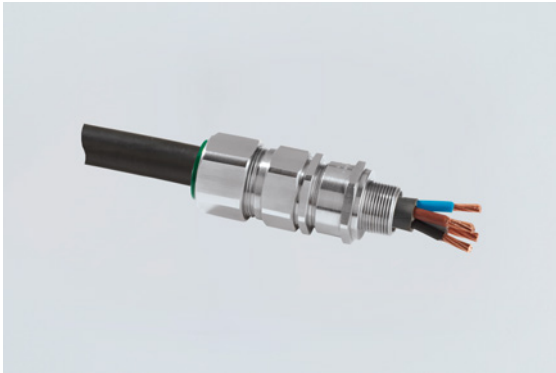


# Cable glands Ex e & Ex d & Ex nR & Ex ta

Series E1FU for all types of armoring without lead sheath

STAHL

E10



- Ex d and Ex e cable gland for all armoured cables: SWA, wire-braid and tape made of steel or aluminium
- Explosion-protected displacement seal for the outer cable sheath, controlled outer load retention seal
- Internationally certified in accordance with IECEx, ATEX and cCSAus, EMC-tested

## MY R. STAHL E1FUA



The Series E1FU metal Ex d and Ex e cable glands are suitable for all types of armoured cables, i.e. for SWA, wire-braid and tape armoring made of steel and aluminium. They have a multifunctional holder for the armoring and various seals. They are also designed to prevent cold flow and are EMC-tested.

	IECEx / ATEX					
Zone	0	1	2	20	21	22
Installation in		•	•	•	•	•

Selection Table										
Thread standard		metric								
Gland size	Thread size	Inner sheath	Outer sheath	Width across flats	Protrusion length	Grooved cone	Stepped cone	PVC boot	Art. No.	Weight
20	M20	6.5 ... 13.9 mm	12.5 ... 20.9 mm	30.5 mm	73 mm	0.4 ... 1 mm	0.8 ... 1.25 mm	PVC06	243484	210 g
20s	M20	6.1 ... 11.6 mm	9.5 ... 15.9 mm	24 mm	70 mm	0.3 ... 1 mm	0.8 ... 1.25 mm	PVC04	243483	150 g
20s/16	M20	3.1 ... 8.6 mm	6.1 ... 13.1 mm	24 mm	72.5 mm	0.3 ... 1 mm	0.8 ... 1.25 mm	PVC04	243482	160 g
25	M25	11.1 ... 19.9 mm	18.2 ... 26.2 mm	37.5 mm	89 mm	0.4 ... 1.2 mm	1.25 ... 1.6 mm	PVC09	243486	330 g
25s	M25	11.1 ... 19.9 mm	14 ... 22 mm	37.5 mm	89 mm	0.4 ... 1.2 mm	1.25 ... 1.6 mm	PVC09	243485	330 g
32	M32	17 ... 26.2 mm	23.7 ... 33.9 mm	46 mm	86 mm	0.4 ... 1.2 mm	1.6 ... 2 mm	PVC11	243487	430 g
40	M40	22 ... 32.1 mm	27.9 ... 40.4 mm	55 mm	90 mm	0.4 ... 1.6 mm	1.6 ... 2 mm	PVC15	243488	620 g
50	M50	35.6 ... 44 mm	40.4 ... 53 mm	70.1 mm	95 mm	0.6 ... 1.6 mm	2 ... 2.5 mm	PVC21	243490	950 g
50s	M50	29.5 ... 38.1 mm	35.2 ... 46.7 mm	60 mm	91 mm	0.4 ... 1.6 mm	2 ... 2.5 mm	PVC18	243489	750 g
63	M63	47.2 ... 55.9 mm	54.6 ... 65.8 mm	80 mm	104 mm	0.6 ... 1.6 mm	2 ... 2.5 mm	PVC25	243492	1.34 kg
63s	M63	40.1 ... 49.9 mm	45.6 ... 59.4 mm	75 mm	102 mm	0.6 ... 1.6 mm	2 ... 2.5 mm	PVC23	243491	1.34 kg
75	M75	59.1 ... 67.9 mm	66.7 ... 78.4 mm	100 mm	117 mm	0.6 ... 1.6 mm	2.5 ... 3 mm	PVC30	246283	2.42 kg
75s	M75	52.8 ... 61.9 mm	59 ... 72 mm	90 mm	115 mm	0.6 ... 1.6 mm	2 ... 2.5 mm	PVC28	246282	2.11 kg
Thread standard		NPT								
Gland size	Thread size	Inner sheath	Outer sheath	Width across flats	Protrusion length	Grooved cone	Stepped cone	PVC boot	Art. No.	Weight
20	NPT1/2	6.5 ... 13.9 mm	12.5 ... 20.9 mm	30.5 mm	73 mm	0.4 ... 1 mm	0.8 ... 1.25 mm	PVC06	246286	210 g
20s	NPT1/2	6.1 ... 11.6 mm	9.5 ... 15.9 mm	24 mm	70 mm	0.3 ... 1 mm	0.8 ... 1.25 mm	PVC04	246285	150 g
20s/16	NPT1/2	3.1 ... 8.6 mm	6.1 ... 13.1 mm	24 mm	72.5 mm	0.3 ... 1 mm	0.8 ... 1.25 mm	PVC04	246284	160 g
25	NPT3/4	11.1 ... 19.9 mm	18.2 ... 26.2 mm	37.5 mm	89 mm	0.4 ... 1.2 mm	1.25 ... 1.6 mm	PVC09	246288	330 g
25s	NPT3/4	11.1 ... 19.9 mm	14 ... 22 mm	37.5 mm	89 mm	0.4 ... 1.2 mm	1.25 ... 1.6 mm	PVC09	246287	330 g

