 8,5 | 8,5 – 5,0 | 64,0 | 22x24,4 |
| | | 151 | Lp 9,5 | 9,5 – 7,0 | 64,0 | 22x24,4 |
| Pg 11 | 8,0 | 15152 | Lp10,5 * | 10,5 – 6,0 | 72,0 | 24x26,5 |
| Pg 13,5 | 9,0 | 152 | Lp 8,5 | 8,5 – 5,0 | 72,0 | 24x26,5 |
| | | 152 | Lp10,5 | 10,5 – 7,0 | 72,0 | 24x26,5 |
| Pg 13,5 | 8,5 | 15253 | Lp13 * | 13,0 – 10,0 | 76,0 | 27x29,5 |
| Pg 13,5 | 9,0 | 15254 | Lp15,5 * | 15,5 – 12,0 | 76,0 | 33x36,5 |
| Pg 16 | 9,0 | 153 | Lp 9,5 | 9,5 – 7,5 | 76,0 | 27x29,5 |
| | | 153 | Lp10,5 | 10,5 – 8,0 | 76,0 | 27x29,5 |
| | | 153 | Lp13 | 13,0 – 10,0 | 76,0 | 27x29,5 |
| | | 15354 | Lp15,5 * | 15,5 – 12,0 | 80,0 | 33x36,5 |
| | | 15354 | Lp17,5 * | 17,5 – 14,0 | 80,0 | 33x36,5 |
| Pg 21 | 11,0 | 154 | Lp12 | 12,0 – 8,0 | 80,0 | 33x36,5 |
| | | 154 | Lp15,5 | 15,5 – 12,0 | 80,0 | 33x36,5 |
| | | 154 | Lp17,5 | 17,5 – 14,0 | 80,0 | 33x36,5 |
| | | 15455 | Lp20,5 * | 20,5 – 16,0 | 104,0 | 43x46,5 |
| | | 15455 | Lp24 * | 24,0 – 20,0 | 104,0 | 43x46,5 |
| Pg 29 | 11,0 | 155 | Lp20,5 | 20,5 – 16,0 | 108,0 | 43x46,5 |
| | | 155 | Lp24 | 24,0 – 20,0 | 108,0 | 43x46,5 |
| | | 15556 | Lp28 * | 27,5 – 24,0 | 110,0 | 53x57 |
| Pg 36 | 14,0 | 156 | Lp28 | 27,5 – 24,0 | 110,0 | 53x57 |
| | | 156 | Lp32 | 32,0 – 28,0 | 110,0 | 53x57 |

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

* Sealing insert short = Art. no.: Ek...

14800 | TT00710

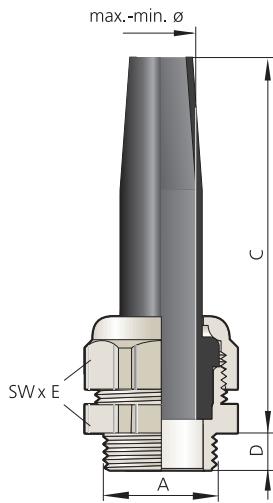
U73. UNI Biegeschutz Dicht Pg-Kabelverschraubung

U73. UNI Dicht Bending Pg cable gland


 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteinsatz Material sealing insert | Farbe Colour | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|---|------------------|--|
| PVDF | transparent | | TPE-V | schwarz black | -40 °C / +135 °C |
| PVDF | schwarz black | n | TPE-V | schwarz black | -40 °C / +135 °C |


