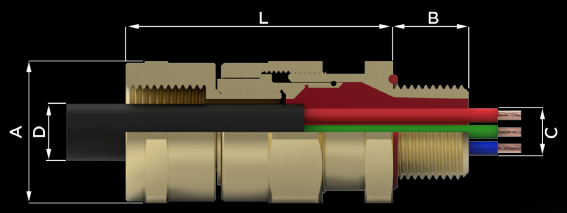
PRODUCT TYPE EC*S*F

Single Compression Barrier Gland featuring Peppers T2000 or T1000 Compound and a Female Conduit Connection Thread

Ex db : Ex eb : Ex nR : Ex ta : IP66 : IP68 : IP69



PART NUMBERS:

EC	1	S	B	F
	2		S	

PRODUCT DESCRIPTION

"EC*-S*F" type glands, used in any orientation, are certified Flameproof Ex db, Increased Safety Ex eb, Restricted Breathing Ex nR and Dust Protected Ex ta. They are suitable for use in Group I Mining, Zone 1 and 2 for Gas Groups IIA, IIB and IIC and additionally for use in Zones 20, 21 and 22 for Dusts Groups IIIA, IIIB and IIIC. Commonly referred to as a "Conduit Stopper Box" they are suitable for use with conductors carried in conduit or as a line bushing for terminating flying leads. They provide a compound barrier Ex db & IP seal on the cable inner cores, eliminating damage to cables that exhibit "cold flow" characteristics. The unique features include, Peppers T1000 or T2000 compound that enables a quick and easy installation. An innovative barrier chamber that allows for a full inspection of the compound fill. The gland maintains IP66, IP68 to 100 metres and IP 69. Is deluge proof without the use of an additional seal or deluge boot. It is supplied with an IP O-ring seal as standard on metric entry threads. The gland is supplied with a female conduit connection thread.

COMPLIANCE STANDARDS:

EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31
IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-15, IEC 60079-31 & IEC 60529

CERTIFICATION:

ATEX	I M2 II 1D 2G Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex ta IIIC Da II 3G Ex nR IIC Gc
IECEx	Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex ta IIIC Da / Ex nR IIC Gc

CERTIFICATION No:

ATEX	CML 19ATEX1113X & CML 19ATEX4114X
IECEx	IECEx CML 19.0035X

EXAMPLE PART NUMBERING: EC2-SBF20/NP/M20/050NPT

EC	Eclipse style barrier gland for use with Peppers T1000 & T2000 compound
2	Peppers T1000 (1) - Peppers T2000 (2)
S	Gland featuring single compression compound (Barrier) Inner Seal for use with conduit
B	Brass (B) / Stainless Steel (S)
F	Back End Configuration: Female (F)
20	Gland shell size
K - V - H	Locknut & Nylon (K), Fibre (V) or PTFE (H) IP Washer
T	Including Earth Tag
S	Including Serrated Washer
1	Quantity per kit
NP	Nickel Plated
M20	M20 x 1.5 Male Entry Thread
050NPT	Female Connection Thread - 1/2"NPT

OPTIONAL ACCESSORIES:

LOCKNUT	Brass (ACBLN) / Stainless Steel (ACSLN)
EARTH TAG	Brass (ACBET) / Stainless Steel (ACSET)
IP WASHERS	Nylon (ACNSW) / Fibre (ACFSW) / PTFE (ACPSW)
SERRATED WASHERS	Stainless Steel (ACSSW)

IP RATING:	IP66 & IP68 (100 metres - 7 days) & IP69
OPERATING TEMP:	T1000: -60°C to +135°C
	T2000: -60°C to +120°C
MATERIALS:	Brass or Stainless Steel
PLATING:	Electroless Nickel
COMPOUND:	Peppers T-1000 Compound / Peppers T-2000 Compound

Peppers New T2000 Compound

- Hand operated No Mixing VMS Cartridge
- Fast setting compound. Conductor termination can be effected from 60 minutes @ 23°C
- Featuring Peppers unique “no ferrule" technology allowing it to be fully retractable and inspectable
- Robust Compound for extreme conditions
- Deluge proof without the requirements of additional seals or boots
- Built in interface seal with metric threads