**Selection Table**

Thread standard		NPT								
Gland size	Thread size	Inner sheath	Outer sheath	Width across flats	Protrusion length	Grooved cone	Stepped cone	PVC boot	Art. No.	Weight
32	NPT1	17 ... 26.2 mm	23.7 ... 33.9 mm	46 mm	86 mm	0.4 ... 1.2 mm	1.6 ... 2 mm	PVC11	246289	430 g
40	NPT1-1/4	22 ... 32.1 mm	27.9 ... 40.4 mm	55 mm	90 mm	0.4 ... 1.6 mm	1.6 ... 2 mm	PVC15	246290	620 g
50	NPT2	35.6 ... 44 mm	40.4 ... 53 mm	70.1 mm	95 mm	0.6 ... 1.6 mm	2 ... 2.5 mm	PVC21	246292	950 g
50s	NPT1-1/2	29.5 ... 38.1 mm	35.2 ... 46.7 mm	60 mm	91 mm	0.4 ... 1.6 mm	2 ... 2.5 mm	PVC18	246291	750 g
63	NPT2-1/2	47.2 ... 55.9 mm	54.6 ... 65.8 mm	80 mm	104 mm	0.6 ... 1.6 mm	2 ... 2.5 mm	PVC25	246294	1.34 kg
63s	NPT2	40.1 ... 49.9 mm	45.6 ... 59.4 mm	75 mm	102 mm	0.6 ... 1.6 mm	2 ... 2.5 mm	PVC23	246293	1.34 kg

Additional variants available with NPT thread type.  
Versions with country codes BRA, CHN and others available on request.

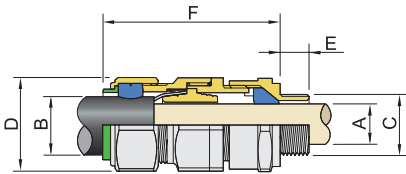
Grooved cone: For cables with wire-braid or tape armouring  
Smooth cone: For cables with wire armouring (SWA)

**Technical Data**

Explosion Protection	
IECEx gas explosion protection	Ex db IIC Gb
IECEx gas explosion protection 2	Ex eb IIC Gb
IECEx dust explosion protection	Ex ta IIIC Da
IECEx firedamp protection	Ex db I Mb
IECEx firedamp protection 2	Ex eb I Mb
IECEx restricted breathing	Ex nR IIC Gc
ATEX gas explosion protection	⊕ II 2 G Ex db IIC Gb
ATEX gas explosion protection 2	⊕ II 2 G Ex eb IIC Gb
ATEX dust explosion protection	⊕ II 1 D Ex ta IIIC Da
ATEX firedamp protection	⊕ I M2 Ex db I Mb
ATEX firedamp protection 2	⊕ I M2 Ex eb I Mb
ATEX restricted breathing	⊕ II 3 G Ex nR IIC Gc
Notes	The product certificates can be downloaded from the manufacturer's homepage ( <a href="http://www.cmp-products.com">www.cmp-products.com</a> )
Ex version	Ex e & Ex d & Ex nR & Ex ta
Ambient Conditions	
Ambient temperature	-60 °C ... +130 °C
Mechanical Data	
Degree of protection (IP)	IP66
Degree of protection note	IP67 and IP68 mounting according to the specifications of the manufacturer, CMP. The specified degrees of protection are only fulfilled if CMP installation accessories are used.
Material	Nickel-plated brass
Sealing material	SOLO LSF
Armouring type	All armouring
Construction type	BS 6121, IEC/EN 62444
Silicone-free	Yes
Impact strength	20 J

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

E10



A = Inner sheath    B = Outer sheath  
C = Thread size    D = Width across corners  
D = Width across flats    E = Thread length  
F = Protrusion length