



"CR" type glands, 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 and in Gas Groups IIA, IIB and IIC. They provide a controlled Ex d & IP displacement seal on the cable inner sheath minimising damage to cables that exhibit "cold flow" characteristics, an environmental seal on the outer sheath and "CROLOCK", a unique non reversible multi clamping system for wire (W), braid (X) and tape (Z) armoured cables. The gland maintains IP66 & IP68 to 25 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. Options are available for use with lead sheath, LSOH cables and extreme temperature applications.

Compliance Standard: EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 61241-0, EN 61241-1 IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 61241-0, IEC 61241-1 & IEC 60529

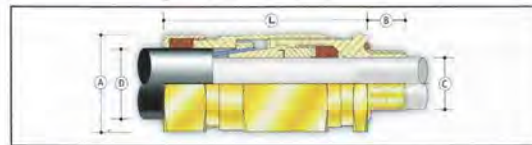
Certification: ATEX II 2 GD Ex d IIC / Ex e II / Ex tD A21 II 3 GD Ex nR II
IECEx Ex d IIC / Ex e II / Ex tD A21
GOST-R Ex d IICU / Ex e IIU
CSA Ex d IIC / Ex e II Class I Zone 1 Class I Division 2, Groups A, B, C & D Class II Division 2, Groups E, F & G Class III, Enclosure Types 3, 4 & 4X Ex d IIC / Ex e II
NEPSI Ex d IIC / Ex e II / Ex nR II / Ex tD A21
INMETRO 1-1-4/7.7, 4.8-3/1.7, 4.8-3/1.3 and 4-8-4/27.5
ABS 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 IECEx GOST-R CSA NEPSI INMETRO ABS LLOYD'S RMRS

IP Rating: IP66 & IP68 (25 metres - 30 minutes), NEMA 4X & DTS01 1991

Operating Temperature: Neoprene Seals -20°C to +85°C
Silicone Seals -60°C to +180°C

Materials: Brass or Stainless Steel
Plating: Nickel - Zinc



Example Part Numbering CR-1BCK1/NP/20/050NPT
(See below for details)

CR	Type of gland featuring "CROLOCK", single orientation clamping
1	Neoprene Seals (1) - Silicone (3) - Neoprene/Lead (2) - Silicone/Lead (4)
B	Brass (B) - Stainless Steel (S)
R	Reduced Bore Seal
C	PVC Shroud (C) - PCP Shroud (P) - LSOH Shroud (3)
K or V	Locknut, Earth Tag & Nylon (K) or Fibre (V) IP Washer
S	Including Serrated Washer
1	Quantity per kit
NP	Nickel Plated (NP) - Zinc Plated (ZP)
20	Gland shell size
050NPT	1/2"NPT 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 Washer	Stainless Steel (ACSSW)
	Shrouds	PVC (ACSPVC) / PCP (ACSPCP) / LSOH (ACSSIO)

Variations:	CR-O Omission of Inner Seal (Ex e & Ex tD) (IP66)
CR-D	Omission of Outer Seal

Gland Size	Entry Thread Size		ISO Thread Length [B]	Cable Acceptance Details						Armour Acceptance Range	Nominal Protrusion Length [L]	Dimensions/Weight (Metric Versions)			Metric Gland Shroud Size
	Metric	NPT		Inner Sheath [C]		Outer Sheath [D]		Reduced [D]				Across Flats	Across Corners [A]	Weight Kgs	
				Min	Max	Min	Max	Min	Max						
16	M20 x 1.5	1/2" or 3/4"	16	3.4	8.4	9.0	13.5	6.7	10.0	0.15-1.25	85	25.4	28.0	0.180	EL24
20S	M20 x 1.5	1/2" or 3/4"	16	7.2	11.7	12.9	16.0	9.4	12.5	0.15-1.25	85	25.4	28.0	0.171	EL24
20	M20 x 1.5	1/2" or 3/4"	16	9.4	14.0	15.5	21.1	12.0	17.6	0.15-1.25	85	30.0	33.0	0.251	EL30
25	M25 x 1.5	3/4" or 1"	16	13.5	20.0	20.3	27.4	16.8	23.9	0.15-1.60	95	37.6	41.4	0.414	EL38
32	M32 x 1.5	1" or 1 1/4"	16	19.5	26.3	26.7	34.0	23.2	30.5	0.15-2.00	115	46.0	50.6	0.762	EL46
40	M40 x 1.5	1 1/4" or 1 1/2"	16	23.0	32.2	33.0	40.6	28.6	36.2	0.20-2.00	120	55.0	60.5	1.100	EL55
50S	M50 x 1.5	1 1/2" or 2"	16	28.1	38.2	39.4	46.7	34.8	42.4	0.20-2.50	135	65.0	71.5	1.797	EL65
50	M50 x 1.5	2"	16	33.1	44.1	45.7	53.2	41.1	48.5	0.30-2.50	135	65.0	71.5	1.390	EL65
63S	M63 x 1.5	2" or 2 1/2"	19	39.2	50.1	52.1	59.5	47.5	54.8	0.30-2.50	135	80.0	88.0	2.551	EL80
63	M63 x 1.5	2 1/2"	19	46.7	56.0	58.4	65.8	53.8	61.2	0.30-2.50	135	80.0	88.0	2.053	EL80
75S	M75 x 1.5	2 1/2" or 3"	19	52.1	62.0	64.8	72.2	60.2	68.0	0.30-2.50	140	90.0	99.0	2.917	EL90
75	M75 x 1.5	3"	19	58.0	68.0	71.1	78.0	66.5	73.4	0.30-2.50	140	90.0	99.0	2.343	EL90
80	M80 x 2	3" or 3 1/2"	25	62.2	72.0	77.0	84.0	-	-	0.45-3.15	170	104.0	115.2	4.885	EL104
80H	M80 x 2	3" or 3 1/2"	25	62.2	72.0	79.6	90.0	-	-	0.45-3.15	170	104.0	115.2	4.885	EL104
85	M85 x 2	3" or 3 1/2"	25	69.0	78.0	79.6	90.0	75.0	85.4	0.45-3.15	170	104.0	115.2	4.038	EL104
90	M90 x 2	3 1/2" or 4"	25	74.0	84.0	88.0	96.0	-	-	0.45-3.15	170	114.0	125.7	4.996	EL114
90H	M90 x 2	3 1/2" or 4"	25	74.0	84.0	92.0	102.0	-	-	0.45-3.15	170	114.0	125.7	4.996	EL114
100	M100 x 2	3 1/2" or 4"	25	82.0	90.0	92.0	102.0	87.4	97.4	0.45-3.15	170	114.0	125.7	4.362	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.
 - * 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.
 - * 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 CR-O version is not suitable for Ex nR applications.
 - * All gland kits supplied with silicone seals will include a PTFE IP washer in order to maintain the temperature range.