 Abb. 3
Fig. 3

| Anschlussgewinde/-länge Connection thread/length | Art.-Nr. Art. no. | Dichtbereich Sealing range | | Bauhöhe Mounting height | Schlüsselweite Spanner width | | |
|---|----------------------|-------------------------------|----------|---|---------------------------------|---------|--------------|
| | | A | D mm | Ausführung bitte ergänzen Indicate product details | max./min. ø mm | C mm | SW x E mm |
| Pg 7 | 8,0 | 14950y | Lp 6,5 * | 6,5 – 4,0 | 55,0 | 19x21,2 | 50 |
| Pg 9 | 8,0 | 150y | Lp 6,5 | 6,5 – 4,0 | 55,0 | 19x21,2 | 50 |
| | | 150y | Lp 7,5 | 7,5 – 5,0 | 55,0 | 19x21,2 | 50 |
| | | 15051y | Lp 9 * | 9,0 – 7,0 | 64,0 | 22x24,5 | 50 |
| Pg 11 | 8,0 | 151y | Lp 6,5 | 6,5 – 4,0 | 64,0 | 22x24,4 | 50 |
| | | 151y | Lp 8,5 | 8,5 – 5,0 | 64,0 | 22x24,4 | 50 |
| | | 151y | Lp 9,5 | 9,5 – 7,0 | 64,0 | 22x24,4 | 50 |
| | | 15152y | Lp10,5 * | 10,5 – 6,0 | 72,0 | 24x26,5 | 50 |
| Pg 13,5 | 9,0 | 152y | Lp 8,5 | 8,5 – 5,0 | 72,0 | 24x26,5 | 50 |
| | | 152y | Lp10,5 | 10,5 – 7,0 | 72,0 | 24x26,5 | 50 |
| Pg 13,5 | 8,5 | 15253y | Lp13 * | 13,0 – 10,0 | 76,0 | 27x29,5 | 50 |
| Pg 13,5 | 9,0 | 15254y | Lp15,5 * | 15,5 – 12,0 | 76,0 | 33x36,5 | 10 |
| Pg 16 | 9,0 | 153y | Lp 9,5 | 9,5 – 7,5 | 76,0 | 27x29,5 | 25 |
| | | 153y | Lp10,5 | 10,5 – 8,0 | 76,0 | 27x29,5 | 25 |
| | | 153y | Lp13 | 13,0 – 10,0 | 76,0 | 27x29,5 | 25 |
| | | 15354y | Lp15,5 * | 15,5 – 12,0 | 80,0 | 33x36,5 | 25 |
| | | 15354y | Lp17,5 * | 17,5 – 14,0 | 80,0 | 33x36,5 | 25 |
| Pg 21 | 11,0 | 154y | Lp12 | 12,0 – 8,0 | 80,0 | 33x36,5 | 10 |
| | | 154y | Lp15,5 | 15,5 – 12,0 | 80,0 | 33x36,5 | 10 |
| | | 154y | Lp17,5 | 17,5 – 14,0 | 80,0 | 33x36,5 | 10 |
| | | 15455y | Lp20,5 * | 20,5 – 16,0 | 104,0 | 43x46,5 | 10 |
| | | 15455y | Lp24 * | 24,0 – 20,0 | 104,0 | 43x46,5 | 10 |
| Pg 29 | 10,5 | 155y | Lp20,5 | 20,5 – 16,0 | 108,0 | 43x46,5 | 10 |
| | | 155y | Lp24 | 24,0 – 20,0 | 108,0 | 43x46,5 | 10 |
| Pg 29 | 11,0 | 15556y | Lp28 * | 27,5 – 24,0 | 110,0 | 53x57 | 5 |
| Pg 36 | 13,0 | 156y | Lp28 | 27,5 – 24,0 | 110,0 | 53x57 | 5 |
| | | 156y | Lp32 | 32,0 – 28,0 | 110,0 | 53x57 | 5 |

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

* Sealing insert short = Art. no.: Ek...

14900 | IT00710

U5. UNI Flex Dicht Pg-Kabelverschraubung
U5. UNI Flex Dicht Pg cable gland


 Abb. 1
Fig. 1

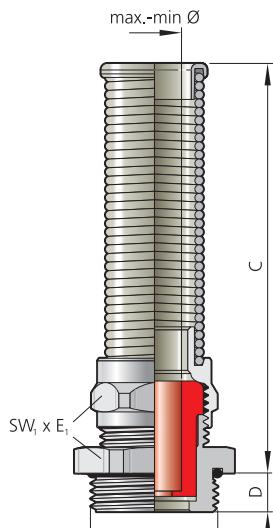
 Abb. 2
Fig. 2

Messing vernickelt, Feder aus Edelstahl
Pg-Anschlussgewinde
Schutzart IP 68 – statisch geprüft
Brass nickel plated, spring made of stainless steel
Pg connection thread
Type of protection IP 68 – statically tested


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 Ader-
bruch.

Flexible lines on robots, hand controllers, foot switched etc. are subjected to spe-
cial 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 Material gland body | Ausführung/Farbe Version/colour | Werkstoff Dickeinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|--|------------------|---|--|
| Messing Brass | vernickelt nickel plated | TPE | s. FC s. CC | | -40 °C / +130 °C |
| Messing Brass | vernickelt nickel plated | TPE-V | natur natural | p | -40 °C / +135 °C |
| Messing Brass | vernickelt nickel plated | LSR | transparent | i | -60 °C / +200 °C |


 Abb. 3
Fig. 3

| Anschlussgewinde/-länge Connection thread/length | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | | | Dichtbereich Sealing range | Bauhöhe Mounting height | Schlüsselweite Spanner width |
|---|----------------------|---|---------|---------------------|-------------------------------|----------------------------|---------------------------------|
| | | A | D mm | TPE TPE-V LSR | = = p = i | max./min. Ø mm | C mm |
| Pg 9 | 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 |
| Pg 11 | 6,0 | 15152dF | 14.07V2 | 6,5 – 4,0 | 80,0 | 22x24,4 | 25 |
| | | 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 |
| Pg 13,5 | 6,5 | 152dF | 14.07V2 | 6,5 – 4,0 | 81,0 | 22x24,4 | 25 |
| | | 152dF | 14.09V2 | 9,5 – 6,5 | 81,0 | 22x24,4 | 25 |
| | | 152dF | 14.11V2 | 10,5 – 7,0 | 81,0 | 22x24,4 | 25 |
| | | 152dF | 14.13V2 | 13,0 – 9,0 | 81,0 | 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

