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Barrier Gland:- Type CR-X

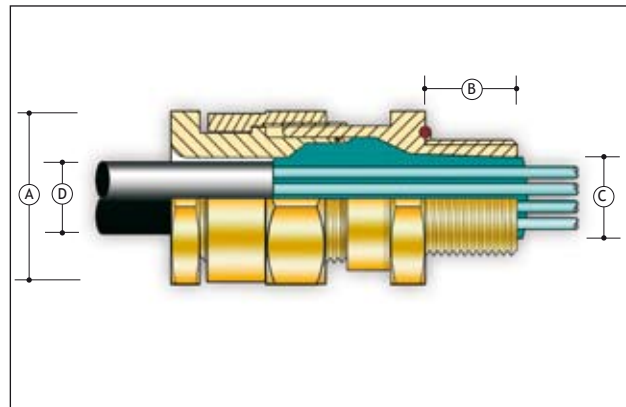


Including type No's:

C	R	X	*
			B
			S

Croclock CR-X type glands provide a Flameproof EExd compound filled barrier and an entry thread seal. Croclock CR-X type glands maintain EExd Flameproof method of explosion protection; IP66, 68 to 100 metres and is deluge resistant.

COMPLIANCE STANDARD	EN 60079-0, EN 60079-1, EN 61241-0, EN 61241-1, IEC 60079-0, IEC 60079-1, IEC 61241-0 & IEC 61241-1														
CERTIFICATION	ATEX I M2 II 2 GD, E Exd I & IIC GOST R-Exd I & IIC CSA Exd I & IIC/Exe II 4X CSA A Exd IIC/A Exe II 4X, Class 1, Zone 1 IECEx Exd IIC / Exd I NEPSI Exd IIC / Exe II														
CERTIFICATE	SIRA 03ATEX1479X - Ex Notified Body No. 0518 POCC GB 06.B00420 CSA 1356011 IECEX SIR 07.0098X NEPSI GYJ06188X														
GLAND MARKING (EXAMPLE)	IEC Ex SIR 07.0098X Exd I & IIC Ex tD A21 IP68 CR-XB/20/M20 Sira 03ATEX1479X Peppers GU15 3BT UK Г506 c us Cl I Zn 1 AEx d IIC 4X EExd I & IIC Ex I M2 II 2 GD														
APPLICATION	EExd Equipment CR-X type glands will maintain Flameproof Exd integrity when used with any unarmoured cable types. Ref: IEC60079-14:2002 Section 10.4.2 <table border="1"> <thead> <tr> <th>Gas Group</th> <th>Internal Ignition Source</th> <th>Enclosure Volume</th> <th>Which Zone</th> <th>Use CR-X Gland</th> </tr> </thead> <tbody> <tr> <td>I, IIC, IIB, IIA</td> <td>YES</td> <td>Any</td> <td>Zone 1 or 2</td> <td>YES</td> </tr> </tbody> </table> Other Equipment Mining Equipment Group I, M2 Ignitable Dust, Zones 21 and 22					Gas Group	Internal Ignition Source	Enclosure Volume	Which Zone	Use CR-X Gland	I, IIC, IIB, IIA	YES	Any	Zone 1 or 2	YES
Gas Group	Internal Ignition Source	Enclosure Volume	Which Zone	Use CR-X Gland											
I, IIC, IIB, IIA	YES	Any	Zone 1 or 2	YES											
INGRESS PROTECTION	IP66 & IP68 @ 100 metres, Enclosure Type 4X Meets the requirements of DTS01 1991														
CURING TIME	@ 21°C Conductor termination can be effected after 1 hour The equipment can be energised after 4 hours The compound chamber can be inspected after 4 hours														
MATERIALS	Brass CZ121 (CR-XB) 316 Stainless Steel (CR-XS) Inner LSOH compound Entry thread seal: Red LSOH silicone														
VARIATIONS	For lead sheath cables the gland is fitted with a metallic continuity washer: Brass (CR-X2B); 316 Stainless Steel (CR-X2S)														
OPTIONS	THREADS	ISO Metric; NPT; NPS; ISO Pipe Thread (BSP Taper, BSP Parallel)													
	PLATING	Zinc (ZP); Nickel (NP); Tin (TP); Electroless Nickel (EN)													
OPERATING TEMPERATURES	-60°C to +85°C														