CABLE GLAND SELECTION TABLE (ALL DIMENSIONS IN mm)

Gland size	Entry Thread Size		Metric Thread Length [B]	Female Entry Threads		Gland Sealing Range - Cable Sheath & Cores					Nominal Protrusion Length [L]	Dimensions/Weight (Metric)		
						Max Number of Cores [C] [T1000]	Max Number of Cores [C] [T2000]	Max Ø Over Cores [C]	Min Inner Sheath [T2000]	Max Outer Sheath [D]		Across Flats [A]	Across Corners	Weight (Kgs)
	Metric	NPT		Metric	NPT									
16S	M16 x 1.5	3/8”	16	M16	3/8”	12	12	8.9	4.0	10.0	54.05	25.4	28.0	0.161
20	M20 x 1.5	1/2” or 3/4”	16	M20	1/2” or 3/4”	40	20	12.5	4.0	14.0	55.46	30.0	33.0	0.217
25	M25 x 1.5	3/4” or 1”	16	M25	3/4” or 1”	60	30	16.5	8.0	18.5	60.25	37.6	41.4	0.341
32	M32 x 1.5	1” or 1 ¼”	16	M32	1” or 1 ¼”	80	50	23.5	14.0	26.3	61.25	46.0	50.6	0.516
40	M40 x 1.5	1 ¼” or 1 ½”	16	M40	1 ¼” or 1 ½”	130	65	28.8	16.0	32.2	61.35	55.0	60.5	0.674
50S	M50 x 1.5	1 ½” or 2”	16	M50	1 ½” or 2”	200	100	34.2	20.0	38.2	65.25	65.0	71.5	0.781
50	M50 x 1.5	2”	16	M50	2”	400	100	39.4	20.0	44.1	65.25	65.0	71.5	0.781
63S	M63 x 1.5	2” or 2 ½”	19	M63	2” or 2 ½”	400	130	44.8	30.0	50.1	74.26	80.0	88.0	1.247
63	M63 x 1.5	2 ½”	19	M63	2 ½”	425	130	50.0	30.0	56.0	74.26	80.0	88.0	1.247
75S*	M75 x 1.5	2 ½” or 3”	19	M75	2 ½” or 3”	425	-	55.4	-	62.0	75.75	90.0	99.0	1.339
75*	M75 x 1.5	3”	19	M75	3”	425	-	60.8	-	68.0	75.75	90.0	99.0	1.339
80*	M80 x 2.0	3” or 3 ½”	25	M80	3” or 3 ½”	425	-	64.4	-	72.0	92.21	104.7	115.2	3.061
85*	M85 x 2.0	3” or 3 ½”	25	M85	3” or 3 ½”	425	-	69.8	-	78.0	92.35	104.7	115.2	2.512
90*	M90 x 2.0	3 ½” or 4”	25	M90	3 ½” or 4”	425	-	75.1	-	84.0	89.01	114.3	125.7	3.143
100*	M100 x 2.0	3 ½” or 4”	25	M100	3 ½” or 4”	425	-	80.5	-	90.0	90.01	114.3	125.7	2.603

NOTES

* Size 75S and above only available with T1000 Compound

- Gland size does not necessarily equate to the entry thread size.
- The IP O-ring seal is only available on metric entry threads. IP washers can be supplied for tapered entry threads
- Dimensions (A) & (B) may differ for glands with non metric entry threads. Please refer to our “Thread Reference Tables” for specific dimensions.
- Assembly instructions must be read prior to installation and adhered to in full.
- Peppers supplies cable glands with parallel entry threads that conform to the flameproof threaded joint requirements of IEC/EN 60079-1 and other equivalent standards. They usually incorporate a thread run out according to the available machining techniques and will not have a full form thread for the entire length. Peppers Cable Glands Limited will not be held responsible for clients' installations where this has not been taken into account.
- When selecting IP Washer & Shroud material for use with glands, please be aware of the accessories temperature range to ensure they are suitable for the intended installation.
- The gland is supplied with the correct amount of compound, gloves and instructions to allow one complete termination