



CMP MINING RANGE

**E1FW/MF**

Ex e Ex d

**E1FW/MF Mining, Internationally Approved, Flanged Explosive Atmosphere Cable Gland**

**For all types Steel & Aluminium Wire Armoured cables**

- High quality durable materials
- Wide sealing range for each cable gland size
- Fully sequential, three step installation procedure
- Reduces subjectivity of installations
- Complete with flanged adaptor
- Metal-to-metal armour clamping
- Direct & remote installation
- Displacement type flameproof inner seal
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- -60°C to +130°C
- Permitted in Zone 1
- Internationally marked, IECEx & ATEX
- EMC tested



See MA/FT, MA/B page for flange mounting dimensions

Alternative flange sizes available upon request

TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Retention = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Electrical Classifications*	Category B
ATEX Certificate	SIRA13ATEX1072X, SIRA09ATEX1034U
Code of Protection	⊕ IM2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN60079-0,1,7
IECEx Certificate	IECEx SIR 13.0027X, IECEx SIR 09.0024U, IECEx SIM 14.0007X
Code of Protection	Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7
Ingress Protection Rating	IP66**
Cable Gland Material	Brass, Electroless Nickel Plated Brass
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer
Cable Type	Single Wire Armour (SWA), Aluminium Wire Armour (AWA)
Armour Clamping	Detachable Armour Cone & AnyWay Universal Clamping Ring
Sealing Technique	CMP Inner Displacement Seal & Unique CMP 'LRS'™ Outer Load Retention Seal
Sealing Area(s)	Cable Inner Bedding & Outer Cable Sheath

\* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444

\*\* Refer to page 7 or www.cmp-products.com for further information on Ingress Protection Ratings

**Cable Gland Selection Table**

Refer to illustration at the top of the page.

Cable Gland Size	Minimum Spigot Length "E"	Spigot Diameter "C"	Cable Bedding Diameter "A"		Overall Cable Diameter "B"		Armour Range		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Brass Metric)			Cable Gland Weight (Kgs)
			Min	Max	Min	Max	Min	Max				Max	Max	Size	
20S	15.0	19.0	6.1	11.6	9.5	15.9	0.8	1.25	24.0	26.4	89.5	20S	E1FW	1RA/MF	0.302
20	15.0	19.0	6.5	13.9	12.5	20.9	0.8	1.25	30.5	33.6	92.5	20	E1FW	1RA/MF	0.361
25S	15.0	25.4	11.1	19.9	14.0	22.0	1.25	1.6	37.5	41.3	109.6	25S	E1FW	1RA/MF	0.575
25	15.0	25.4	11.1	19.9	18.2	26.2	1.25	1.6	37.5	41.3	109.6	25	E1FW	1RA/MF	0.572
32	15.0	31.8	17.0	26.2	23.7	33.9	1.6	2.0	46.0	50.6	107.2	32	E1FW	1RA/MF	0.745
40	15.0	38.1	22.0	32.1	27.9	40.4	1.6	2.0	55.0	60.5	111.2	40	E1FW	1RA/MF	1.015
50S	15.0	50.8	29.5	38.1	35.2	46.7	2.0	2.5	60.0	66.0	109	50S	E1FW	1RA/MF	1.478
50	15.0	50.8	35.6	44.0	40.4	53.0	2.0	2.5	70.1	77.1	113	50	E1FW	1RA/MF	1.683
63S	15.0	63.5	40.1	49.9	45.6	59.4	2.0	2.5	75.0	82.5	120.5	63S	E1FW	1RA/MF	2.109
63	15.0	63.5	47.2	55.9	54.6	65.8	2.0	2.5	80.0	88.0	122.5	63	E1FW	1RA/MF	2.149
75S	15.0	76.2	52.8	61.9	59.0	72.0	2.5	3.0	89.0	97.9	142.5	75S	E1FW	1RA/MF	3.664
75	15.0	76.2	59.1	67.9	66.7	78.4	2.5	3.0	99.0	108.9	144.5	75	E1FW	1RA/MF	3.978

\*For material options add the following suffix to the Ordering Reference; Brass (no suffix required); Nickel Plated Brass 'S'; 316 Grade Stainless Steel '4'; Copper Free Aluminium '1'

Examples: 32E1FWMF1RA = Brass, 50SE1FWMF1RA5 = Nickel Plated Brass, 25E1FWMF1RA4 = Stainless Steel

Dimensions are displayed in millimetres unless otherwise stated



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**TDS570 REV 7**