

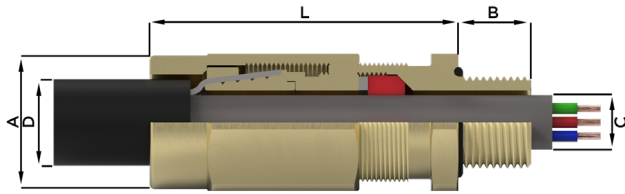
PRODUCT TYPE CR-D

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

PART NUMBERS:

C	R	D	1	B
			2	S
			3	
			4	



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

CR	Gland featuring "CROCLOCK®", single orientation clamping
D	Inner Sheath Seal Only
1	Neoprene Seal (1) - Silicone Seal (3)
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 & DTS01:1991
OPERATING TEMP:	Neoprene Seals -35°C to +90°C Silicone Seals -60°C to +180°C
MATERIALS:	Brass or Stainless Steel
PLATING:	Electroless Nickel

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. Additionally certified for Class I Zone 1 & Class 1 Div 2 installations for use with Marine Shipboard & Tray Cables under NEC & CEC. They provide a controlled Ex db & 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, ANSI/UL 60079-0/7, ISA 60079-31

CERTIFICATION:

ATEX	II 1D 2G Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIC Da II 3G Ex nR IIC Gc
IECEX	Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIC Da
CEC - Canada	Class I Division 2, Groups A, B, C & D Class II Division 1, Groups E, F & G Class III, Type 4X Class I Zone 1 Ex d IIC / Ex e II
NEC - USA	Class II Division 1, Groups E, F & G Class III, Type 4X Class I Zone 1 AEx e IIC Gb Class II Zone 20 AEx ta IIC Da
EAC	1Ex d IIC Gb X / 1Ex e IIC Gb X / 2Ex nR IIC Gc X / Ex ta IIC Da X
INMETRO - Brazil	Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIC Da
CCC - China	Ex d IIC Gb / Ex e IIC Gb / Ex nR IIC Gc / Ex td A20
UKRAINE	II 2G Ex db IIC Gb / II 2G Ex eb IIC Gb / II 3G Ex nR IIC Gc / II 1D Ex ta IIC Da
CoE - India	Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIC Da
KCS-Korea	Ex d IIC / Ex e IIC
ABS	Specified ABS Rules
LLOYD'S	Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIC Da
RS - Russia	Ex d IC / Ex d IIC / Ex e IC / Ex e IIC / Ex ta IIC

CERTIFICATION NO.:

ATEX	CML 19ATEX1348X & CML 19ATEX4109X
IECEX	IECEX CML 19.0106X
CEC - Canada	CSA 1356011
NEC - USA	CSA 2627370
EAC	RU C-GB.BH02.B.00693-18
INMETRO - Brazil	NCC 13.2185 X
CCC - China	2021312313000409
UKRAINE	CLJ 18.0326 X
CoE - India	PESO P494321/8 & P494321/13
KCS - Korea	15-GA4BO-0669X & 15-GA4BO-0670X
ABS	20-LD1944057-PDA
LLOYD'S	LR2124442TA
RS - Russia	19.00189.278

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 Versions)			Shroud Size (Metric)
	Metric	NPT		Inner Sheath [C]		Outer Sheath [D]			Across Flats [A]	Across Corners	Weight (Kgs)	
				Min	Max							
16	M20 x 1.5	1/2" or 3/4"	16	3.4	8.4	13.5	0.15-1.25	78	25.4	28.0	0.178	EL24*
20S	M20 x 1.5	1/2" or 3/4"	16	7.2	11.7	16.0	0.15-1.25	78	25.4	28.0	0.173	EL24*
20	M20 x 1.5	1/2" or 3/4"	16	9.4	14.0	21.1	0.15-1.25	78	30.0	33.0	0.233	EL30
25	M25 x 1.5	3/4" or 1"	16	13.5	20.0	27.4	0.15-1.60	90	37.6	41.4	0.416	EL38
32	M32 x 1.5	1" or 1 1/4"	16	19.5	26.3	34.0	0.15-2.00	105	46.0	50.6	0.772	EL46
40	M40 x 1.5	1 1/4" or 1 1/2"	16	23.0	32.2	40.6	0.20-2.00	113	55.0	60.5	1.093	EL55
50S	M50 x 1.5	1 1/2" or 2"	16	28.1	38.2	46.7	0.20-2.50	125	65.0	71.5	1.255	EL65
50	M50 x 1.5	2"	16	33.1	44.1	53.2	0.30-2.50	125	65.0	71.5	1.400	EL65
63S	M63 x 1.5	2" or 2 1/2"	19	39.2	50.1	59.5	0.30-2.50	125	80.0	88.0	2.550	EL80
63	M63 x 1.5	2 1/2"	19	46.7	56.0	65.8	0.30-2.50	125	80.0	88.0	2.104	EL80
75S	M75 x 1.5	2 1/2" or 3"	19	52.1	62.0	72.2	0.30-2.50	131	90.0	99.0	2.916	EL90
75	M75 x 1.5	3"	19	58.0	68.0	78.0	0.30-2.50	131	90.0	99.0	2.315	EL90
80	M80 x 2.0	3" or 3 1/2"	25	62.2	72.0	84.0	0.45-3.15	170	90.0	115.2	4.953	EL104
85	M85 x 2.0	3" or 3 1/2"	25	69.0	78.0	90.0	0.45-3.15	170	104.0	115.2	4.070	EL104
90	M90 x 2.0	3 1/2" or 4"	25	74.0	84.0	96.0	0.45-3.15	170	114.0	125.7	5.129	EL114
100	M100 x 2.0	3 1/2" or 4"	25	82.0	90.0	102.0	0.45-3.15	170	114.0	125.7	4.362	EL114
110	M110 x 2.0	4"	25	92.0	102.0	117.0	0.45-3.15	165	135.0	148.5	7.327	-

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 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 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.
- * For gland sizes 16 and 20S when used with 3/4" NPT entry thread an EL30 shroud would be required.