U6. UNI Biege Zug Pg-Kabelverschraubung

U6. UNI Bending Strain Relief Pg cable gland



 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

Messing vernickelt
Pg-Anschlussgewinde
Schutzart IP 54
Integrierte Zugentlastung – vibrationsfest

Brass nickel plated
Pg connection thread
Type of protection IP 54
Integrated strain relief – vibration resistant



Doppelnippel innen geschrägt, deshalb Lieferform nur komplett
Internal chamfered double nipple, therefore delivery only of complete articles

Werkstoff Verschraubungskörper
 Material gland body

 Messing
 Brass

Ausführung/Farbe
 Version/colour

 vernickelt
 nickel plated

Werkstoff Dichteinsatz
 Material sealing insert

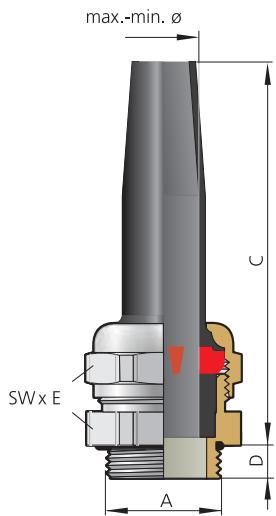
TPE-V

Farbe

 schwarz
 black

Temperaturbereich min./max.
 Temperature range min./max.

-20 °C / +100 °C


 Abb. 3
Fig. 3

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

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



Passende Gegenmuttern ab Seite 458
Corresponding lock nuts see page 458

15390 | TT00720

U15. UNI Biege Zug Pg-Kabelverschraubung

U15. UNI Bending Strain Relief Pg cable gland



 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

PA 6-3, Farbe: grau (RAL 7032), schwarz (RAL 9005)

Pg-Anschlussgewinde

Schutzart IP 54

Integrierte Zugentlastung – vibrationsfest

PA 6-3, colour: grey (RAL 7032), black (RAL9005)

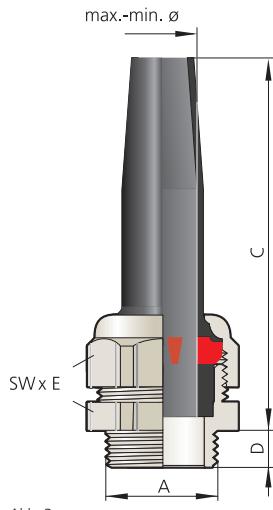
Pg connection thread

Type of protection IP 54

Integrated strain relief – non vibration


 Doppelnippel innen geschrägt, deshalb Lieferform nur komplett
Internal chamfered double nipple, therefore delivery only of complete articles

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteinsatz Material sealing insert | Farbe Colour | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|---|------------------|--|
| PA 6-3 | grau grey | u | TPE-V | schwarz black | -20 °C / +100 °C |
| PA 6-3 | schwarz black | n | TPE-V | schwarz black | -20 °C / +100 °C |


 Abb. 3
Fig. 3

| Anschlussgewinde-länge Connection thread/length | Art.-Nr. Art. no. | Ausführung bitte ergänzen Indicate product details | | Dichtbereich Sealing range | Bauhöhe Mounting height | Schlüsselweite Spanner width |
|--|----------------------|---|---------|-------------------------------|----------------------------|---------------------------------|
| | | A mm | D mm | | | |
| Pg 9 | 8,0 | 15051 | Lzp 9 * | 9,0 – 6,0 | 64,0 | 22x24,5 |
| Pg 11 | 9,0 | 151 | Lzp 9 | 9,0 – 6,0 | 64,0 | 22x24,5 |
| Pg 11 | 8,0 | 15152 | Lzp11 * | 10,5 – 8,5 | 72,0 | 24x26,5 |
| Pg 13,5 | 9,0 | 152 | Lzp 9 | 9,5 – 6,5 | 72,0 | 24x26,5 |
| | | 152 | Lzp11 | 10,5 – 8,5 | 72,0 | 24x26,5 |
| Pg 13,5 | 8,5 | 15253 | Lzp13 * | 13,0 – 9,0 | 75,0 | 27x29,5 |
| Pg 16 | 9,0 | 153 | Lzp 9 | 9,5 – 6,5 | 76,0 | 27x29,5 |
| | | 153 | Lzp11 | 10,5 – 8,5 | 76,0 | 27x29,5 |
| | | 153 | Lzp13 | 13,0 – 9,0 | 76,0 | 27x29,5 |
| | | 15354 | Lzp16 * | 15,5 – 13,0 | 80,0 | 33x36,5 |
| Pg 21 | 11,0 | 154 | Lzp13 | 13,0 – 9,0 | 80,0 | 33x36,5 |
| | | 154 | Lzp16 | 15,5 – 13,0 | 80,0 | 33x36,5 |
| | | 154 | Lzp18 | 17,5 – 14,0 | 80,0 | 33x36,5 |
| | | 15455 | Lzp21 * | 20,5 – 17,0 | 104,0 | 43x46,5 |
| Pg 29 | 11,0 | 155 | Lzp21 | 20,0 – 17,0 | 108,0 | 43x46,5 |
| | | 155 | Lzp25 | 24,0 – 21,0 | 108,0 | 43x46,5 |

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

* Sealing insert short = Art. no.: Ek...


