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Schlauch-Kabelverschraubungen, Schlauchverschraubungen + Schläuche

Hose cable glands, hose glands + hoses



Für den sicheren mechanischen Schutz

*For safe mechanical
protection*



Abb. 1 – UNI Schlauch-Kabelverschraubung
Fig. 1 – UNI Hose cable gland

Abb. 2 – UNI Schlauch-Kabelverschraubung
Fig. 2 – UNI Hose cable gland

Abb. 3 – Roboter Schlauchverschraubung
Fig. 3 – Robotic hose gland

Abb. 4 – UNI UL Schlauch-Kabelverschraubung
Fig. 4 – UNI UL hose cable gland

Mechanischer und thermischer Kabelschutz

Um Kabel sicher zu einem Gehäuse oder Schaltschrank zu führen, werden sie oft mit Schutzschläuchen vor Beschädigungen und äußeren Einflüssen geschützt. Auch bei der Einführung in das Gehäuse oder den Schaltschrank soll das Kabel nicht beschädigt werden. Hierfür bieten PFLITSCH-Schlauchverschraubungen und Schlauch-Kabelverschraubungen den nötigen Schutz. Für glatte, dünne und gewellte bzw. stabilisierte Schläuche bietet das Programm UNI Dicht® verschiedene Lösungen.

Schlauch-Kabelverschraubungen

Neben der sicheren Führung des Kabels bis zur Einführung ist es notwendig, das Gehäuseinnere vor Staub- und Wassereintritt zu schützen. Das UNI Dicht®-System hält hierfür die Schlauch-Kabelverschraubungen bereit, die neben dem geschützten Anschluss des Schlauches auch das Kabel mithilfe des Dichteinsatzes bis IP 68 (10 bar) abdichten und eine hohe Zugentlastung gewährleisten. Die Schlauch-Kabelverschraubungen sind als EMV-Varianten und mit Mehrfach-Dichteinsatzes verfügbar.

Schlauchverschraubungen

Mit den Schlauchverschraubungen aus dem UNI Dicht®-System werden Schutzschläuche sicher mit der Kabelverschraubung verbunden. So kommt das Kabel sicher im Gehäuse oder Schaltschrank an. Diese Verschraubungsvarianten sind ohne Dichteinsätze. Schlauchverschraubungen bieten die Schutzart IP 54.

Immer das Passende dabei

Die Schlauch-Kabelverschraubungen und Schlauchverschraubungen gibt es für unterschiedliche Schlauchvarianten: Angefangen von Schläuchen mit Stahlgeflecht über UL-Schläuche und Wellrohre bis hin zu glatten Schläuchen gibt es im PFLITSCH-Sortiment eine Lösung.

Neben dem Baukastensystem bietet PFLITSCH auch Anpassungen für individuelle Schläuche.

Mechanical and thermal cable protection

In order to securely lead cables into a housing or control cabinet they are often protected from damage and external influences using protective hoses. The cable should also not suffer damage at the point of entry into the housing or cabinet. For this purpose, PFLITSCH offers hose glands and hose cable glands that provide the necessary protection. For smooth, thin-walled and corrugated or stabilised hoses – the UNI Dicht® range delivers the required solutions.

Hose cable glands

In addition to the secure routing of the cable as far as the cable entry point, it is also necessary to protect the interior of the housing from the ingress of dust and moisture. The UNI Dicht® system provides the hose cable glands necessary for this purpose. In addition to achieving the protected termination of the cable, these glands also maintain a tightness of up to IP 68 (10 bar) – with the help of the sealing insert – and a high degree of strain relief. The hose cable glands are also available in EMC versions with multiple sealing inserts.

Hose glands

Using hose glands from the UNI Dicht® system, protective hoses are securely connected to the cable gland. This ensures that the cable securely enters the housing or control cabinet. These gland variants do not have sealing inserts. The hose glands meet IP 54.

There's always a suitable solution

The hose cable glands and hose glands are available for various types of hose: From hoses with steel braiding through UL hoses and corrugated hoses – right up to smooth hoses – a solution can always be found from the PFLITSCH range.

In addition to the modular system, PFLITSCH also offers customised hose fittings.



1



2



3

Abb. 1 – UNI Wellrohr-Kabelverschraubung
Fig. 1 – UNI corrugated conduit cable gland

Abb. 2 – Schlauchstutzen
Fig. 2 – Hose socket

Abb. 3 – UNI Wellrohr-Kabelverschraubung
Fig. 3 – UNI corrugated conduit cable gland

Kombinationsmöglichkeiten von Kabelverschraubungen und Schläuchen

Combination possibilities of cable glands and hoses



Wellrohr leicht (S53.1.)
Corrugated conduit light (S53.1.)



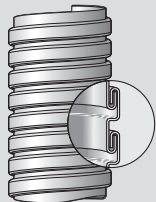
Wellrohr mittel (S53.2.)
Corrugated conduit middle (S53.2.)

	Material Material	Gewinde Thread	Seite Page	447	448
UNI SVD Schlauch-Kabelverschraubung (U68.) <i>UNI SVD hose cable gland (U68.)</i>	Messing Brass	M	424		
		Pg	437		
SVD Schlauchverschraubung (S5.) <i>SVD hose gland (S5.)</i>	Messing Brass	M	425		
		Pg	438		
Roboter Schlauchverschraubung (S44.) <i>Robotic hose gland (S44.)</i>	Messing Brass	M	426		
		Pg	439		
UNI Wellrohr Kabelverschraubung (U79.)/(U66.) <i>UNI Corrugated conduit cable gland (U79.)/(U66.)</i>	Messing Brass PVDF	M	427 - 428	✓	✓
		Pg	440		
UNI UL-Schlauch Kabelverschraubung (U51.)/(U43.) <i>UNI UL hose cable gland (U51.)/(U43.)</i>	Messing Brass PVDF	M	429 - 430		
		Pg	441 - 442		
UNI S-Schlauch Kabelverschraubung (U78.)/(U70.) <i>UNI S Hose cable gland (U78.)/(U70.)</i>	Messing Brass PVDF	M	431 - 432		
UNI Schlauch Kabelverschraubung (U8.)/(U30.) <i>UNI Hose cable gland (U8.)/(U30.)</i>	Messing Brass PA 6-3	M	433 - 435		
		Pg	443 - 445		
Schlauchstutzen (S1.) <i>Hose socket (S1.)</i>	Messing Brass	M	436		
		Pg	446		
Schlauchstutzen (S2.) <i>Hose socket (S2.)</i>	PA 6-3	M	436		

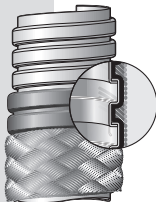
Kombinationsmöglichkeit gegeben ✓
Possible combination given



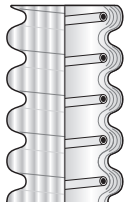
Spiralschlauch mit Stahlgeflecht (S16.)
Spiral tube with steel braiding (S16.)



Metallschutzschlauch (S68.)
Metal conduit hose (S68.)



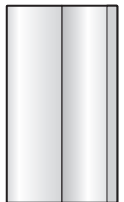
Metallschutzschlauch mit Stahlgeflecht (S69.)
Metal conduit hose (S69.)



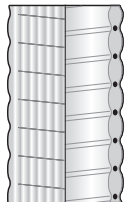
UL-Schlauch (S47.)
UL hose (S47.)



Flexibler Schutzschlauch (S28.)
Flexible hose (S28.)



Silber-Schlauch (S8.)
Silver tube (S8.)



Spiralschlauch (S3.)
Spiral tube (S3.)

449	450	450	451	451	452	452
✓	✓	✓				
✓	✓	✓				
				✓		
			✓			
					✓	
					✓	✓
					✓	✓
					✓	✓

U68. UNI SVD Schlauch-Kabelverschraubung

U68. UNI SVD hose cable gland



Abb. 1
Fig. 1



Abb. 2
Fig. 2

Messing vernickelt
Metrisches Anschlussgewinde EN 60423
Schutzart IP 68 bis 10 bar (zum Kabel)

Brass, nickel plated
Metric connection thread EN 60423
Type of protection IP 68 up to 10 bar (at the cable)

i **Elektro-Schutzschlauchverschraubung zur Montage von z. B. Spiralschläuchen mit Stahlgeflecht und gleichzeitiger Kabelabdichtung/Zugentlastung**
Electrical protection hose gland to install spiral hoses with steel braid and to seal the cable incl. strain relief

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

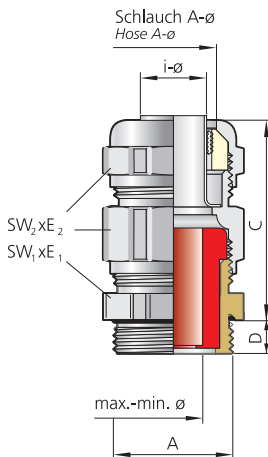


Abb. 3
Fig. 3

Anschlussgewinde/ Art.-Nr. -länge Connection thread/ Art. no. length		Ausführung bitte ergänzen Indicate product details		Schlauchdurchmesser A Hose diameter A	NW Rated size	Dichtbereich Sealing range	Bauhöhe Mounting height	Schlüsselweite Spanner width			
A	D mm	TPE = p TPE-V = i LSR = i		max./min. Ø	i-Ø mm	max./min. Ø mm	C mm	SW ₁ x E ₁ /SW ₂ x E ₂ mm			
M16x1,5	6,0		6.21650d	1209.07	12,0–10,0	9,0	6,5–4,0	38,0	18x20/17x18,9	50	
			6.21650d	1209.08	12,0–10,0	9,0	8,0–5,0	38,0	18x20/17x18,9	50	
			6.21651d	1309.07	13,0–11,0	9,0	6,5–4,0	40,0	20x22,2	50	
			6.21651d	1509.07	15,0–13,0	9,0	10	6,5–4,0	40,0	20x22,2	50
			6.21651d	1509.08	15,0–13,0	9,0	10	8,0–5,0	40,0	20x22,2	50
			6.21651d	1510.09	15,0–13,0	10,0	9,5–6,5	40,0	20x22,2	50	
M20x1,5	6,5		6.22051d	1309.07	13,0–11,0	9,0	6,5–4,0	40,0	22x24,5	50	
			6.22051d	1309.08	13,0–11,0	9,0	10	8,0–5,0	40,0	22x24,5	50
			6.22051d	1509.07	15,0–13,0	9,0	10	6,5–4,0	40,0	22x24,5	50
			6.22051d	1509.08	15,0–13,0	9,0	10	8,0–5,0	40,0	22x24,5	50
			6.22051d	1511.09	15,0–13,0	11,0	9,5–6,5	40,0	22x24,5	50	
			6.22052d	1713.10	17,0–14,0	13,0	10,5–7,0	40,0	22x24,5	50	
			6.22053d	1811.11	18,0–15,0	11,0	11	9,5–7,0	42,0	24x26,7	50
			6.22054d	2313.11 *	23,0–19,0	13,0	13	10,5–7,0	43,0	30x33,5	25
			6.22054d	2316.13	23,0–19,0	16,0	16	13,0–9,0	43,0	30x33,5	25
			6.22054d	2317.11 *	23,0–19,0	17,0	16	10,5–7,0	43,0	30x33,5	25
M25x1,5	7,5		6.22553d	1813.07	18,0–15,0	13,0	6,5–4,0	42,0	28x31,2/24x26,7	50	
			6.22553d	1815.13	18,0–15,0	15,0	13,0–9,0	42,0	28x31,2/24x26,7	25	
			6.22554d	2317.18	23,0–19,0	17,0	16,0–14,0	44,0	30x33,5	25	
			6.22554d	2313.11 *	23,0–19,0	13,0	10,5–7,0	44,0	30x33,5	10	
			6.22554d	2316.13	23,0–19,0	16,0	16	13,0–9,0	44,0	30x33,5	10
			6.22554d	2316.16	23,0–19,0	16,0	16	15,0–11,5	44,0	30x33,5	25
			6.22554d	2317.13	23,0–19,0	17,0	13,0–9,0	44,0	30x33,5	25	
			6.22554d	2720.18	27,0–23,0	20,0	18,0–14,0	44,0	30x33,5/35x39,5	10	
M32x1,5	8,0		6.23254d	2318.18	23,0–19,0	18,0	17,0–14,0	49,0	35x38,5/30x33,5	10	
			6.23255d	3223.21	32,0–28,0	23,0	20,5–17,0	55,0	40x43,5	10	
M40x1,5	9,0		6.24056d	4030.28	40,0–34,0	30,0	29	28,0–24,0	60,0	50x54	10

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

Passender Schlauch s. Seite 449
Suitable hose see page 449

S5. SVD Schlauchverschraubung

S5. SVD hose 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 bar

i Schlauchverschraubung zur Installation von glattwandigen Schläuchen, hohe Zugentlastung durch Klemmring und Gegendrucktülle aus Messing
Hose gland to install plain tubes, high strain relief due to clamping ring and counter pressure socket made of brass

