

**EXLB + EXLH + EXLT**

Material: Stahl, verzinkt  
Kerndichtung: Baumwollfaden  
Mantel: EXLB: Spezial PVC  
EXLH: Thermoplast  
EXLT: Thermoplast  
Farbe: schwarz  
Einsatztemperatur: statisch/flexibel  
siehe Tabelle  
Schutzart: IP 67

Material: Steel galvanized  
Core packing: Cotton  
Covering: EXLB: special PVC  
EXLH: Thermoplast  
EXLT: Thermoplast  
Colour: black  
Temperature range: static/flexing  
see list  
Protection type: IP 67

**440.EX**  
**441.EX**  
**442.EX**

Nenngröße Trade size	Innen-/Außen-Ø Inside/outside dia. mm	Rollenlänge Coil length m	EXLB -25°C/+105°C -5°C/+105°C	EXLH -50°C/+130°C -5°C/+130°C	EXLT -25°C/+90°C -5°C/+90°C
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M16 / 3/8"	12,5 x 17,8	30 / 10	<b>440.12xx.EX</b>	<b>441.12xx.EX</b>	<b>442.12xx.EX</b>
M20 / 1/2"	16,0 x 21,1	30 / 10	<b>440.16xx.EX</b>	<b>441.16xx.EX</b>	<b>442.16xx.EX</b>
M25 / 3/4"	21,0 x 26,4	30 / 10	<b>440.21xx.EX</b>	<b>441.21xx.EX</b>	<b>442.21xx.EX</b>
M32 / 1"	26,0 x 33,1	20 / 10	<b>440.26xx.EX</b>	<b>441.26xx.EX</b>	<b>442.26xx.EX</b>
M40 / 1 1/4"	34,8 x 41,8	20 / 10	<b>440.35xx.EX</b>	<b>441.35xx.EX</b>	<b>442.35xx.EX</b>
M50 / 1 1/2"	40,4 x 47,7	20 / 10	<b>440.40xx.EX</b>	<b>441.40xx.EX</b>	<b>442.40xx.EX</b>
M63 / 2"	51,6 x 60,0	20 / 10	<b>440.51xx.EX</b>	<b>441.51xx.EX</b>	<b>442.51xx.EX</b>

Weitere Liefermöglichkeiten:	Further availabilities:
- Baureihe EXLH in blau - 441.EB	- Type EXLH in blue - 441.EB
- Bestellnummern sind mit den Rollenlängen zu ergänzen zum Beispiel 440.1230.EX	- Reference numbers have to be completed with the coil length for example 440.1230.EX



**EXSB + EXSH + EXST**

Material: Edelstahl (1.4404)  
Kerndichtung: Baumwollfaden  
Mantel: EXSB: Spezial PVC  
EXSH: Thermoplast  
EXST: Thermoplast  
Farbe: schwarz  
Einsatztemperatur: statisch/flexibel  
siehe Tabelle  
Schutzart: IP 67

Material: Stainless Steel (1.4404)  
Core packing: Cotton  
Covering: EXSB: special PVC  
EXSH: Thermoplast  
EXST: Thermoplast  
Colour: black  
Temperature range: static/flexing  
see list  
Protection type: IP 67

**440.SX**  
**441.SX**  
**442.SX**

Nenngröße Trade size	Innen-/Außen-Ø Inside/outside dia. mm	Rollenlänge Coil length m	EXSB -25°C/+105°C -5°C/+105°C	EXSH -50°C/+130°C -5°C/+130°C	EXST -25°C/+90°C -5°C/+90°C
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M16 / 3/8"	12,5 x 17,8	30 / 10	<b>440.12xx.SX</b>	<b>441.12xx.SX</b>	<b>442.12xx.SX</b>
M20 / 1/2"	16,0 x 21,1	30 / 10	<b>440.16xx.SX</b>	<b>441.16xx.SX</b>	<b>442.16xx.SX</b>
M25 / 3/4"	21,0 x 26,4	30 / 10	<b>440.21xx.SX</b>	<b>441.21xx.SX</b>	<b>442.21xx.SX</b>
M32 / 1"	26,0 x 33,1	20 / 10	<b>440.26xx.SX</b>	<b>441.26xx.SX</b>	<b>442.26xx.SX</b>
M40 / 1 1/4"	34,8 x 41,8	20 / 10	<b>440.35xx.SX</b>	<b>441.35xx.SX</b>	<b>442.35xx.SX</b>
M50 / 1 1/2"	40,4 x 47,7	20 / 10	<b>440.40xx.SX</b>	<b>441.40xx.SX</b>	<b>442.40xx.SX</b>
M63 / 2"	51,6 x 60,0	20 / 10	<b>440.51xx.SX</b>	<b>441.51xx.SX</b>	<b>442.51xx.SX</b>

- Bestellnummern sind mit den Rollenlängen zu ergänzen zum Beispiel 440.1230.SX	- Reference numbers have to be completed with the coil length for example 440.1230.SX
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Technische Daten, Eigenschaften und Zulassungen dieser Schutzschläuche sind anzufordern.	Technical details, characteristics and approvals of all protection conduits on request.
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<b>Ex-Anwendungen (Ex d IIC + Ex e II):</b> Zur ATEX-gerechten Installation sind Verschraubungen der Baureihe HA 262.G1/262.G1S zu verwenden.	<b>Ex-Applications (Ex d IIC + Ex e II):</b> Connectors of series HA 262.G1/262.G1S must be used for installations according to regulations of ATEX.
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## HA