 Passende Gegenmuttern ab Seite 458
Corresponding lock nuts see page 458

15400 | T100710

U74. UNI Biege Zug Pg-Kabelverschraubung

U74. UNI Bending Strain Relief Pg cable gland

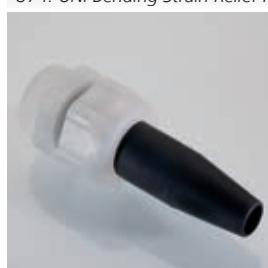

 Abb. 1
Fig. 1

 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

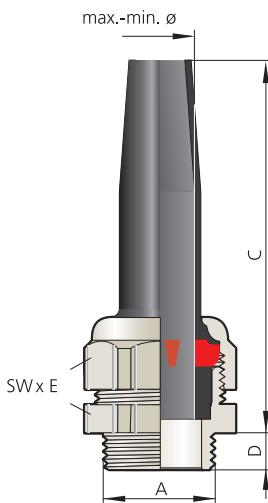
Integrated strain relief – vibration resistant



Doppelnippel innen geschrägt, deshalb Lieferform nur komplett

Internal chamfered double nipple, therefore delivery only of complete articles

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Bestellschlüssel Art. no. supplement | Werkstoff Dichteneinsatz Material sealing insert | Farbe Colour | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|---|------------------|--|
| PVDF | transparent | | TPE-V | schwarz black | -20 °C / +100 °C |
| PVDF | blau blue | a | TPE-V | schwarz black | -20 °C / +100 °C |
| PVDF | schwarz black | n | TPE-V | schwarz black | -20 °C / +100 °C |


 Abb. 3
Fig. 3

| Anschlussgewinde/-länge Connection thread/length | Art.-Nr. Art. no. | Dichtbereich Sealing range | | Bauhöhe Mounting height | Schlüsselweite Spanner width | |
|---|----------------------|---|-------------|----------------------------|---------------------------------|------|
| | | A | D mm | | | |
| | | Ausführung bitte ergänzen Indicate product details | | | | |
| A | Pg 7 | transparent | = | max./min. Ø mm | SW x E mm | |
| | | blau/blue | = a | | | |
| D mm | | schwarz/black | = n | | | |
| Pg 9 | 14950y | Lzp 7 * | 6,5 – 4,5 | 55,0 | | |
| | Pg 9 | | 150y | Lzp 7 | 6,5 – 4,5 | 55,0 |
| | | | 15051y | Lzp 9 * | 9,0 – 6,0 | 64,0 |
| Pg 9 | 15052y | Lzp11 * | 10,5 – 8,5 | 72,0 | 24x26,5 | |
| | Pg 11 | 151y | Lzp 9 | 9,5 – 6,5 | 64,0 | |
| Pg 11 | | 15152y | Lzp11 * | 10,5 – 8,5 | 72,0 | |
| Pg 11 | 15153y | Lzp13 * | 13,0 – 9,0 | 76,0 | | |
| Pg 13,5 | Pg 13,5 | 152y | Lzp 9 | 9,5 – 6,5 | 72,0 | |
| | | 152y | Lzp11 | 10,5 – 8,5 | 72,0 | |
| Pg 13,5 | 15253y | Lzp13 * | 13,0 – 9,0 | 76,0 | 24x26,5 | |
| | 15254y | Lzp16 * | 15,5 – 13,0 | 76,0 | 24x26,5 | |
| Pg 16 | Pg 16 | 153y | Lzp 9 | 9,5 – 6,5 | 80,0 | |
| | | 153y | Lzp11 | 10,5 – 8,5 | 80,0 | |
| | | 153y | Lzp13 | 13,0 – 9,0 | 80,0 | |
| | | 15354y | Lzp16 * | 15,5 – 13,0 | 80,0 | |
| Pg 21 | Pg 21 | 154y | Lzp13 | 13,0 – 9,0 | 104,0 | |
| | | 154y | Lzp16 | 15,5 – 13,0 | 104,0 | |
| | | 154y | Lzp18 | 17,5 – 14,0 | 104,0 | |
| | | 15455y | Lzp21 * | 20,0 – 17,0 | 104,0 | |
| Pg 29 | Pg 29 | 155y | Lzp21 | 20,0 – 17,0 | 108,0 | |
| | | 155y | Lzp25 | 24,0 – 21,0 | 108,0 | |

* Dichteneinsatz kurz = Art.-Nr.: Ek...

* Sealing insert short = Art. no.: Ek...

