

ATEX / IECEx Compression Fittings

Our extensive range of ATEX / IECEx approved compression fittings is designed and tested for use in hazardous areas with type Ex d, Ex e and Ex tD protection concepts allowing them to be used for both gas and dust applications in zone 1 and 2 areas.

They are available from stock with a variety of thread types and sizes to suit various diameter sensors. As an alternative to 316 stainless steel we can also offer all varieties in Hastelloy X or C276 for more arduous applications.

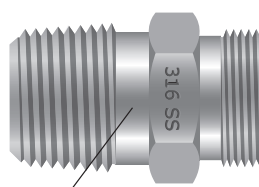
Compression fittings are essential when probes, sensors and other types of static elements need to be sealed as they pass into the area or enclosure.

Full approval rating is Ex II 2GD, Ex d IIC, Ex e IIC Gb & Ex ta IIIC Da. Certificate Nos. TRAC12ATEX0052X (ATEX) / TRC12.0023X (IECEx) refer (available on request).

Single Ferrule Fittings - Features at a Glance

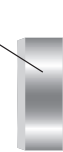
Ferrule

Seals against the media and grips the sensor



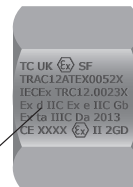
Main Body

Available in a wide range of imperial and metric thread sizes



Cap Nut

Compresses the fitting onto the tube



The single ferrule system gives a reliable seal against the media and ensures a good mechanical grip on the sensor itself.

SECTION 1	Material
S	Stainless Steel
B	Brass
H	Hastelloy

SECTION 2	Thread Size			
Code	Size	Code	Size	
18	1/8"	10	1"	
14	1/4"	M10	M10 x 1.0mm	
38	3/8"	M16	M16 x 1.5mm	
12	1/2"	M20	M20 x 1.5mm	
34	3/4"	M24	M24 x 1.5mm	

SECTION 3	Thread Type
Code	Type
T	BSPT
P	BSPF
N	NPT
M	ISO

Stainless Steel Locknuts

Available in a range of sizes to suit our range of compression fittings and cable glands.



Code	Type
LN10S	M10 x 1.0mm
LN16S	M16 x 1.5mm
LN20S	M20 x 1.5mm
LN24S	M24 x 1.5mm
LN1/2S	1/2" BSPP

SECTION 4	Insert Diameter (diameter of sensor to suit)					
Code	Size	Code	Size	Code	Size	
05	0.5mm	48	4.75mm (3/16")	120	12.0mm	
10	1.0mm	55	5.5mm	127	12.7mm (1/2")	
15	1.5mm	60	6.0mm	159	15.9mm (5/8")	
16	1.59mm (1/16")	64	6.35mm (1/4")	190	19.05mm (3/4")	
20	2.0mm	80	8.0mm	213	21.3mm (13/16")	
30	3.0mm	95	9.53mm (3/8")	254	25.4mm (1")	
32	3.175mm (1/8")	100	10.0mm			
45	4.5mm	108	10.8mm			

SECTION 5	Optional Counter Bore
Code	Diagram
CB	
	All fittings are available with counter bored bodies for use as termination entry glands when sealing probes (with pot seals) or feedthroughs into terminal heads / conduit boxes, etc.

Order Code - Example					
Type No	Material (See section 1)	Thread Size and Type (See sections 2 and 3)	Insert Diameter (See section 4)	Counter Bore* (if required)	ATEX / IECEx
SF	S	12 T	60	CB	EX



ATEX / IECEx Cable Glands

Our range of cable glands is tailored to suit the terminal heads and extension cables available in this catalogue and will maintain the Zone 1/21 Ex d, Ex e and Ex tD approval. The glands are available in either brass or stainless steel and give a reliable IP66 and IP68 seal to 25 metres. An IP O-ring is supplied as standard on metric thread versions.

- Ex d / Ex e / Ex tD approved to zone 1/21
- IP66 and IP68 seal to 25 metres
- Supplied with a Neoprene seal which has an operating temperature -20 to +85°C
- Optional accessories include a locknut, earth tag, IP washers, shroud etc. - please contact us for details
- Generally ex-stock for quick delivery

Cable Gland Selection Table (diameter of sensor to suit)						
Type	Gland Size Code	Cable dia.	Thread Code	Thread Type	Material	Approval
CGA	16	4.0~8.4mm	M20	M20 x 1.5mm	B Brass S St./Steel	EX
	20S	7.2~11.7mm	12N	1/2" NPT		
	20	9.4~14.0mm	34N	3/4" NPT		

Order Code - Example				
Type No	Gland Size	Thread Code	Material	Approval
CGA	16	M20	B	EX

The above glands are a small part of our cable gland range, selected for use with the sensors and enclosures shown in this catalogue. For other cable types, gland sizes, materials etc., please contact TC Ltd for a quotation.