ACCESSORIES	<p>Locknut - Brass (ACBLN); 316 Stainless Steel (ACSLN) Earth Tag - Brass (ACBET), 316 Stainless Steel (ACSET) IP Washer - Nylon (ACNSW); Red Fibre (ACFSW) Serrated Lock Washer - 316 Stainless Steel (ACSSW), Galvanised Steel (ACGSW) Shroud - PVC (ACSPVC)</p> <p>Gland and accessory kits: K1- includes gland, locknut, integral IP "O" ring & PVC shroud</p> <p>Note: Glands with non metric threads are supplied with flat IP washers.</p>
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EXAMPLE PART NUMBER	<p>Sample: CR-XB K1/NP/20S/M20</p> <p>CR-X: CR-X - Gland type **_*B - Material (Brass) K1 - Supplied complete with accessories (PVC Shroud) NP - Nickel plating 20s - Gland size with regards to cable acceptance range M20 - Entry thread</p>
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Gland Size	Entry Threads		Entry Thread Length [B]	Max Across Corners [A]	Max Protrusion Length	Gland Seal Range Cable Sheath / Cores			Shroud Size
	Metric	NPT/BSP				Max No. of Cores	Max Over Cores [C]	Max Sheath Diameter [D]	
20s	M20	1/2" or 3/4"	16	28.0	42.0	8	10.4	11.7	L24
20	M20	1/2" or 3/4"	16	33.0	44.0	14	12.5	14.0	L30
25	M25	3/4" or 1"	16	41.4	48.0	25	17.8	20.0	L38
32	M32	1" or 1 1/4"	16	50.6	53.0	50	23.5	26.3	L46
40	M40	1 1/4" or 1 1/2"	16	60.5	54.0	80	28.8	32.2	L55
50	M50	2"	16	71.5	54.0	100	39.4	44.1	L65
63	M63	2 1/2"	19	88.0	55.0	120	50.0	56.0	L80
75	M75	3"	19	99.0	60.0	140	60.8	68.0	L90
80	M80x2	3" or 3 1/2"	25	115.2	80.0	160	64.4	72.0	L104
85	M85x2	3" or 3 1/2"	25	115.2	80.0	180	69.8	78.0	L104
90	M90x2	3 1/2" or 4"	25	125.7	85.0	200	75.1	84.0	L114
100	M100x2	3 1/2" or 4"	25	125.7	85.0	220	80.5	90.0	L114

All Dimensions are in mm

NOTES:

- Gland Size does not necessarily equate to the entry thread size
- Integral entry thread seal option is not available for glands with tapered entry threads. IP washers can be supplied if required
- Please note that dimensions (A) & (B) may differ for glands with non-Metric entry threads. Please refer to our thread data tables for specific dimensions
- Unless otherwise stated ISO Metric entry threads have a 1.5mm pitch
- For Flameproof Exd applications the female thread into which the gland is to be fitted must comply with clause 5.3 of EN 50018:2000 (clause 5.3 IEC 79-1) and an engagement of at least 5 full threads must be achieved for parallel threads and should be achieved for tapered threads
- If CR-X type glands are fitted into non-metallic enclosures they must be included within the earth circuit of the system
- The user should seek expert advice if intending to combine flammable gases and combustible dusts in one environment/installation
- Full assembly instructions are supplied with glands, the instructions must be read prior to installation and adhered to in full
- In order to maintain an IP rating greater than IP54, when used in a clearance hole, a suitable IP washer is required.
- Peppers supplies cable glands with parallel entry threads which conform to the flameproof threaded joint requirements of IEC 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.

<http://www.cableglands.com>