15500 | T00710

U2. Z. UNI Zoll Dicht-Kabelverschraubung
U2. Z. UNI Inch Dicht cable gland

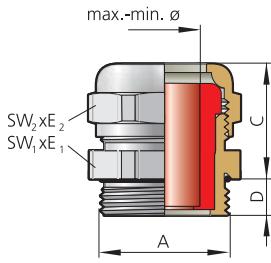

 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

Messing vernickelt
Zylindrisches Whitworth-Zoll-Gewinde DIN EN ISO 228-1
Schutzart IP 68 bis 10 bar

Brass nickel plated
Whitworth inch thread DIN EN ISO 228-1
Type of protection IP 68 up to 10 bar

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Werkstoff Dickeinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|--|-------------------------|---|--|
| Messing Brass | vernickelt <i>nickel plated</i> | TPE | s. FC s. CC | | -40 °C / +130 °C |
| Messing Brass | vernickelt <i>nickel plated</i> | TPE-V | natur <i>natural</i> | p | -40 °C / +135 °C |
| Messing Brass | vernickelt <i>nickel plated</i> | LSR | transparent | i | -60 °C / +200 °C |


 Abb. 3
Fig. 3

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

* Dickeinsatz aus LSR nicht lieferbar
 * Sealing insert LSR not available

U47. UNI NPT Dicht-Kabelverschraubung

U47. UNI NPT Dicht cable gland


 Abb. 1
Fig. 1

 Abb. 2
Fig. 2

Messing vernickelt
Kegeliges NPT-Gewinde ASAB 2.1-1960
Schutztart IP 68 bis 10 bar

Brass nickel plated
Tapered NPT thread ASAB 2.1-1960
Type of protection IP 68 up to 10 bar

i 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 gem. ASAB 2.1-1960 genormt.

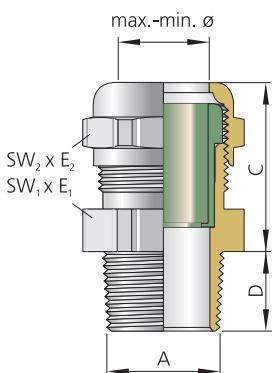
Zur UNI NPT Dicht-Kabelverschraubung passen alle Einsatzdichtungen des PFLITSCH® Systems UNI Dicht® für die Aufgaben:

- erhöhte Zugentlastung
- mehrfach
- flache Kabel
- ASi Bus Kabel
- Biegeschutz
- geschlossene Einsätze und Druckschrauben mit:
 - Schlauchstutzen
 - Zugentlastung
 - Federbiegeschutz

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

- increased stress relief
- multiple (mehrfach)
- flat cables
- ASi bus cables
- bending protection
- closed inserts and pressure screws with:
 - hose nozzles
 - strain relief
 - spring-bending protection

| Werkstoff Verschraubungskörper Material gland body | Ausführung/Farbe Version/colour | Werkstoff Dichteinsatz Material sealing insert | Farbe Colour | Bestellschlüssel Art. no. supplement | Temperaturbereich min./max. Temperature range min./max. |
|---|------------------------------------|---|------------------|---|--|
| Messing Brass | vernickelt nickel plated | TPE | s. FC s. CC | | -40 °C / +130 °C |
| Messing Brass | vernickelt nickel plated | TPE-V | natur natural | p | -40 °C / +135 °C |
| Messing Brass | vernickelt nickel plated | LSR | transparent | i | -60 °C / +200 °C |


 Abb. 3
Fig. 3

| Anschlussgewinde/-länge Version/colour | Art.-Nr. Art. no. | Dichtbereich Sealing range | | | Bauhöhe Mounting height | Schlüsselweite Spanner width | | |
|---|----------------------|-------------------------------|---------|---------------------|----------------------------|---------------------------------|---------|--|
| | | A | D mm | TPE TPE-V LSR | = = p = i | max./min. Ø mm | C mm | SW ₁ x E ₁ /SW ₂ x E ₂ mm |
| NPT3/8" | 13,0 | 303851d | 7 | 6,5 – 4,0 | 28,0 | 20x22,2 | 50 | |
| | | | 8 | 8,0 – 5,0 | 28,0 | 20x22,2 | 50 | |
| | | | 9 | 9,5 – 6,5 | 28,0 | 20x22,2 | 50 | |
| | | | 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 | |
| | | | 8 | 8,0 – 5,0 | 28,0 | 24x26,7/22x24,4 | 50 | |
| | | | 9 | 9,5 – 6,5 | 28,0 | 24x26,7/22x24,4 | 50 | |
| | | | 11 | 10,5 – 7,0 | 28,0 | 24x26,7/22x24,4 | 50 | |
| | | | 13 | 13,0 – 9,0 | 28,0 | 24x26,7/22x24,4 | 50 | |
| | | | 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 | |
| | | | 13 | 13,0 – 9,0 | 35,0 | 30x33,5 | 25 | |
| | | | 16 | 15,5 – 11,5 | 35,0 | 30x33,5 | 25 | |
| | | | 18 | 18,0 – 14,0 | 35,0 | 30x33,5 | 25 | |
| | | | 20 | 20,5 – 17,0 | 35,0 | 30x33,5 | 25 | |
| NPT1" | 20,0 | 310055d | 16 | 15,5 – 11,5 | 39,0 | 40x43,5 | 10 | |
| | | | 18 | 18,0 – 14,0 | 39,0 | 40x43,5 | 10 | |
| | | | 20 | 20,5 – 17,0 | 39,0 | 40x43,5 | 10 | |
| | | | 25 | 25,0 – 20,0 | 39,0 | 40x43,5 | 10 | |
| | | | 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 | |
| | | | 34 | 34,0 – 29,0 | 40,0 | 50x54 | 10 | |
| | | | 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 | |
| | | | 40 * | 40,0 – 36,0 | 40,0 | 57x61,5 | 5 | |
| NPT2" | 25,0 | 320058d | 44 * | 44,0 – 39,0 | 40,0 | 64x69 | 1 | 15700 IT00400 |

