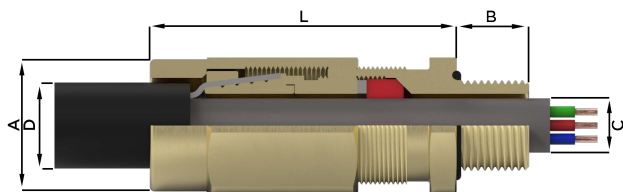




PRODUCT TYPE CR-D

Single Compression Gland for armoured cable featuring "CROCLOCK®"

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



EXAMPLE PART NUMBERING:
CR-D1BCK1/NP/20/M20

CR	Gland featuring "CROCLOCK®", single orientation clamping
D	Inner Sheath Seal Only
1	Neoprene Seal (1) - Silicone Seal (3) - Neoprene/Lead (2) - Silicone/Lead (4)
B	Brass (B) - Stainless Steel (S)
C	PVC Shroud (C) - PCP Shroud (P) - LSOH Silicone Shroud (3)
K-V-H	Locknut, Earth Tag & Nylon (K), Fibre (V) or PTFE (H) IP Washer
S	Including Serrated Washer
1	Quantity per kit
NP	Nickel Plated
20	Gland shell size
M20	M20 x 1.5 Male Entry Thread

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)
SHROUDS	PVC (ACSPVC) / PCP (ACSPCP) / LSOH Silicone (ACSSIO)

IP RATING:	IP66 & IP68 (50 metres - 7 Days), Type 4X
OPERATING TEMP:	Neoprene Seals -35°C to +90°C / Silicone Seals -60°C to +180°C
MATERIALS:	Brass or Stainless Steel
PLATING:	Electroless Nickel

CABLE GLAND SELECTION TABLE
(ALL DIMENSIONS IN mm)

Gland Size	Entry Thread Size		Metric Thread Length [B]	Cable Acceptance Details			Armour Acceptance Range	Nominal Protrusion Length [L]	Dimensions/Weight (Metric)			Shroud size
	Metric	NPT		Inner Sheath [C]	Outer Sheath [D]	Max			Across Flats [A]	Across Corners	Weight Kgs	
16	M20 x 1.5	1/2" or 3/4"	16	3.4	8.4	16.0	0.15-1.25	72	25.4	28.0	0.159	EL24
20S	M20 x 1.5	1/2" or 3/4"	16	7.2	11.7	16.0	0.15-1.25	72	25.4	28.0	0.165	EL24
20	M20 x 1.5	1/2" or 3/4"	16	9.4	14.0	21.0	0.15-1.25	73	30.0	33.0	0.222	EL30
25	M25 x 1.5	3/4" or 1"	16	13.5	20.0	27.5	0.15-1.60	85	38.0	41.4	0.403	EL38
32	M32 x 1.5	1" or 1 1/4"	16	19.5	26.3	34.0	0.15-2.00	106	46.0	50.6	0.763	EL46
40	M40 x 1.5	1 1/4" or 1 1/2"	16	23.0	32.2	40.6	0.20-2.00	106	55.0	60.5	1.045	EL55
50S	M50 x 1.5	1 1/2" or 2"	16	28.1	38.2	53.2	0.20-2.50	120	65.0	71.5	1.146	EL65
50	M50 x 1.5	2"	16	33.1	44.1	53.2	0.30-2.50	120	65.0	71.5	1.365	EL65
63S	M63 x 1.5	2" or 2 1/2"	19	39.2	50.1	65.8	0.30-2.50	120	80.0	88.0	2.457	EL80
63	M63 x 1.5	2 1/2"	19	46.7	56.0	65.8	0.30-2.50	120	80.0	88.0	2.082	EL80
75S	M75 x 1.5	2 1/2" or 3"	19	52.1	62.0	78.0	0.30-2.50	125	90.0	99.0	2.800	EL90
75	M75 x 1.5	3"	19	58.0	68.0	78.0	0.30-2.50	125	90.0	99.0	2.307	EL90
80	M80 x 2.0	3" or 3 1/2"	25	62.2	72.0	90.0	0.45-3.15	151	104.0	115.2	4.717	EL104
80H	M80 x 2.0	3" or 3 1/2"	25	62.2	72.0	90.0	0.45-3.15	151	104.0	115.2	4.572	EL104
85	M85 x 2.0	3" or 3 1/2"	25	69.0	78.0	90.0	0.45-3.15	151	104.0	115.2	3.903	EL104
90	M90 x 2.0	3 1/2" or 4"	25	74.0	84.0	102.0	0.45-3.15	153	114.0	125.7	4.940	EL114
90H	M90 x 2.0	3 1/2" or 4"	25	74.0	84.0	102.0	0.45-3.15	153	114.0	125.7	4.700	EL114
100	M100 x 2.0	3 1/2" or 4"	25	82.0	90.0	102.0	0.45-3.15	154	114.0	125.7	4.194	EL114

