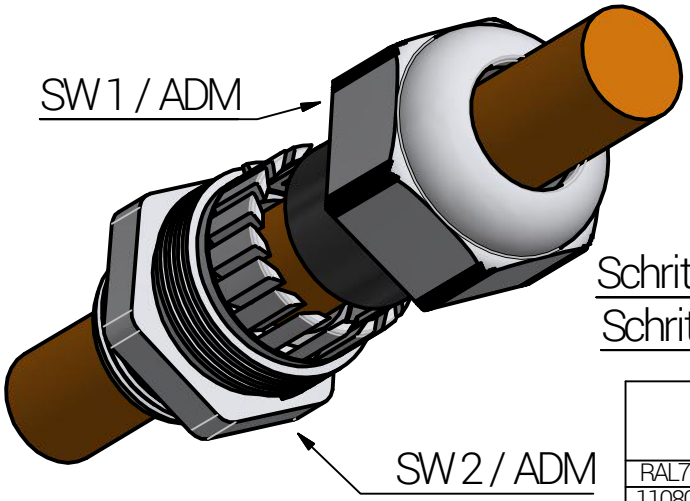
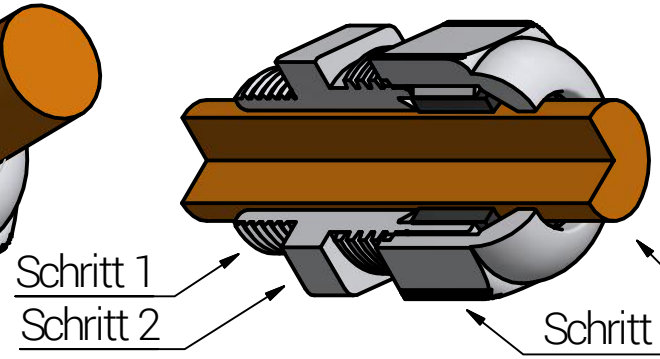
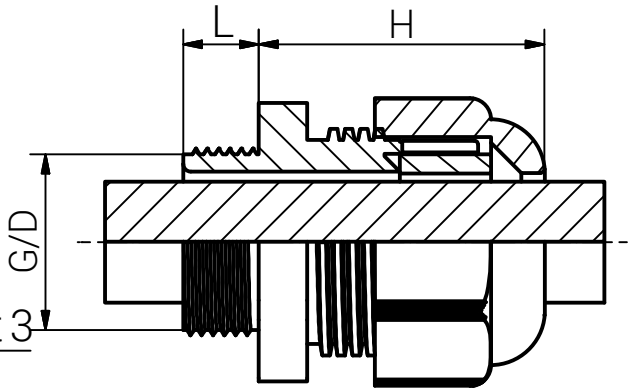
Montageanleitung







Artikel			Gewinde G	Klemmbereich (mm)		SW1 (mm)	SW2 (mm)	L (mm)	H max. (mm)	D (mm)	Durchgangs-bohrung (mm)	Anzugsdreh-moment (Nm) ADM		Kategorie der Schlagein-wirkung
RAL7035	RAL7001	RAL9005		≥	≤							Hutmutter	Stutzen	
11080512	12080512	13080512	M12x1,5	3,0	6,5	15	15	8,0	23,0	12,0	12 (0/+0,2)	2,0	1,0	2
11084516	12084516	13084516	M16x1,5	4,0	8,0	19	19	8,0	25,0	16,0	16 (0/+0,2)	2,5	2,5	2
11080516	12080516	13080516	M16x1,5	5,0	10,0	22	22	10,0	30,0	16,0	16 (0/+0,2)	2,5	2,5	2
11084517	12084517	13084517	M16x1,5	4,5	10,0	19	19	9,0	27,0	16,0	16 (0/+0,2)	2,5	2,5	2
11080520	12080520	13080520	M20x1,5	6,0	12,0	24	24	10,0	29,5	20,0	20 (0/+0,2)	4,0	3,5	2
11084520	12084520	13084520	M20x1,5	7,0	13,0	25	25	10,0	34,0	20,0	20 (0/+0,2)	5,0	3,5	2
11080522	12080522	13080522	M20x1,5	10,0	14,0	27	27	10,0	31,0	20,0	20 (0/+0,2)	5,5	3,5	2
11084525	12084525	13084525	M25x1,5	11,0	17,0	29	29	8,0	35,0	25,0	25 (0/+0,2)	5,5	3,5	4
11080525	12080525	13080525	M25x1,5	13,0	18,0	33	33	10,0	37,0	25,0	25 (0/+0,2)	9,0	3,5	4
11084532	12084532	13084532	M32x1,5	15,0	21,0	36	36	10,0	42,0	32,0	32 (0/+0,2)	6,0	5,0	4
11080532	12080532	13080532	M32x1,5	18,0	25,0	42	42	15,0	41,0	32,0	32 (0/+0,2)	10,0	5,0	4
11084540	12084540	13084540	M40x1,5	19,0	28,0	46	46	10,0	47,0	40,0	40 (0/+0,2)	11,0	5,0	4
11080540	12080540	13080540	M40x1,5	22,0	32,0	53	53	18,0	51,5	40,0	40 (0/+0,2)	20,0	5,0	4
11080550	12080550	13080550	M50x1,5	30,0	38,0	60	60	18,0	53,0	50,0	50 (0/+0,2)	20,0	8,0	4
11080563	12080563	13080563	M63x1,5	34,0	44,0	65	65	18,0	53,0	63,0	63 (0/+0,2)	20,0	12,0	4
11080575	12080575	13080575	M75x2,0	48,0	55,0	75	80	25,0	55,0	75,0	75 (0/+0,2)	30,0	30,0	4

Schritt	Montageschritt (Die Installation sollte nur von einem qualifizierten Elektriker durchgeführt werden, der in der Installation von Kabelverschraubungen geschult ist.)
1	Kabelverschraubung mit dem Anschlussgewinde am Gegenstück (z.B. Elektronikgehäuse) montieren. Zur optimalen Abdichtung empfehlen wir die Verwendung eines Anschlussgewindedichtrings.
2	Stutzen soweit anziehen, dass die Dichtlippe ihre Funktion erfüllt. Als Richtwert gilt der in der Tabelle genannte ADM. Zu festes Anziehen kann zu Beschädigungen führen.
3	Kabel durch die Kabelverschraubungen führen.
4	Hutmutter soweit anziehen, dass der Dichteinsatz seine Funktion erfüllt. Zu festes Anziehen kann zu Beschädigungen führen.

Durchmesser des Montagelochs:
- Gewindebohrung gemäß EN 60423
- Durchgangsbohrung siehe Tabelle.

Zugentlastung gemäß EN 62444 : 2013
- Klemmbereich 2-4 mm = Rückhaltevermögen
- Klemmbereich 3-4 mm nur bei M12 = Rückhaltevermögen
- Rest = Kategorie A

IP-Schutzart ist IP 68 (5 bar / 30 min.) / IP 66.

Einsatztemperatur: -40°C** bis + 100°C
kurzfristig bis +150°C
** IP-Schutzarten und Zugentlastung nach EN 62444 werden aufrecht erhalten.

RST Rabe-System-Technik und Vertriebs-GmbH
Otto-Lilienthal-Strasse 19
49134 Wallenhorst
+49 5407 8766-0
+49 5407 8766-99
info@rst.eu

Unless otherwise specified on the drawing:
Metric Thread = EN 60423
PG Thread = DIN 40430
NPT Thread = ANSI B1.20.1
Tolerence: DIN ISO 2768-m
All dimensions in mm.

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Status	Modification	Date	Name
I	Modell 1x084520 erg.	07.10.2026	SL
H	Modell 1x084517 erg.	15.04.2025	SL
G	Text angepasst	31.05.2022	SL
F	ADM - Stutzen: M 12	09.08.2021	SL
E	Anzugsdrehmoment	10.05.2021	SL
D	ADM + Texte	09.11.2020	SL
C	IP-Schutzart	30.03.2020	SL
B	Anzugsdrehmonent	20.03.2019	SL

	Date	Name
Draw.	11.07.2018	SL
Appr.	11.07.2018	KH
Norm		
Scale:		1:1
Material:		

Euro-Top Polyamid M

Drawing-Nr.: 1x08x5xx_SZM_TD_German

1 of 1

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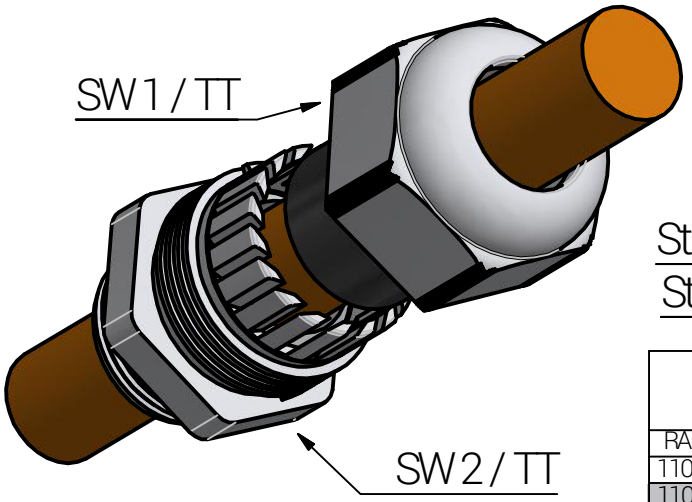
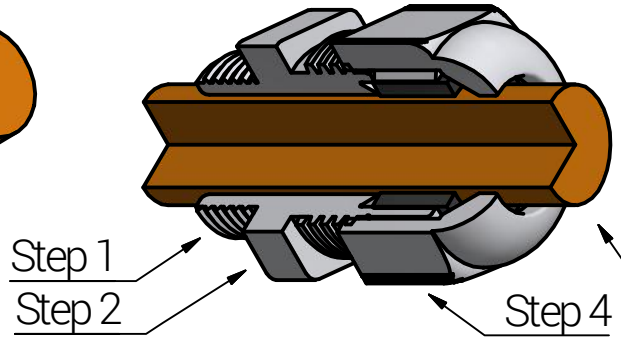
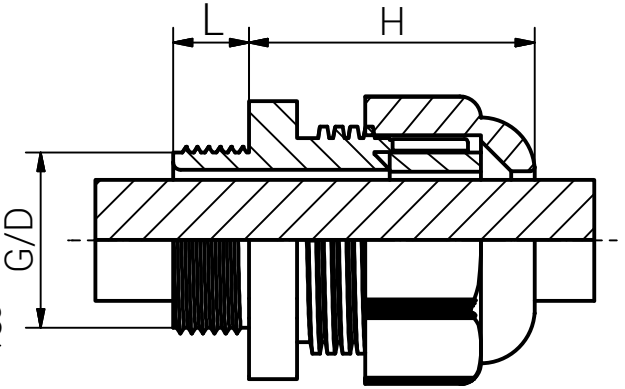
V35

Bitte beachten Sie, dass es sich bei der o.a. Darstellung nur um ein Maßbild handelt.

Mounting Instruction







Article			Thread G	Clamping Range (mm)		SW1 (mm)	SW2 (mm)	L (mm)	H max. (mm)	D (mm)	Non Threaded Enclosure (mm)	Tightening Torque (Nm) TT		Impact Category
RAL7035	RAL7001	RAL9005		≥	≤							Cap	Body	
11080512	12080512	13080512	M12x1,5	3,0	6,5	15	15	8,0	23,0	12,0	12 (0/+0,2)	2,0	1,0	2
11084516	12084516	13084516	M16x1,5	4,0	8,0	19	19	8,0	25,0	16,0	16 (0/+0,2)	2,5	2,5	2
11080516	12080516	13080516	M16x1,5	5,0	10,0	22	22	10,0	30,0	16,0	16 (0/+0,2)	2,5	2,5	2
11084517	12084517	13084517	M16x1,5	4,5	10,0	19	19	9,0	27,0	16,0	16 (0/+0,2)	2,5	2,5	2
11080520	12080520	13080520	M20x1,5	6,0	12,0	24	24	10,0	29,5	20,0	20 (0/+0,2)	4,0	3,5	2
11084520	12084520	13084520	M20x1,5	7,0	13,0	25	25	10,0	34,0	20,0	20 (0/+0,2)	5,0	3,5	2
11080522	12080522	13080522	M20x1,5	10,0	14,0	27	27	10,0	31,0	20,0	20 (0/+0,2)	5,5	3,5	2
11084525	12084525	13084525	M25x1,5	11,0	17,0	29	29	8,0	35,0	25,0	25 (0/+0,2)	5,5	3,5	4
11080525	12080525	13080525	M25x1,5	13,0	18,0	33	33	10,0	37,0	25,0	25 (0/+0,2)	9,0	3,5	4
11084532	12084532	13084532	M32x1,5	15,0	21,0	36	36	10,0	42,0	32,0	32 (0/+0,2)	6,0	5,0	4
11080532	12080532	13080532	M32x1,5	18,0	25,0	42	42	15,0	41,0	32,0	32 (0/+0,2)	10,0	5,0	4
11084540	12084540	13084540	M40x1,5	19,0	28,0	46	46	10,0	47,0	40,0	40 (0/+0,2)	11,0	5,0	4
11080540	12080540	13080540	M40x1,5	22,0	32,0	53	53	18,0	51,5	40,0	40 (0/+0,2)	20,0	5,0	4
11080550	12080550	13080550	M50x1,5	30,0	38,0	60	60	18,0	53,0	50,0	50 (0/+0,2)	20,0	8,0	4
11080563	12080563	13080563	M63x1,5	34,0	44,0	65	65	18,0	53,0	63,0	63 (0/+0,2)	20,0	12,0	4
11080575	12080575	13080575	M75x2,0	48,0	55,0	75	80	25,0	55,0	75,0	75 (0/+0,2)	30,0	30,0	4

Step	Assembly Steps (The installation should only be done by a qualified electrician who are trained in the installation of cable glands.)
1	Mount the cable gland with the connection thread on the counterpart (e.g. electronic enclosure). For optimal sealing, we recommend using a connecting thread sealing ring.
2	Tighten the body until the sealing lip fulfills its function. The guiding value is the TT mentioned in the table. Over tightening may cause damage.
3	Pass the cable through the cable gland.
4	Tighten the cap until the seal fulfills its function. Over tightening may cause damage.