* Dichteinsatz aus LSR nicht lieferbar
 * Sealing insert LSR not available

Übersichtstabelle der UNI Dicht®-Komponenten – Pg
Overview of UNI Dicht® components – Pg
Ms vernickelt, Edelstahl 1.4305, PA 6-3 Farbe grau (RAL 7032), PVDF Farbe transparent, mit Pg-Gewinde Schutzart IP 68 bis 10 bar
*Brass nickel plated, stainless steel AISI 303, PA 6-3 colour grey (RAL 7032), PVDF colour transparent, with Pg connecting thread
type of protection: IP 68 up to 10 bar*

| Anschlussgewinde <i>Connection thread</i> | Messing vernickelt <i>Brass nickel plated</i> | | | Edelstahl 1.4305 <i>Stainless steel AISI 303</i> | | | PA 6-3 <i>PA 6-3</i> |
|---|---|------------------------|------------------------|--|------------------------|------------------------|--------------------------------|
| A | DS¹⁾ | DN¹⁾ | VK¹⁾ | DS¹⁾ | DN¹⁾ | VK¹⁾ | DS¹⁾ |
| Pg 7 | DS 149d | DN 149d | VK 149d | DS 149st | DN 149st | VK 149st | DS 149u |
| Pg 7 | DS 150d | DN 14950d | VK 14950d | | | | DS 150u |
| Pg 7 | DS 151d | DN 14951d | VK 14951d | | | | |
| Pg 9 | DS 150d | DN 150d | VK 150d | DS 150st | DN 150st | VK 150st | DS 150u |
| Pg 9 | DS 151d | DN 15051d | VK 15051d | | | | DS 151u |
| 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 151u |
| Pg 11 | DS 152d | DN 15152d | VK 15152d | | | | DS 152u |
| 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 152u |
| Pg 13,5 | DS 153d | DN 15253d | VK 15253d | | | | DS 153u |
| Pg 13,5 | DS 154d18 | DN 15254d | VK 15254d18 | | | | DS 154u |
| Pg 13,5 | DS 154d21 | DN 15254d | VK 15254d21 | | | | |
| Pg 16 | DS 153d | DN 153d | VK 153d | DS 153st | DN 153st | VK 153st | DS 153u |
| Pg 16 | DS 154d18 | DN 15354d | VK 15354d18 | | | | DS 154u |
| Pg 16 | DS 154d21 | DN 15354d | VK 15354d21 | | | | |
| Pg 16 | | | | | | | |

1) Abkürzungen s. Seite 152 bis 155 * Werkstoff POM (Farbe weiß), Temperaturbereich: -40 °C bis +110 °C.

1) Short cuts see page 152 to 155 * Material POM (white colour), Temperature range: -40 °C up to +110 °C.