NOTES

- 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 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.
- Where approval in addition to ATEX, IECEx and CSA is required, this must be clearly requested at time of enquiry / order.

PART NUMBERS:

C	R	D	1	B
			2	S
			3	
			4	



PRODUCT DESCRIPTION

"CR-D" type glands are certified Flameproof Ex db, Increased Safety Ex eb, Restricted Breathing Ex nR and Dust Protected Ex ta. They are suitable for use in 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 IIIC. Also certified for Zone and Division installations for use with Marine Shipboard and Tray Cables under the NEC and CEC. They provide a controlled Ex d & IP displacement seal on the cable inner sheath minimising damage to cables that exhibit "cold flow" characteristics and "CROCLOCK®", a unique non reversible multi clamping system for wire, braid and tape armoured cables. The gland maintains IP66 & IP68 to 50 metres. It is supplied with an IP O-ring seal as standard on metric entry threads. Options are available for use with lead sheath, LSOH cables and extreme temperature applications.

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 60079-31 & IEC 60529 C22.2 (see certificate), CAN/CSA 60079-0/1/7 UL514B, UL1203, UL2225, UL50E, ANSUL 60079-0/7, ISA 60079-31

CERTIFICATION No:

ATEX	II 1D 2G Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da II 3G Ex nR IIC Gc
IECEX	Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da
CEC - Canada	Class I Division 2, Groups A, B, C & D Class II Division 1, Groups E, F & G Class III, Enclosure Type 4X Class I Zone 1 Ex d IIC / Ex e II Class II Division 1, Groups E, F & G Class III, Enclosure Type 4X Class I Zone 1 AEx e IIC Gb Class II Zone 20 AEx ta IIIC Da
NEC - USA	1Ex d IIC Gb X / 1Ex e IIC Gb X / 2Ex nR IIC Gc X / Ex ta IIIC Da X Ex db IIC / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da Ex d IIC / Ex e IIC
EAC	II 2G Ex db IIC Gb / II 2G Ex eb IIC Gb / II 3G Ex nR IIC Gc
INMETRO - Brazil	II 1D Ex ta IIIC Da
SAC - China	Ex d IIC Gb (Zone 1) / Ex e IIC Gb (Zone 2) / Ex nR IIC Gc (Zone 2)
UKRAINE	Ex d IIC / Ex e IIC
CcCoE - India	Specified ABS Rules
KCS - Korea	Ex d IIC Gb / Ex e IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
ABS	Ex d IIC Gb / Ex e IIC Gb / Ex ta IIIC Da
LLOYD'S	
RMRS	

CERTIFICATION No:

ATEX	BAS 01ATEX2271X & SIRA 09ATEX1221X
IECEX	IECEX SIR 07.0099X
CEC - Canada	CSA 1356011
NEC - USA	CSA 2627370
EAC	TC RU C-GB.BH02.B.00693-18
INMETRO - Brazil	NCC 13.2185 X
SAC - China	Nepsi GYJ16.1402X
UKRAINE	CL 18.0326 X
CcCoE - India	PESO P365300/4 & P365300/10
KCS - Korea	15-GA4BO-0667X & 15-GA4BO-0668X
ABS	14-LD463991-1-PDA
LLOYD'S	10/00056(E1)
RMRS	14.02755.315