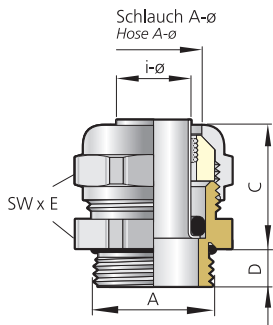


Abb. 3
Fig. 3

Anschlussgewinde/-länge Connection thread/length		Art.-Nr. Art. no.	Schlauchdurchmesser A Hose diameter A		NW Rated size	Bauhöhe Mounting height	Schlüsselweite Spanner width	
A	D mm		max./min. ø max./min. ø	i-Ø mm	C mm		SW x E mm	
M12x1,5	5,0	621250 07	12,0 – 10,0	7,0		20,0	17x18,9	50
		621651 08	15,0 – 13,0	8,0		21,0	20x22,2	50
		621651 10	15,0 – 13,0	10,0		21,0	20x22,2	50
M16x1,5	6,0	621652 11	17,0 – 14,0	11,0	11	21,0	22x24,4	50
		622052 10	17,0 – 14,0	10,0	11	21,0	22x24,4	25
		622052 13	17,0 – 14,0	13,0	11	21,0	22x24,4	50
M20x1,5	6,5	622053 12	18,0 – 15,0	12,0	11	21,0	24x26,7	50
		622053 13	18,0 – 15,0	13,0	11	21,0	24x26,7	50
		622026 13	21,0 – 18,0	13,0	13	23,0	28x31	25
M25x1,5	7,5	622054 14	23,0 – 19,0	14,0	13	23,0	30x33,5	25
		622054 15	23,0 – 19,0	15,0	16	23,0	30x33,5	25
		622054 16	23,0 – 19,0	16,0	16	21,0	30x33,5	25
M32x1,5	8,0	622054 18	23,0 – 19,0	18,0	16	23,0	30x33,5	25
		622554 16	23,0 – 19,0	16,0	16	24,0	30x33,5	25
		622554 18	23,0 – 19,0	18,0	16	24,0	30x33,5	25
M40x1,5	9,0	622555 25	32,0 – 28,0	25,5	16	26,0	35x38,5	25
		623233 22	28,0 – 24,0	22,0	21	26,0	35x38,5	25
M50x1,5	10,0	624056 30	40,0 – 34,0	30,0	29	27,0	50x54	10
M50x1,5	10,0	625057 35	46,0 – 40,0	35,0	36	29,0	57x61	5

280000 | IT104500

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 Suitable hose see page 449

S44. Roboter Schlauchverschraubung

S44. Robotic hose gland



Abb. 1
Fig. 1



Abb. 2
Fig. 2

Messing vernickelt
Metrisches Anschlussgewinde EN 60423
Schutzart IP 66

Brass, nickel plated
Metric connection thread EN 60423
Type of protection IP 66

i Schlauchverschraubung aus Messing für hochflexible Schutzschlauchinstallationen, weiche Klemmung durch Klemmung aus innen gewelltem Weich-PVC, lange Gegendrucktülle aus Messing

Hose gland made of brass, used for flexible protection hoses, soft clamping reached by a inner wavy soft-PVC, long counter pressure socket made of brass

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

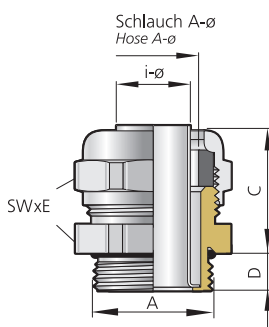


Abb. 3
Fig. 3

Anschlussgewinde/ -länge Art.-Nr. Connection thread/length Art. no.			Schlauchdurchmesser A Hose diameter A		Bauhöhe Mounting height	Art.-Nr. Schlauch pass. Art. no. suitable hose	Schlüsselweite Spanner width			
A	D mm	TPE = TPE-V = p	Ausführung bitte ergänzen Indicate product details	max./min. ø	i-ø mm	C mm	SW x E mm			
M20x1,5	6,5		22052fd	1510	15,0 – 12,0	10,0	21,0	22x24,4	50	
			22053fd	1510	15,0 – 12,0	10,0	21,0	24x26,7	50	
			22053fd	1610	16,0 – 12,0	10,0	21,0	F 1510	24x26,7	50
			22054fd	2114	21,0 – 16,0	14,0	23,0	F 1914	30x33,5	25
M25x1,5	7,5		22553fd	1510	15,0 – 12,0	10,0	21,0	24x26,7	50	
			22553fd	1609 *	16,0 – 12,0	10,0	21,0	24x26,7	50	
			22554fd	2114	21,0 – 16,0	14,0	24,0	F 1914	30x33,5	25
			22554fd	2116 *	21,0 – 16,0	16,0	24,0	30x33,5	25	
			22554fd	2117 *	21,0 – 16,0	17,0	24,0	30x33,5	25	
M32x1,5	8,0		23254fd	2114	21,0 – 16,0	14,0	25,0	F 1914	30x33,5	25
			23255fd	2822	28,0 – 21,0	22,0	28,0	F 2822	40x43,5	10
M40x1,5	9,0		24055fd	2822	28,0 – 21,0	22,0	28,0	F 2822	40x43,5	10
			24056fd	3931	41,0 – 36,0	31,0	28,0	F 4032	50x54	10
M50x1,5	10,0		25056fd	3931	41,0 – 36,0	30,0	28,0	F 4032	54x58	5

* Variante für verschiedene Schlauchtypen (Schläuche auf Anfrage)
* Variant for different hose types (hoses on request)

Passender Schlauch s. Seite 451
Suitable hose see page 451

395500 | IT069900

U79. UNI Wellrohr-Kabelverschraubung

U79. UNI Corrugated conduit cable gland



Abb. 1
Fig. 1



Abb. 2
Fig. 2

Messing vernickelt
Metrisches Anschlussgewinde EN 60423
Schutzart IP 68 bis 10 bar (zum Kabel)

Brass, nickel plated
Metric connection thread EN 60423
Type of protection IP 68 up to 10 bar (at the cable)

Schlauchverschraubung aus Messing, zur Installation von Wellrohren durch Klemmring aus POM bei gleichzeitiger Kabelabdichtung/Zugentlastung innen

Hose gland made of brass, to install corrugated conduits by a POM clamping ring to reach cable sealing and strain relief

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 / +110 °C
Messing Brass	vernickelt nickel plated	TPE-V	natur natural	p	-40 °C / +110 °C
Messing Brass	vernickelt nickel plated	LSR	transparent	i	-40 °C / +110 °C

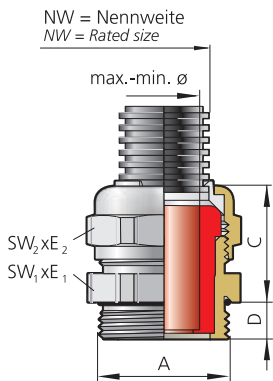


Abb. 3
Fig. 3

Anschlussgewinde/-länge Connection thread/length		Art.-Nr. Art. no.	Dichtbereich Sealing range	Bauhöhe Mounting height	NW Rated size	Schlüsselweite Spanner width
		Ausführung bitte ergänzen Indicate product details				
		TPE = p TPE-V = i LSR = i	max./min. ø mm	C mm		SW ₁ x E ₁ / SW ₂ x E ₂ mm
M16x1,5	6,0	21651dW	0707	6,5– 4,0	24,0	07 20x22,2
		21652dW	0709	6,5– 4,0	24,0	09 22x24,4
		21652dW	0909	9,5– 6,5	24,0	09 22x24,4
M20x1,5	6,5	22052dW	0709	6,5– 4,0	24,0	09 22x24,4
		22052dW	0909	9,5– 6,5	24,0	09 22x24,4
		22053dW	0811 *	8,0– 5,0	24,0	11 24x26,7
		22053dW	1111	10,5– 7,0	24,0	11 24x26,7
		22054dW	1116	10,5– 7,0	28,0	16 30x33,5
		22054dW	1316	13,0– 9,0	28,0	16 30x33,5
M25x1,5	7,5	22553dW	0711	6,5– 4,0	24,0	11 28x31,2/24x26,7
		22553dW	0911	9,5– 6,5	24,0	11 28x31,2/24x26,7
		22553dW	1111	10,5– 7,0	24,0	11 28x31,2/24x26,7
		22554dW	1316	13,0– 9,0	29,0	16 30x33,5
		22554dW	1616	15,5– 11,5	29,0	16 30x33,5
		22554dW	1816	16,5– 14,0	29,0	16 30x33,5
M32x1,5	8,0	23254dW	1116	10,5– 7,0	29,0	16 35x38,5/30x33,5
		23254dW	1316	13,0– 9,0	29,0	16 35x38,5/30x33,5
		23254dW	1616	15,5– 11,5	29,0	16 35x38,5/30x33,5
		23254dW	1816	16,5– 14,0	29,0	16 35x38,5/30x33,5
		23255dW	1621	15,5– 11,5	35,0	21 40x43,5
		23255dW	1821	18,0– 14,0	35,0	21 40x43,5
		23255dW	2121	20,5– 17,0	35,0	21 40x43,5
M40x1,5	8,0	24055dW	1621	15,5– 11,5	35,0	21 43x47,3/40x43,5
		24055dW	1821	18,0– 14,0	35,0	21 43x47,3/40x43,5
		24055dW	2121	20,5– 17,0	35,0	21 43x47,3/40x43,5
M40x1,5	9,0	24056dW	2029 *	20,5– 17,0	35,0	29 50x54
		24056dW	2529 *	25,0– 20,0	35,0	29 50x54
		24056dW	2829 *	28,0– 24,0	35,0	29 50x54

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

Passende Wellrohre leicht/mittel ab Seite 447
Suitable corrugated conduits light/middle see page 447

U66. UNI Wellrohr-Kabelverschraubung

U66. UNI Corrugated conduit cable gland



Abb. 1
Fig. 1



Abb. 2
Fig. 2

PVDF, transparent
Metrisches Anschlussgewinde EN 60423
Schutzart IP 68 bis 10 bar (zum Kabel)

PVDF, transparent
Metric connection thread EN 60423
Type of protection IP 68 up to 10 bar (at the cable)

i Schlauchverschraubung aus PVDF, zur Installation von Wellrohren durch Klemmring aus POM bei gleichzeitiger Kabelabdichtung/Zugentlastung innen

Hose gland made of PVDF, to install corrugated conduits by a POM clamping ring to reach cable sealing and strain relief

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.
PVDF	transparent	TPE	s. FC s. CC		-40 °C / +110 °C
PVDF	transparent	TPE-V	natur natural	p	-40 °C / +110 °C
PVDF	transparent	LSR	transparent	i	-40 °C / +110 °C

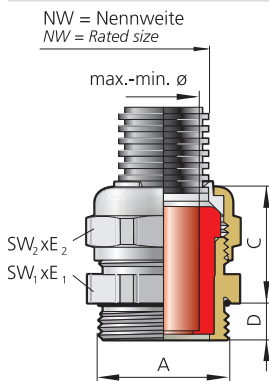


Abb. 3
Fig. 3

Anschlussgewinde/-länge Connection thread/length		Art.-Nr. Art. no.	Dichtbereich Sealing range	Bauhöhe NW Mounting Rated size	Schlüsselweite Spanner width	
A	D mm	TPE = p TPE-V = i LSR = i	max./min. ø mm	C mm	SW ₁ x E ₁ / SW ₂ x E ₂ mm	
Ausführung bitte ergänzen Indicate product details						
M16x1,5	8,5	21651yW	0707	6,5– 4,0	25,0	07 22x24,5 50
M16x1,5	11,0	21652yW	0709	6,5– 4,0	26,0	09 24x26,5 50
		21652yW	0909	9,5– 6,5	26,0	09 24x26,5 50
M20x1,5	9,0	22052yW	0709	6,5– 4,0	26,0	09 24x26,5 50
		22052yW	0909	9,5– 6,5	26,0	09 24x26,5 50
		22053yW	1111	10,5– 7,0	28,0	11 27x29,5 25
		22054yW	1316	13,0– 9,0	32,0	16 33x36,5 50
M25x1,5	9,0	22553yW	0711	6,5– 4,0	28,0	11 29x31,5/27x29,5 25
		22553yW	0811 *	8,0– 5,0	28,0	11 29x31,5/27x29,5 25
		22553yW	0911	9,5– 6,5	28,0	11 29x31,5/27x29,5 25
		22553yW	1111	10,5– 7,0	28,0	11 29x31,5/27x29,5 25
M25x1,5	11,0	22554yW	1316	13,0– 9,0	32,0	16 33x36,5 25
		22554yW	1616	15,5– 11,5	32,0	16 33x36,5 25
		22554yW	1816	18,0– 14,0	32,0	16 33x36,5 25
		22555yW	1821	18,0– 14,0	37,0	21 43x46 25
		22555yW	2121	20,5– 17,0	37,0	21 43x46 25
M32x1,5	11,0	23254yW	1116 *	10,5– 7,0	32,0	16 38x42/33x36,5 25
		23254yW	1316	13,0– 9,0	32,0	16 38x42/33x36,5 25
		23254yW	1616	15,5– 11,5	32,0	16 38x42/33x36,5 25
		23255yW	1621 *	15,5– 11,5	37,0	21 43x46 10
		23254yW	1816	18,0– 14,0	32,0	16 38x42/33x36,5 25
		23255yW	1821	18,0– 14,0	37,0	21 43x46 10
		23255yW	2121	20,5– 17,0	37,0	21 43x46 10
M40x1,5	11,5	24055yW	1621 *	15,5– 11,5	37,0	21 46x50 10
		24055yW	1821	18,0– 14,0	37,0	21 46x50 10
		24055yW	2121	20,5– 17,0	37,0	21 46x50 10
M40x1,5	13,0	24056yW	2529 *	25,0– 20,0	40,0	29 53x57 5
		24056yW	2829 *	28,0– 24,0	40,0	29 53x57 5