| PA 6-3 PA 6-3 | | PVDF PVDF | | | Dichteinsätze Sealing inserts | | | TPE geschlossen TPE closed |
|------------------|------------------|------------------|------------------|------------------|----------------------------------|-------------|-------------|-------------------------------|
| DN ¹⁾ | VK ¹⁾ | DS ¹⁾ | DN ¹⁾ | VK ¹⁾ | TPE | TPE-V | LSR | |
| DN 149u | VK 149u | DS 149y | DN 149y | VK 149y | E 149/ 7 | E 149p 7 | E 149i 7 | E 149g |
| DN 14950u | VK 14950u | DS 150y | DN 14950y | VK 14950y | Ek150/ 8 | Ek150p 8 | Ek150i 8 | Ek150g |
| | | | | | Ek150/ 9 | Ek150p 9 | Ek150i 9 | |
| | | | | | Ek151/ 8 | Ek151p 8 | | Ek151g |
| | | | | | Ek151/ 9 | Ek151p 9 | Ek151i 9 | |
| DN 150u | VK 150u | DS 150y | DN 150y | VK 150y | Ek151/11 | Ek151p11 | Ek151i11 | |
| | | | | | E 150/ 7 | E 150p 7 | E 150i 7 | E 150g |
| | | | | | E 150/ 8 | E 150p 8 | E 150i 8 | |
| DN 15051u | VK 15051u | DS 151y | DN 15051y | VK 15051y | E 150/ 9 | E 150p 9 | E 150i 9 | |
| | | | | | Ek151/11 | Ek151p11 | Ek151i11 | Ek151g |
| | | | | | DS 152y | DN 15052y | VK 15052y | |
| | | | | | Ek152/11 | Ek152p11 | Ek152i11 | Ek152g |
| | | | | | Ek152/13 | Ek152p13 | Ek152i13 | |
| DN 151u | VK 151u | DS 151y | DN 151y | VK 151y | Ek153/11 | Ek153p11 | Ek153i11 | Ek153g |
| | | | | | Ek153/13 | Ek153p13 | Ek153i13 | |
| | | | | | Ek153/16 | Ek153p16 | Ek153i16 | |
| | | | | | E 151/ 7 | E 151p 7 | E 151i 7 | E 151g |
| DN 15152u | VK 15152u | DS 152y | DN 15152y | VK 15152y | E 151/ 8 | E 151p 8 | E 151i 8 | |
| | | | | | E 151/ 9 | E 151p 9 | E 151i 9 | |
| | | | | | E 151/11 | E 151p11 | E 151i11 | |
| | | | | | DS 153y | DN 15153y | VK 15153y | |
| | | | | | Ek152/13 | Ek152p13 | Ek152i13 | Ek152g |
| DN 152u | VK 152u | DS 152y | DN 152y | VK 152y | Ek153/13 | Ek153p13 | Ek153i13 | Ek153g |
| | | | | | Ek153/16 | Ek153p16 | Ek153i16 | |
| | | | | | DS 154y | DN 15154p * | VK 15154p * | |
| | | | | | Ek154/13 | Ek154p13 | Ek154i13 | Ek154g |
| | | | | | Ek154/16 | Ek154p16 | Ek154i16 | |
| DN 15253u | VK 15253u | DS 153y | DN 15253y | VK 15253y | Ek154/18 | Ek154p18 | Ek154i18 | |
| | | | | | Ek154/20 | Ek154p20 | Ek154i20 | |
| | | | | | DS 152y | DN 152y | VK 152y | |
| | | | | | E 152/ 7 | E 152p 7 | E 152i 7 | E 152g |
| | | | | | E 152/ 8 | E 152p 8 | E 152i 8 | |
| DN 15254u | VK 15254u | DS 154y | DN 15254y | VK 15254y | E 152/ 9 | E 152p 9 | E 152i 9 | |
| | | | | | E 152/11 | E 152p11 | E 152i11 | |
| | | | | | E 152/13 | E 152p13 | E 152i13 | |
| | | | | | DS 153y | DN 153y | VK 153y | |
| | | | | | Ek153/16 | Ek153p16 | Ek153i16 | |
| DN 153u | VK 153u | DS 153y | DN 153y | VK 153y | E 153/ 7 | E 153p 7 | E 153i 7 | E 153g |
| | | | | | E 153/ 8 | E 153p 8 | | |
| | | | | | E 153/ 9 | E 153p 9 | E 153i 9 | |
| | | | | | E 153/11 | E 153p11 | E 153i11 | |
| | | | | | E 153/13 | E 153p13 | E 153i13 | |
| DN 15354u | VK 15354u | DS 154y | DN 15354y | VK 15354y | E 153/16 | E 153p16 | E 153i16 | |
| | | | | | Ek154/16 | Ek154p16 | Ek154i16 | Ek154g |
| | | | | | Ek154/18 | Ek154p18 | Ek154i18 | |
| | | | | | Ek154/20 | Ek154p20 | Ek154i20 | Ek154g |
| | | | | | DS 155y | DN 15355y | VK 15355y | |
| | | | | | Ek155/18 | Ek155p18 | Ek155i18 | Ek155g |
| | | | | | Ek155/20 | Ek155p20 | Ek155i20 | |
| | | | | | Ek155/25 | Ek155p25 | Ek155i25 | |
| | | | | | Ek155/28 | Ek155p28 | Ek155i28 | |

Fortsetzung auf der nächsten Seite ►
Continued on next page

Übersichtstabelle der UNI Dicht®-Komponenten – Pg
Overview of UNI Dicht® components – Pg
Ms vernickelt, Edelstahl 1.4305, PA 6-3 Farbe grau (RAL 7032), PVDF Farbe transparent, mit Pg-Gewinde Schutzart IP 68 bis 10 bar
Brass nickel plated, stainless steel AISI 303, PA 6-3 colour grey (RAL 7032), PVDF colour transparent, with Pg connecting thread
type of protection: IP 68 up to 10 bar

Fortsetzung von vorheriger Seite

Continued from previous page

| Anschlussgewinde Connection thread | Messing vernickelt Brass nickel plated | | | Edelstahl 1.4305 Stainless steel AISI 303 | | | PA 6-3 PA 6-3 |
|---------------------------------------|---|------------------|------------------|--|------------------|------------------|------------------|
| A | DS ¹⁾ | DN ¹⁾ | VK ¹⁾ | DS ¹⁾ | DN ¹⁾ | VK ¹⁾ | DS ¹⁾ |
| 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 154u |
| Pg 21 | DS 154d21 | DN 154d | VK 154d20 | DS 154st21 | DN 154st | VK 154st20 | DS 154u |
| 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 155u |
| Pg 29 | DS 156d | DN 15556d | VK 15556d | | | | DS 156u |
| Pg 36 | DS 155d | DN 15655d | VK 15655d | | | | |
| Pg 36 | DS 156d | DN 156d | VK 156d | DS 156st | DN 156st | VK 156st | DS 156u |
| 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 s. Seite 152 bis 155 * Werkstoff POM (Farbe weiß), Temperaturbereich: -40 °C bis +110 °C.

