

Single Seal Barrier Gland featuring Peppers T-1000 Compound with Female Thread for Conduit Connection

Ex db : Ex eb : Ex nR : Ex ta : IP66 : IP68 : Class I Div 2



PRODUCT DESCRIPTION

"CR-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 Dust Groups IIIA, IIIB and IIC. Also certified for Division installations under CEC. 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 T-1000, the sealing compound that enables a quick and easy installation and an innovative barrier chamber that allows for a full inspection of the compound fill. The gland maintains IP66 & IP68 to 100 metres and 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 C22.2 (see certificate), CAN/CSA 60079-0/1/7/31, UL50

CERTIFICATION:	UKEX	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
	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 nR IIC Gc / Ex ta IIIC Da
	CEC - Canada	Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da Class I Division 2, Groups A, B, C & D Class II Groups E, F & G Class III, Type 4X
	EAC	PB Ex db I Mb X / 1Ex db IIC Gb X / PB Ex eb I Mb x / 1Ex eb IIC Gb X / 2Ex nR IIC Gc X Ex ta IIIC Da X
	INMETRO - Brazil	Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
	CCC - China	Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
	UKRAINE	I M2 Ex db I Mb / II 2G Ex db IIC Gb / II 2G Ex eb I Mb / II 2G Ex eb IIC Gb II 3G Ex nR IIC Gc / II 1D Ex ta IIIC Da
	CCoE - India	Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc
	KCS - Korea	Ex d IIC / Ex e IIC

CERTIFICATION No:	UKEX	CML 21UKEX1031X & CML 21UKEX4037X
	ATEX	CML 19ATEX1344X & CML 19ATEX4114X
	IECEX	IECEX CML 19.0046X
	CEC - Canada	CSA 1356011
	EAC	RU C-GB.AK58.B.05106/24
	INMETRO - Brazil	NCC 13.2188 X
	CCC - China	2021312313000422
	UKRAINE	CL 18.0322 X
	CCoE - India	PESO P494321/18 & P494321/20
	KCS - Korea	15-GA4BO-0665X & 15-GA4BO-0666X

NOTES	ECAS-Ex	25-06-153223/E25-06-159811/NB0007
	ABS	25-0158110-PDA
	LLOYD'S	LR2124442TA
	DNV	TAE00004XK

CERTIFICATION:	UKEX	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
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	IECEX	Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
	CEC - Canada	Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da Class I Division 2, Groups A, B, C & D Class II Groups E, F & G Class III, Type 4X
	EAC	PB Ex db I Mb X / 1Ex db IIC Gb X / PB Ex eb I Mb x / 1Ex eb IIC Gb X / 2Ex nR IIC Gc X Ex ta IIIC Da X
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	CCoE - India	Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc
	KCS - Korea	Ex d IIC / Ex e IIC

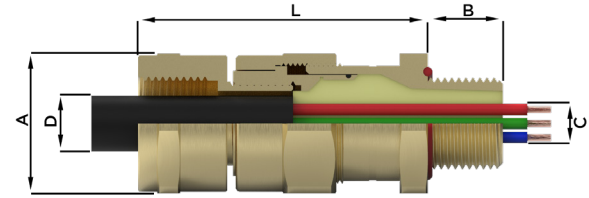
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	DNV	TAE00004XK