Diameter of the mounting hole:
- Threaded hole according to EN 60423
- Through hole see table.

Type of cable anchorage according to EN62444:2013
- Clamping range 2-4mm = cable retention
- Clamping range 3-4mm only at M12 = cable retention
- Balance = Category A

Protection Class: IP 68 (5 bar / 30 min.) / IP 66.

Operating Temperature: -40°C** to +100°C
intermittent up +150°C
** Protection Class and strain relief acc. to EN62444 are maintained.

RST Rabe-System-Technik und Vertriebs-GmbH
Otto-Lilienthal-Strasse 19
49134 Wallenhorst
+49 5407 8766-0
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Unless otherwise specified on the drawing:
Metric Thread = EN 60423
PG Thread = DIN 40430
NPT Thread = ANSI B1.20.1
Tolerence: DIN ISO 2768-m
All dimensions in mm.

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Status	Modification	Date	Name
I	Model 1x084520	07.10.2026	SL
H	Model 1x084517	15.04.2025	SL
G	Text	31.05.2022	SL
F	TT-Body: M 12	09.08.2021	SL
E	Tightening Torque	10.05.2021	SL
D	TT + text	09.11.2020	SL
C	Protection Class	30.03.2020	SL
B	Tightening Torque	20.03.2019	SL

	Date	Name
Draw.	17.07.2018	SL
Appr.	17.07.2018	KH
Norm		
Scale:		1:1

Material: Polyamide

Euro-Top Polyamide M

Drawing-Nr.: 1x08x5xx_SZM_TD_English

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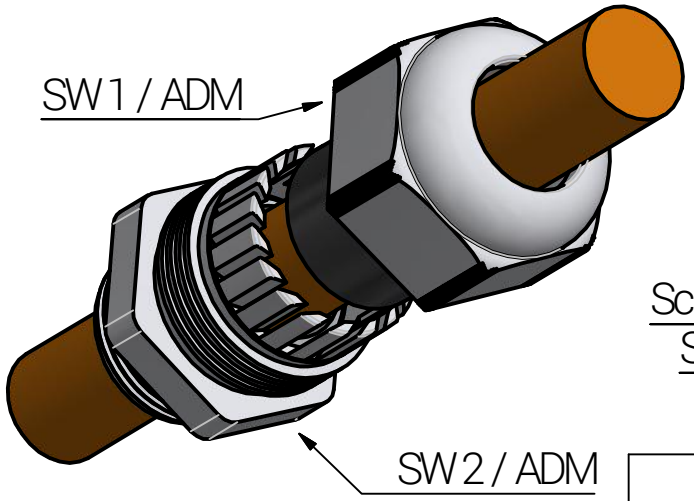
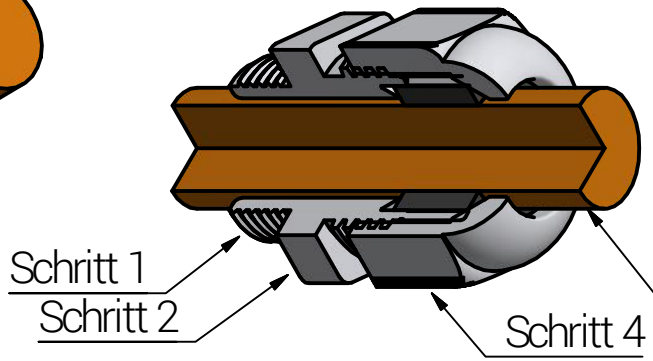
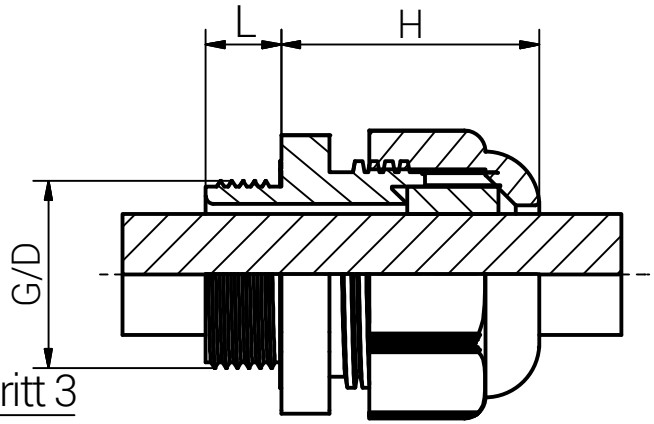
V32

Please note that the above representation is just a dimension illustration.

Montageanleitung







Artikel			Gewinde G	Klemmbereich (mm)		SW1 (mm)	SW2 (mm)	L (mm)	H max. (mm)	D (mm)	Durchgangs-bohrung (mm)	Anzugsdreh-moment (Nm) ADM		Kategorie der Schlageinwirkung
RAL7035	RAL7001	RAL9005		≥	≤							Hutmutter	Stutzen	
11180512	12180512	13180512	M12x1,5	2,0	5,0	15	15	8,0	22,5	12,0	12 (0/+0,2)	2,0	1,0	1
11184516	12184516	13184516	M16x1,5	2,0	6,0	19	19	8,0	27,4	16,0	16 (0/+0,2)	2,0	2,5	1
11180516	12180516	13180516	M16x1,5	3,0	7,0	22	22	10,0	30,0	16,0	16 (0/+0,2)	3,0	2,5	2
11180520	12180520	13180520	M20x1,5	5,0	9,0	24	24	10,0	29,5	20,0	20 (0/+0,2)	5,0	3,5	2
11180522	12180522	13180522	M20x1,5	7,0	12,0	27	27	10,0	31,0	20,0	20 (0/+0,2)	5,5	3,5	2
11180525	12180525	13180525	M25x1,5	9,0	16,0	33	33	10,0	37,0	25,0	25 (0/+0,2)	7,0	3,5	4
11184532	12184532	13184532	M32x1,5	11,0	15,0	36	36	10,0	42,3	32,0	32 (0/+0,2)	6,0	5,0	3
11180532	12180532	13180532	M32x1,5	12,0	20,0	42	42	15,0	41,0	32,0	32 (0/+0,2)	12,0	5,0	4
11184540	12184540	13184540	M40x1,5	16,0	23,0	46	46	10,0	47,4	40,0	40 (0/+0,2)	12,0	5,0	3
11180540	12180540	13180540	M40x1,5	20,0	26,0	53	53	18,0	51,5	40,0	40 (0/+0,2)	15,0	5,0	4
11180550	12180550	13180550	M50x1,5	25,0	31,0	60	60	18,0	53,0	50,0	50 (0/+0,2)	18,0	8,0	3
11180563	12180563	13180563	M63x1,5	29,0	35,0	65	65	18,0	53,0	63,0	63 (0/+0,2)	21,0	12,0	3

Schritt	Montageschritt (Die Installation sollte nur von einem qualifizierten Elektriker durchgeführt werden, der in der Installation von Kabelverschraubungen geschult ist.)
1	Kabelverschraubung mit dem Anschlussgewinde am Gegenstück (z.B. Elektronikgehäuse) montieren. Zur optimalen Abdichtung empfehlen wir die Verwendung eines Anschlussgewindedichtrings.
2	Stutzen soweit anziehen, dass die Dichtlippe ihre Funktion erfüllt. Als Richtwert gilt der in der Tabelle genannte ADM. Zu festes Anziehen kann zu Beschädigungen führen.
3	Kabel durch die Kabelverschraubungen führen.
4	Hutmutter soweit anziehen, dass der Dichteinsatz seine Funktion erfüllt. Zu festes Anziehen kann zu Beschädigungen führen.

Durchmesser des Montagelochs:
- Gewindebohrung gemäß EN 60423
- Durchgangsbohrung siehe Tabelle.

Zugentlastung gemäß EN 62444 : 2013
- Klemmbereich 2-4 mm = Rückhaltevermögen
- Klemmbereich 3-4 mm nur bei M12 = Rückhaltevermögen
- Rest = Kategorie A

IP-Schutzart ist IP 68 (5 bar / 30 min.) / IP 66.

Einsatztemperatur: -40°C** bis + 100°C
kurzfristig bis +150°C
** IP-Schutzarten und Zugentlastung nach EN 62444 werden aufrecht erhalten.

RST Rabe-System-Technik und Vertriebs-GmbH
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Unless otherwise specified on the drawing:
Metric Thread = EN 60423
PG Thread = DIN 40430
NPT Thread = ANSI B1.20.1
Tolerence: DIN ISO 2768-m
All dimensions in mm.

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					Date	Name
				Draw.	10.11.2020	SL
				Appr.	10.11.2020	KH
				Norm		
D	1x184516+4532+4540	08.10.2026	SL	Scale:		1:1
C	Impact Category: M63	29.11.2022	SL	Material:		
B	Texte angepasst	31.05.2022	SL			
A	ADM - Stutzen: M12	09.08.2021	SL			
Status	Modification	Date	Name	Z:\Inventor\Montageanleitung\Euro-Top-Polyamid\1x18x5xx_SZM_TD\Euro-Top-01-1-BG-0001-1x18x5xx_SZM_TD_German.idw		

Euro-Top Polyamid M mit Reduzierdichteinsatz

Drawing-Nr.: 1x18x5xx_SZM_TD_German

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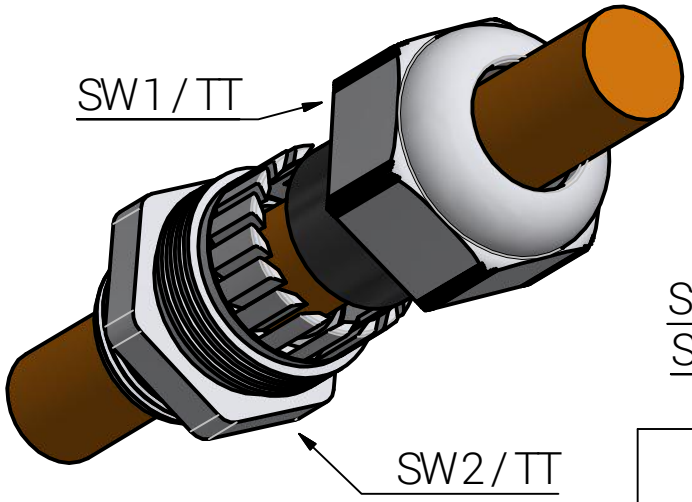
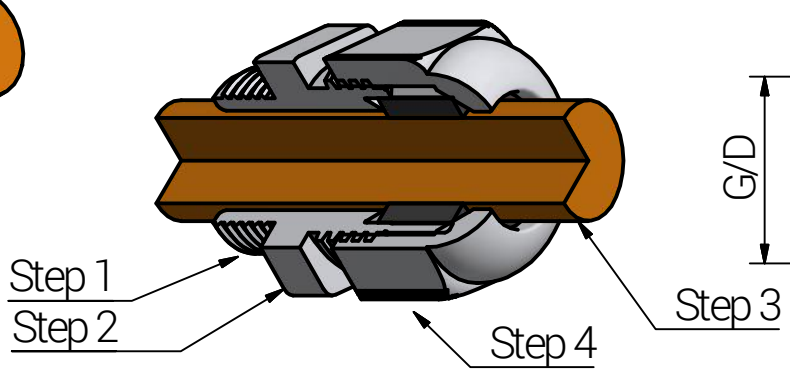
A4

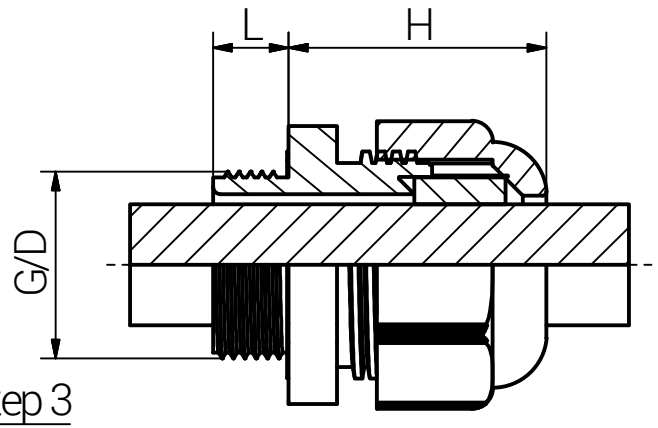
V11

Bitte beachten Sie, dass es sich bei der o.a. Darstellung nur um ein Maßbild handelt.