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

Passende Wellrohre leicht/mittel ab Seite 447
Suitable corrugated conduits light/middle see page 447

U51. UNI UL-Schlauch-Kabelverschraubung

U51. UNI UL hose cable gland



Abb. 1
Fig. 1



Abb. 2
Fig. 2

Messing vernickelt
Metrisches Anschlussgewinde EN 60423
Schutzart IP 68 bis 10 bar (zum Kabel)

Brass, nickel plated
Metric connection thread EN 60423
Type of protection IP 68 up to 10 bar (at the cable)

i **UL-Schlauch-Montage mit der Sicherungsring-Zange, siehe Seite 496**
UL hose installation with circlip pliers, see page 496

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	-40 °C / +150 °C

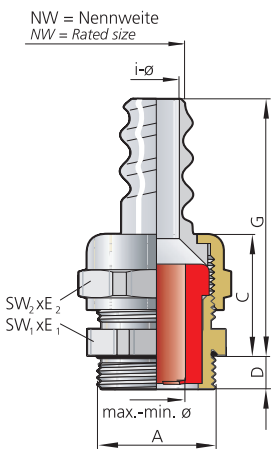


Abb. 3
Fig. 3

Anschlussgewinde/ -länge Connection thread/length		Art.-Nr. Art. no.	Dichtbereich Sealing range	Bauhöhe Mounting height			NW Rated size	Schlüsselweite Spanner width		
A	D mm	TPE = p TPE-V = i LSR = i	max./min. ø mm	C mm	G mm	i-Ø mm	NW	SW ₁ x E ₁ /SW ₂ x E ₂ mm	Spannerweite	
M16x1,5	6,0	21650dUL	0906	6,0 – 4,0	22,0	42,0	6,0	09	18x20/17x18,9	50
		21652dUL	1107	6,5 – 4,0	24,0	48,0	9,0	11	22x24,4	50
		21652dUL	1109	9,0 – 6,5	24,0	48,0	9,0	11	22x24,4	50
M20x1,5	6,5	22052dUL	1107	6,5 – 4,0	24,0	48,0	9,0	11	22x24,4	50
		22052dUL	1108	8,0 – 5,0	24,0	48,0	9,0	11	22x24,4	50
		22052dUL	1109	9,0 – 6,5	24,0	48,0	9,0	11	22x24,4	50
		22053dUL	1310	10,0 – 7,0	24,0	49,0	10,0	13	24x26,7	50
M25x1,5	7,5	22054dUL	1613	13,0 – 9,0	25,0	49,0	14,0	16	30x33,5	25
		22553dUL	1310	10,0 – 7,0	24,0	49,0	10,0	13	28x31,2/24x26,7	50
22554dUL	1614	14,0 – 11,5	27,0	49,0	14,0	16	30x33,5	25		
M32x1,5	8,0	23254dUL	1614	14,0 – 11,5	27,0	49,0	14,0	16	35x38,5/30x33,5	25
		23255dUL	2118	18,0 – 14,0	31,0	60,0	22,0	21	40x43,5	10
		23255dUL	2121	20,5 – 17,0	31,0	60,0	22,0	21	40x43,5	10
M40x1,5	9,0	24055dUL	2118	18,0 – 14,0	30,0	61,0	22,0	21	43x47,3/40x43,5	10
		24056dUL	2921 *	20,5 – 17,0	31,0	65,0	30,0	29	50x54	10
		24056dUL	2925 *	25,0 – 20,0	31,0	65,0	30,0	29	50x54	10
M50x1,5	10,0	25056dUL	2925 *	25,0 – 20,0	31,0	65,0	30,0	29	50x54	5

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

Passender Schlauch s. Seite 451
Suitable hose see page 451

U43. UNI UL-Schlauch-Kabelverschraubung

U43. UNI UL hose cable gland



Abb. 1
Fig. 1



Abb. 2
Fig. 2

PVDF transparent
Metrisches Anschlussgewinde EN 60423
Schutzart IP 68 bis 10 bar (zum Kabel)

PVDF transparent
Metric connection thread EN 60423
Type of protection IP 68 up to 10 bar (at the cable)

i **UL-Schlauch-Montage mit der Sicherungsring-Zange, siehe Seite 496**
UL hose installation with circlip pliers, see page 496

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

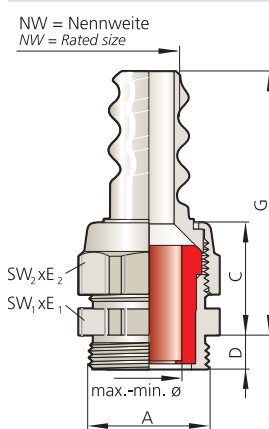


Abb. 3
Fig. 3

Anschlussgewinde/ -länge <i>Connection thread/length</i>		Art.-Nr. <i>Art. no.</i>	Dichtbereich <i>Sealing range</i>	Bauhöhe <i>Mounting height</i>			NW <i>Rated size</i>	Schlüsselweite <i>Spanner width</i>		
A	D mm	TPE = p TPE-V = i LSR = i	max./min. ø mm	C mm	G mm	i-Ø mm	SW ₁ x E ₁ /SW ₂ x E ₂ mm			
		Ausführung bitte ergänzen <i>Indicate product details</i>								
M16x1,5	9,0	21650yUL	0906	6,0– 4,0	24,0	45,0	6,0	09	19x21	50
M16x1,5	11,0	21652yUL	1109	9,0– 6,5	25,0	50,0	9,0	11	24x26,5	50
M20x1,5	9,0	22052yUL	1107	6,5– 4,0	25,0	50,0	9,0	11	24x26,5	50
		22052yUL	1109	9,0– 6,5	25,0	50,0	9,0	11	24x26,5	50
		22053yUL	1310	10,0– 7,0	26,0	50,0	10,0	13	27x29,5	50
M20x1,5	11,0	22054yUL	1613	13,0– 9,0	29,0	53,0	14,0	16	33x36,5	50
M25x1,5	9,0	22553yUL	1308 *	8,0– 5,0	26,0	50,0	10,0	13	29x31,5/27x29,5	50
		22553yUL	1310	10,0– 7,0	26,0	50,0	10,0	13	29x31,5/27x29,5	50
M25x1,5	11,0	22554yUL	1614	14,0– 11,5	29,0	53,0	14,0	16	33x36,5	25
		22555yUL	2118	18,0– 14,0	33,0	62,0	22,0	21	43x46	10
		23254yUL	1611 *	10,5– 7,0	29,0	53,0	14,0	16	38x42/33x36,5	25
		23254yUL	1614	14,0– 11,5	29,0	53,0	14,0	16	38x42/33x36,5	25
		23255yUL	2118	18,0– 14,0	33,0	62,0	22,0	21	43x46	10
		23255yUL	2121	20,5– 17,0	33,0	62,0	22,0	21	43x46	10
M40x1,5	11,5	24055yUL	2118	18,0– 14,0	33,0	62,0	22,0	21	43x46	10
M40x1,5	13,0	24056yUL	2925 *	25,0– 20,0	36,0	70,0	30,0	29	53x57	5
		24056yUL	2928 *	28,0– 24,0	36,0	70,0	30,0	29	53x57	5
M50x1,5	13,0	25056yUL	2925	25,0– 20,0	36,0	70,0	30,0	29	56x61/53x57	5

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

Passender Schlauch s. Seite 451
Suitable hose see page 451

35000 | IT06800

U78. UNI S-Schlauch-Kabelverschraubung

U78. UNI S hose cable gland



Abb. 1
Fig. 1

Abb. 2
Fig. 2

Messing vernickelt
Metrisches Anschlussgewinde EN 60423
Schutzart IP 68 bis 10 bar (zum Kabel)

Brass, nickel plated
Metric connection thread EN 60423
Type of protection IP 68 up to 10 bar (at the cable)

i Pg-Variante auf Anfrage
Pg variant 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.
Messing Brass	vernickelt nickel plated	TPE	s. FC s. CC		-40 °C / +110 °C
Messing Brass	vernickelt nickel plated	TPE-V	natur natural	p	-40 °C / +110 °C
Messing Brass	vernickelt nickel plated	LSR	transparent	i	-40 °C / +110 °C

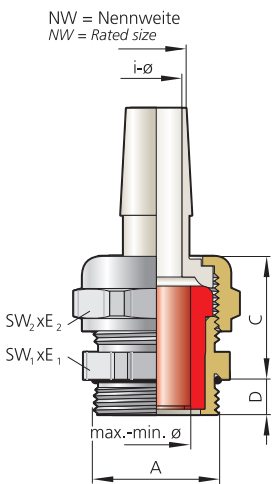


Abb. 3
Fig. 3

Anschlussgewinde/ -länge Connection thread/length		Art.-Nr. Art. no.	Dichtbereich Sealing range	Bauhöhe Mounting height	NW Rated size	Schlüsselweite Spanner width			
Ausführung bitte ergänzen Indicate product details									
		TPE = p TPE-V = i LSR = i							
A	D mm		max./min. ø mm	C mm	i-Ø mm	SW₁ x E₁/SW₂ x E₂ mm			
M16x1,5	6,0	21650dss09	07	6,5 – 4,0	46,0	7,0	09	18x20/17x18,9	50
		21652dss11	08	8,0 – 5,0	47,0	9,0	11	22x24,4	50
M20x1,5	6,5	22052dss11	09	9,0 – 6,5	47,0	9,0	11	22x24,4	50
		22053dss13	10	10,0 – 7,0	47,0	10,0	13	24x26,7	50
		22053dss16	13	13,0 – 9,0	47,0	14,0	16	24x26,7	50
		22054dss16	14	14,0 – 11,5	52,0	14,0	16	30x33,5	25
M25x1,5	7,5	22553dss13	10	10,0 – 7,0	47,0	10,0	13	28x31,2/24x26,7	50
		22554dss16	14	14,0 – 11,5	52,0	14,0	16	30x33,5	25
		22554dss21	16	15,5 – 11,5	52,0	18,0	21	30x33,5	25
		22555dss21	18	18,0 – 14,0	58,0	18,0	21	40x43,5	10
M32x1,5	8,0	23255dss21	18	18,0 – 14,0	58,0	18,0	21	40x43,5	10
		23255dss29	20	20,5 – 17,0	58,0	25,0	29	40x43,5	10
		23255dss29	25	25,0 – 20,0	58,0	25,0	29	40x43,5	10
M40x1,5	8,0	24055dss29	20	20,5 – 17,0	55,0	25,0	29	43x47,3/40x43,5	10
		24055dss29	25	25,0 – 20,0	55,0	25,0	29	43x47,3/40x43,5	10
M50x1,5	10,0	25056dss29	25 *	25,0 – 20,0	61,0	25,0	29	54x58/50x54	5

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

Passender Schlauch s. Seite 452
Suitable hose see page 452

U70. UNI S-Schlauch-Kabelverschraubung

U70. UNI S hose cable gland



Abb. 1
Fig. 1



Abb. 2
Fig. 2

PVDF transparent
Metrisches Anschlussgewinde EN 60423
Schutzart IP 68 bis 10 bar (zum Kabel)

PVDF transparent
Metric connection thread EN 60423
Type of protection IP 68 up to 10 bar (at the cable)

i Pg-Variante auf Anfrage
Pg variant on request

Werkstoff Verschraubungskörper <i>Material gland body</i>	Ausführung/Farbe <i>Version/colour</i>	Werkstoff Dichteinsatz <i>Material sealing insert</i>	Farbe <i>Colour</i>	Bestellschlüssel <i>Art. no. supplement</i>	Temperaturbereich min./max. <i>Temperature range min./max.</i>
PVDF	transparent	TPE	s. FC s. CC		-40 °C / +110 °C
PVDF	transparent	TPE-V	natur <i>natural</i>	p	-40 °C / +110 °C
PVDF	transparent	LSR	transparent	i	-40 °C / +110 °C

