Peppers Cable Glands Limited
Stanhope Road, Camberley, Surrey, GU15 3BT United Kingdom
Telephone: **+44 (0) 1276 64232** • Facsimile: **+44 (0) 1276 691752**
Email: **sales@peppers.co.uk** • Website: **www.cableglands.com**

Cable Gland Type CR-S (Single Compression for use with Conduit) — Ex d : Ex e : Ex nR : Ex ta : IP66 : IP68

Part Numbers:

C	R	S	B	F
			S	M

"CR-S" type glands, used in any orientation, are certified Flameproof Ex d, Increased Safety Ex e & Restricted Breathing Ex nR, are suitable for use in Zone 1, Zone 2, Zone 21, Zone 22, Group I Mining, Gas Groups IIA, IIB, IIC and Dust Groups IIIA, IIIB, 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 d & 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 provides a cable acceptance that is on average 17% greater than other designs. 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 and options are available for use with LSOH cables. The gland is supplied with a female conduit connection thread as standard with an option for a male connection thread.

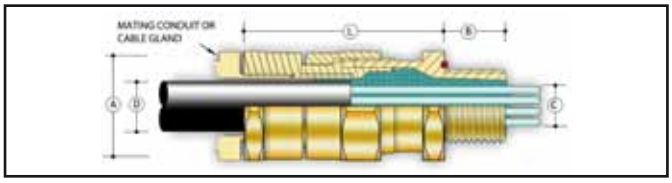
Compliance Standard: EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31
IEC 60079-0, IEC 60079-1, 60079-7, IEC 60079-15, IEC 60079-31 & IEC 60529

Certification:		
	ATEX	I M2 II 2GD Ex d I Mb & IIC Gb / Ex e I Mb & IIC Gb / Ex ta IIIC Da II 3GD Ex nR IIC Gc
	IECEx	Ex d I Mb & IIC Gb / Ex e I Mb & IIC Gb / Ex ta IIIC Da / Ex nR IIC Gc
	GOST-R	Ex d I & IICU / Ex e IIU
	CSA	Ex d I & IIC Class I Zone 1 Class I Division 2, Groups A, B, C & D Class II Division 2, Groups E, F & G Class III, Enclosure Types 3, 4 & 4X
	NEPSI	Ex d IIC
	INMETRO	BR - Ex d IIC / Ex nR II / Ex tD A21
	ABS	1-1-4/7.7, 4.8-3/1.7, 4-8-3/13 and 4-8-4/27.5 MODU Rules 4-3-3/9
	LLOYD'S	Enclosure Systems (Part 1B)
	RMRS	Part XI of Rules for sea-going ships (ed.2008)

Certificate No.		
	ATEX	SIRA 03ATEX1479X & SIRA 09ATEX4124X
	IECEx	SIR 07.0098X
	GOST-R	РОСС GB.ГБ06.B00853
	CSA	CSA 1356011
	NEPSI	GYJ06188X
	INMETRO	NCC 5881/09 X
	ABS	09-LD463991A-PDA
	LLOYD'S	10/00056
	RMRS	09.00784.011

IP Rating: IP66 & IP68 (100 metres - 7 Days), NEMA 4X & DTS01 1991

Temperature: -60°C to +135°C
Materials: Brass or Stainless Steel
Plating: Nickel - Zinc
Compound: Peppers T-1000 Sealing Compound



Example Part Numbering (See below for details) — CR-SBF20/NP/M20/050NPT

CR-S	Type of gland with Compound (Barrier) Seal and male/female connection
B	Brass (B) / Stainless Steel (S)
F	Back End Configuration: Female (F) or Male (M)
20	Gland shell size
NP	Nickel Plated (NP) - Zinc Plated (ZP)
M20	Male Entry Thread - M20
050NPT	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)
	Serrated Washer	Stainless Steel (ACSSW)

Notes: A male back end option is available effectively enabling a certified male/male union (CR-SBM)

Curing Time: @ 21 °C
Conductor termination can be effected after 1 hour
The equipment can be energised after 4 hours
Compound chamber can be fully inspected after 4 hours

CABLE GLAND SELECTION TABLE

Gland Size	Male Entry Threads		Metric Entry Thread Length [B]	Female Entry Threads		Gland Seal Range - Cable Sheath & Cores			Nominal Protrusion Length [L]	Dimensions/Weight (Metric)			Metric Thread Shroud Size
	Metric	NPT		Metric	NPT	Number of Cores [C]	Max Ø Over Cores [C]	Max Outer Sheath [D]		Across Flats	Across Corners [A]	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	n/a
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	n/a
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	n/a
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	n/a
50	M50 x 1.5	2"	16	M50 x 1.5	2"	400	39.4	44.1	68	65.0	71.5	1.328	n/a
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	n/a
75	M75 x 1.5	3"	19	M75 x 1.5	3"	425	60.8	68.0	78	90.0	99.0	2.314	n/a
80	M80 x 2	3" or 3 1/2"	25	M80 x 2	3" or 3 1/2"	425	64.4	72.0	103	104.0	115.2	4.262	n/a
85	M85 x 2	3" or 3 1/2"	25	M85 x 2	3" or 3 1/2"	425	69.8	78.0	103	104.0	115.2	3.748	n/a
90	M90 x 2	3 1/2" or 4"	25	M90 x 2	3 1/2" or 4"	425	75.1	84.0	104	114.0	125.7	4.791	n/a
100	M100 x 2	3 1/2" or 4"	25	M100 x 2	3 1/2" or 4"	425	80.5	90.0	104	114.0	125.7	4.103	n/a

All dimensions in mm

Notes:

* Gland size does not necessarily equate to the entry thread size. Dimension [L] relates to the female back end configuration only.
* The IP O-ring seal is only available on metric entry threads. IP washers can be supplied for tapered entry threads.
* Please ensure that the IP O-ring is not used in conjunction with a flat IP washer.
* Dimensions (A) & (B) may differ for glands with non metric entry threads. Please refer to our "Thread Reference Tables" for specific dimensions.
* Where glands are fitted into non-metallic Ex e enclosures they must be included within the earth circuit of the system.
* The user should seek expert advice if intending to combine flammable and combustible dust in one environment/installation.
* Assembly instructions must be read prior to installation and adhered to in full.
* Peppers supply 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 will not be held responsible for clients' installations where this has not been taken into account.
* To maintain the specified IP rating, clearance holes must be in accordance with EN 50262 Table 1 and the entry device should be suitably secured.
* The gland is supplied with the correct amount of the two-part compound, gloves and instructions to allow one complete termination.