PRESSACAVI PER CAVO
ARMATO DOPPIO/GOMMINO

zone 1	zone 2	Ex d IIC	-20°C
zone 21	zone 22		+85°C
T6	IP66	Ex e II	-60°C
	IP68	II2GD	+180°C

CABLE GLANDS FOR
ARMORED CABLE DOUBLE/SEAL

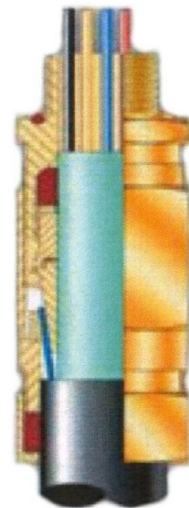
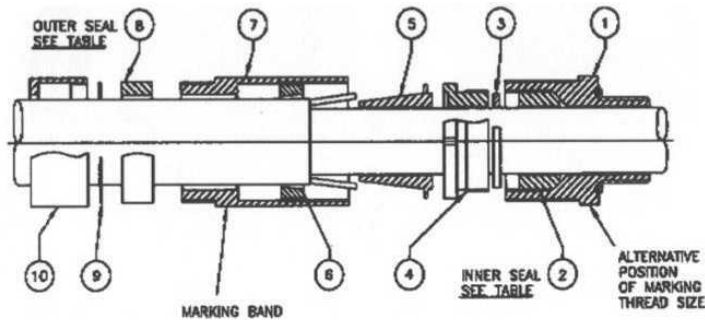
Caratteristiche: I pressacavi PAP..CR.. Prevedono un gommino del cavo sia sottoarmatura e un gommino sia sull'esterno del cavo e un sistema universale di fissaggio/ammarraggio dell'armatura, adatta sia per il filo di acciaio, nastro d'acciaio, cavo schermato o trecciato.
Il fissaggio dell'armatura fornisce un legame elettrico fra l'armatura del cavo e il pressacavo.
I pressacavi PAP..CR.. Sono con protezione Exd / Exe - IP66, IP68 fino a 25 metri di resistenza.
Una guarnizione oring integrale del filetto dell'entrata è standard sui filetti metrici.

Features: PAP..CR.. type glands provide a seal on the inner sheath, a seal on the outer sheath and a universal armour clamp for steel wire, steel tape, screened or braided cable.
The armour clamp provides an electrical bond between the cable armour and the gland.
PAP..CR.. type glands maintain flameproof Exd and increased safety Exe methods of explosion protection IP66, IP68 to 25 metres and is deluge resistant.
An integral oring entry thread seal is fitted to metric versions as standard.

Materiali: Ottone - ottone nikelato - alluminio - acciaio inox
Materials: Brass - Brass Nickel Plated - Aluminium - Stainless Steel

- Componenti:
- 1 corpo
 - 2 guarnizione interna
 - 3 rondella interna
 - 4 dado di compressione
 - 5 cono
 - 6 anello
 - 7 corpo intermedio
 - 8 guarnizione esterna
 - 9 rondella esterna
 - 10 testina esterna

- Components:
- 1 entry body
 - 2 inner seal
 - 3 inner skid washer
 - 4 compression nut
 - 5 cone
 - 6 clamp ring
 - 7 middle cap
 - 8 outer seal
 - 9 outer skid washer
 - 10 outer cap



CERTIFICATI - CERTIFIED

- ATEX II 2 GD Ex d IIC / Ex e II / Ex tD A21
II 3 GD Ex nR II
- IECEX Ex d IIC / Ex e II / Ex tD A21
- GOST-R Ex d IICU / Ex e IIU
- CSA Ex d IIC / Ex e II
- NEPSI Ex d IIC / Ex e II
- INMETRO BR - Ex d IIC / Ex e II / Ex nR II / Ex tD A21
- ABS
- LLOYD'S
- RMRS