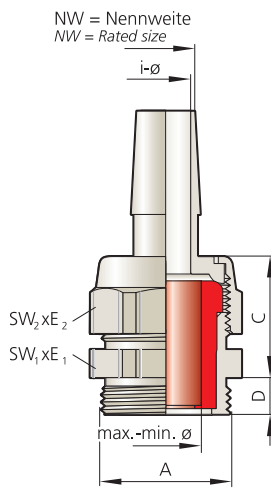


Abb. 3
Fig. 3

Anschlussgewinde/ -länge <i>Connection thread/length</i>		Art.-Nr. <i>Art. no.</i>	Dichtbereich <i>Sealing range</i>	Bauhöhe <i>Mounting height</i>	NW <i>Rated size</i>	Schlüsselweite <i>Spanner width</i>		
A	D mm	TPE = TPE-V = p LSR = i	max./min. Ø mm	C mm	i-Ø mm	SW ₁ x E ₁ / SW ₂ x E ₂ mm		
		Ausführung bitte ergänzen <i>Indicate product details</i>						
M16x1,5	9,0	21650ysss09	07	6,5 – 4,0	47,0	7,0	09 19x21 50	
M16x1,5	11,0	21652ysss11	08	8,0 – 5,0	49,0	9,0	11 24x26,5 50	
M20x1,5	9,0	22052ysss11	09	9,0 – 6,5	49,0	9,0	11 24x26,5 50	
		22053ysss13	10	10,0 – 7,0	49,0	10,0	13 27x29,5 25	
		22053ysss16	13	13,0 – 9,0	49,0	14,0	16 27x29,5 25	
M20x1,5	11,0	22054ysss16	14	14,0 – 11,5	49,0	14,0	16 33x36,5 25	
M25x1,5	9,0	22553ysss13	10	10,0 – 7,0	49,0	10,0	13 29x31,5/27x29,5 25	
M25x1,5	11,0	22554ysss16	14	14,0 – 11,5	49,0	14,0	16 33x36,5 25	
		22554ysss21	16	15,5 – 11,5	56,0	18,0	21 33x36,5 25	
		22555ysss21	18	18,0 – 14,0	58,0	18,0	21 43x46 25	
M32x1,5	11,0	23255ysss21	18 *	18,0 – 14,0	58,0	18,0	21 43x46 10	
		23255ysss29	20 *	20,5 – 17,0	58,0	25,0	29 43x46 10	
		23255ysss29	25 *	25,0 – 20,0	58,0	25,0	29 43x46 10	
M40x1,5	11,5	24055ysss29	20 *	20,5 – 17,0	63,0	25,0	29 46x50/43x46 10	
		24055ysss29	25 *	25,0 – 20,0	63,0	25,0	29 46x50/43x46 10	
M50x1,5	13,0	25056ysss29	25 *	25,0 – 20,0	63,0	25,0	29 56x61/53x57 5	

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

Passender Schlauch s. Seite 452
Suitable hose see page 452

U8. UNI Schlauch-Kabelverschraubung

U8. UNI hose cable gland



Abb. 1
Fig. 1



Abb. 2
Fig. 2

Messing vernickelt
Metrisches Anschlussgewinde EN 60423
Schutzart IP 68 bis 10 bar (zum Kabel)

Brass, nickel plated
Metric connection thread EN 60423
Type of protection IP 68 up to 10 bar (at the cable)

i Wir empfehlen zur Montage Schlauchschellen, siehe Seite 486.
For the installation we recommend hose clips, see page 486.

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

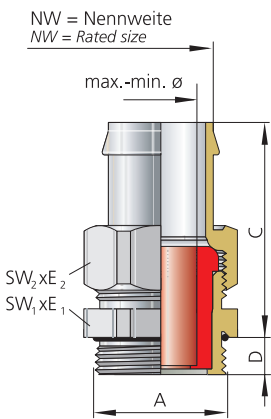


Abb. 3
Fig. 3

Anschlussgewinde/ -länge Connection thread/length		Art.-Nr. Art. no.	Dichtbereich Sealing range	Bauhöhe Mounting height	NW Rated size	Schlüsselweite Spanner width				
A	D mm	Ausführung bitte ergänzen Indicate product details		max./min. ø mm	C mm	SW ₁ x E ₁ /SW ₂ x E ₂ mm	50			
		TPE =	p							
		TPE-V =								
		LSR =	i							
M12x1,5	5,0	21250sd	09.07	6,5– 4,0	39,0	09	17x18,9	50		
		21250sd	11.07	6,5– 4,0	39,0	11	17x18,9	50		
		M16x1,5	6,0	21650sd	09.07	6,5– 4,0	38,0	09	18x20/17x18,9	50
				21650sd	11.07	6,5– 4,0	38,0	11	18x20/17x18,9	50
				21650sd	11.08	8,0– 5,0	38,0	11	18x20/17x18,9	50
				21650sd	11.09	9,5– 6,5	38,0	11	18x20/17x18,9	50
21650sd	13.07	6,5– 4,0	38,0	13	18x20/17x18,9	50				
21650sd	13.08	8,0– 5,0	38,0	13	18x20/17x18,9	50				
21650sd	13.09	9,5– 6,5	38,0	13	18x20/17x18,9	50				
21651sd	11.09	9,5– 6,5	40,0	11	20x22,2	50				
21651sd	13.11	10,5– 7,0	40,0	13	20x22,2	50				
M20x1,5	6,5	22051sd	09.07	6,5– 4,0	39,0	09	22x24,4/20x22,2	50		
		22051sd	11.07	6,5– 4,0	39,0	11	22x24,4/20x22,2	50		
		22051sd	11.09	9,5– 6,5	39,0	11	22x24,4/20x22,2	50		
		22051sd	13.07	6,5– 4,0	39,0	13	22x24,4/20x22,2	50		
		22051sd	13.09	9,5– 6,5	39,0	13	22x24,4/20x22,2	50		
		22051sd	13.11	10,5– 7,0	39,0	13	22x24,4/20x22,2	50		
		22052sd	11.07	6,5– 4,0	40,0	11	22x24,4	25		
		22052sd	11.08	8,0– 5,0	40,0	11	22x24,4	25		
		22052sd	11.09	9,5– 6,5	40,0	11	22x24,4	25		
		22052sd	13.08	8,0– 5,0	40,0	13	22x24,4	25		
		22052sd	13.09	9,5– 6,5	40,0	13	22x24,4	25		
		22052sd	13.10	10,5– 7,0	40,0	13	22x24,4	25		
		22052sd	16.08	8,0– 5,0	40,0	16	22x24,4	25		
		22052sd	16.09	9,5– 6,5	40,0	16	22x24,4	25		
		22052sd	16.10	10,5– 7,0	40,0	16	22x24,4	25		
		22052sd	16.13	13,0– 9,0	40,0	16	22x24,4	25		
		22053sd	16.13	13,0– 9,0	40,0	16	24x26,7	25		
		22053sd	18.07	6,5– 4,0	40,0	18	24x26,7	25		
		22053sd	18.08 *	8,0– 5,0	40,0	18	24x26,7	25		
		22053sd	18.09	9,5– 6,5	40,0	18	24x26,7	25		
22053sd	18.13	13,0– 9,0	40,0	18	24x26,7	25				
22053sd	18.16	15,5– 11,5	40,0	18	24x26,7	25				

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

Fortsetzung auf der nächsten Seite
Continued on next page

U8. UNI Schlauch-Kabelverschraubung

U8. UNI hose 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	NW Rated size	Schlüsselweite Spanner width		
A	D mm	TPE TPE-V LSR	= = = =	max./min. ø mm	C mm		SW ₁ x E ₁ /SW ₂ x E ₂ mm		
M20x1,5	6,5		=	18.13	13,0– 9,0	42,0	18	30x33,5	25
				21.11	10,5– 7,0	42,0	21	30x33,5	25
				21.13	13,0– 9,0	42,0	21	30x33,5	25
				21.16	15,5– 11,5	42,0	21	30x33,5	25
M25x1,5	7,5		=	13.11	10,5– 7,0	40,0	13	28x31,2/24x26,7	25
				16.07	6,5– 4,0	40,0	16	28x31,2/24x26,7	25
				16.13	13,0– 9,0	40,0	16	28x31,2/24x26,7	25
				16.16	14,0– 11,5	40,0	16	28x31,2/24x26,7	25
				16.16	15,5– 11,5	40,0	16	28x31,2/24x26,7	25
				18.08 *	8,0– 5,0	40,0	18	28x31,2/24x26,7	25
				18.11	10,5– 7,0	40,0	18	28x31,2/24x26,7	25
				18.13	13,0– 9,0	40,0	18	28x31,2/24x26,7	25
				18.16	15,5– 11,5	40,0	18	28x31,2/24x26,7	25
				18.16	15,5– 11,5	44,0	18	30x33,5	25
				21.11	10,5– 7,0	44,0	21	30x33,5	25
				21.18	18,0– 14,0	44,0	21	30x33,5	25
				21.20	19,0– 17,0	44,0	21	30x33,5	25
				24.18	18,0– 14,0	44,0	24	30x33,5	25
24.20	20,5– 17,0	44,0	24	30x33,5	25				
M32x1,5	8,0		=	18.11 *	10,5– 7,0	44,0	18	35x38,5/30x33,5	10
				18.16	15,5– 11,5	44,0	18	35x38,5/30x33,5	10
				21.13	13,0– 9,0	44,0	21	35x38,5/30x33,5	10
				21.16	15,5– 11,5	44,0	21	35x38,5/30x33,5	10
				21.18	18,0– 14,0	44,0	21	35x38,5/30x33,5	10
				24.18	18,0– 14,0	44,0	24	35x38,5/30x33,5	10
				24.20	20,5– 17,0	44,0	24	35x38,5/30x33,5	10
				29.20	20,5– 17,0	48,0	29	40x43,5	10
				29.25	25,0– 20,0	48,0	29	40x43,5	10
29.28	27,5– 24,0	48,0	29	40x43,5	10				
M40x1,5	8,0		=	29.25	25,0– 20,0	47,0	29	43x47,3/40x43,5	10
				29.28	27,5– 24,0	47,0	29	43x47,3/40x43,5	10
M50x1,5	10,0		=	36.34	31,0– 29,0	51,0	36	54x58/50x54	5

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

Passende Schläuche ab Seite 452
Suitable hoses see page 452

U30. UNI Schlauch-Kabelverschraubung

U30. UNI hose cable gland



Abb. 1
Fig. 1



Abb. 2
Fig. 2

PA 6-3, Farben: grau (RAL 7032), schwarz (RAL 9005)
Metrisches Anschlussgewinde EN 60423
Schutzart IP 68 bis 10 bar (zum Kabel)

PA 6-3, colour: grey (RAL 7032), black (RAL 9005)
 Metric connection thread EN 60423
 Type of protection IP 68 up to 10 bar (at the cable)

i Wir empfehlen zur Montage Schlauchschellen, siehe Seite 486.
 For the installation we recommend hose clips, see page 486.

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	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

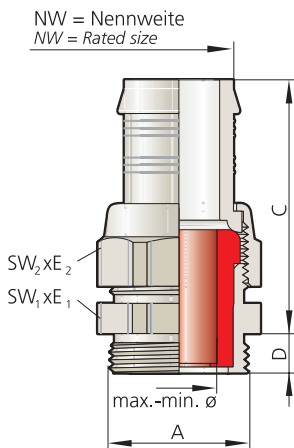


Abb. 3
Fig. 3

Anschlussgewinde/ -länge Connection thread/length		Art.-Nr. Art. no.	Dichtbereich Sealing range	Bauhöhe Mounting height	NW Rated size	Schlüsselweite Spanner width			
Ausführung bitte ergänzen Indicate product details									
A	D mm	grau/grey = p schwarz/black = n	i = TPE p = TPE-V i = LSR	max./min. ø mm	C mm	i-Ø mm			
						SW x E mm			
M16x1,5	8,5	21651su	11.09	9,5– 6,5	42,0	9,5	11	22x24,5	50
M16x1,5	9,0	21650su	09.07	6,5– 4,0	41,0	7,0	09	19x21,2	50
M20x1,5	9,0	22051su	11.09	9,5– 6,5	42,0	9,5	11	24x26,5	25
		22052su	13.08	8,0– 5,0	42,0	10,5	13	24x26,5	25
		22052su	11.09	9,5– 6,5	42,0	9,5	11	24x26,5	25
		22052su	13.09	9,5– 6,5	42,0	10,5	13	24x26,5	25
		22052su	13.11	10,5– 7,0	42,0	10,5	13	24x26,5	25
M25x1,5	9,0	22553su	16.07	6,5– 4,0	42,0	13,5	16	30x33	25
		22553su	16.11	10,5– 7,0	42,0	13,5	16	30x33	25
		22553su	16.13	13,0– 9,0	42,0	13,5	16	30x33	25
M25x1,5	11,0	22554su	21.18	18,0– 14,0	42,0	19,0	21	33x36,5	25
M32x1,5	11,0	23254su	21.16	15,5– 11,5	46,0	19,0	21	36x39,5	25
		23254su	21.18	18,0– 14,0	46,0	19,0	21	36x39,5	25

Passende Schläuche ab Seite 452
 Suitable hoses see page 452

S1. Schlauchstutzen Metrisch

S1. Hose socket metric

RoHS



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

Abb. 1
Fig. 1

i Wir empfehlen zur Montage Schlauchschellen, siehe Seite 486.
 For the installation we recommend hose clips, see page 486.

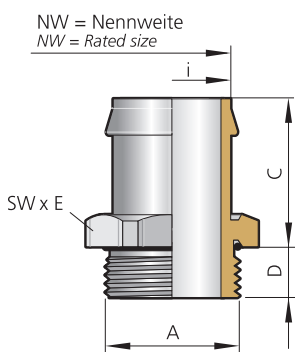


Abb. 2
Fig. 2

Anschlussgewinde/-länge Connection thread/length	Art.-Nr. Art. no.	Bauhöhe Mounting height		NW Rated size	Schlüsselweite Spanner width SW x E	mm	
		D mm	C mm				i-Ø mm
M12x1,5	60212.10	6,0	17,0	8,0	10	14x15,5	50
M16x1,5	60216.11	6,0	17,0	10,0	11	18x20,2	50
M20x1,5	60220.11	6,5	21,0	10,0	11	22x24,4	50
	60220.13		21,0	12,0	13	22x24,4	50
	60220.16		21,0	14,5	16	22x24,4	50
M25x1,5	60225.13	7,5	22,0	12,0	13	28x31,2	50
	60225.16		22,0	14,5	16	28x31,2	50
M32x1,5	60232.21	7,0	22,0	19,0	21	35x38,5	25
	60232.24		22,0	21,0		35x38,5	25
M40x1,5	60240.29	8,0	23,0	27,5	29	43x47,3	10
	60240.34		23,0	32,0		43x47,3	10
M50x1,5	60250.36	9,0	25,0	34,0	36	54x58	5
M63x1,5	60263.48	10,0	25,0	47,0		68x74	5

Passende Schläuche ab Seite 452
 Suitable hoses see page 452

S2. Schlauchstutzen Metrisch

S2. Hose socket metric

RoHS



PA 6-3, grau (RAL 7032)
Metrisches Anschlussgewinde EN 60423
Schutzart IP 65, Temperaturbereich: -20 °C bis +100 °C
Art.-Gruppe: S2.

