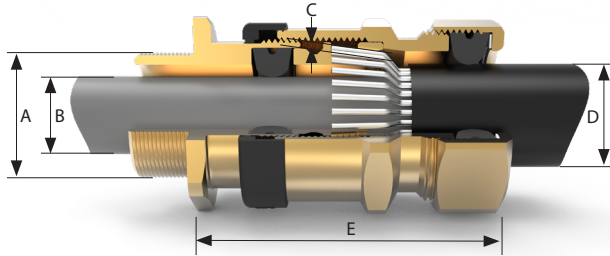




International Approvals

# APEX E1FW

Flameproof, Increased Safety, Dust Protection and Restricted Breathing  
Certified ATEX / IECEx / UKEX



### Features

- Dual Certified Double Seal Cable Gland
- Elastomeric Exd flameproof seal on cable inner sheath
- Robust Inspectable Clamping arrangement supplied for Wire Armour
- Optional Deluge Boot

The Apex E1FW Cable Gland is dual certified Exe/Exd, robust and for use with unarmoured, single wire armour 'W', and elastomer and plastic insulated cables. The gland provides an elastomeric seal on the cable inner sheath, and an IP and retention seal onto the cable outer sheath.

## Cable Gland Selection Table

Size Ref.	Entry Thread Size 'A'		Cable Acceptance Details								Approx Max Length 'E'	Hexagon Dimensions	
	Metric	NPT	Inner Sheath 'B'				Outer Sheath 'D'		Armour Thickness 'C'			Across Flats	Across Corners
			Standard Seal		Alternative Seal (S)		Min.	Max.	W Ring				
			Min.	Max.	Min.	Max.			Orientation 1	Orientation 2			
Os	M16	1/2"	2.5	7.5	-	-	7.2	16.0	0.8 - 1.25	-	64.0	24.0	26.5
	M20	1/2"	6.5	11.3	-	-	7.2	16.0	0.8 - 1.25	-	64.0	24.0	26.5
O	M16	1/2"	6.5	11.3	-	-	7.2	16.0	0.8 - 1.25	-	64.0	24.0	26.5
	M20	1/2"	6.5	11.3	-	-	7.2	16.0	0.8 - 1.25	-	64.0	24.0	26.5
A	M20	1/2"	10.0	14.3	9.0	13.4	12.5	20.8	0.8 - 1.25	-	65.5	30.0	32.5
		3/4"	10.0	14.3	9.0	13.4	12.5	20.8	0.8 - 1.25	-	65.5	30.0	32.5
B	M25	3/4"	13.0	19.5	9.5	15.4	18.0	27.0	0.8 - 1.25	1.25 - 1.6	76.0	36.0	39.5
		1"	13.0	19.5	9.5	15.4	18.0	27.0	0.8 - 1.25	1.25 - 1.6	76.0	36.0	39.5
C	M32	1"	19.5	26.4	15.5	21.2	24.5	33.0	1.25 - 1.6	1.6 - 2.0	78.0	46.0	50.5
		1 1/4"	19.5	26.4	15.5	21.2	24.5	33.0	1.25 - 1.6	1.6 - 2.0	78.0	46.0	50.5
C2	M40	1 1/4"	25.0	32.4	22.0	28.0	31.0	41.5	1.25 - 1.6	1.6 - 2.0	89.0	55.0	60.6
		1 1/2"	25.0	32.4	22.0	28.0	31.0	41.5	1.25 - 1.6	1.6 - 2.0	89.0	55.0	60.6
D	M50	1 1/2"	31.5	42.3*	-	-	36.0	51.7	1.6 - 2.0	2.0 - 2.5	104.0	65.0	70.8
		2"	31.5	43.3	-	-	36.0	51.7	1.6 - 2.0	2.0 - 2.5	104.0	65.0	70.8
E	M63	2"	42.5	54.3*	38.0	46.5	53.0	64.5	1.6 - 2.0	2.0 - 2.5	104.0	80.0	88.0
		2 1/2"	42.5	55.0	38.0	46.5	53.0	64.5	1.6 - 2.0	2.0 - 2.5	104.0	80.0	88.0
F	M75	2 1/2"	54.5	65.3*	53.0	58.3	64.0	77.5	1.6 - 2.0	2.0 - 2.5	106.0	95.0	104.0
		3"	54.5	66.7	53.0	58.3	64.0	77.5	1.6 - 2.0	2.0 - 2.5	106.0	95.0	104.0

Os - F size metric entry threads are 1.5mm pitch as standard, 15mm length of thread  
Alternative thread lengths may be available upon request.  
\*Smaller diameters apply when selecting smaller diameter NPT entry threadform.

## Technical Data

Metallic Material Options	Manufactured in Brass, Nickel Plated Brass or 316L Stainless Steel. Metallics conform to EN10204 2.2 & 3.1
Non Metallic Materials	Thermoset Elastomer
Ingress Protection	IP66, IP67
Enclosure Protection	IK08 to IEC 62262
Deluge Protection	Optional DTS01 with Deluge Boot
Operating Temperature	-60°C to +130°C
Applications	Suitable for use in Gas Zones 1,2 and Dust Zones 20, 21,22

### Approvals

Protection Class	Ex II 2G Ex db eb IIC Gb; 3G Ex nR IIC Gc; 1D Ex ta IIIC Da
ATEX Certificate No	CML23ATEX1003X CML19ATEX4507X (Ex nR)
IECEX Certificate No	CML23.0002X CML21.0012X (Ex nR)
UKEX Certificate No	CML23UKEX1005X CML21UKEX4133X (Ex nR)
Construction & Test Standards	IEC/EN 62444 (Anchorage Type D), IEC/EN 60079-0, 1, 7, 15, 31
Marine Approvals	ABS: 23-2419600. BV: 43523
Additional Certifications	Inmetro: IEx23.0109X. EAC: EA3C KZ 7100841.01.01.02087. PESO: P563425

## Ordering Information

If brass is required please omit material selection  
Format for ordering is as follows: Alternative Seal (S), Deluge Boot (T). Add suffix S and/or T to ordering information

Cable Gland Type	Size	Thread	Material	(Optional)
E1FW	C	M32	NP	
E1FW	C	1.0	NE	S

Order Example: E1FWCM32NP

Please note all NPT entries should be state as a decimal

Please refer to part code logic information page for further details on product options