Mounting Instruction







Step	Assembly Steps (The installation should only be done by a qualified electrician who are trained in the installation of cable glands.)
1	Mount the cable gland with the connection thread on the counterpart (e.g. electronic enclosure). For optimal sealing, we recommend using a connecting thread sealing ring.
2	Tighten the body until the sealing lip fulfills its function. The guiding value is the TT mentioned in the table. Over tightening may cause damage.
3	Pass the cable through the cable gland.
4	Tighten the cap until the seal fulfills its function. Over tightening may cause damage.

Diameter of the mounting hole:
- Threaded hole according to EN 60423
- Through hole see table.

Type of cable anchorage according to EN62444:2013
- Clamping range 2-4mm = cable retention
- Clamping range 3-4mm only at M12 = cable retention
- Balance = Category A

Protection Class: IP 68 (5 bar / 30 min.) / IP 66.

Operating Temperature: -40°C** to +100°C
intermittent up +150°C
** Protection Class and strain relief acc. to EN62444 are maintained.

Article			Thread G	Clamping Range (mm)		SW1 (mm)	SW2 (mm)	L (mm)	H max. (mm)	D (mm)	Non Threaded Enclosure (mm)	Tightening Torque (Nm) TT		Impact Category
RAL7035	RAL7001	RAL9005		≥	≤							Cap	Body	
11180512	12180512	13180512	M12x1,5	2,0	5,0	15	15	8,0	22,5	12,0	12 (0/+0,2)	2,0	1,0	1
11184516	12184516	13184516	M16x1,5	2,0	6,0	19	19	8,0	27,4	16,0	16 (0/+0,2)	2,0	2,5	1
11180516	12180516	13180516	M16x1,5	3,0	7,0	22	22	10,0	30,0	16,0	16 (0/+0,2)	3,0	2,5	2
11180520	12180520	13180520	M20x1,5	5,0	9,0	24	24	10,0	29,5	20,0	20 (0/+0,2)	5,0	3,5	2
11180522	12180522	13180522	M20x1,5	7,0	12,0	27	27	10,0	31,0	20,0	20 (0/+0,2)	5,5	3,5	2
11180525	12180525	13180525	M25x1,5	9,0	16,0	33	33	10,0	37,0	25,0	25 (0/+0,2)	7,0	3,5	4
11184532	12184532	13184532	M32x1,5	11,0	15,0	36	36	10,0	42,3	32,0	32 (0/+0,2)	6,0	5,0	3
11180532	12180532	13180532	M32x1,5	12,0	20,0	42	42	15,0	41,0	32,0	32 (0/+0,2)	12,0	5,0	4
11184540	12184540	13184540	M40x1,5	16,0	23,0	46	46	10,0	47,4	40,0	40 (0/+0,2)	12,0	5,0	3
11180540	12180540	13180540	M40x1,5	20,0	26,0	53	53	18,0	51,5	40,0	40 (0/+0,2)	15,0	5,0	4
11180550	12180550	13180550	M50x1,5	25,0	31,0	60	60	18,0	53,0	50,0	50 (0/+0,2)	18,0	8,0	3
11180563	12180563	13180563	M63x1,5	29,0	35,0	65	65	18,0	53,0	63,0	63 (0/+0,2)	21,0	12,0	3

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Otto-Lilienthal-Strasse 19
49134 Wallenhorst
+49 5407 8766-0
+49 5407 8766-99
info@rst.eu

Unless otherwise specified on the drawing:
Metric Thread = EN 60423
PG Thread = DIN 40430
NPT Thread = ANSI B1.20.1
Tolerence: DIN ISO 2768-m
All dimensions in mm.

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Status	Modification	Date	Name
D	1x184516+4532+4540	08.10.2026	SL
C	Impact Category: M63	29.11.2022	SL
B	Text	31.05.2022	SL
A	TT-Body: M 12	09.08.2021	SL

	Date	Name
Draw.	10.11.2020	SL
Appr.	10.11.2020	KH
Norm		
Scale:		1:1

Material: Polyamide

Euro-Top Polyamide M with Reducing Sealing

Drawing-Nr.: 1x18x5xx_SZM_TD_English

1 of 1

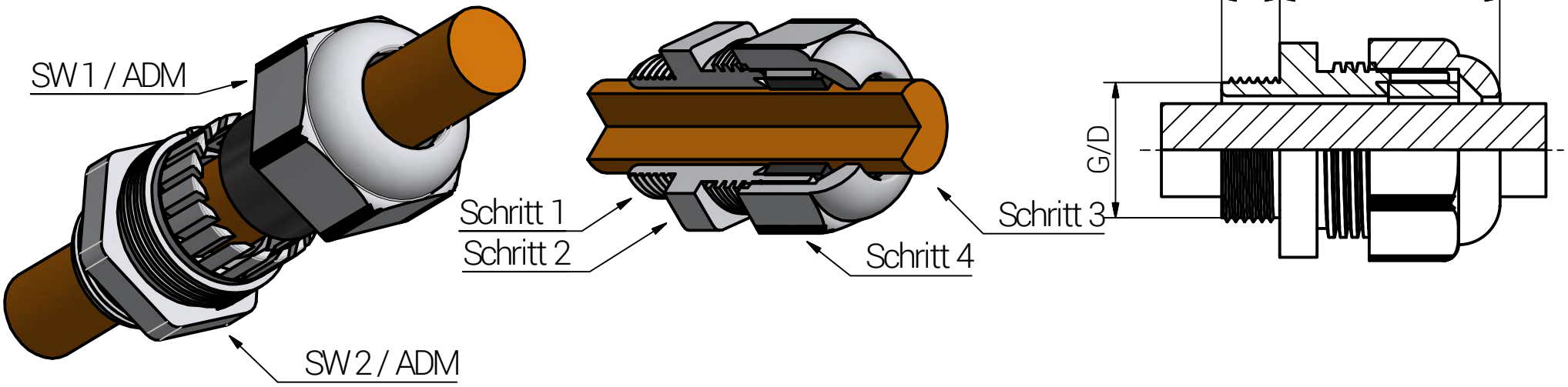
A4

Z:\Inventor\Montageanleitung\Euro-Top-Polyamid\1x18x5xx_SZM_TD\Euro-Top-01-1-BG-0001-1x18x5xx_SZM_TD_English.idw

V14

Please note that the above representation is just a dimension illustration.

Montageanleitung



Schritt	Montageschritt (Die Installation sollte nur von einem qualifizierten Elektriker durchgeführt werden, der in der Installation von Kabelverschraubungen geschult ist.)
1	Kabelverschraubung mit dem Anschlussgewinde am Gegenstück (z.B. Elektronikgehäuse) montieren. Zur optimalen Abdichtung empfehlen wir die Verwendung eines Anschlussgewindedichtrings.
2	Stutzen soweit anziehen, dass die Dichtlippe ihre Funktion erfüllt. Als Richtwert gilt der in der Tabelle genannte ADM. Zu festes Anziehen kann zu Beschädigungen führen.
3	Kabel durch die Kabelverschraubungen führen.
4	Hutmutter soweit anziehen, dass der Dichteinsatz seine Funktion erfüllt. Zu festes Anziehen kann zu Beschädigungen führen.

Durchmesser des Montagelochs:
- Gewindebohrung gemäß EN 60423
- Durchgangsbohrung siehe Tabelle.

Zugentlastung gemäß EN 62444 : 2013
- Klemmbereich 2-4 mm = Rückhaltevermögen
- Klemmbereich 3-4 mm nur bei M12 = Rückhaltevermögen
- Rest = Kategorie A

IP-Schutzart ist IP 68 (5 bar / 30 min.) / IP 66.

Einsatztemperatur: -40°C** bis + 100°C
kurzfristig bis +150°C
** IP-Schutzarten und Zugentlastung nach EN 62444 werden aufrecht erhalten.

Artikel			Gewinde G	Klemmbereich (mm)		SW1 (mm)	SW2 (mm)	L (mm)	H max. (mm)	D (mm)	Durchgangs-bohrung (mm)	Anzugsdreh-moment (Nm) ADM		Kategorie der Schlageinwirkung
RAL7035	RAL7001	RAL9005		≥	≤							Hutmutter	Stutzen	
11480512	12480512	13480512	M12x1,5	3,0	6,5	15	15	15,0	22,5	12,0	12 (0/+0,2)	2,0	1,0	2
11484516	12484516	13484516	M16x1,5	4,0	8,0	19	19	15,0	26,5	16,0	16 (0/+0,2)	2,5	2,5	2
11480516	12480516	13480516	M16x1,5	5,0	10,0	22	22	15,0	30,0	16,0	16 (0/+0,2)	2,5	2,5	2
11480520	12480520	13480520	M20x1,5	6,0	12,0	24	24	15,0	29,5	20,0	20 (0/+0,2)	5,0	3,5	2
11480522	12480522	13480522	M20x1,5	10,0	14,0	27	27	15,0	31,0	20,0	20 (0/+0,2)	5,5	3,5	2
11484525	12484525	13484525	M25x1,5	11,0	17,0	29	29	15,0	35,0	25,0	25 (0/+0,2)	5,0	3,5	4
11480525	12480525	13480525	M25x1,5	13,0	18,0	33	33	15,0	37,0	25,0	25 (0/+0,2)	8,0	3,5	4
11484532	12484532	13484532	M32x1,5	15,0	21,0	36	36	15,0	42,3	32,0	32 (0/+0,2)	6,0	5,0	3
11484540	12484540	13484540	M40x1,5	19,0	28,0	46	46	18,0	47,4	40,0	40 (0/+0,2)	11,0	5,0	4

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Otto-Lilienthal-Strasse 19
49134 Wallenhorst
+49 5407 8766-0
+49 5407 8766-99
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PG Thread = DIN 40430
NPT Thread = ANSI B1.20.1
Tolerence: DIN ISO 2768-m
All dimensions in mm.

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	Date	Name
Draw.	22.10.2026	SL
Appr.	22.10.2026	KH
Norm		
Scale:		1:1
Material:		

Euro-Top Polyamid M Langgewinde

Drawing-Nr.: 1x48x5xx_SZM_TD_German

1 of 1

A4

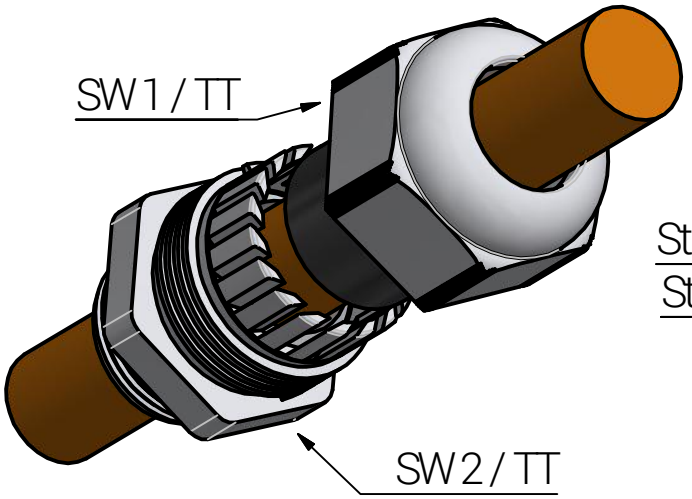
Status	Modification	Date	Name

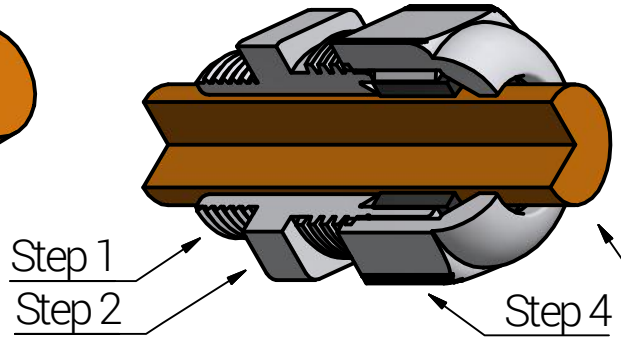
Z:\Inventor\Montageanleitung\Euro-Top-Polyamid\1x48x5xx_SZM_TD\Euro-Top-01-1-BG-0001-1x48x5xx_SZM_TD_German.idw

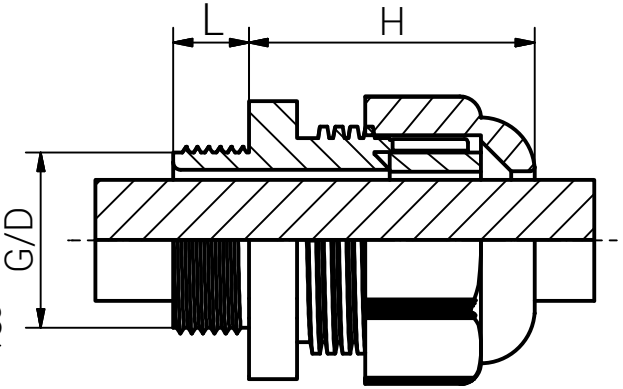
V41

Bitte beachten Sie, dass es sich bei der o.a. Darstellung nur um ein Maßbild handelt.