PA 6-3, grey (RAL 7032)
Metric connection thread EN 60423
Type of protection IP 65, temperature range: -20 °C up to +100 °C
Art.-group: S2.

Abb. 1
Fig. 1

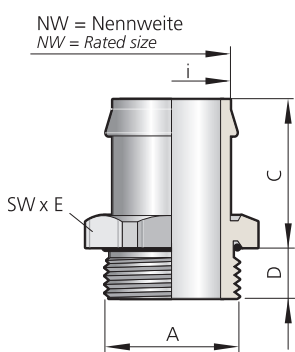


Abb. 2
Fig. 2

Anschlussgewinde/-länge Connection thread/length	Art.-Nr. Art. no.	Bauhöhe Mounting height		NW Rated size	Schlüsselweite Spanner width SW x E	mm	
		D mm	C mm				i-Ø mm
M12x1,5	20212.09	8,0	24,0	7,0	09	17x18,9	50
M20x1,5	20220.11	9,0	23,0	7,5	11	24x26,7	50
M25x1,5	20225.16	10,0	22,0	13,5	16	30x33	50

Passende Schläuche ab Seite 452
 Suitable hoses see page 452

U68. UNI SVD Pg Schlauch-Kabelverschraubung

U68. UNI SVD Pg hose cable gland



Abb. 1
Fig. 1



Abb. 2
Fig. 2

Messing vernickelt
Pg-Anschlussgewinde
Schutzart IP 68 bis 10 bar (zum Kabel)

Brass nickel plated
Pg connection thread
Type of protection IP 68 up to 10 bar (at the cable)

Elektro-Schutzschlauchverschraubung zur Montage von z. B. Spiralschläuchen mit Stahlgeflecht und gleichzeitiger Kabelabdichtung/Zugentlastung

Electrical protection hose gland to install spiral hoses with steel braid and to seal the cable incl. strain relief

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

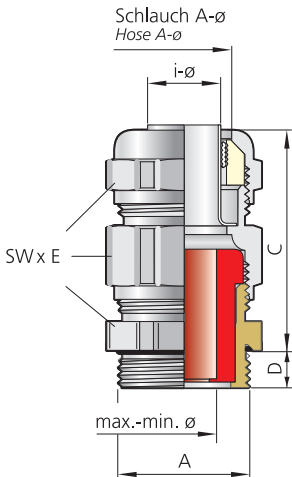


Abb. 3
Fig. 3

Anschlussgewinde/ -länge Connection thread/length	Art.-Nr. Art. no.	Schlauchdurchmesser A Hose diameter A	NW Rated size	Dichtbereich Sealing range	Bauhöhe Mounting height	Schlüsselweite Spanner width				
Ausführung bitte ergänzen Indicate product details										
	TPE =									
	TPE-V = p									
	LSR = i									
A		max./min. ø	i-Ø	Art.-Gr. S16	max./min. ø	C				
		mm	mm	mm	mm	SW x E				
Pg 7	5,5	6.14951d	1309.07	13,0–11,0	9,0	6,5– 4,0	40,0	20x22,2	50	
Pg 9	6,0	6.15051d	1309.07	13,0–11,0	9,0	6,5– 4,0	40,0	20x22,2	50	
		6.15051d	1508.08 *	15,0–13,0	8,0	10	7,0– 5,0	40,0	20x22,2	50
		6.15051d	1509.07	15,0–13,0	9,0	10	6,5– 4,0	40,0	20x22,2	50
		6.15051d	1509.08 *	15,0–13,0	9,0	10	8,0– 5,0	40,0	20x22,2	50
		6.15051d	1510.09	15,0–13,0	10,0	10	9,5– 6,5	40,0	20x22,2	50
Pg 11	6,0	6.151d	1309.07	13,0–11,0	9,0	6,5– 4,0	40,0	20x22,2	50	
		6.151d	1509.07	15,0–13,0	9,0	10	6,5– 4,0	40,0	20x22,2	50
		6.15152d	1710.09	17,0–14,0	10,0	11	9,0– 6,5	42,0	22x24,4	50
		6.15152d	1713.09	17,0–14,0	13,0	11	9,5– 6,5	42,0	22x24,4	50
		6.15152d	1713.13	17,0–14,0	13,0	11	12,0– 9,0	42,0	22x24,4	50
		6.15153d	1811.11	18,0–15,0	11,0	11	10,0– 7,0	42,0	24x26,7	50
Pg 13,5	6,5	6.15251d	1510.11	15,0–13,0	10,0	9,0– 7,0	40,0	20x22,2	50	
		6.15253d	1815.13	18,0–15,0	15,0	13,0– 9,0	42,0	24x26,7	50	
		6.15254d	2313.11 *	23,0–19,0	13,0	13	10,5– 7,0	42,0	30x33,5	25
		6.15254d	2316.11	23,0–19,0	16,0	16	10,5– 7,0	42,0	30x33,5	25
Pg 16	6,5	6.15354d	2316.11 *	23,0–19,0	16,0	16	10,5– 7,0	44,0	30x33,5	25
		6.15354d	2316.13	23,0–19,0	16,0	16	13,0– 9,0	44,0	30x33,5	25
		6.15354d	2316.16	23,0–19,0	16,0	16	15,0–11,5	44,0	30x33,5	25
		6.15354d	2416.11 *	24,0–20,5	16,0	16	10,5– 7,0	44,0	30x33,5	25
		6.15354d	2416.13	24,0–20,5	16,0	16	13,0– 9,0	44,0	30x33,5	25
		6.15354d	2416.16	24,0–20,5	16,0	16	15,0–11,5	44,0	30x33,5	25
Pg 21	7,0	6.154d	2720.13	27,0–23,0	20,0	13,0– 9,0	44,0	30x33,5	10	
		6.15455d	3123.25	31,0–27,0	23,0	25,0–20,0	55,0	40x43,5	10	
		6.15455d	3222.20	32,0–28,0	22,0	21	20,5–17,0	55,0	40x43,5	10
		6.15455d	3223.21	32,0–28,0	23,0	21	20,5–17,0	55,0	40x43,5	10
Pg 29	8,0	6.15556d	4030.28	40,0–34,0	30,0	29	28,0–24,0	60,0	50x54	10

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

Passender Schlauch s. Seite 449
Suitable hose see page 449

S5. SVD Pg Schlauchverschraubung

S5. SVD Pg Hose 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 bar

i Schlauchverschraubung zur Installation von glattwandigen Schläuchen, hohe Zugentlastung durch Klemmring und Gegendrucktülle aus Messing
Hose gland to install plain tubes, high strain relief due to clamping ring and counter pressure socket made of brass

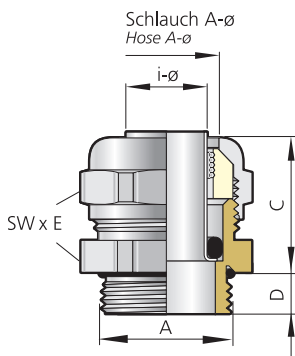


Abb. 3
Fig. 3

Anschlussgewinde/-länge		Art.-Nr.	Schlauchdurchmesser A		NW	Bauhöhe	Schlüsselweite	
Connection thread/length			Hose diameter A				Rated size	Mounting height
A	D mm	Art. no.	max./min. ø max./min. ø	i-ø mm	C mm	SW x E mm		
Pg 7	5,0	64950 07	12,0–10,0	7,0		20,0	17x18,9	50
Pg 9	6,0	65051 09	15,0–13,0	9,0	10	20,5	20x22,2	50
		65051 10	15,0–13,0	10,0		20,5	20x22,2	50
		65051 11	15,0–13,0	11,0		20,5	20x22,2	50
		65052 10	17,0–14,0	10,0	11	21,0	22x24,4	50
		65052 12	17,0–14,0	12,0	11	21,0	22x24,4	50
Pg 11	6,0	65152 09	17,0–14,0	9,0		21,0	22x24,4	50
		65152 10	17,0–14,0	10,0	11	21,0	22x24,4	50
		65152 11	17,0–14,0	11,0	11	21,0	22x24,4	50
		65152 12	17,0–14,0	12,0	11	21,0	22x24,4	50
		65152 13	17,0–14,0	13,0		21,0	22x24,4	50
		65152 14	17,0–14,0	14,0		21,0	22x24,4	50
		65153 11	18,0–15,0	11,0	11	21,0	24x26,7	50
Pg 11	6,5	65151 09	15,0–13,0	9,0	10	21,0	20x22,2	50
		65151 11	15,0–13,0	11,0		21,0	20x22,2	50
Pg 13,5	6,5	65252 10	17,0–14,0	10,0	11	21,0	22x24,4	50
		65252 11	17,0–14,0	11,0	11	21,0	22x24,4	50
		65252 13	17,0–14,0	13,0		21,0	22x24,4	25
		65226 12	21,0–18,0	12,0	13	23,0	28x31,2	50
		65226 13	21,0–18,0	13,0	13	23,0	28x31,2	25
		65226 15	21,0–18,0	15,0		23,0	28x31,2	25
		65226 16	21,0–18,0	16,0		23,0	28x31,2	25
		65254 16	23,0–19,0	16,0	16	24,0	30x33,5	25
65254 18	23,0–19,0	18,0	13	24,0	30x33,5	25		
Pg 16	6,5	65354 16	23,0–19,0	16,0	16	24,0	30x33,5	25
Pg 21	7,0	65433 22	28,0–24,0	21,0	21	26,0	35x38,5	25
		65455 20	32,0–28,0	20,0		28,0	40x43,5	25
		65455 21	32,0–28,0	21,0		28,0	40x43,5	25
		65455 23	32,0–28,0	23,0		28,0	40x43,5	10
		65455 29	32,0–28,0	29,0		28,0	40x43,5	10
Pg 29	8,0	65542 23	36,0–31,0	23,0		26,0	45x48	10
		65542 26	36,0–31,0	26,0		26,0	45x48	10
		65542 28	36,0–31,0	28,0	29	26,0	45x48	10
		65542 29	36,0–31,0	29,0	29	26,0	45x48	10
		65556 29	40,0–34,0	29,0	29	28,0	50x54	10
		65556 30	40,0–34,0	30,0	29	28,0	50x54	10
		65556 35	40,0–34,0	35,0		28,0	50x54	10

Passende Schläuche ab Seite 449
Suitable hoses see page 449

S44. Roboter Pg Schlauchverschraubung

S44. Robotic Pg hose gland

RoHS



Abb. 1
Fig. 1



Abb. 2
Fig. 2

**Messing vernickelt
Pg-Anschlussgewinde
Schutzart IP 66**

Brass, nickel plated
Pg connection thread
Type of protection IP 66

**Schlauchverschraubung aus Messing für hochflexible Schutzschlauchinstalla-
tionen, weiche Klemmung durch Klemmring aus innen gewelltem
Weich-PVC, lange Gegendrucktülle aus Messing**

Hose gland made of brass, used for flexible protection hoses, soft clamping
reached by a inner wavy soft-PVC, long counter pressure socket made of brass

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

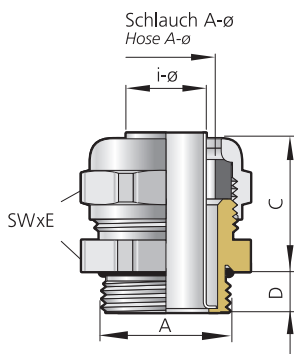


Abb. 3
Fig. 3

Anschlussgewinde/ -länge Art.-Nr. Connection thread/length Art. no.		Ausführung bitte ergänzen Indicate product details		Schlauchdurchmesser A Hose diameter A		Bauhöhe Mounting height	Art.-Nr. pass. Schlauch Art. no. suitable hose	Schlüsselweite Spanner width	
A	D mm	TPE = TPE-V = p		max./min. ø	i-Ø mm	C mm		SW x E mm	
Pg 11	6,0		5153fd	1610	16,0 – 12,0	10,0	21,0	F 1510	24x26,7 50
Pg 13,5	6,5		5252fd	1510	15,0 – 9,0	10,0	24,0	F 1510	22x24,4 50
			5254fd	2114	21,0 – 16,0	14,0	24,0	F 1914	30x33,5 25
Pg 16	6,5		5353fd	1510	15,0 – 9,0	10,0	21,0	F 1510	24x26,7 50
			5353fd	1609	16,0 – 12,0	10,0	21,0	F 1510	24x26,7 50
			5354fd	2114	21,0 – 16,0	14,0	24,0	F 1914	30x33,5 25
			5354fd	2116	21,0 – 16,0	16,0	24,0	F 1914	30x33,5 25
Pg 21	7,0		5454fd	2114	21,0 – 16,0	14,0	25,0	F 1914	30x33,5 25
			5455fd	2822	28,0 – 21,0	21,0	28,0	F 2822	40x43,5 10
Pg 29	8,0		5555fd	2822	28,0 – 21,0	21,0	27,0	F 2822	40x43,5 10
			5556fd	3931	40,0 – 36,0	30,0	28,0	F 4032	50x54 10
Pg 36	9,0		5656fd	3931	40,0 – 36,0	30,0	28,0	F 4032	50x54 5