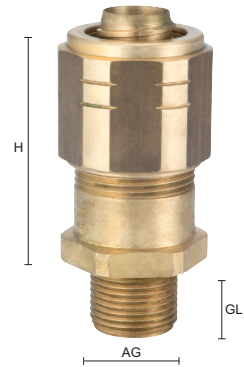
Material: Messing blank  
 Abdichtung: PA-Ring und Epoxidharz  
 Einsatztemperatur: -60 °C bis 130 °C  
 (schlauchabhängig)  
 Schutzart: IP 66  
 Zertifikate: Sira 09 ATEX 1231  
 IECEx Sira 09.0103

Material: brass  
 Sealing: PA (Nylon) ring and epoxy resin  
 Temperature range: -60 °C to 130 °C  
 (depending on conduit type)  
 Protection type: IP 66  
 Certificates: Sira 09 ATEX 1231  
 IECEx Sira 09.0103

**262.G1**


**II 2GD**  
 Ex d e IIC Gb  
 Ex tb IIIC IP 66 Db

Gewinde Entry Thread AG	 mm	H mm	GL mm	für Schlauch for conduit	K-Nummer K-Reference	HUGRO No.
M 20 x1,5	30/28,6	50	15	M 16 / 3/8"	HAM0304.G1	<b>262.2038.G1</b>
M 20 x1,5	30/28,6	50	15	M 20 / 1/2"	HAM0404.G1	<b>262.2012.G1</b>
M 25 x1,5	34	50	15	M 25 / 3/4"	HAM0505.G1	<b>262.2534.G1</b>
M 32 x1,5	42	50	15	M 32 / 1"	HAM0606.G1	<b>262.3285.G1</b>
M 40 x1,5	52/50	57	15	M 40 / 1 1/4"	HAM0707.G1	<b>262.4087.G1</b>
M 50 x1,5	60	58	15	M 50 / 1 1/2"	HAM0808.G1	<b>262.5089.G1</b>
M 63 x1,5	70	70	15	M 63 / 2"	HAM0909.G1	<b>262.6391.G1</b>
1/2" NPT	32/28,6	50	20,2	M 16 / 3/8"	HAA0304.G1	<b>262.1238.G1</b>
1/2" NPT	32/28,6	50	20,2	M 20 / 1/2"	HAA0404.G1	<b>262.1212.G1</b>
3/4" NPT	34	50	20,2	M 25 / 3/4"	HAA0505.G1	<b>262.3434.G1</b>
1" NPT	42	50	25	M 32 / 1"	HAA0606.G1	<b>262.8585.G1</b>
1 1/4" NPT	52/50	57	25,6	M 40 / 1 1/4"	HAA0707.G1	<b>262.8787.G1</b>
1 1/2" NPT	60	58	26	M 50 / 1 1/2"	HAA0808.G1	<b>262.8989.G1</b>
2" NPT	70	70	26,9	M 63 / 2"	HAA0909.G1	<b>262.9191.G1</b>



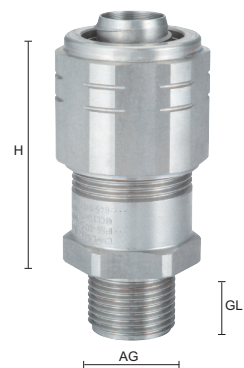
dgl., jedoch aus Edelstahl (1.4404)

ditto but made of stainless steel (1.4404)

Gewinde Entry Thread AG	 mm	H mm	GL mm	für Schlauch for conduit	K-Nummer K-Reference	HUGRO No.
M 20 x1,5	32/28,6	50	15	M 20 / 1/2"	HAMS0404.G1	<b>262.2012.G1S</b>
M 25 x1,5	34	50	15	M 25 / 3/4"	HAMS0505.G1	<b>262.2534.G1S</b>
M 32 x1,5	42	50	15	M 32 / 1"	HAMS0606.G1	<b>262.3285.G1S</b>
M 40 x1,5	50/52	57	15	M 40 / 1 1/4"	HAMS0707.G1	<b>262.4087.G1S</b>
M 50 x1,5	60	58	15	M 50 / 1 1/2"	HAMS0808.G1	<b>262.5089.G1S</b>
M 63 x1,5	70	70	15	M 63 / 2"	HAMS0909.G1	<b>262.6391.G1S</b>
1/2" NPT	32/28,6	50	20,2	M 20 / 1/2"	HAAS0404.G1	<b>262.1212.G1S</b>
3/4" NPT	34	50	20,2	M 25 / 3/4"	HAAS0505.G1	<b>262.3434.G1S</b>
1" NPT	42	50	25	M 32 / 1"	HAAS0606.G1	<b>262.8585.G1S</b>
1 1/4" NPT	50/52	57	25,6	M 40 / 1 1/4"	HAAS0707.G1	<b>262.8787.G1S</b>
1 1/2" NPT	60	58	26	M 50 / 1 1/2"	HAAS0808.G1	<b>262.8989.G1S</b>
2" NPT	70	70	26,9	M 63 / 2"	HAAS0909.G1	<b>262.9191.G1S</b>

**262.G1S**

**II 2GD**  
 Ex d e IIC Gb  
 Ex tb IIIC IP 66 Db



**Anwendungen:**

Exd IIC und Exe II  
 Zone 1 (Gas) und Zone 21 (Staub)

**Applications:**

Exd IIC and Exe II  
 Zone 1 (gas) and zone 21 (dust)

Passende Schutzschläuche "Liquid Tight"  
 siehe Seite 156

Please refer to the page 156 for  
 suitable liquid tight metallic conduits.