Mounting Instruction







Step	Assembly Steps (The installation should only be done by a qualified electrician who are trained in the installation of cable glands.)
1	Mount the cable gland with the connection thread on the counterpart (e.g. electronic enclosure). For optimal sealing, we recommend using a connecting thread sealing ring.
2	Tighten the body until the sealing lip fulfills its function. The guiding value is the TT mentioned in the table. Over tightening may cause damage.
3	Pass the cable through the cable gland.
4	Tighten the cap until the seal fulfills its function. Over tightening may cause damage.

Diameter of the mounting hole:
- Threaded hole according to EN 60423
- Through hole see table.

Type of cable anchorage according to EN62444:2013
- Clamping range 2-4mm = cable retention
- Clamping range 3-4mm only at M12 = cable retention
- Balance = Category A

Protection Class: IP 68 (5 bar / 30 min.) / IP 66.

Operating Temperature: -40°C** to +100°C
intermittent up +150°C
** Protection Class and strain relief acc. to EN62444 are maintained.

Article			Thread G	Clamping Range (mm)		SW1 (mm)	SW2 (mm)	L (mm)	H max. (mm)	D (mm)	Non Threaded Enclosure (mm)	Tightening Torque (Nm) TT		Impact Category
RAL7035	RAL7001	RAL9005		≥	≤							Cap	Body	
11480512	12480512	13480512	M12x1,5	3,0	6,5	15	15	15,0	22,5	12,0	12 (0/+0,2)	2,0	1,0	2
11484516	12484516	13484516	M16x1,5	4,0	8,0	19	19	15,0	26,5	16,0	16 (0/+0,2)	2,5	2,5	2
11480516	12480516	13480516	M16x1,5	5,0	10,0	22	22	15,0	30,0	16,0	16 (0/+0,2)	2,5	2,5	2
11480520	12480520	13480520	M20x1,5	6,0	12,0	24	24	15,0	29,5	20,0	20 (0/+0,2)	5,0	3,5	2
11480522	12480522	13480522	M20x1,5	10,0	14,0	27	27	15,0	31,0	20,0	20 (0/+0,2)	5,5	3,5	2
11484525	12484525	13484525	M25x1,5	11,0	17,0	29	29	15,0	35,0	25,0	25 (0/+0,2)	5,0	3,5	4
11480525	12480525	13480525	M25x1,5	13,0	18,0	33	33	15,0	37,0	25,0	25 (0/+0,2)	8,0	3,5	4
11484532	12484532	13484532	M32x1,5	15,0	21,0	36	36	15,0	42,3	32,0	32 (0/+0,2)	6,0	5,0	3
11484540	12484540	13484540	M40x1,5	19,0	28,0	46	46	18,0	47,4	40,0	40 (0/+0,2)	11,0	5,0	4

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49134 Wallenhorst
+49 5407 8766-0
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Unless otherwise specified on the drawing:
Metric Thread = EN 60423
PG Thread = DIN 40430
NPT Thread = ANSI B1.20.1
Tolerence: DIN ISO 2768-m
All dimensions in mm.

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	Date	Name
Draw.	22.10.2026	SL
Appr.	22.10.2026	KH
Norm		
Scale:		1:1

Material: Polyamide

Euro-Top Polyamide M Long Thread

Drawing-Nr.: 1x48x5xx_SZM_TD_English

1 of 1

A4

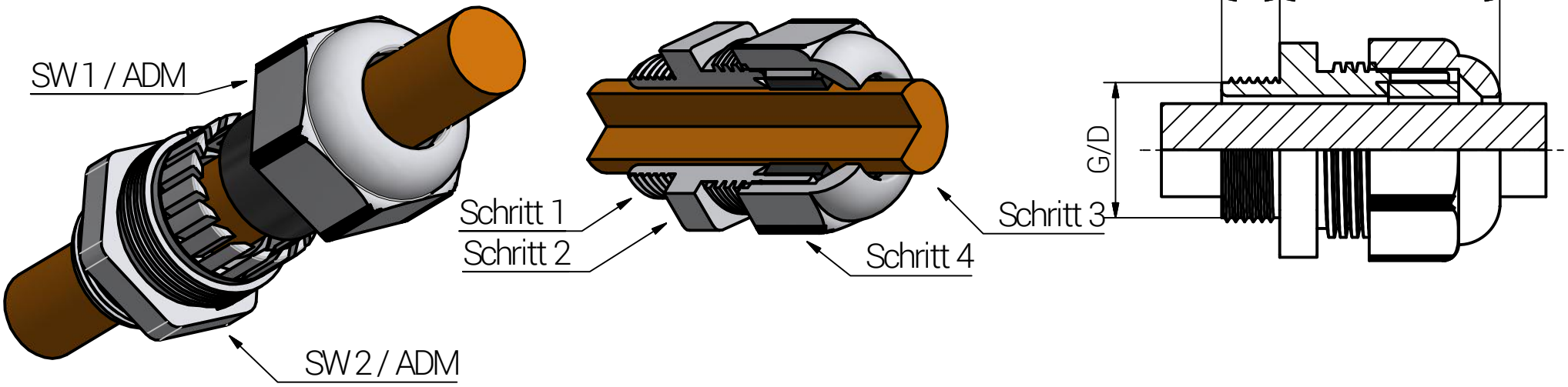
Status	Modification	Date	Name

Z:\Inventor\Montageanleitung\Euro-Top-Polyamid\1x48x5xx_SZM_TD\Euro-Top-01-1-BG-0001-1x48x5xx_SZM_TD_English.idw

V35

Please note that the above representation is just a dimension illustration.

Montageanleitung



Schritt	Montageschritt (Die Installation sollte nur von einem qualifizierten Elektriker durchgeführt werden, der in der Installation von Kabelverschraubungen geschult ist.)
1	Kabelverschraubung mit dem Anschlussgewinde am Gegenstück (z.B. Elektronikgehäuse) montieren. Zur optimalen Abdichtung empfehlen wir die Verwendung eines Anschlussgewindedichtrings.
2	Stutzen soweit anziehen, dass die Dichtlippe ihre Funktion erfüllt. Als Richtwert gilt der in der Tabelle genannte ADM. Zu festes Anziehen kann zu Beschädigungen führen.
3	Kabel durch die Kabelverschraubungen führen.
4	Hutmutter soweit anziehen, dass der Dichteinsatz seine Funktion erfüllt. Zu festes Anziehen kann zu Beschädigungen führen.

Durchmesser des Montagelochs:
- Gewindebohrung gemäß EN 60423
- Durchgangsbohrung siehe Tabelle.

Zugentlastung gemäß EN 62444 : 2013
- Klemmbereich 2-4 mm = Rückhaltevermögen
- Klemmbereich 3-4 mm nur bei M12 = Rückhaltevermögen
- Rest = Kategorie A

IP-Schutzart ist IP 68 (5 bar / 30 min.) / IP 66.

Einsatztemperatur: -40°C** bis + 100°C
kurzfristig bis +150°C
** IP-Schutzarten und Zugentlastung nach EN 62444 werden aufrecht erhalten.

Artikel			Gewinde G	Klemmbereich (mm)		SW1 (mm)	SW2 (mm)	L (mm)	H max. (mm)	D (mm)	Durchgangs-bohrung (mm)	Anzugsdreh-moment (Nm) ADM		Kategorie der Schlageinwirkung
RAL7035	RAL7001	RAL9005		≥	≤							Hutmutter	Stutzen	
11480512R	12480512R	13480512R	M12x1,5	2,0	5,0	15	15	15,0	22,5	12,0	12 (0/+0,2)	2,0	2,0	1
11484516R	12484516R	13484516R	M16x1,5	2,0	6,0	19	19	15,0	27,5	16,0	16 (0/+0,2)	2,0	2,5	1
11480516R	12480516R	13480516R	M16x1,5	3,0	7,0	22	22	15,0	30,0	16,0	16 (0/+0,2)	3,0	2,5	2
11480520R	12480520R	13480520R	M20x1,5	5,0	9,0	24	24	15,0	29,5	20,0	20 (0/+0,2)	5,0	3,5	2
11480522R	12480522R	13480522R	M20x1,5	7,0	12,0	27	27	15,0	31,0	20,0	20 (0/+0,2)	5,5	3,5	2
11480525R	12480525R	13480525R	M25x1,5	9,0	16,0	33	33	15,0	37,0	25,0	25 (0/+0,2)	7,0	3,5	4
11484532R	12484532R	13484532R	M32x1,5	11,0	15,0	36	36	15,0	42,3	32,0	32 (0/+0,2)	6,0	5,0	3
11484540R	12484540R	13484540R	M40x1,5	16,0	23,0	46	46	18,0	47,4	40,0	40 (0/+0,2)	12,0	5,0	3

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Otto-Lilienthal-Strasse 19
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+49 5407 8766-99
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Unless otherwise specified on the drawing:
Metric Thread = EN 60423
PG Thread = DIN 40430
NPT Thread = ANSI B1.20.1
Tolerence: DIN ISO 2768-m
All dimensions in mm.

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	Date	Name
Draw.	19.10.2026	SL
Appr.	19.10.2026	KH
Norm		
Scale:		1:1
Material:		

Euro-Top Polyamid M Langgewinde + Reduzierdichteinsatz

Drawing-Nr.: 1x48x5xxR_SZM_TD_German

1 of 1

A4

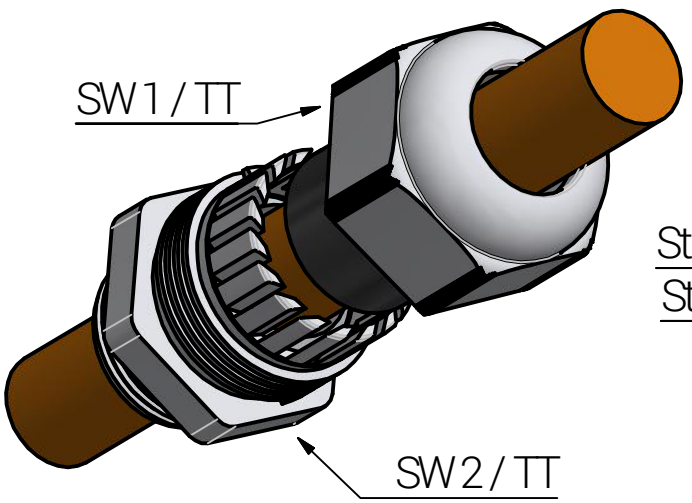
Status	Modification	Date	Name

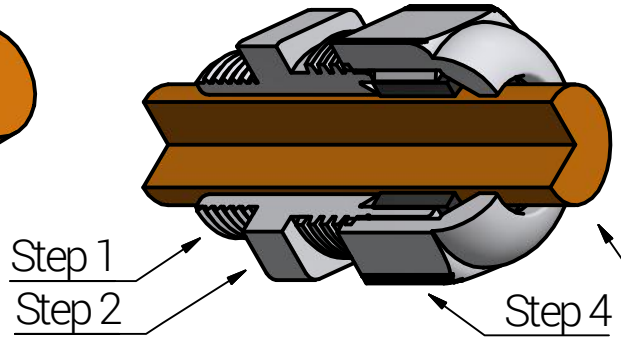
Z:\Inventor\Montageanleitung\Euro-Top-Polyamid\1x48x5xxR_SZM_TD\Euro-Top-01-1-BG-0001-1x48x5xxR_SZM_TD_German.idw

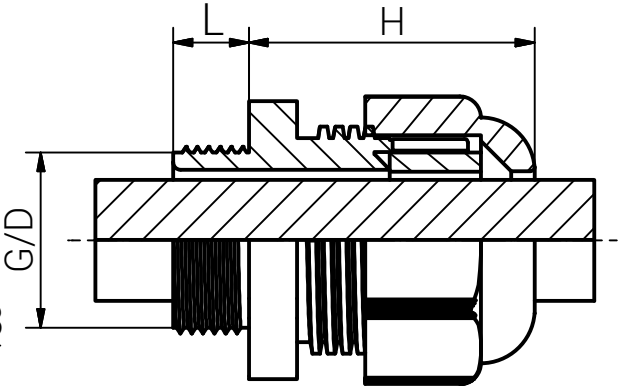
V42

Bitte beachten Sie, dass es sich bei der o.a. Darstellung nur um ein Maßbild handelt.