1) Short cuts see page 152 to 155 * Material POM (white colour), Temperature range: -40 °C up to +110 °C.

| PA 6-3 PA 6-3 | | PVDF PVDF | | Dichteinsätze Sealing inserts | | | | |
|------------------|------------------|------------------|------------------|----------------------------------|-------------|-------------|-----------|-------------------------------|
| DN ¹⁾ | VK ¹⁾ | DS ¹⁾ | DN ¹⁾ | VK ¹⁾ | TPE | TPE-V | LSR | TPE geschlossen TPE closed |
| DN 154u | VK 154u | DS 154y | DN 154y | VK 154y | E 152/ 7 | E 152p 7 | E 152i 7 | E 152g |
| | | | | | E 152/ 8 | E 152p 8 | E 152i 8 | |
| | | | | | E 152/ 9 | E 152p 9 | E 152i 9 | |
| | | | | | E 153/ 7 | E 153p 7 | E 153i 7 | E 153g |
| | | | | | E 153/ 8 | E 153p 8 | | |
| | | | | | E 153/ 9 | E 153p 9 | E 153i 9 | |
| DN 154u | VK 154u | DS 154y | DN 154y | VK 154y | E 154/11 | E 154p11 | | E 154g |
| | | | | | E 154/13 | E 154p13 | E 154i13 | |
| | | | | | E 154/16 | E 154p16 | E 154i16 | |
| | | | | | E 154/18 | E 154p18 | E 154i18 | |
| DN 154u | VK 154u | DS 154y | DN 154y | VK 154y | E 154/20 | E 154p20 | E 154i20 | E 154g |
| | | | | | Ek155/25 | Ek155p25 | Ek155i25 | Ek155g |
| | | | | | Ek155/28 | Ek155p28 | Ek155i28 | |
| | | | | | Ek156/32 | Ek156p32 | Ek156i32 | Ek156g |
| | | | | | Ek156/34 | Ek156p34 | Ek156i34 | |
| | | | | | Ek156/36 | Ek156p36 | Ek156i36 | |
| DN 155u | VK 155u | DS 155y | DN 155y | VK 155y | E 153/ 7 | E 153p 7 | E 153i 7 | E 153g |
| | | | | | E 153/ 8 | E 153p 8 | | |
| | | | | | E 153/ 9 | E 153p 9 | E 153i 9 | |
| | | | | | E 153/11 | E 153p11 | E 153i11 | |
| | | | | | E 153/13 | E 153p13 | E 153i13 | |
| | | | | | Ek154/11 | Ek154p11 | | Ek154g |
| DN 155u | VK 155u | DS 155y | DN 155y | VK 155y | Ek154/13 | Ek154p13 | Ek154i13 | |
| | | | | | E 155/16 | E 155p16 | | E 155g |
| | | | | | E 155/18 | E 155p18 | E 155i18 | |
| | | | | | E 155/20 | E 155p20 | E 155i20 | |
| | | | | | E 155/25 | E 155p25 | E 155i25 | |
| DN 15556u | VK 15556u | DS 156y | DN 15556y | VK 15556y | E 155/28 | E 155p28 | E 155i28 | |
| | | | | | Ek156/32 | Ek156p32 | Ek156i32 | Ek156g |
| | | | | | Ek156/34 | Ek156p34 | Ek156i34 | |
| | | | | | Ek156/36 | Ek156p36 | Ek156i36 | |
| DN 156u | VK 156u | DS 156y | DN 156y | VK 156y | E 155/16 | E 155p16 | | E 155g |
| | | | | | E 155/18 | E 155p18 | E 155i18 | |
| | | | | | E 155/20 | E 155p20 | E 155i20 | |
| | | | | | E 155/25 | E 155p25 | E 155i25 | |
| | | | | | E 155/28 | E 155p28 | E 155i28 | |
| DN 156u | VK 156u | DS 156y | DN 156y | VK 156y | E 156/32 | E 156p32 | E 156i32 | E 156g |
| | | | | | E 156/34 | E 156p34 | E 156i34 | |
| | | | | | E 156/36 | E 156p36 | E 156i36 | |
| | | | | | E 157/40 HF | E 157p40 HF | | Ek157g |
| | | | | | DS 157p * | DN 157p * | VK 157p * | E 157/40 |
| | | | | | DS 158p * | DN 158p * | VK 158y * | E 158/44 |
| | | | | | | | | E 158g |