Passender Schlauch s. Seite 451
Suitable hose see page 451

U79. UNI Wellrohr Pg Kabelverschraubung

U79. UNI Corrugated conduit Pg cable gland

RoHS



Abb. 1
Fig. 1



Abb. 2
Fig. 2

Messing vernickelt
Pg-Anschlussgewinde
Schutzart IP 68 bis 10 bar (zum Kabel)

Brass, nickel plated
Pg connection thread
Type of protection IP 68 up to 10 bar (at the cable)

i Schlauchverschraubung aus Messing, zur Installation von Wellrohren durch Klemmring aus POM bei gleichzeitiger Kabelabdichtung/Zugentlastung innen

Hose gland made of brass, to install corrugated conduits by a POM clamping ring to reach cable sealing and strain relief

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 / +110 °C
Messing Brass	vernickelt nickel plated	TPE-V	natur natural	p	-40 °C / +110 °C
Messing Brass	vernickelt nickel plated	LSR	transparent	i	-40 °C / +110 °C

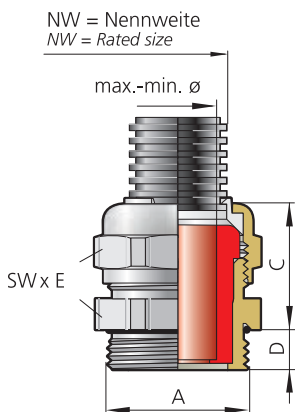


Abb. 3
Fig. 3

Anschlussgewinde/ -länge Connection thread/length		Art.-Nr. Art. no.	Dichtbereich Sealing range	Bauhöhe Mounting height	NW Rated size	Schlüsselweite Spanner width
		Ausführung bitte ergänzen Indicate product details				
		TPE = p				
		TPE-V = i				
		LSR = i				
A	D mm		max./min. ø mm	C mm		SW x E mm
Pg 9	6,0	15051W	0707	6,5 – 4,0	24,0	07 20x22,2 50
		15052W	0709	6,5 – 4,0	24,0	09 22x24,4 50
		15052W	0909	9,5 – 6,5	24,0	09 22x24,4 50
		15053W	0913	9,5 – 6,5	24,0	11 24x26,7 50
Pg 11	6,0	15152W	0709	6,5 – 4,0	24,0	09 22x24,4 50
		15152W	0909	9,5 – 6,5	24,0	09 22x24,4 50
		15153W	1113	10,5 – 7,0	24,0	11 24x26,7 50
		15153W	1313	12,0 – 9,0	24,0	11 24x26,7 50
Pg 13,5	6,5	15253W	1113	10,5 – 7,0	24,0	11 24x26,7 50
		15254W	1616	15,5 – 11,5	28,0	16 30x33,5 25
Pg 16	6,5	15354W	1616	15,5 – 11,5	29,0	16 30x33,5 25
		15354W	1816	16,0 – 14,0	29,0	16 30x33,5 25
Pg 21	7,0	15455W	2121	20,5 – 17,0	35,0	21 40x43,5 10
Pg 29	8,0	15556W	2829	28,0 – 24,0	35,0	29 50x54 10

Passende Wellrohre leicht/mittel ab Seite 447
Suitable corrugated conduits light/middle see page 447

17300 | IT00910

U51. UNI UL-Schlauch Pg Kabelverschraubung

U51. UNI UL hose Pg cable gland



Abb. 1
Fig. 1

Abb. 2
Fig. 2

Messing vernickelt
Pg-Anschlussgewinde
Schutzart IP 68 bis 10 bar (zum Kabel)

Brass, nickel plated
Pg connection thread
Type of protection IP 68 up to 10 bar (at the cable)

i **UL-Schlauch-Montage mit der Sicherungsring-Zange, siehe Seite 496**
UL hose installation with circlip pliers, see page 496

Werkstoff Verschraubungskörper Material gland body	Ausführung/Farbe Version/colour	Werkstoff Dichteseinsetz 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	-40 °C / +150 °C

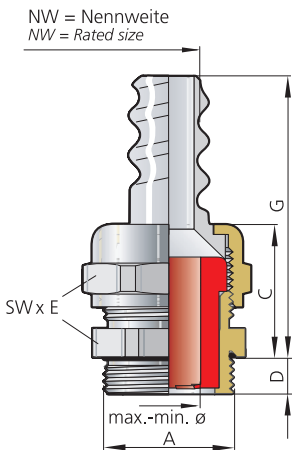


Abb. 3
Fig. 3

Anschlussgewinde/-länge Connection thread/length	Art.-Nr. Art. no.	Dichtbereich Sealing range	Bauhöhe Mounting height			NW Rated size	Schlüsselweite Spanner width		
			C	G	i-Ø				
Pg 9	150UL	0906	6,5– 4,0	22,0	42,0	6,0	09	17x18,9	50
	150UL	0909	9,5– 6,5	22,0	42,0	6,0	09	17x18,9	50
	15052UL	1108	8,0– 5,0	24,0	49,0	9,0	11	22x24,4	50
	15052UL	1109	9,5– 6,5	24,0	49,0	9,0	11	22x24,4	50
Pg 11	15152UL	1109	9,5– 6,5	24,0	49,0	9,0	11	22x24,4	25
	15153UL	1310	10,5– 7,0	24,0	49,0	10,0	13	24x26,7	50
Pg 13,5	152UL	1109	9,5– 6,5	24,0	49,0	9,0	11	22x24,4	50
	15253UL	1310	10,5– 7,0	24,0	49,0	10,0	13	24x26,7	50
	15254UL	1613	13,0– 9,0	24,0	49,0	14,0	16	30x33,5	25
Pg 16	153UL	1310	10,5– 7,0	24,0	48,0	10,0	13	24x26,7	25
	15354UL	1614	14,0– 11,5	27,0	50,0	14,0	16	30x33,5	10
Pg 21	154UL	1614	15,5– 11,5	27,0	50,0	14,0	16	30x33,5	10
	15455UL	2118	18,0– 14,0	31,0	60,5	22,0	21	40x43,5	10
	15455UL	2121	20,5– 17,0	31,0	60,5	22,0	21	40x43,5	10
Pg 29	155UL	2118	18,0– 14,0	30,0	58,5	22,0	21	40x43,5	5
	155UL	2120	20,5– 17,0	30,0	58,5	22,0	21	40x43,5	5
	15556UL	2925	25,0– 20,0	32,0	64,5	30,0	29	50x54	5
Pg 36	156UL	2925	25,0– 20,0	32,0	64,5	30,0	29	50x54	5
	156UL	2932	30,0– 27,0	32,0	64,5	30,0	29	50x54	5

Ausführung bitte ergänzen
Indicate product details

TPE =
TPE-V = p
LSR = i

Passender Schlauch s. Seite 451
Suitable hose see page 451

U43. UNI UL-Schlauch Pg Kabelverschraubung

U43. UNI UL hose Pg cable gland

RoHS



Abb. 1
Fig. 1



Abb. 2
Fig. 2

PVDF, transparent
Pg-Anschlussgewinde
Schutzart IP 68 bis 10 bar (zum Kabel)

PVDF, transparent
Pg connection thread
Type of protection IP 68 up to 10 bar (at the cable)

i **UL-Schlauch-Montage mit der Sicherungsring-Zange, siehe Seite 496**
UL hose installation with circlip pliers, see page 496

Werkstoff Verschraubungskörper <i>Material gland body</i>	Ausführung/Farbe <i>Version/colour</i>	Werkstoff Dichteseinsatz <i>Material sealing insert</i>	Farbe <i>Colour</i>	Bestellschlüssel <i>Art. no. supplement</i>	Temperaturbereich min./max. <i>Temperature range min./max.</i>
PVDF	transparent	TPE	s. FC s. CC		-40 °C / +130 °C
PVDF	transparent	TPE-V	natur <i>natural</i>	p	-40 °C / +135 °C
PVDF	transparent	LSR	transparent	i	-40 °C / +150 °C

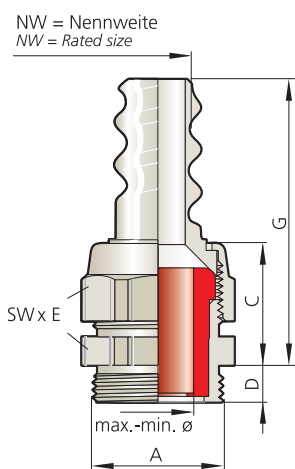


Abb. 3
Fig. 3

Anschlussgewinde/ -länge <i>Connection thread/length</i>		Art.-Nr. <i>Art. no.</i>	Dichtbereich <i>Sealing range</i>	Bauhöhe <i>Mounting height</i>	NW <i>Rated size</i>	Schlüsselweite <i>Spanner width</i>				
A	D mm	TPE = p TPE-V = i LSR = i	max./min. ø mm	C mm	G mm	i-Ø mm	SW x E mm			
		Ausführung bitte ergänzen <i>Indicate product details</i>								
Pg 7	8,0	14950yUL	0906	6,0– 4,0	23,0	45,0	6,0	09	19x21,2	50
Pg 9	8,5	15052yUL	1108	8,0– 5,0	25,0	50,0	9,0	11	24x26,5	50
		15052yUL	1109	9,0– 6,5	25,0	50,0	9,0	11	24x26,5	50
Pg 9	9,0	150yUL	0906	6,0– 4,0	24,0	45,0	6,0	09	19x21,2	50
Pg 11	8,0	15152yUL	1109	9,0– 6,5	25,0	50,0	9,0	11	24x26,5	50
Pg 11	9,0	15153yUL	1310	10,0– 7,0	26,0	50,0	10,0	13	27x29,5	50
Pg 13,5	8,5	15253yUL	1306	6,5– 4,0	26,0	50,0	10,0	13	27x29,5	50
		15253yUL	1309	9,5– 6,5	26,0	50,0	10,0	13	27x29,5	50
		15253yUL	1310	10,0– 7,0	26,0	50,0	10,0	13	27x29,5	50
Pg 13,5	9,0	152yUL	1109	9,0– 6,5	25,0	50,0	9,0	11	24x26,5	50
		15254yUL	1613	13,0– 9,0	29,0	53,0	14,0	16	33x36,5	10
		15254yUL	1614	14,0– 11,5	29,0	53,0	14,0	16	33x36,5	10
Pg 16	9,0	153yUL	1308 *	8,0– 5,0	26,0	50,0	10,0	13	27x29,5	50
		153yUL	1310	10,0– 7,0	26,0	50,0	10,0	13	27x29,5	50
		15354yUL	1614	14,0– 11,5	29,0	53,0	14,0	16	33x36,5	25
Pg 16	10,0	15355yUL	2118	18,0– 14,0	33,0	62,0	22,0	21	43x46	10
Pg 21	11,0	154yUL	1610 *	10,5– 7,0	29,0	53,0	14,0	16	33x36,5	25
		154yUL	1613	13,0– 9,0	29,0	53,0	14,0	16	33x36,5	25
		154yUL	1614	14,0– 11,5	29,0	53,0	14,0	16	33x36,5	25
		15455yUL	2118	18,0– 14,0	33,0	62,0	22,0	21	43x46	10
		15455yUL	2121	20,5– 17,0	33,0	62,0	22,0	21	43x46	10
Pg 29	10,5	155yUL	2118	18,0– 14,0	33,0	62,0	22,0	21	43x46	10
Pg 29	11,0	15556yUL	2921 *	20,5– 17,0	36,0	70,0	30,0	29	53x57	5
		15556yUL	2925 *	25,0– 20,0	36,0	70,0	30,0	29	53x57	5
Pg 36	13,0	156yUL	2925	25,0– 20,0	36,0	70,0	30,0	29	53x57	5

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

Passender Schlauch s. Seite 451
Suitable hose see page 451

315300 | TT06810

U8. UNI Schlauch Pg Kabelverschraubung

U8. UNI hose Pg cable gland



Abb. 1
Fig. 1



Abb. 2
Fig. 2

Messing vernickelt
Pg-Anschlussgewinde
Schutzart IP 68 bis 10 bar (zum Kabel)

Brass nickel plated
Pg connection thread
Type of protection IP 68 up to 10 bar (at the cable)

i Wir empfehlen zur Montage Schlauchschellen, siehe Seite 486.
For the installation we recommend hose clips, see page 486.