Mounting Instruction







Step	Assembly Steps (The installation should only be done by a qualified electrician who are trained in the installation of cable glands.)
1	Mount the cable gland with the connection thread on the counterpart (e.g. electronic enclosure). For optimal sealing, we recommend using a connecting thread sealing ring.
2	Tighten the body until the sealing lip fulfills its function. The guiding value is the TT mentioned in the table. Over tightening may cause damage.
3	Pass the cable through the cable gland.
4	Tighten the cap until the seal fulfills its function. Over tightening may cause damage.

Diameter of the mounting hole:
- Threaded hole according to EN 60423
- Through hole see table.

Type of cable anchorage according to EN62444:2013
- Clamping range 2-4mm = cable retention
- Clamping range 3-4mm only at M12 = cable retention
- Balance = Category A

Protection Class: IP 68 (5 bar / 30 min.) / IP 66.

Operating Temperature: -40°C** to +100°C
intermittent up +150°C
** Protection Class and strain relief acc. to EN62444 are maintained.

Article			Thread	Clamping Range (mm)		SW1	SW2	L	H max.	D	Non Threaded Enclosure	Tightening Torque (Nm) TT		Impact Category
			G			(mm)	(mm)	(mm)	(mm)	(mm)	(mm)			
RAL7035	RAL7001	RAL9005		≥	≤							Cap	Body	
11480512R	12480512R	13480512R	M12x1,5	2,0	5,0	15	15	15,0	22,5	12,0	12 (0/+0,2)	2,0	2,0	1
11484516R	12484516R	13484516R	M16x1,5	2,0	6,0	19	19	15,0	27,5	16,0	16 (0/+0,2)	2,0	2,5	1
11480516R	12480516R	13480516R	M16x1,5	3,0	7,0	22	22	15,0	30,0	16,0	16 (0/+0,2)	3,0	2,5	2
11480520R	12480520R	13480520R	M20x1,5	5,0	9,0	24	24	15,0	29,5	20,0	20 (0/+0,2)	5,0	3,5	2
11480522R	12480522R	13480522R	M20x1,5	7,0	12,0	27	27	15,0	31,0	20,0	20 (0/+0,2)	5,5	3,5	2
11480525R	12480525R	13480525R	M25x1,5	9,0	16,0	33	33	15,0	37,0	25,0	25 (0/+0,2)	7,0	3,5	4
11484532R	12484532R	13484532R	M32x1,5	11,0	15,0	36	36	15,0	42,3	32,0	32 (0/+0,2)	6,0	5,0	3
11484540R	12484540R	13484540R	M40x1,5	16,0	23,0	46	46	18,0	47,4	40,0	40 (0/+0,2)	12,0	5,0	3

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PG Thread = DIN 40430
NPT Thread = ANSI B1.20.1
Tolerence: DIN ISO 2768-m
All dimensions in mm.

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	Date	Name
Draw.	19.10.2026	SL
Appr.	19.10.2026	KH
Norm		
Scale:		1:1

Material: Polyamide

Euro-Top Polyamide M Long Thread + Reducing Sealing Insert

Drawing-Nr.: 1x48x5xxR_SZM_TD_English

1 of 1

A4

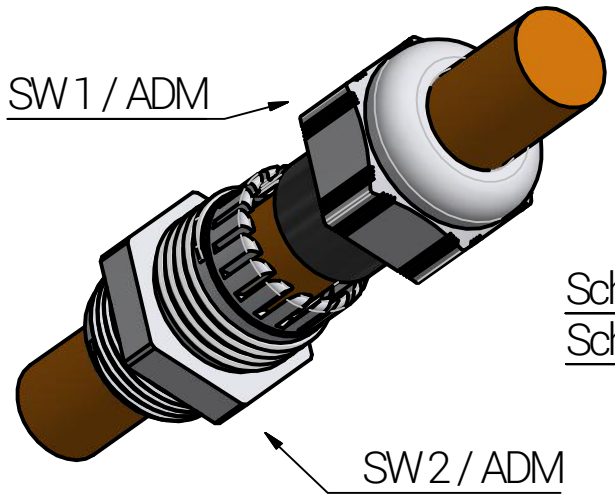
Status	Modification	Date	Name

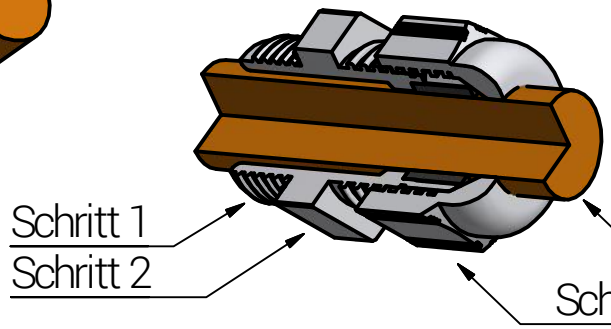
Z:\Inventor\Montageanleitung\Euro-Top-Polyamid\1x48x5xxR_SZM_TD\Euro-Top-01-1-BG-0001-1x48x5xxR_SZM_TD_English.idw

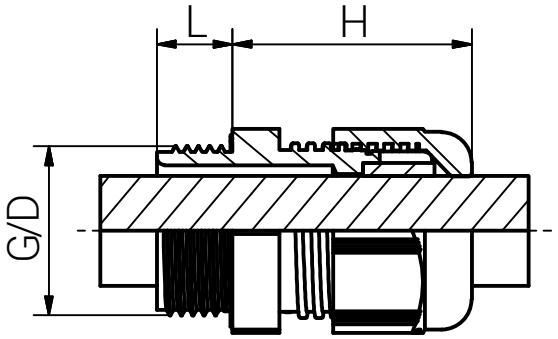
V36

Please note that the above representation is just a dimension illustration.

Montageanleitung







Schritt	Montageschritt (Die Installation sollte nur von einem qualifizierten Elektriker durchgeführt werden, der in der Installation von Kabelverschraubungen geschult ist.)
1	Kabelverschraubung mit dem Anschlussgewinde am Gegenstück (z.B. Elektronikgehäuse) montieren. Zur optimalen Abdichtung empfehlen wir die Verwendung eines Anschlussgewindedichtrings.
2	Stutzen soweit anziehen, dass die Dichtlippe ihre Funktion erfüllt. Als Richtwert gilt der in der Tabelle genannte ADM. Zu festes Anziehen kann zu Beschädigungen führen.
3	Kabel durch die Kabelverschraubungen führen.
4	Hutmutter soweit anziehen, dass der Dichteinsatz seine Funktion erfüllt. Zu festes Anziehen kann zu Beschädigungen führen.

Durchmesser des Montagelochs:
- Gewindebohrung gemäß DIN 40430
- Durchgangsbohrung siehe Tabelle.

Zugentlastung gemäß EN 62444 : 2013 *
- Klemmbereich 2-4 mm = Rückhaltevermögen
- Klemmbereich 3-4 mm nur bei M12 = Rückhaltevermögen
- Rest = Kategorie A

IP-Schutzart ist IP 68 (5 bar / 30 min.) / IP 66.

* Von metrischen Größen übernommen.

Einsatztemperatur: -40°C** bis + 100°C
kurzfristig bis +150°C
** IP-Schutzarten und Zugentlastung nach EN 62444 werden aufrecht erhalten.

Artikel			Gewinde G	Klemmbereich (mm)		SW1 (mm)	SW2 (mm)	L (mm)	H max. (mm)	D (mm)	Durchgangs-bohrung (mm)	Anzugsdrehmoment (Nm) ADM		Kategorie der Schlageinwirkung *
RAL7035	RAL7001	RAL9005		≥	≤							Hutmutter	Stutzen	
11080407	12080407	13080407	PG7	3,0	6,5	15	15	8,0	22,0	12,5	12,7	2,0	1,0	2
11080409	12080409	13080409	PG9	4,0	8,0	19	19	8,0	26,5	15,2	15,4	2,5	1,5	2
11080411	12080411	13080411	PG11	5,0	10,0	22	22	8,0	29,0	18,6	18,8	2,5	2,0	2
11080413	12080413	13080413	PG13,5	6,0	12,0	24	24	10,0	29,0	20,4	20,7	4,0	3,0	2
11080416	12080416	13080416	PG16	10,0	14,0	27	27	10,0	31,0	22,5	22,8	5,5	3,5	2
11080421	12080421	13080421	PG21	13,0	18,0	33	33	11,0	37,0	28,3	28,6	5,5	3,5	4
11080429	12080429	13080429	PG29	18,0	25,0	42	42	11,0	41,0	32,0	37,4	10,0	9,0	4
11080436	12080436	13080436	PG36	22,0	32,0	53	53	13,0	51,5	47,0	47,5	16,0	11,0	4
11080442	12080442	13080442	PG42	30,0	38,0	60	60	13,0	53,5	54,0	54,5	20,0	14,0	4
11080448	12080448	13080448	PG48	34,0	44,0	65	65	14,0	53,5	59,3	59,8	20,0	14,0	4

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Otto-Lilienthal-Strasse 19
49134 Wallenhorst
+49 5407 8766-0
+49 5407 8766-99
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Unless otherwise specified on the drawing:
Metric Thread = EN 60423
PG Thread = DIN 40430
NPT Thread = ANSI B1.20.1
Tolerence: DIN ISO 2768-m
All dimensions in mm.

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					Date	Name
G	ADM - Hutm.: PG 21	29.06.2022	SL	Draw.	11.07.2018	SL
F	Texte angepasst	31.05.2022	SL	Appr.	11.07.2018	KH
E	ADM - Stutzen: PG 7	09.08.2021	SL	Norm		
D	Anzugsdrehmoment	10.05.2021	SL	Scale:		1:1
C	ADM + Text	09.11.2020	SL	Material:		
B	Anzugsdrehmoment	20.03.2019	SL			
A	Einsatztemperatur erg.	17.01.2019	SL			
Status	Modification	Date	Name	Z:\Inventor\Montageanleitung\Euro-Top-Polyamid\1x08x4xx_SZPG_TD\Euro-Top-02-1-BG-0001-1x08x4xx_SZPG_TD_German.idw		

Euro-Top Polyamid PG

Drawing-Nr.:
1x08x4xx_SZPG_TD_German

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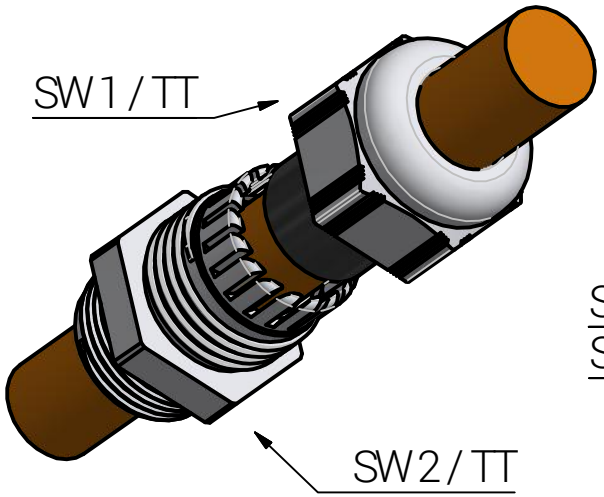
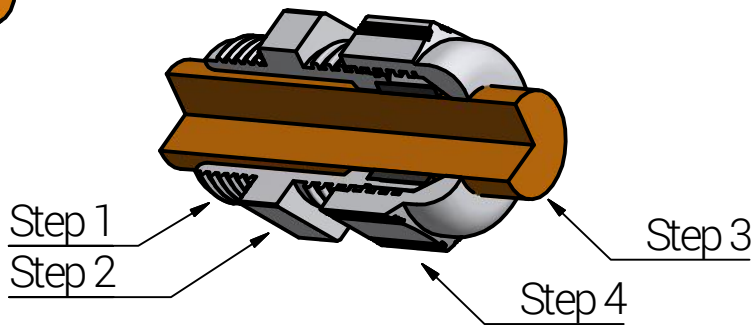
A4

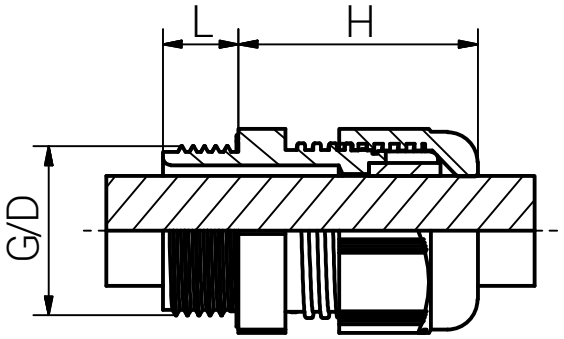
V28

Bitte beachten Sie, dass es sich bei der o.a. Darstellung nur um ein Maßbild handelt.

