



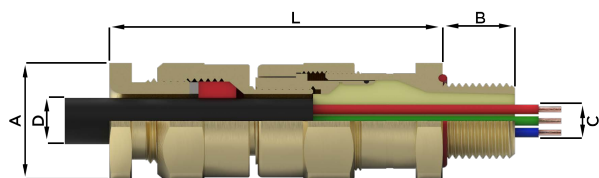
PRODUCT TYPE CR-U

Double Compression Barrier Gland designed for use with Unarmoured Cable featuring Peppers T-1000 Compound

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

PART NUMBERS:

C	R	U	B
			S



REFERENCE NUMBER: 4.2.1

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

CR-U	Gland with Peppers T-1000 Compound (Barrier) Inner Seal & Silicone LSOH Elastomeric Outer Seal
B	Brass (B) / Stainless Steel (S)
C	PVC Shroud (C) - PCP Shroud (P) - Silicone LSOH Shroud (3)
K-V-H	Locknut, & Nylon (K), Fibre (V) or PTFE (H) IP Washer
T	Including Earth Tag
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) / Silicone LSOH (ACSSIO)

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
OUTER SEAL:	Silicone LSOH

PRODUCT DESCRIPTION

"CR-U" 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 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 IIA, IIB and IIC. Occasionally referred to as "potting glands", they provide a compound barrier Ex d & IP seal on the cable inner cores, eliminating damage to cables that exhibit "cold flow" characteristics and an additional environmental seal on the outer sheath. 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.

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, UL514B, UL1203, UL2225, UL50E
ANSI/UL 60079-0/1/7, ISA 60079-31

CERTIFICATION:

ATEX	I M2 I 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 ta IIIC Da / Ex nR IIC Gc
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
NEC - USA	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 AEx d IIC Gb / AEx e IIC Gb Class II Zone 20 AEx ta IIIC Da
EAC	PB Ex d I Mb / 1Ex d IIC Gb X / 1Ex e 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 ta IIIC Da / Ex nR IIC Gc
SAC - China	Ex d IIC X / Ex e II X
UKRAINE	Ex d IIC Gb (Zone 1) / Ex e IIC Gb (Zone 2) / Ex nR IIC Gc (Zone 2)
CCoE - India	Specified ABS Rules
ABS	Ex d I Mb / Ex d IIC Gb / Ex e I Mb / Ex e IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
LLOYD'S	Ex d IC / Ex d IIC / Ex e IC / Ex e IIC / Ex ta IIIC / Ex tb IIIC
RMRS	

CERTIFICATION No:

ATEX	SIRA 03ATEX1479X & SIRA 09ATEX4124X
IECEX	IECEX SIR 07.0098X
CEC - Canada	CSA 1356011
NEC - USA	CSA 2627370
EAC	TC RU C-GB.BH02.B.00693-18
INMETRO - Brazil	NCC 13.2188 X
SAC - China	Nepsi GYJ16.1401X
UKRAINE	UA.TR.047.C.0408-13 & 2937
CCoE - India	PESO P365300/4 & P365300/10
ABS	14-LD463991A-1-PDA
LLOYD'S	10/00056(E1)
RMRS	14.02755.315

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.

CABLE GLAND SELECTION TABLE (ALL DIMENSIONS IN mm)

Gland size	Entry Thread Size		Metric Thread Length [B]	Cable Acceptance Details				Nominal Protrusion Length [L] Metric	Dimensions/Weight (Metric)			Shroud Size (Metric)
	Metric	NPT		Internal Cable Details		Cable Outer Sheath Seal [D]			Across Flats [A]	Across Corners	Weight Kgs	
				Max Number of cores [C]	Max Ø Over Cores [C]	Min	Max					
16	M20 x 1.5	1/2" or 3/4"	16	15	10.4	3.4	8.4	73	25.4	28.0	0.192	EL24
20S	M20 x 1.5	1/2" or 3/4"	16	35	10.4	4.8	11.7	73	25.4	28.0	0.192	EL24
20	M20 x 1.5	1/2" or 3/4"	16	40	12.5	9.5	14.0	73	30.0	33.0	0.258	EL30
25	M25 x 1.5	3/4" or 1"	16	60	17.8	11.7	20.0	74	37.6	41.4	0.382	EL38
32	M32 x 1.5	1" or 1 1/4"	16	80	23.5	18.1	26.3	80	46.0	50.6	0.578	EL46
40	M40 x 1.5	1 1/4" or 1 1/2"	16	130	28.8	22.6	32.2	87	55.0	60.5	0.892	EL55
50S	M50 x 1.5	1 1/2" or 2"	16	200	34.2	28.2	38.2	87	65.0	71.5	1.172	EL65
50	M50 x 1.5	2"	16	400	39.4	33.1	44.1	87	65.0	71.5	1.036	EL65
63S	M63 x 1.5	2" or 2 1/2"	19	400	44.8	39.3	50.1	88	80.0	88.0	1.726	EL80
63	M63 x 1.5	2 1/2"	19	425	50.0	46.7	56.0	88	80.0	88.0	1.558	EL80
75S	M75 x 1.5	2 1/2" or 3"	19	425	55.4	52.3	62.0	97	90.0	99.0	1.882	EL90
75	M75 x 1.5	3"	19	425	60.8	58.0	68.0	97	90.0	99.0	1.672	EL90
80	M80 x 2.0	3" or 3 1/2"	25	425	64.4	61.9	72.0	123	104.0	115.2	3.826	EL104
85	M85 x 2.0	3" or 3 1/2"	25	425	69.8	69.1	78.0	123	104.0	115.2	3.238	EL104
90	M90 x 2.0	3 1/2" or 4"	25	425	75.1	74.1	84.0	123	114.0	125.7	4.063	EL114
100	M100 x 2.0	3 1/2" or 4"	25	425	80.5	81.8	90.0	123	114.0	125.7	3.492	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.
- 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 ATEX, IECEX and CSA is required, this must be clearly requested at time of enquiry / order.