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	grau grey	p	-40 °C / +135 °C
Messing Brass	vernickelt nickel plated	LSR	transparent	i	-60 °C / +200 °C

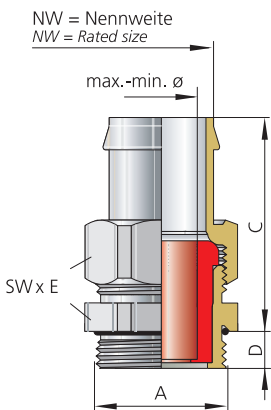


Abb. 3
Fig. 3

Anschlussgewinde/ -länge Connection thread/length		Art.-Nr. Art. no.	Dichtbereich Sealing range	Bauhöhe Mounting height	NW Rated size	Schlüsselweite Spanner width			
A	D mm	TPE = p TPE-V = i LSR = i	max./min. ø mm	C mm	i-Ø mm	SW x E mm			
Pg 7	5,0	14950sd	09.07	6,5– 4,0	40,0	7,0	09	17x18,9	50
		14950sd	11.07	6,5– 4,0	40,0	9,5	11	17x18,9	50
Pg 9	6,0	150sd	09.07	6,5– 4,0	40,0	7,0	09	17x18,9	50
		150sd	09.08	7,0– 5,0	40,0	7,0	09	17x18,9	50
		150sd	11.07	6,5– 4,0	40,0	9,5	11	17x18,9	50
		150sd	11.09	9,5– 6,5	40,0	9,5	11	17x18,9	50
		150sd	13.07	6,5– 4,0	40,0	10,5	13	17x18,9	50
		150sd	13.08	8,0– 5,0	40,0	10,5	13	17x18,9	50
		150sd	13.09	9,5– 6,5	40,0	10,5	13	17x18,9	50
Pg 11	6,0	15051sd	11.09	9,5– 6,5	40,0	9,5	11	20x22,2	50
		15051sd	13.11	10,5– 7,0	40,0	10,5	13	20x22,2	50
		151sd	11.09	9,5– 6,5	40,0	9,5	11	22x24,4	50
		151sd	13.07	6,5– 4,0	40,0	10,5	13	22x24,4	50
		151sd	13.08	8,0– 5,0	40,0	10,5	13	22x24,4	50
		151sd	13.09	9,5– 6,5	40,0	10,5	13	22x24,4	50
		151sd	13.10	10,5– 7,0	40,0	10,5	13	22x24,4	50
Pg 13,5	6,5	15152sd	16.09	9,5– 6,5	40,0	14,0	16	22x24,4	25
		15153sd	18.09	9,5– 6,5	40,0	16,0	18	24x26,7	25
		152sd	11.09	9,5– 6,5	40,0	9,5	11	22x24,4	25
		152sd	13.07	6,5– 4,0	40,0	10,5	13	22x24,4	25
		152sd	13.09	9,5– 6,5	40,0	10,5	13	22x24,4	25
		152sd	13.10	10,5– 7,0	40,0	10,5	13	22x24,4	25
		152sd	13.13	13,0– 9,0	40,0	10,5	13	22x24,4	25
Pg 16	6,5	152sd	16.09	9,5– 6,5	40,0	14,0	16	22x24,4	25
		152sd	16.10	10,5– 7,0	40,0	14,0	16	22x24,4	25
		152sd	16.13	13,0– 9,0	40,0	14,0	16	22x24,4	25
		153sd	13.09	9,5– 6,5	40,0	10,5	13	24x26,7	25
		153sd	13.10	10,5– 7,0	40,0	10,5	13	24x26,7	25
		153sd	16.09	9,5– 6,5	40,0	14,0	16	24x26,7	25
		153sd	16.11	10,5– 7,0	40,0	14,0	16	24x26,7	25
Pg 13,5	6,5	153sd	16.13	13,0– 9,0	40,0	14,0	16	24x26,7	25
		153sd	16.16	14,0– 11,5	40,0	14,0	16	24x26,7	25
		153sd	18.07	6,5– 4,0	40,0	16,0	18	24x26,7	25
		153sd	18.09	9,5– 6,5	40,0	16,0	18	24x26,7	25

354003 | IT07000

Fortsetzung auf der nächsten Seite
Continued on next page

U8. UNI Schlauch Pg Kabelverschraubung

U8. UNI hose Pg 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	NW Rated size	Schlüsselweite Spanner width			
A	D mm	TPE = p	max./min. ø mm	C mm	i-Ø mm	SW x E mm	25		
		TPE-V = i							
Ausführung bitte ergänzen Indicate product details									
Pg 16	6,5	153sd	18.11	10,5– 7,0	40,0	16,0	18	24x26,7	25
		153sd	18.13	13,0– 9,0	40,0	16,0	18	24x26,7	25
		153sd	18.16	15,5– 11,5	40,0	16,0	18	24x26,7	25
		15354sd	21.13	13,0– 9,0	44,0	19,0	21	30x33,5	10
		15354sd	21.16	15,5– 11,5	44,0	19,0	21	30x33,5	10
		15354sd	21.18	18,0– 14,0	44,0	19,0	21	30x33,5	10
		15354sd	21.20	19,0– 17,0	44,0	19,0	21	30x33,5	10
Pg 21	7,0	154sd	18.11 *	10,5– 7,0	44,0	16,0	18	30x33,5	10
		154sd	18.13	13,0– 9,0	44,0	16,0	18	30x33,5	10
		154sd	18.16	15,5– 11,5	44,0	16,0	18	30x33,5	10
		154sd	21.16	15,5– 11,5	44,0	19,0	21	30x33,5	10
		154sd	21.18	18,0– 14,0	44,0	19,0	21	30x33,5	10
		154sd	24.16	15,5– 11,5	44,0	22,0	24	30x33,5	10
		154sd	24.18	18,0– 14,0	44,0	22,0	24	30x33,5	10
		154sd	24.20	20,5– 17,0	44,0	22,0	24	30x33,5	10
Pg 29	8,0	155sd	29.20	20,5– 17,0	47,0	27,5	29	40x43,5	10
		155sd	29.25	25,0– 20,0	47,0	27,5	29	40x43,5	10
		155sd	29.28	28,0– 24,0	47,0	27,5	29	40x43,5	10
		155sd	31.28	28,0– 24,0	47,0	29,0	31	40x43,5	10
Pg 36	9,0	156sd	36.34	34,0– 29,0	50,0	34,0	36	50x54	10

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

Passende Schläuche ab Seite 452
Suitable hoses see page 452

35-400 | IT07000

U30. UNI Schlauch Pg Kabelverschraubung

U30. UNI hose Pg cable gland

RoHS



Abb. 1
Fig. 1



Abb. 2
Fig. 2

**PA 6-3, Farben: grau (RAL 7032), schwarz (RAL 9005)
Pg-Anschlussgewinde
Schutzart IP 68 bis 10 bar (zum Kabel)**

PA 6-3, colour: grey (RAL 7032), black (RAL 9005)
Pg connection thread
Type of protection IP 68 up to 10 bar (at the cable)

i Wir empfehlen zur Montage Schlauchschellen, siehe Seite 486.
For the installation we recommend hose clips, see page 486.

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	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

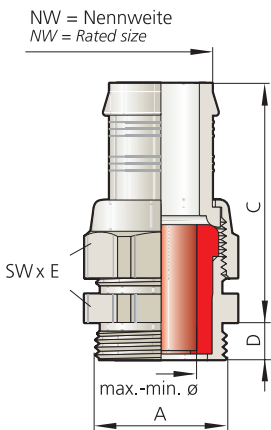


Abb. 3
Fig. 3

Anschlussgewinde/-länge Connection thread/length		Art.-Nr. Art. no.	Dichtbereich Sealing range	Bauhöhe Mounting height	NW Rated size	Schlüsselweite Spanner width			
Ausführung bitte ergänzen Indicate product details									
A	D mm	grau/grey = p schwarz/black = n	= TPE = TPE-V = LSR	max./min. ø mm	C mm	i-Ø mm			
						SW x E mm			
Pg 7	8,0	14950su	09.07	6,5– 4,0	41,0	7,0	09	19x21,2	50
Pg 9	9,0	150su	09.07	6,5– 4,0	41,0	7,0	09	19x21,2	50
		150su	09.08	7,0– 5,0	41,0	7,0	09	19x21,2	50
Pg 9	8,0	15051su	11.09	9,5– 6,5	28,0	9,5	11	22x24,4	50
Pg 11	9,0	151su	11.07	6,5– 4,0	42,0	9,5	11	22x24,4	50
		151su	11.09	9,5– 6,5	42,0	9,5	11	22x24,4	50
Pg 11	8,0	15152su	13.09	9,5– 6,5	42,0	10,5	13	24x26,5	25
		15152su	13.11	10,5– 7,0	42,0	10,5	13	24x26,5	25
Pg 13,5	9,0	152su	09.08	7,0– 5,0	42,0	7,0	09	24x26,7	25
		152su	11.09	9,5– 6,5	42,0	9,5	11	24x26,7	25
		152su	13.07	6,5– 4,0	42,0	10,5	13	24x26,7	25
		152su	13.08	8,0– 5,0	42,0	10,5	13	24x26,7	25
		152su	13.11	10,5– 7,0	42,0	10,5	13	24x26,7	25
Pg 13,5	8,5	15253su	16.13	13,0– 9,0	42,0	13,5	16	27x29,5	50
Pg 13,5	9,0	15254su	21.16	15,5– 11,5	42,0	19,0	21	33x36,5	10
Pg 16	9,0	153su	11.09	9,5– 6,5	42,0	9,5	11	27x29,5	25
		153su	16.11	10,5– 7,0	42,0	13,5	16	27x29,5	25
		153su	16.13	13,0– 9,0	42,0	13,5	16	27x29,5	25
		153su	16.16	13,5– 11,5	42,0	13,5	16	27x29,5	25
		15354su	21.13	13,0– 9,0	46,0	19,0	21	33x36,5	10
		15354su	21.18	18,0– 14,0	46,0	19,0	21	33x36,5	10
Pg 21	11,0	154su	21.13	13,0– 9,0	46,0	19,0	21	33x36,5	10
		154su	21.16	15,0– 11,5	46,0	19,0	21	33x36,5	10
		154su	21.18	18,0– 14,0	46,0	19,0	21	33x36,5	10

Passende Schläuche ab Seite 452
Suitable hoses see page 452

S1. Schlauchstutzen Pg

S1. Hose socket Pg

RoHS



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. 1
Fig. 1

i Wir empfehlen zur Montage Schlauchschellen, siehe Seite 486.
For the installation we recommend hose clips, see page 486.

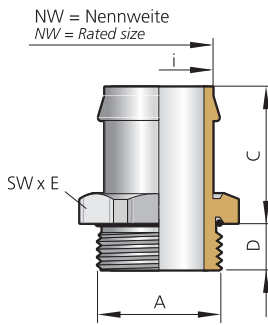


Abb. 2
Fig. 2

Anschlussgewinde/-länge Connection thread/length A	D mm	Art.-Nr. Art. no.	Bauhöhe Mounting height C		NW Rated size	Schlüsselweite Spanner width SW x E mm	5
			mm	i-Ø mm			
Pg 7	5,0	6007.09	21,0	7,0	09	14x15,5	50
Pg 9	6,0	6009.09	21,0	7,0	09	17x18,9	50
		6009.11	21,0	10,0	11	17x18,9	50
Pg 11	6,0	6011.09	21,0	7,0	09	20x22,2	50
		6011.11	21,0	10,0	11	20x22,2	50
		6011.13	21,0	12,0	13	22x24,4	50
Pg 13,5	6,5	6013.09	21,0	7,0	09	22x24,4	50
		6013.11	21,0	10,0	11	22x24,4	50
		6013.13	21,0	12,0	13	22x24,4	50
		6013.16	21,0	14,5	16	24x26,7	50
Pg 16	6,5	6016.09	21,0	7,0	09	24x26,7	50
		6016.11	21,0	10,0	11	24x26,7	50
		6016.13	21,0	12,0	13	24x26,7	50
		6016.16	21,0	14,5	16	24x26,7	50
Pg 21	7,0	6021.21	22,0	19,0	21	30x33,5	25
Pg 21	9,0	6021.24	21,0	21,0	24	30x33,5	25
Pg 29	8,0	6029.29	23,0	27,5	29	40x43,5	10
Pg 29	10,0	6029.34	23,0	30,0	34	40x43,5	10
Pg 36	9,0	6036.36	25,0	34,0	36	50x54	5
Pg 42	10,0	6042.42	25,0	40,0	42	57x61	5
Pg 48	10,0	6048.48	25,0	47,0	48	64x69	5

Passende Schläuche ab Seite 452
Suitable hoses see page 452

S53.1. Wellrohr leicht

S53.1. Corrugated conduit light

RoHS



Abb. 1
Fig. 1

Abb. 2
Fig. 2

PA 6, Farben: grau (RAL 7031), schwarz (RAL 9005)
Last: 400 N/100 mm
UL 94 V0

PA 6, colour: grey (RAL 7031), black (RAL 9005)
 Loading: 400 N/100 mm
 UL 94 V0

Werkstoff Material	Farbe Colour	Bestellschlüssel Art. no. supplement	Temperaturbereich min./max. Temperature range min./max.
PA 6	grau grey	G	-40 °C / +140 °C
PA 6	schwarz black	S	-40 °C / +140 °C

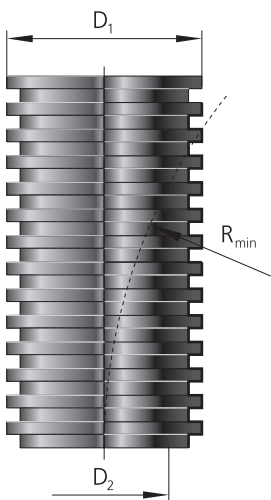


Abb. 3
Fig. 3

NW Rated size	Art.-Nr. Art. no.	D1 x D2 D1 x D2	Radius min. Radius min.	
	Ausführung bitte ergänzen Indicate product details			
	grau/grey = G		R	
	schwarz/black = S	mm	mm	
07	WRL 07	10,0 x 6,7	23	50 m
09	WRL 09	13,0 x 9,9	26	50 m
11	WRL 11	15,7 x 12,2	38	50 m
16	WRL 16	21,2 x 16,6	56	50 m
21	WRL 21	28,3 x 23,2	64	50 m
29	WRL 29	34,5 x 29,0	77	25 m
36	WRL 36	42,5 x 35,6	91	25 m
48	WRL 48	54,5 x 47,7	117	25 m

