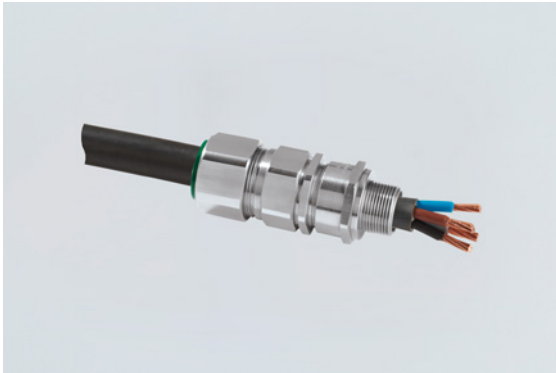


Cable glands Ex e & Ex d & Ex nR & Ex ta

Series E1FW for single-wire/steel wire armouring (SWA)

STAHL



- Ex d and Ex e cable glands for cables with SWA
- Prevention of cold flow
- Internationally certified in accordance with IECEx, ATEX and cCSAus, EMC-tested

E10

MY R. STAHL E1FWA



The Series E1FW metal Ex d and Ex e cable glands are suitable for special types of armoured cables: For SWA and tape armouring made of steel and aluminium. 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	Stepped 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	0.8 ... 1.25 mm	PVC06	246429	210 g
20s/16	M20	3.1 ... 8.6 mm	6.1 ... 13.1 mm	24 mm	26.4 mm	72.5 mm	0.8 ... 1.25 mm	PVC04	246428	160 g
25	M25	11.1 ... 19.9 mm	18.2 ... 26.2 mm	37.5 mm	41.3 mm	89 mm	1.25 ... 1.6 mm	PVC09	246430	330 g
32	M32	17 ... 26.2 mm	23.7 ... 33.9 mm	46 mm	50.6 mm	86 mm	1.6 ... 2 mm	PVC11	246431	430 g
40	M40	22 ... 32.1 mm	27.9 ... 40.4 mm	55 mm	60.5 mm	90 mm	1.6 ... 2 mm	PVC15	246432	620 g
50	M50	35.6 ... 44 mm	40.4 ... 53 mm	70.1 mm	77.1 mm	95 mm	2 ... 2.5 mm	PVC21	246434	950 g
50s	M50	29.5 ... 38.1 mm	35.2 ... 46.7 mm	60 mm	66 mm	91 mm	2 ... 2.5 mm	PVC18	246433	750 g
63	M63	47.2 ... 55.9 mm	54.6 ... 65.8 mm	80 mm	88 mm	104 mm	2 ... 2.5 mm	PVC25	246436	1.34 kg
63s	M63	40.1 ... 49.9 mm	45.6 ... 59.4 mm	75 mm	82.5 mm	102 mm	2 ... 2.5 mm	PVC23	246435	1.34 kg
75	M75	59.1 ... 67.9 mm	66.7 ... 78.4 mm	100 mm	110 mm	117 mm	2.5 ... 3 mm	PVC30	246438	2.42 kg
Thread standard		NPT								
Gland size	Thread size	Inner sheath	Outer sheath	Width across flats	Width across corners	Protrusion length	Stepped 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	0.8 ... 1.25 mm	PVC06	246440	210 g
20s	NPT1/2	6.1 ... 11.6 mm	9.5 ... 15.9 mm	24 mm	26.4 mm	70 mm	0.8 ... 1.25 mm	PVC04	251708	150 g
20s/16	NPT1/2	3.1 ... 8.6 mm	6.1 ... 13.1 mm	24 mm	26.4 mm	72.5 mm	0.8 ... 1.25 mm	PVC04	246439	160 g
25	NPT3/4	11.1 ... 19.9 mm	18.2 ... 26.2 mm	37.5 mm	41.3 mm	89 mm	1.25 ... 1.6 mm	PVC09	246441	330 g
25s	NPT3/4	11.1 ... 19.9 mm	14 ... 22 mm	37.5 mm	41.3 mm	89 mm	1.25 ... 1.6 mm	PVC09	251709	330 g
32	NPT1	17 ... 26.2 mm	23.7 ... 33.9 mm	46 mm	50.6 mm	86 mm	1.6 ... 2 mm	PVC11	246442	430 g
40	NPT1-1/4	22 ... 32.1 mm	27.9 ... 40.4 mm	55 mm	60.5 mm	90 mm	1.6 ... 2 mm	PVC15	246443	620 g
50	NPT2	35.6 ... 44 mm	40.4 ... 53 mm	70.1 mm	77.1 mm	95 mm	2 ... 2.5 mm	PVC21	246445	950 g

Selection Table

Thread standard		NPT								
Gland size	Thread size	Inner sheath	Outer sheath	Width across flats	Width across corners	Protrusion length	Stepped cone	PVC boot	Art. No.	Weight
50s	NPT1-1/2	29.5 ... 38.1 mm	35.2 ... 46.7 mm	60 mm	66 mm	91 mm	2 ... 2.5 mm	PVC18	246444	750 g
63	NPT2-1/2	47.2 ... 55.9 mm	54.6 ... 65.8 mm	80 mm	88 mm	104 mm	2 ... 2.5 mm	PVC25	246447	1.34 kg
63s	NPT2	40.1 ... 49.9 mm	45.6 ... 59.4 mm	75 mm	82.5 mm	102 mm	2 ... 2.5 mm	PVC23	246446	1.34 kg

Stepped cone: For cables with wire armouring (SWA)

Technical Data
Explosion Protection

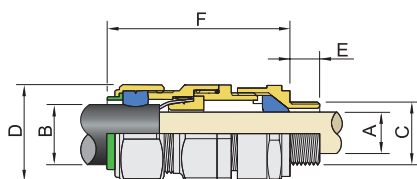
IECEX gas explosion protection	Ex db IIC Gb
IECEX dust explosion protection	Ex ta IIIC Da
IECEX firedamp protection	Ex db I Mb
IECEX firedamp protection 2	Ex eb I Mb
IECEX restricted breathing	Ex nR IIC Gc
ATEX gas explosion protection	⊕ II 2 G Ex db IIC Gb
ATEX dust explosion protection	⊕ II 1 D Ex 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 (www.cmp-products.com)
Ex version	Ex e & Ex d & Ex nR & Ex ta

Ambient Conditions

Ambient temperature	-60 °C ... +130 °C
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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	Single-wire armouring

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