Mounting Instruction







Step	Assembly Steps (The installation should only be done by a qualified electrician who are trained in the installation of cable glands.)
1	Mount the cable gland with the connection thread on the counterpart (e.g. electronic enclosure). For optimal sealing, we recommend using a connecting thread sealing ring.
2	Tighten the body until the sealing lip fulfills its function. The guiding value is the TT mentioned in the table. Over tightening may cause damage.
3	Pass the cable through the cable gland.
4	Tighten the cap until the seal fulfills its function. Over tightening may cause damage.

Diameter of the mounting hole:
- Threaded hole according to DIN 40430
- Through hole see table.

Type of cable anchorage according to EN62444:2013 *
- Clamping range 2-4mm = cable retention
- Clamping range 3-4mm only at M12 = cable retention
- Balance = Category A

Protection Class: IP 68 (5 bar / 30 min.) / IP 66.

* Adopted by metric sizes.

Operating Temperature: -40°C* to +100°C
intermittent up +150°C
* Protection Class and strain relief acc. to EN62444 are maintained.

Article			Thread G	Clamping Range (mm)		SW1 (mm)	SW2 (mm)	L (mm)	H max. (mm)	D (mm)	Non Threaded Enclosure (mm)	Tightening Torque (Nm) TT		Impact Category *
RAL7035	RAL7001	RAL9005		≥	≤							Cap	Body	
11080407	12080407	13080407	PG7	3,0	6,5	15	15	8,0	22,0	12,5	12,7	2,0	1,0	2
11080409	12080409	13080409	PG9	4,0	8,0	19	19	8,0	26,5	15,2	15,4	2,5	1,5	2
11080411	12080411	13080411	PG11	5,0	10,0	22	22	8,0	29,0	18,6	18,8	2,5	2,0	2
11080413	12080413	13080413	PG13,5	6,0	12,0	24	24	10,0	29,0	20,4	20,7	4,0	3,0	2
11080416	12080416	13080416	PG16	10,0	14,0	27	27	10,0	31,0	22,5	22,8	5,5	3,5	2
11080421	12080421	13080421	PG21	13,0	18,0	33	33	11,0	37,0	28,3	28,6	5,5	3,5	4
11080429	12080429	13080429	PG29	18,0	25,0	42	42	11,0	41,0	32,0	37,4	10,0	9,0	4
11080436	12080436	13080436	PG36	22,0	32,0	53	53	13,0	51,5	47,0	47,5	16,0	11,0	4
11080442	12080442	13080442	PG42	30,0	38,0	60	60	13,0	53,5	54,0	54,5	20,0	14,0	4
11080448	12080448	13080448	PG48	34,0	44,0	65	65	14,0	53,5	59,3	59,8	20,0	14,0	4

RST Rabe-System-Technik und Vertriebs-GmbH
Otto-Lilienthal-Strasse 19
49134 Wallenhorst
+49 5407 8766-0
+49 5407 8766-99
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Unless otherwise specified on the drawing:
Metric Thread = EN 60423
PG Thread = DIN 40430
NPT Thread = ANSI B1.20.1
Tolerence: DIN ISO 2768-m
All dimensions in mm.

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					Date	Name
				Draw.	16.07.2018	SL
F	Text	31.05.2022	SL	Appr.	16.07.2018	KH
E	TT - Body: PG 7	09.08.2021	SL	Norm		
D	Tightening Torque	10.05.2021	SL	Scale:		1:1
C	TT + text	09.11.2020	SL	Material:		
B	Tightening Torque	20.03.2019	SL			
A	Operating Temp. cpl.	17.01.2019	SL			
Status	Modification	Date	Name			

Euro-Top Polyamide PG

Material: Polyamide

Drawing-Nr.: 1x08x4xx_SZPG_TD_English

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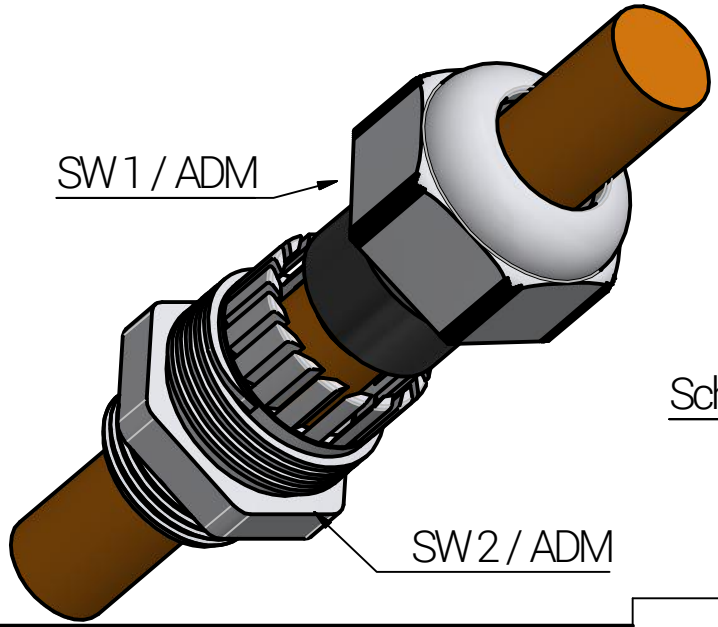
A4

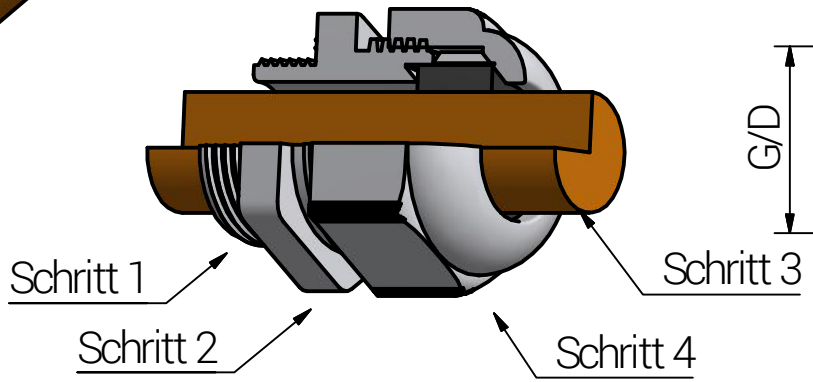
Z:\Inventor\Montageanleitung\Euro-Top-Polyamid\1x08x4xx_SZPG_TD\Euro-Top-02-1-BG-0001-1x08x4xx_SZPG_TD_English.idw

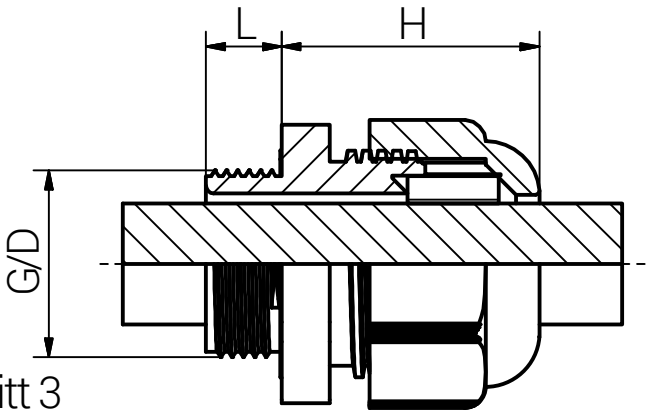
V18

Please note that the above representation is just a dimension illustration.

Montageanleitung







Schritt	Montageschritt (Die Installation sollte nur von einem qualifizierten Elektriker durchgeführt werden, der in der Installation von Kabelverschraubungen geschult ist.)
1	Kabelverschraubung mit dem Anschlussgewinde am Gegenstück (z.B. Elektronikgehäuse) montieren. Zur optimalen Abdichtung empfehlen wir die Verwendung eines Anschlussgewindedichtrings.
2	Stutzen soweit anziehen, dass die Dichtlippe ihre Funktion erfüllt. Als Richtwert gilt der in der Tabelle genannte ADM. Zu festes Anziehen kann zu Beschädigungen führen.
3	Kabel durch die Kabelverschraubungen führen.
4	Hutmutter soweit anziehen, dass der Dichteinsatz seine Funktion erfüllt. Zu festes Anziehen kann zu Beschädigungen führen.

Durchmesser des Montagelochs:
- Gewindebohrung gemäß DIN 40430
- Durchgangsbohrung siehe Tabelle.

Zugentlastung gemäß EN 62444 : 2013 *
- Klemmbereich 2-4 mm = Rückhaltevermögen
- Klemmbereich 3-4 mm nur bei M12 = Rückhaltevermögen
- Rest = Kategorie A

IP-Schutzart ist IP 68 (5 bar / 30 min.) / IP 66.

* Von metrischen Größen übernommen.

Einsatztemperatur: -40°C** bis + 100°C
kurzfristig bis +150°C
** IP-Schutzarten und Zugentlastung nach EN 62444 werden aufrecht erhalten.

Artikel			Gewinde G	Klemmbereich (mm)		SW1 (mm)	SW2 (mm)	L (mm)	H max. (mm)	D (mm)	Durchgangs-bohrung (mm)	Anzugsdrehmoment (Nm) ADM		Kategorie der Schlageinwirkung *
RAL7035	RAL7001	RAL9005		≥	≤							Hutmutter	Stutzen	
11180407	12180407	13180407	PG7	2,0	5,0	15	15	8,0	22,0	12,5	12,7	2,0	1,0	2
11180409	12180409	13180409	PG9	2,0	6,0	19	19	8,0	26,5	15,2	15,4	2,0	1,5	2
11180411	12180411	13180411	PG11	3,0	7,0	22	22	8,0	29,0	18,6	18,8	3,0	2,0	2
11180413	12180413	13180413	PG13,5	5,0	9,0	24	24	10,0	29,0	20,4	20,7	5,0	3,0	2
11180416	12180416	13180416	PG16	7,0	12,0	27	27	10,0	31,0	22,5	22,8	5,5	3,5	2
11180421	12180421	13180421	PG21	9,0	16,0	33	33	11,0	37,0	28,3	28,6	7,0	3,5	4
11180429	12180429	13180429	PG29	12,0	20,0	42	42	11,0	41,0	32,0	37,4	12,0	9,0	4
11180436	12180436	13180436	PG36	20,0	26,0	53	53	13,0	51,5	47,0	47,5	15,0	11,0	4
11180442	12180442	13180442	PG42	25,0	31,0	60	60	13,0	53,5	54,0	54,5	18,0	14,0	4
11180448	12180448	13180448	PG48	29,0	35,0	65	65	14,0	53,5	59,3	59,8	21,0	14,0	4

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+49 5407 8766-0
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Unless otherwise specified on the drawing:
Metric Thread = EN 60423
PG Thread = DIN 40430
NPT Thread = ANSI B1.20.1
Tolerence: DIN ISO 2768-m
All dimensions in mm.

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					Date	Name
				Draw.	10.05.2021	SL
				Appr.	10.05.2021	KH
				Norm		
				Scale:		1:1
				Material:		
B	Texte angepasst	31.05.2022	SL			
A	ADM - Stutzen: PG 7	09.08.2021	SL			
Status	Modification	Date	Name			

Euro-Top Polyamid PG mit Reduzierdichteinsatz

Drawing-Nr.: 1x1804xx_SZPG_TD_German

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A4

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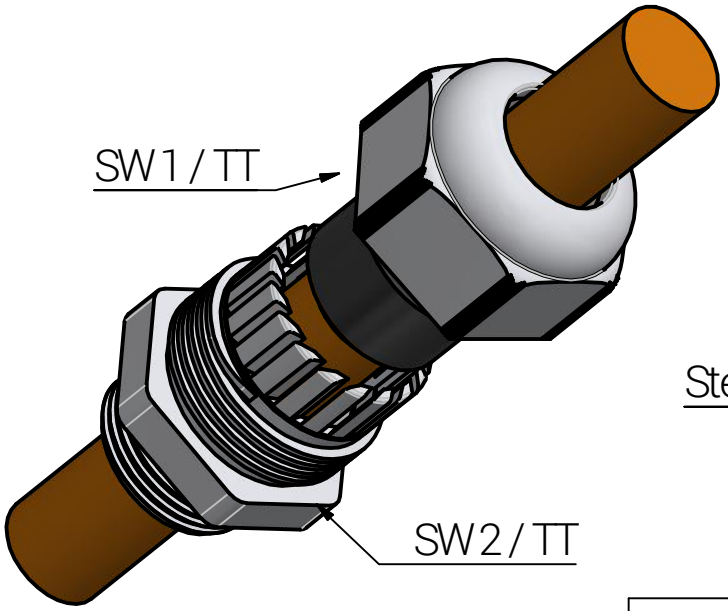
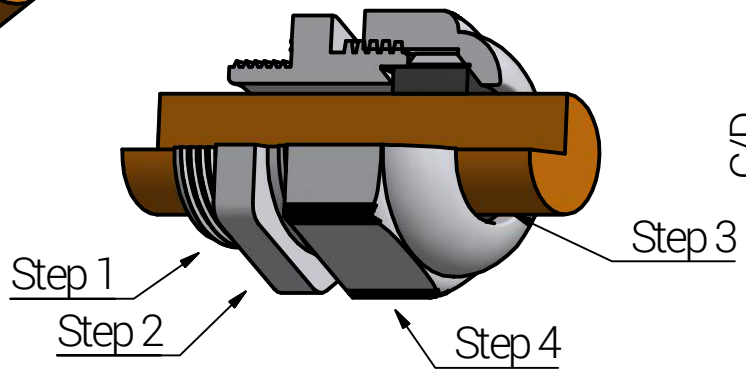
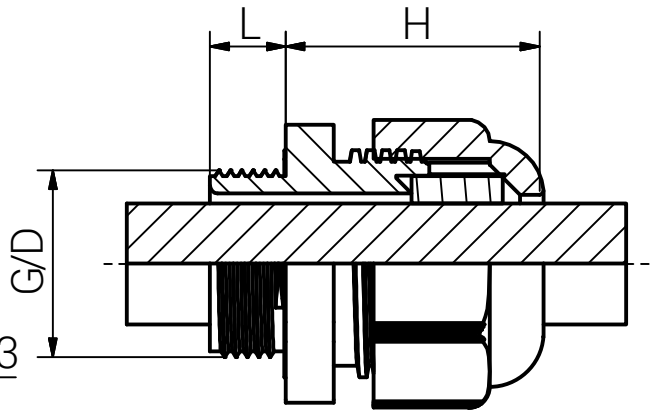
V33

Bitte beachten Sie, dass es sich bei der o.a. Darstellung nur um ein Maßbild handelt.