35600 | TT07.100

S53.2. Wellrohr mittel

S53.2. Corrugated conduit middle

RoHS



Abb. 1
Fig. 1



Abb. 2
Fig. 2

PA 6, Farben: grau (RAL 7031), schwarz (RAL 9005)

Last: 750 N/100 mm

UL 94 V0

PA 6, colour: grey (RAL 7031), black (RAL 9005)

Loading: 750 N/100 mm

UL 94 V0

Werkstoff Material	Farbe Colour	Bestellschlüssel Art. no. supplement	Temperaturbereich min./max. Temperature range min./max.
PA 6	grau grey	G	-40 °C / +140 °C
PA 6	schwarz black	S	-40 °C / +140 °C

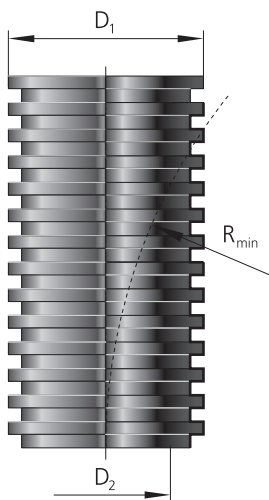


Abb. 3
Fig. 3

NW Rated size	Art.-Nr. Art. no.	D1 x D2 D1 x D2	Radius min. Radius min.	
	Ausführung bitte ergänzen Indicate product details			
	grau/grey = G		R	
	schwarz/black = S	mm	mm	
07	WRM 07	9,9 x 6,8	23	50 m
09	WRM 09	13,0 x 9,9	36	50 m
11	WRM 11	15,7 x 12,2	48	50 m
16	WRM 16	21,2 x 16,6	58	50 m
21	WRM 21	28,3 x 23,2	65	50 m
29	WRM 29	34,5 x 29,0	77	25 m
36	WRM 36	42,5 x 35,6	96	25 m
48	WRM 48	54,5 x 47,7	117	25 m

35700 | T107100

S16. Spiralschlauch mit Stahlgeflecht

RoHS

S16. Spiral tube with steel braiding



PVC/Buna (mit leicht gewellter Innenwand und außen Stahlgeflecht für schwere mechanische Belastung)

Stahl verzinkt

Temperaturbereich: -15 °C bis +60 °C

PVC/Buna (with light corrugated inner surface and outer steel braiding for heavy mechanical resistance)

Steel, zinc plated

Temperature range: -15 °C up to +60 °C

Abb. 1
Fig. 1

Abb. 2
Fig. 2

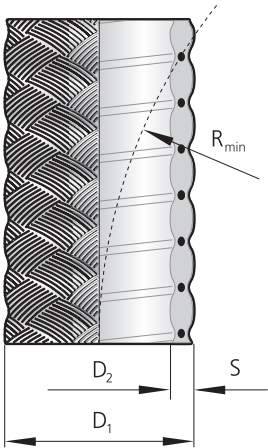


Abb. 3
Fig. 3

NW Rated size	Art.-Nr. Art. no.	D1 x D2 D1 x D2 mm	Wandstärke Wall thickness S mm	Radius min. Radius min. R mm	
10	GP 9	14,0 x 9,0	2,5	40	50 m
11	GP 11	17,0 x 12,0	2,5	60	50 m
13	GP 13	20,0 x 14,0	3,0	70	50 m
16	GP 16	22,0 x 16,0	3,0	70	50 m
21	GP 21	28,0 x 22,0	3,0	90	50 m
29	GP 29	36,0 x 30,0	3,0	140	25 m
36	GP 36	45,0 x 38,0	3,5	190	25 m
45	GP 45	53,5 x 45,0	4,0	240	25 m
50	GP 48	59,5 x 48,0	5,5	270	25 m

35800 | IT07200

S68. Metallschutzschlauch

S68. Metal conduit hose

RoHS



Abb. 1
Fig. 1



Abb. 2
Fig. 2

**Wendelgewickelter Metallschlauch
Stahl verzinkt
Profil: doppelt gefalzt**

*Spiral-wound metal hose
Steel, zinc plated
Profile: dual folded*

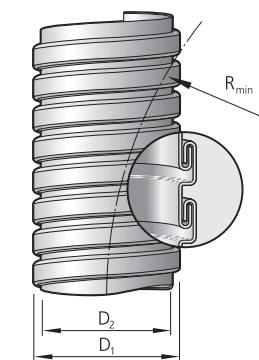


Abb. 3
Fig. 3

NW Rated size	Art.-Nr. Art. no.	D1 x D2 D1 x D2 mm	Radius min. Radius min. R mm	50 m
10	MDG 09	13,0 x 10,0	35	50 m
11	MDG 11	15,0 x 12,0	40	50 m
13	MDG 13	16,0 x 13,0	44	50 m
16	MDG 16	18,5 x 15,5	51	50 m
18	MDG 18	21,0 x 18,0	78	50 m
21	MDG 21	23,5 x 20,5	88	50 m
25	MDG 25	28,0 x 25,0	107	50 m
29	MDG 29	29,5 x 26,5	113	50 m
32	MDG 32	36,6 x 33,0	105	25 m
36	MDG 36	38,6 x 35,0	110	25 m

35900 | TT07300

S69. Metallschutzschlauch mit Stahlgeflecht

S69. Metal conduit hose

RoHS



Abb. 1
Fig. 1



Abb. 2
Fig. 2

**Wendelgewickelter Metallschlauch mit eingehaktem Profil und Kunststoffummantelung (PVC)
Verzinktes Stahlgeflecht für schwere mechanische Belastung**

*Coiled metal hose with hooked-up profile and plastic sheathing (PVC)
Galvanised steel braiding for heavy mechanical load*

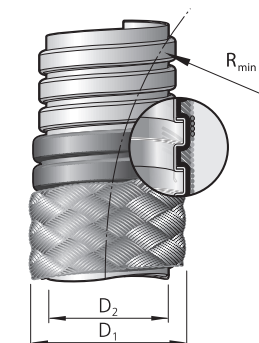


Abb. 3
Fig. 3

NW Rated size	Art.-Nr. Art. no.	D1 x D2 D1 x D2 mm	Radius min. Radius min. R mm	50 m
10	GMK 09	13,0 x 8,5	40	50 m
11	GMK 11	17,0 x 12,0	50	50 m
16	GMK 16	21,0 x 15,5	55	50 m
18	GMK 18	25,0 x 18,0	60	50 m
21	GMK 21	27,0 x 20,5	60	50 m
25	GMK 25	32,0 x 25,0	75	50 m
29	GMK 29	34,0 x 26,5	85	50 m
36	GMK 36	41,0 x 33,0	130	50 m

36000 | TT07300

S47. UL-Schlauch

S47. UL hose

RoHS



**PVC/Federstahl, Farben: grau (RAL 7037); Wendelsteigung: links
UL File Nr.: E 44755
Temperaturbereich: -20 °C bis +80 °C**

*PVC/spring steel, colour: grey (RAL 7037); Spiral pitch: left
UL File No.: E 44755
Temperature range: -20 °C up to +80 °C*

Abb. 1
Fig. 1

Abb. 2
Fig. 2

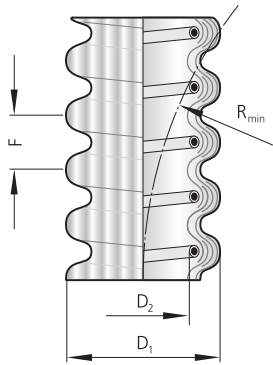


Abb. 3
Fig. 3

NW Rated size	Art.-Nr. Art. no.	D1 x D2 D1 x D2 mm	Wendelsteigung Spiral pitch F mm	Radius min. Radius min. R mm	
09	UL 0909	15,0 x 9,0	6,5	18	25 m
11	UL 1211	18,0 x 12,0	6,5	20	25 m
13	UL 1313	20,0 x 13,0	8,0	22	25 m
16	UL 1816	25,0 x 18,0	8,5	25	25 m
21	UL 2721	34,0 x 27,0	9,0	30	25 m
29	UL 3529	42,0 x 35,0	9,0	40	25 m

36100 | IT07240

S28. Flexibler Schutzschlauch

S28. Flexible hose

RoHS



**Polyurethan, doppelwandig (mit leicht gewellter Innen- und Außenwand), formstabil durch eine Hart-PVC Federspirale (kein Knicken), hochflexibel durch spezielles Luftkammersystem
UV- und ölbeständig
Temperaturbereich: -5 °C bis +60 °C**

*Protection hose made of polyurethan, double-walled with light corrugated inner and outer surface, inherently stable by hard PVC spiral spring (no kinking), highly flexible due to special air tube system
UV and oil resistant
Temperature range: -5 °C up to +60 °C*

Abb. 1
Fig. 1

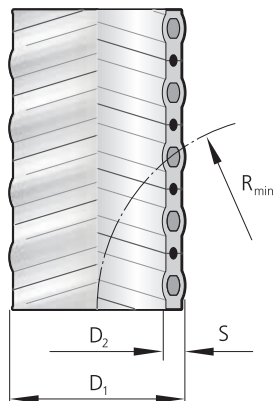


Abb. 2
Fig. 2

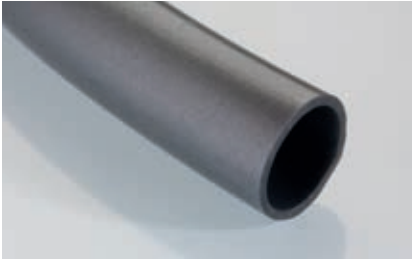
Art.-Nr. Art. no.	D1 x D2 D1 x D2 mm	Wandstärke Wall thickness S mm	Radius min. Radius min. R mm	
F 1510	15,0 x 10,0	2,5	20	25 m
F 1914	19,0 x 14,0	2,5	30	25 m
F 2822	28,0 x 22,0	3,0	45	25 m
F 4032	40,0 x 32,0	4,0	70	25 m

36200 | IT07210

S8. Silber-Schlauch

S8. Silver tube

RoHS



PVC mit glatter Innen- und Außenwand für die leichte mechanische Belastung
Temperaturbereich: -20 °C bis +80 °C

PVC with smooth inner and outer surface for installations for low-level mechanical resistance
Temperature range: -20 °C up to +80 °C

Abb. 1
Fig. 1

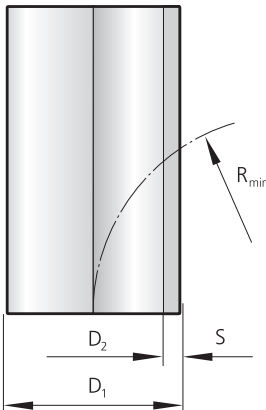


Abb. 2
Fig. 2

NW Rated size	Art.-Nr. Art. no.	D1 x D2 D1 x D2 mm	Wandstärke Wall thickness S mm	Radius min. Radius min. R mm	
09	S 9	12,0 x 9,0	1,5	50	50 m
11	S 11	14,0 x 11,0	1,5	75	50 m
13	S 13	16,0 x 13,0	1,5	85	50 m
16	S 16	20,0 x 16,0	2,0	100	50 m
21	S 21	25,0 x 21,0	2,0	110	25 m
29	S 29	33,0 x 29,0	2,0	200	50 m

36300 | TT07500

S3. Spiralschlauch

S3. Spiral tube

RoHS



PVC/Buna (mit leicht gewellter Innen- und Außenwand für die mittlere mech. Belastung)
Temperaturbereich: -15 °C bis +60 °C

PVC/Buna (with slightly corrugated inner and outer surface for installation with mid-level mechanical resistance)
Temperature range: -15 °C up to +60 °C

Abb. 1
Fig. 1

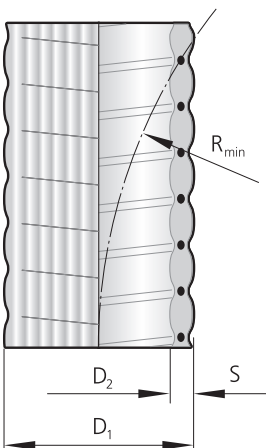


Abb. 2
Fig. 2

NW Rated size	Art.-Nr. Art. no.	D1 x D2 D1 x D2 mm	Wandstärke Wall thickness S mm	Radius min. Radius min. R mm	
09	P 9	13,0 x 9,0	2,0	40	50 m
11	P 11	16,0 x 12,0	2,0	60	50 m
13	P 13	18,6 x 14,0	2,3	70	50 m
16	P 16	20,6 x 16,0	2,3	70	50 m
18	P 18	22,8 x 18,0	2,4	75	50 m
21	P 21	27,2 x 22,0	2,6	90	25 m
29	P 29	35,4 x 30,0	2,7	140	25 m
36	P 36	44,2 x 38,0	3,1	190	25 m
45	P 45	51,5 x 45,0	3,2	240	25 m
50	P 48	56,8 x 50,0	3,4	270	25 m

36400 | TT07500