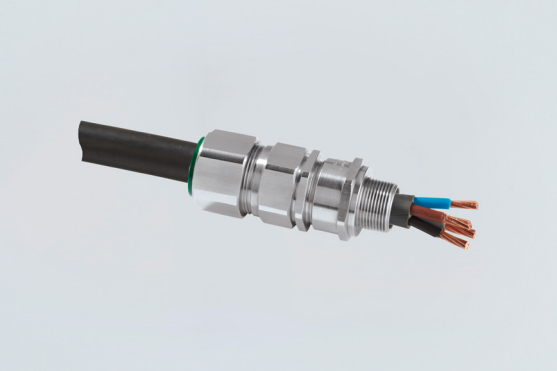


- Ex d and Ex e cable gland for cables with wire-braid and tape armouring made of steel or aluminium
- Explosion-protected displacement seal for the outer cable sheath, controlled outer load retention seal
- Internationally certified in accordance with IECEx, ATEX and cCSAus, EMC-tested

MY R. STAHL **E1FXA**

The Series E1FX Ex d and Ex e metal cable glands are suitable for special types of armoured cables: Wire-braid steel and aluminium armouring. They have a special holder for the armouring 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	Width across corners	Protrusion length	Grooved cone	PVC boot	Art. No.	Weight
20	M20	6.5 … 13.9 mm	12.5 … 20.9 mm	30.5 mm	33.6 mm	73 mm	0.4 … 1 mm	PVC06	246385	210 g
20s/16	M20	3.1 … 8.6 mm	6.1 … 13.1 mm	24 mm	26.4 mm	72.5 mm	0.3 … 1 mm	PVC04	246384	160 g
25	M25	11.1 … 19.9 mm	18.2 … 26.2 mm	37.5 mm	41.3 mm	89 mm	0.4 … 1.2 mm	PVC09	246386	330 g
32	M32	17 … 26.2 mm	23.7 … 33.9 mm	46 mm	50.6 mm	86 mm	0.4 … 1.2 mm	PVC11	246387	430 g
40	M40	22 … 32.1 mm	27.9 … 40.4 mm	55 mm	60.5 mm	90 mm	0.4 … 1.6 mm	PVC15	246388	620 g
50	M50	35.6 … 44 mm	40.4 … 53 mm	70.1 mm	77.1 mm	95 mm	0.6 … 1.6 mm	PVC21	246390	950 g
50s	M50	29.5 … 38.1 mm	35.2 … 46.7 mm	60 mm	66 mm	91 mm	0.4 … 1.6 mm	PVC18	246389	750 g
63	M63	47.2 … 55.9 mm	54.6 … 65.8 mm	80 mm	88 mm	104 mm	0.6 … 1.6 mm	PVC25	246392	1.34 kg
63s	M63	40.1 … 49.9 mm	45.6 … 59.4 mm	75 mm	82.5 mm	102 mm	0.6 … 1.6 mm	PVC23	246391	1.34 kg
75	M75	59.1 … 67.9 mm	66.7 … 78.4 mm	100 mm	110 mm	117 mm	0.6 … 1.6 mm	PVC30	246394	2.42 kg
75s	M75	52.8 … 61.9 mm	59 … 72 mm	90 mm	99 mm	115 mm	0.6 … 1.6 mm	PVC28	246393	2.11 kg
Thread standard			NPT							
Gland size	Thread size	Inner sheath	Outer sheath	Width across flats	Width across corners	Protrusion length	Grooved cone	PVC boot	Art. No.	Weight
20	NPT1/2	6.5 … 13.9 mm	12.5 … 20.9 mm	30.5 mm	33.6 mm	73 mm	0.4 … 1 mm	PVC06	246396	210 g
20s	NPT1/2	6.1 … 11.6 mm	9.5 … 15.9 mm	24 mm	26.4 mm	70 mm	0.3 … 1 mm	PVC04	251706	150 g
20s/16	NPT1/2	3.1 … 8.6 mm	6.1 … 13.1 mm	24 mm	26.4 mm	72.5 mm	0.3 … 1 mm	PVC04	246395	160 g
25	NPT3/4	11.1 … 19.9 mm	18.2 … 26.2 mm	37.5 mm	41.3 mm	89 mm	0.4 … 1.2 mm	PVC09	246397	330 g
25s	NPT3/4	11.1 … 19.9 mm	14 … 22 mm	37.5 mm	41.3 mm	89 mm	0.4 … 1.2 mm	PVC09	251707	330 g
32	NPT1	17 … 26.2 mm	23.7 … 33.9 mm	46 mm	50.6 mm	86 mm	0.4 … 1.2 mm	PVC11	246398	430 g
40	NPT1-1/4	22 … 32.1 mm	27.9 … 40.4 mm	55 mm	60.5 mm	90 mm	0.4 … 1.6 mm	PVC15	246399	620 g
50s	NPT1-1/2	29.5 … 38.1 mm	35.2 … 46.7 mm	60 mm	66 mm	91 mm	0.4 … 1.6 mm	PVC18	246400	750 g
63	NPT2-1/2	47.2 … 55.9 mm	54.6 … 65.8 mm	80 mm	88 mm	104 mm	0.6 … 1.6 mm	PVC25	246403	1.34 kg

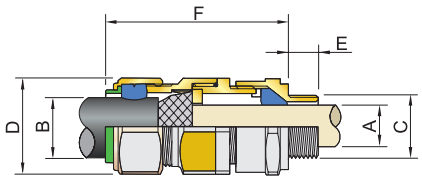
Cable glands Ex e & Ex d & Ex nR & Ex ta

Series E1FX for wire-braid/steel tape armouring

Grooved cone: For cables with wire-braid or tape armouring

Technical Data	
Explosion Protection	
IECEx gas explosion protection	Ex db 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	Ⓔx II 2 G Ex db eb IIC Gb
ATEX dust explosion protection	Ⓔx II 1 D Ex ta IIIC Da
ATEX firedamp protection	Ⓔx I M2 Ex db I Mb
ATEX firedamp protection 2	Ⓔx I M2 Ex eb I Mb
ATEX restricted breathing	Ⓔx II 3 G Ex nR IIC Gc
Notes	The product certificates can be downloaded from the manufacturer's homepage (www.cmp-products.com)
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
Material	Nickel-plated brass
Sealing material	SOLO LSF
Armouring type	Wire braid cable

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



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