Gland size	Male Entry Thread		Metric Entry Thread Length [B]	Female Entry Threads		Gland Seal Range - Cable Sheath & Cores			Nominal Protusion Length [L]	Dimensions/Weight (Metric)		
	Metric	NPT		Metric	NPT	Number of Cores [C]	Max Ø Over Cores [C]	Max Outer Sheath [D]		Across Flats [A]	Across Corners	Weight (Kgs)
20	M20 x 1.5	1/2" or 3/4"	16	M20 x 1.5	1/2" or 3/4"	40	12.5	14.0	57	30.0	33.0	0.324
25	M25 x 1.5	3/4" or 1"	16	M25 x 1.5	3/4" or 1"	60	17.8	20.0	63	37.6	41.4	0.513
32	M32 x 1.5	1" or 1 1/4"	16	M32 x 1.5	1" or 1 1/4"	80	23.5	26.3	67	46.0	50.6	0.726
40	M40 x 1.5	1 1/4" or 1 1/2"	16	M40 x 1.5	1 1/4" or 1 1/2"	130	28.8	32.2	68	55.0	60.5	1.088
50S	-	1 1/2"	16	M50 x 1.5	1 1/2" or 2"	200	34.2	38.2	68	65.0	71.5	1.328
50	M50 x 1.5	2"	16	M50 x 1.5	2"	400	39.4	44.1	68	65.0	71.5	1.328
63S	-	2"	19	M63 x 1.5	2" or 2 1/2"	400	44.8	50.1	72	80.0	88.0	2.022
63	M63 x 1.5	2 1/2"	19	M63 x 1.5	2 1/2"	425	50.0	56.0	72	80.0	88.0	2.022
75S	-	2 1/2"	19	M75 x 1.5	2 1/2" or 3"	425	55.4	62.0	78	90.0	99.0	2.314
75	M75 x 1.5	3" or 3 1/2"	19	M75 x 1.5	3"	425	60.8	68.0	78	90.0	99.0	2.314
80	M80 x 2.0	3" or 3 1/2"	25	M80 x 2.0	3" or 3 1/2"	425	64.4	72.0	103	104.0	115.2	4.262
85	M85 x 2.0	3" or 3 1/2"	25	M85 x 2.0	3" or 3 1/2"	425	69.8	78.0	103	104.0	115.2	3.748
90	M90 x 2.0	3 1/2" or 4"	25	M90 x 2.0	3 1/2" or 4"	425	75.1	84.0	104	114.0	125.7	4.791
100	M100 x 2.0	3 1/2" or 4"	25	M100 x 2.0	3 1/2" or 4"	425	80.5	90.0	104	114.0	125.7	4.103

- 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 the two-part compound, gloves and instructions to allow one complete termination.
  - Where approval in addition to UKEX, ATEX, IECEx and CSA is required, this must be clearly requested at time of enquiry / order.
- 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 supply products with parallel entry threads that conform to the flameproof threaded joint requirements of IEC/EN 60079-1 and other equivalent standards. We usually incorporate a thread run out according to general machining techniques and parts will not have a full form thread for the

PRODUCT TYPE CR-S\*F



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

	<b>CR-S</b>	Gland with Compound (Barrier) Seal
	<b>B</b>	Brass (B) / Stainless Steel (S)
	<b>F</b>	Female Back End Configuration
<b>OPTIONS</b>	<b>K-V-H</b>	Locknut & Nylon (K), Fibre (V) or PTFE (H) IP Washer
	<b>T</b>	Including Earth Tag
	<b>S</b>	Including Serrated Washer
	<b>1</b>	Quantity per kit
	<b>20</b>	Gland shell size
	<b>NP</b>	Nickel Plated
	<b>M20</b>	M20 x 1.5 Male Entry Thread
	<b>050NPT</b>	1/2"NPT Internal Female Connection Thread

OPTIONAL ACCESSORIES:

LOCKNUT (L)	Brass (ACBLN) / Stainless Steel (ACSLN)
EARTH TAG (T)	Brass (ACBET) / Stainless Steel (ACSET)
IP WASHERS	Nylon (N) / Fibre (J) / PTFE (Z)
SERRATED WASHERS	Stainless Steel (S)

IP RATING:	IP66 & IP68 (100 metres - 7 Days), Type 4X & DTS01:1991
OPERATING TEMP:	-60°C to +135°C
MATERIALS:	Brass or Stainless Steel
PLATING:	Electroless Nickel
COMPOUND:	Peppers T-1000 Sealing Compound

**CURING TIME:**  
@ 21°C Conductor termination can be effected after 1 hour. Compound chamber can be fully inspected after 4 hours and the equipment then energised.