Mounting Instruction







Step	Assembly Steps (The installation should only be done by a qualified electrician who are trained in the installation of cable glands.)
1	Mount the cable gland with the connection thread on the counterpart (e.g. electronic enclosure). For optimal sealing, we recommend using a connecting thread sealing ring.
2	Tighten the body until the sealing lip fulfills its function. The guiding value is the TT mentioned in the table. Over tightening may cause damage.
3	Pass the cable through the cable gland.
4	Tighten the cap until the seal fulfills its function. Over tightening may cause damage.

Diameter of the mounting hole:
- Threaded hole according to DIN 40430
- Through hole see table.

Type of cable anchorage according to EN62444:2013*
- Clamping range 2-4mm = cable retention
- Clamping range 3-4mm only at M12 = cable retention
- Balance = Category A

Protection Class: IP 68 (5 bar / 30 min.) / IP 66.

* Adopted by metric sizes.

Operating Temperature: -40°C* to +100°C
intermittent up +150°C
* Protection Class and strain relief acc. to EN62444 are maintained.

Article			Thread G	Clamping Range (mm)		SW1 (mm)	SW2 (mm)	L (mm)	H max. (mm)	D (mm)	Non Threaded Enclosure (mm)	Tightening Torque (Nm) TT		Impact Category *
RAL7035	RAL7001	RAL9005		≥	≤							Cap	Body	
11180407	12180407	13180407	PG7	2,0	5,0	15	15	8,0	22,0	12,5	12,7	2,0	1,0	2
11180409	12180409	13180409	PG9	2,0	6,0	19	19	8,0	26,5	15,2	15,4	2,0	1,5	2
11180411	12180411	13180411	PG11	3,0	7,0	22	22	8,0	29,0	18,6	18,8	3,0	2,0	2
11180413	12180413	13180413	PG13,5	5,0	9,0	24	24	10,0	29,0	20,4	20,7	5,0	3,0	2
11180416	12180416	13180416	PG16	7,0	12,0	27	27	10,0	31,0	22,5	22,8	5,5	3,5	2
11180421	12180421	13180421	PG21	9,0	16,0	33	33	11,0	37,0	28,3	28,6	7,0	3,5	4
11180429	12180429	13180429	PG29	12,0	20,0	42	42	11,0	41,0	32,0	37,4	12,0	9,0	4
11180436	12180436	13180436	PG36	20,0	26,0	53	53	13,0	51,5	47,0	47,5	15,0	11,0	4
11180442	12180442	13180442	PG42	25,0	31,0	60	60	13,0	53,5	54,0	54,5	18,0	14,0	4
11180448	12180448	13180448	PG48	29,0	35,0	65	65	14,0	53,5	59,3	59,8	21,0	14,0	4

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PG Thread = DIN 40430
NPT Thread = ANSI B1.20.1
Tolerence: DIN ISO 2768-m
All dimensions in mm.

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		Date	Name
Draw.		09.05.2021	SL
Appr.		09.05.2021	KH
Norm			
Scale:			1:1
Material:	Polyamide		

Euro-Top Polyamide PG with Reducing Sealing

Drawing-Nr.: 1x1804xx_SZPG_TD_English

1 of 1

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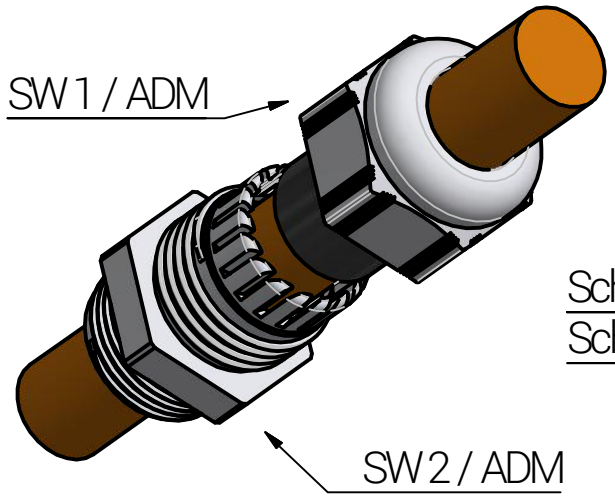
Status	Modification	Date	Name
B	Text	31.05.2022	SL
A	TT - Body: PG 7	09.08.2021	SL

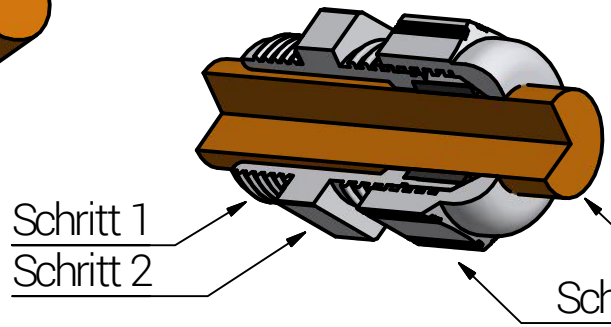
Z:\Inventor\Montageanleitung\Euro-Top-Polyamid\1x1804xx_SZPG_TD\Euro-Top-02-1-BG-0001-1x1804xx_SZPG_TD_English.idw

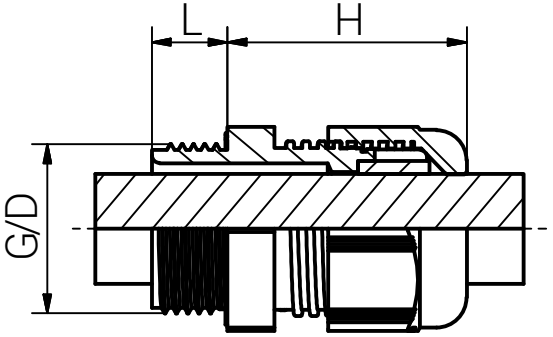
V19

Please note that the above representation is just a dimension illustration.

Montageanleitung







Schritt	Montageschritt (Die Installation sollte nur von einem qualifizierten Elektriker durchgeführt werden, der in der Installation von Kabelverschraubungen geschult ist.)
1	Kabelverschraubung mit dem Anschlussgewinde am Gegenstück (z.B. Elektronikgehäuse) montieren.
2	Stutzen mit in der Tabelle angegebenen ADM anziehen. Zu festes Anziehen kann zu Beschädigungen führen.
3	Kabel durch die Kabelverschraubungen führen.
4	Hutmutter soweit anziehen, dass der Dichteinsatz seine Funktion erfüllt. Zu festes Anziehen kann zu Beschädigungen führen.

Durchmesser des Montagelochs:
- Gewindebohrung gemäß ANSI B1.20.1

Zugentlastung gemäß EN 62444 : 2013 *
- Klemmbereich 2-4 mm = Rückhaltevermögen
- Klemmbereich 3-4 mm nur bei M12 = Rückhaltevermögen
- Rest = Kategorie A

IP-Schutzart ist IP 66.

* Von metrischen Größen übernommen.

Einsatztemperatur: -40°C* bis + 100°C
kurzfristig bis +150°C
* IP-Schutzarten und Zugentlastung nach EN 62444 werden aufrecht erhalten.

Artikel			Gewinde G	Klemmbereich (mm)		SW1 (mm)	SW2 (mm)	L (mm)	H max. (mm)	D (mm)	Durchgangs-bohrung (mm)	Anzugsdreh-moment (Nm) ADM		Kategorie der Schlageinwirkung *
RAL7035	RAL7001	RAL9005		≥	≤							Hutmutter	Stutzen	
11080038	12080038	13080038	NPT3/8"	5,0	10,0	22	22	15,0	29,0	17,14	–	2,5	1,0	2
11080012	12080012	13080012	NPT1/2"	6,0	12,0	24	24	15,0	29,0	21,34	–	5,0	2,0	2
11085012	12085012	13085012	NPT1/2"	10,0	14,0	27	27	15,0	31,0	21,34	–	5,0	2,0	2
11085034	12085034	13085034	NPT3/4"	13,0	18,0	33	33	15,0	37,0	26,67	–	9,0	3,0	4
11080100	12080100	13080100	NPT 1"	18,0	25,0	42	42	18,0	41,0	33,40	–	9,5	4,0	4

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49134 Wallenhorst
+49 5407 8766-0
+49 5407 8766-99
info@rst.eu

Unless otherwise specified on the drawing:
Metric Thread = EN 60423
PG Thread = DIN 40430
NPT Thread = ANSI B1.20.1
Tolerence: DIN ISO 2768-m
All dimensions in mm.

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					Date	Name
				Draw.	10.07.2018	SL
				Appr.	10.07.2018	KH
				Norm		
				Scale:		1:1
C	ADM + Text	09.11.2020	SL			
B	Anzugsdrehmoment	20.03.2019	SL			
A	Einsatztempertur erg.	17.01.2019	SL			
Status	Modification	Date	Name			

Material: Polyamid

Euro-Top Polyamid NPT

Drawing-Nr.: 1x08xxxx_SZNPT_TD_German

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A4

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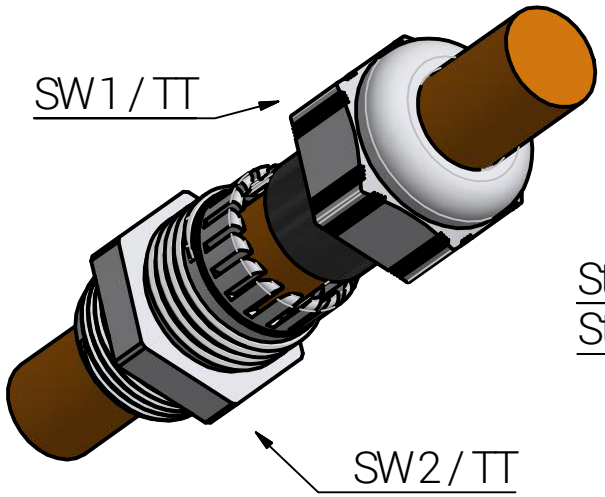
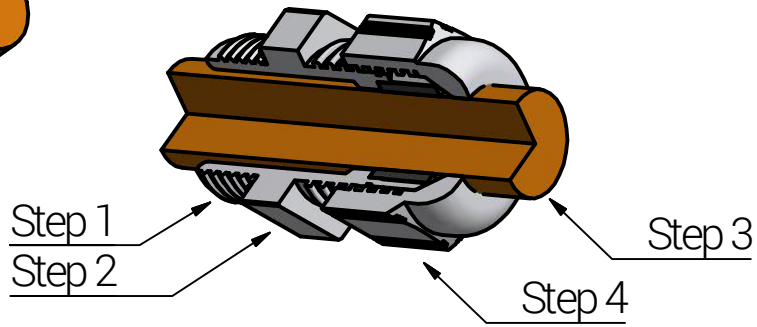
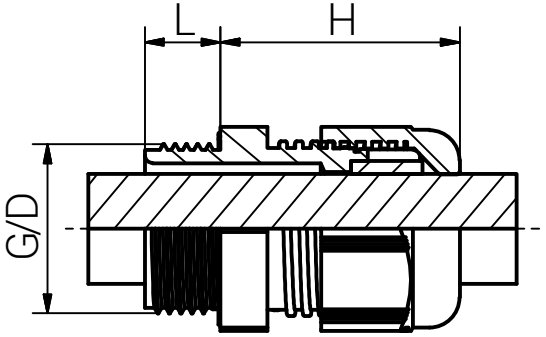
V20

Bitte beachten Sie, dass es sich bei der o.a. Darstellung nur um ein Maßbild handelt.

Mounting Instruction







Step	Assembly Steps (The installation should only be done by a qualified electrician who are trained in the installation of cable glands.)
1	Mount the cable gland with the connection thread on the counterpart (e.g. electronic enclosure).
2	Tighten the body rel. to the TT mentioned in the table. Over tightening may cause damage.
3	Pass the cable through the cable gland.
4	Tighten the cap until the seal fulfills its function. Over tightening may cause damage.

Diameter of the mounting hole:
- Threaded hole according to ANSI B1.20.1

Type of cable anchorage according to EN62444:2013*
- Clamping range 2-4mm = cable retention
- Clamping range 3-4mm only at M12 = cable retention
- Balance = Category A

Protection Class: IP 66.

* Adopted by metric sizes.

Operating Temperature: -40°C* to +100°C
intermittent up +150°C
* Protection Class and strain relief acc. to EN62444 are maintained.

Article			Thread G	Clamping Range (mm)		SW1 (mm)	SW2 (mm)	L (mm)	H max. (mm)	D (mm)	Non Threaded Enclosure (mm)	Tightening Torque (Nm) TT		Impact Category *
RAL7035	RAL7001	RAL9005		≥	≤							Cap	Body	
11080038	12080038	13080038	NPT3/8"	5,0	10,0	22	22	15,0	29,0	17,14	–	2,5	1,0	2
11080012	12080012	13080012	NPT1/2"	6,0	12,0	24	24	15,0	29,0	21,34	–	5,0	2,0	2
11085012	12085012	13085012	NPT1/2"	10,0	14,0	27	27	15,0	31,0	21,34	–	5,0	2,0	2
11085034	12085034	13085034	NPT3/4"	13,0	18,0	33	33	15,0	37,0	26,67	–	9,0	3,0	4
11080100	12080100	13080100	NPT 1"	18,0	25,0	42	42	18,0	41,0	33,40	–	9,5	4,0	4

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Otto-Lilienthal-Strasse 19
49134 Wallenhorst
+49 5407 8766-0
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info@rst.eu

Unless otherwise specified on the drawing:
Metric Thread = EN 60423
PG Thread = DIN 40430
NPT Thread = ANSI B1.20.1
Tolerence: DIN ISO 2768-m
All dimensions in mm.

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					Date	Name
				Draw.	16.07.2018	SL
				Appr.	16.07.2018	KH
				Norm		
				Scale:		1:1

Status	Modification	Date	Name
C	TT + text	09.11.2020	SL
B	Tightening Torque	20.03.2019	SL
A	Operating Temp. cpl.	17.01.2019	SL

Euro-Top Polyamide NPT

Material: Polyamide

Drawing-Nr.: 1x08xxxx_SZNPT_TD_English

1 of 1

A4

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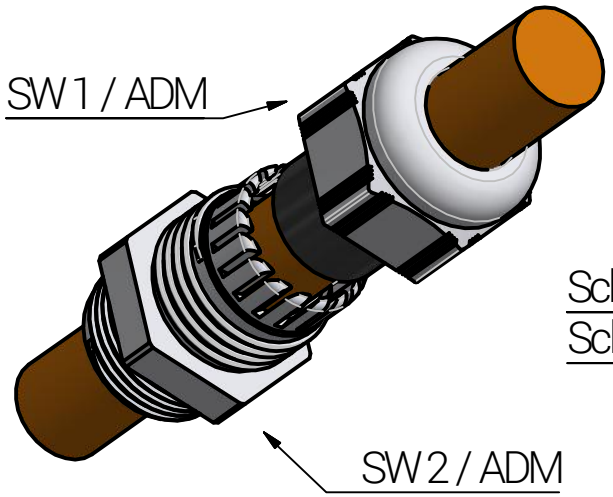
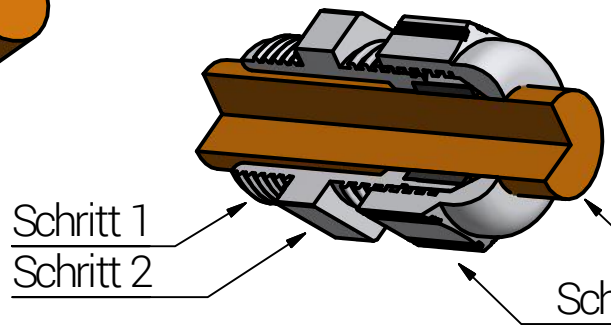
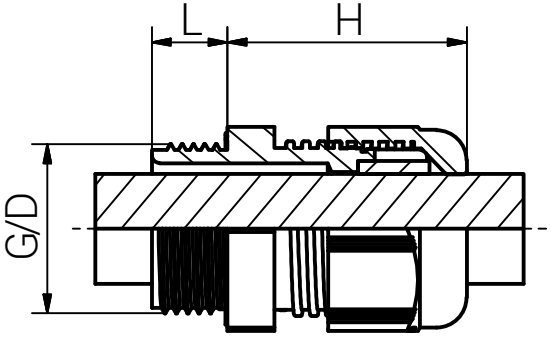
V11

Please note that the above representation is just a dimension illustration.

Montageanleitung







Schritt	Montageschritt (Die Installation sollte nur von einem qualifizierten Elektriker durchgeführt werden, der in der Installation von Kabelverschraubungen geschult ist.)
1	Kabelverschraubung mit dem Anschlussgewinde am Gegenstück (z.B. Elektronikgehäuse) montieren.
2	Stutzen mit in der Tabelle angegebenen ADM anziehen. Zu festes Anziehen kann zu Beschädigungen führen.
3	Kabel durch die Kabelverschraubungen führen.
4	Hutmutter soweit anziehen, dass der Dichteinsatz seine Funktion erfüllt. Zu festes Anziehen kann zu Beschädigungen führen.

Durchmesser des Montagelochs:
- Gewindebohrung gemäß ANSI B1.20.1

Zugentlastung gemäß EN 62444 : 2013 *
- Klemmbereich 2-4 mm = Rückhaltevermögen
- Klemmbereich 3-4 mm nur bei M12 = Rückhaltevermögen
- Rest = Kategorie A

IP-Schutzart ist IP 66.

* Von metrischen Größen übernommen.

Einsatztemperatur: -40°C* bis + 100°C
kurzfristig bis +150°C
* IP-Schutzarten und Zugentlastung nach EN 62444 werden aufrecht erhalten.

Artikel			Gewinde G	Klemmbereich (mm)		SW1 (mm)	SW2 (mm)	L (mm)	H max. (mm)	D (mm)	Durchgangs-bohrung (mm)	Anzugsdrehmoment (Nm) ADM		Kategorie der Schlageinwirkung *
RAL7035	RAL7001	RAL9005		≥	≤							Hutmutter	Stutzen	
11180038	12180038	13180038	NPT3/8"	3,0	7,0	22	22	15,0	29,0	17,14	–	3,0	1,0	2
11180012	12180012	13180012	NPT1/2"	5,0	9,0	24	24	15,0	29,0	21,34	–	5,0	2,0	2
11185012	12185012	13185012	NPT1/2"	7,0	12,0	27	27	15,0	31,0	21,34	–	5,5	2,0	2
11185034	12185034	13185034	NPT3/4"	9,0	16,0	33	33	15,0	37,0	26,67	–	7,0	3,0	4
11180100	12180100	13180100	NPT 1"	12,0	20,0	42	42	18,0	41,0	33,40	–	12,0	4,0	4

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NPT Thread = ANSI B1.20.1
Tolerence: DIN ISO 2768-m
All dimensions in mm.

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	Date	Name
Draw.	09.05.2021	SL
Appr.	09.05.2021	KH
Norm		
Scale:		1:1
Material:		

Euro-Top Polyamid NPT mit Reduzierdichteinsatz

Drawing-Nr.: 1x18xxxx_SZNPT_TD_German

1 of 1

A4

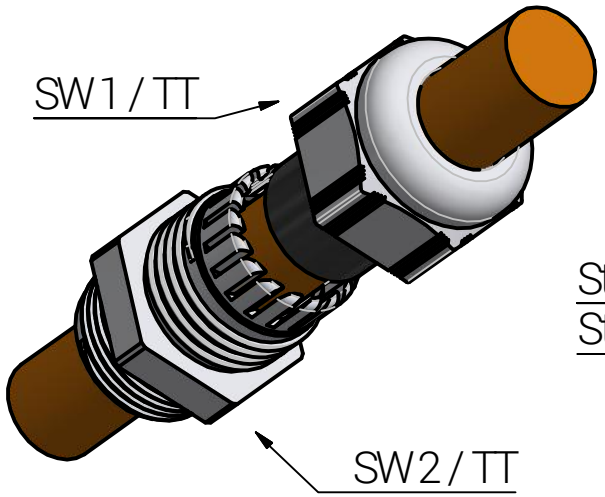
Status	Modification	Date	Name

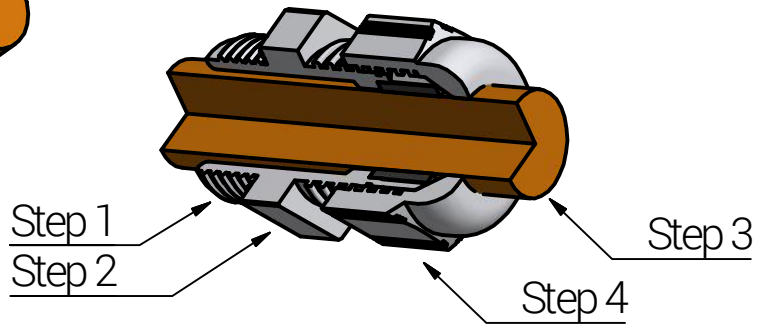
Z:\Inventor\Montageanleitung\Euro-Top-Polyamid\1x18xxxx_SZNPT_TD\Euro-Top-03-1-BG-0001-1x18xxxx_SZNPT_TD_German.idw

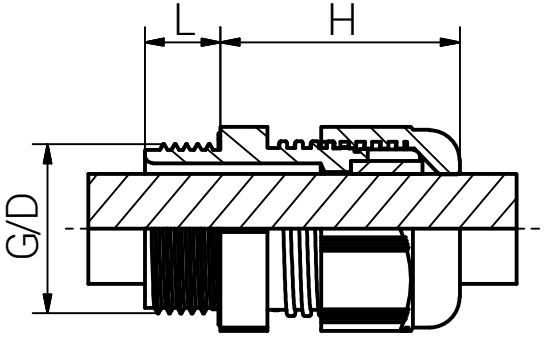
V23

Bitte beachten Sie, dass es sich bei der o.a. Darstellung nur um ein Maßbild handelt.

Mounting Instruction







Step	Assembly Steps (The installation should only be done by a qualified electrician who are trained in the installation of cable glands.)
1	Mount the cable gland with the connection thread on the counterpart (e.g. electronic enclosure).
2	Tighten the body relating to the TT mentioned in the table. Over tightening may cause damage.
3	Pass the cable through the cable gland.
4	Tighten the cap until the seal fulfills its function. Over tightening may cause damage.

Diameter of the mounting hole:
- Threaded hole according to ANSI B1.20.1

Type of cable anchorage according to EN62444:2013 *
- Clamping range 2-4mm = cable retention
- Clamping range 3-4mm only at M12 = cable retention
- Balance = Category A

Protection Class: IP 66.

* Adopted by metric sizes.

Operating Temperature: -40°C* to +100°C
intermittent up +150°C
* Protection Class and strain relief acc. to EN62444 are maintained.

Article			Thread G	Clamping Range (mm)		SW1 (mm)	SW2 (mm)	L (mm)	H max. (mm)	D (mm)	Non Threaded Enclosure (mm)	Tightening Torque (Nm) TT		Impact Category *
RAL7035	RAL7001	RAL9005		≥	≤							Cap	Body	
11180038	12180038	13180038	NPT3/8"	3,0	7,0	22	22	15,0	29,0	17,14	–	3,0	1,0	2
11180012	12180012	13180012	NPT1/2"	5,0	9,0	24	24	15,0	29,0	21,34	–	5,0	2,0	2
11185012	12185012	13185012	NPT1/2"	7,0	12,0	27	27	15,0	31,0	21,34	–	5,5	2,0	2
11185034	12185034	13185034	NPT3/4"	9,0	16,0	33	33	15,0	37,0	26,67	–	7,0	3,0	4
11180100	12180100	13180100	NPT 1"	12,0	20,0	42	42	18,0	41,0	33,40	–	12,0	4,0	4

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Tolerence: DIN ISO 2768-m
All dimensions in mm.

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	Date	Name
Draw.	09.05.2021	SL
Appr.	09.05.2021	KH
Norm		
Scale:		1:1

Material: Polyamide

Euro-Top Polyamide NPT with Reducing Sealing

Drawing-Nr.: 1x18xxxx_SZNPT_TD_English

1 of 1

A4

Status	Modification	Date	Name	Z:\Inventor\Montageanleitung\Euro-Top-Polyamid\1x18xxxx_SZNPT_TD\Euro-Top-03-1-BG-0001-1x18xxxx_SZNPT_TD_English.idw	V17

Please note that the above representation is just a dimension illustration.