ELASTOMERIC SEAL:

PART NUMBERS

Class I Div 1 : Class II Div 1 : Class III Type 4X : Ex db : Ex eb Ex nR : Ex ta : AEx b : AEx e : AEx ta : IP66 : IP68





PRODUCT DESCRIPTION

"UL-C" type glands, certified Explosion Proof Class I Div 1, Gas Groups ABCD, Flameproof Ex db, Increased Safety Ex eb, Restricted Breathing Ex nR & dust protected Ex ta are suitable for use in Zone 1, Zone 2, Zone 20, Zone 21, Zone 22, Group I Mining, Gas Groups IIA, IIB, IIC and Dust Groups IIIA, IIIB, IIIC. Occasionally referred to as "potting glands", they provide a compound barrier Ex db & IP seal on the cable inner cores, eliminating damage to cables that exhibit "cold flow" characteristics and an environmental seal on the outer sheath. The gland is suitable for use with all certified Marine Shipboard Cable and Tray Cable whilst being UL listed for Marine Shipboard Armoured, Jacketed or Non Jacketed cable. The unique features include "CROCLOCK", the non reversible multi-clamping system for wire, braid and tape armoured cables and Peppers T-1000, the sealing compound that enables a quick and easy installation. The gland is AEx d. AEx e. AEx ta approved and rated Type 4X, maintains IP66, IP68 to 100 metres and is deluge proof without the use of an additional seal or deluge boot.

Double Seal Barrier Gland Designed for use with Armoured

Cable featuring Peppers CROCLOCK® & T-1000 Compound

COMPLIANCE STANDARDS:

UL514B, UL14203, UL2225, UL50E, ANSI/UL 60079-1/1/7, ISA 60079-31 FN 6 IEC

	UL-C	with Nickel Plated Entry Thread Brass (B) / Stainless Steel (S) Reduced Bore Seal Outer Sheath Seal PVC Shroud (C) - PCP Shroud (P) - Silicone LSOH Shroud (3) Locknut, Earth Tag & Nylon (K), Fibre (V) or PTFE (H) IP Washer Including Serrated Washer								
	В	Brass (B) /	Stainless Steel (S)							
	R	Reduced Bore Seal Outer Sheath Seal								
	С	PVC Shroud (C) - PCP Shroud (P) - Silicone LSOH Shroud (3)								
SNOITAC	K-V-H	Locknut, Earth Tag & Nylon (K), Fibre (V) or PTFE (H) IP Washer								
OPT	s	Including Serrated Washer								
	1	Quantity per kit								
	NP	Nickel Plate	ited							
	20	Gland shell	size							
075NPT 3/4"NPT M		3/4"NPT M	fale Entry Thread							
LC	CKNUT		Brass (ACBLN) / Stainless Steel (ACSLN)							
EA	ARTH TAG	;	Brass (ACBET) / Stainless Steel (ACSET)							

Gland featuring "CROCLOCK*", single orientation clamping

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, Oil Resistant II & DTS01:1991
OPERATING TEMP:	-60°C to +135°C (-25°C to +85°C for UL applications)
MATERIALS:	Brass or Stainless Steel
PLATING:	Electroless Nickel

CURING TIME:

Silicone LSOH

Peppers T-1000 Sealing Compound

@ 21°C Conductor termination can be effected after 1 hour The equipment can be energised after 4 hours.

2.2 NO. U/2	5/50/94.1/94.2/1/4 & CAN/CSA C22.2 600/9-0/1///51							
60079-0,	EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31							
60079-0, IEC 60079-1, 60079-7, IEC 60079-15, IEC 60079-31 & IEC 60529								
UL	Class I Division 1 / Division 2, Gas Groups ABCD Type 4X							
CEC - C	anada Class I Division 1, Groups A, B, C & D							

Class I Division 2, Groups A, B, C & D Class II Division 1, Groups E, F & G Class I Zone 1 Ex d IIC Gb / Ex e IIC Gb / Ex ta IIIC Da Class II Zone 21 Ex ta IIIC Da Class III, Enclosure Type 4X NEC - USA Class I Division 1, Groups A, B, C & D Class I Division 2, Groups A. B. C & D Class II Division 1, Groups E, F & G Class I Zone 1 AEx d IIC Gb / AEx e IIC Gb Class II Zone 21 AEx ta IIIC Da

Class III, Enclosure Type 4X **ATEX** I M2 II 1D 2G Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex ta IIIC Da

IECEX Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da 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 EAC INMETRO - Brazil Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da

SAC - China Ex d IIC Gb / Ex e IIC Gb UKRAINE I M2 Ex db I Mb / II 2G Ex db IIC Gb / II 2G Ex eb I Mb / II 2G Ex eb IIC Gb II 3G Ex nR IIC Gc / II 1D Ex ta IIIC Da

Ex d IIC Gb (Zone 1) / Ex e IIC Gb (Zone 2) / Ex nR IIC Gc (Zone 2) CCoE - India

Specified ABS Rules

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 RMRS

Ex d IC / Ex d IIC / Ex e IC / Ex e IIC / Ex ta IIIC

E248936 UL CSA 70004604 CEC - Canada **NEC - USA** CSA 70004604 **ATEX**

SIRA 09ATEX1066X & SIRA 09ATEX4124X IECEx SIR 09.0033X IECEx

FAC RU C-GB.BH02.B.00693-18 NCC 13.1957 X INMETRO - Brazil SAC - China NEPSI GYJ16.1403X UKRAINE CLI 18.0324 X

PESO P365300/3 & P365300/10 CCoE - India 14-LD463991A-1-PDA ABS LLOYD'S 10/00056(E1) 14.02755.315 RMRS

Gland Size		Entry Thread Size		Metric Thread	NPT Thread	cubic //eceptance betains										Dimensions/Weight			
						Internal Cable Details				Cable Outer Sheath Seal [D]			Armour	Nominal	(NPT Entry Thread Versions)			Shroud Size	
	Size	Metric	NPT	Length [B]	Length [B]	Max No. of Cores		Max Ø Over Cores	Max Inner Sheath [C]	Standard		Reduced		Acceptance Range	Protrusion Length [L]	Across Flats	Across	Weight	(Metric)
						IEC -	NEC	Over Cores	Cores Sheath [C]	Min	Max	Min	Max			[A] Corners	(lbs)		
	16	M20 x 1.5	1/2" or 3/4"	0.630	0.783 or 0.795	15	1	0.409	0.461	0.362	0.531	0.264	0.406	0.006-0.049	3.228	1.000	1.102	0.589	EL24
2	20S	M20 x 1.5	1/2" or 3/4"	0.630	0.783 or 0.795	35	4	0.409	0.461	0.453	0.630	0.370	0.492	0.006-0.049	3.228	1.000	1.102	0.606	EL24
:	20	M20 x 1.5	1/2" or 3/4"	0.630	0.783 or 0.795	40	8	0.492	0.551	0.610	0.831	0.563	0.693	0.006-0.049	3.268	1.180	1.299	0.721	EL30
	25	M25 x 1.5	3/4" or 1"	0.630	0.795 or 0.985	60	16	0.701	0.787	0.799	1.079	0.689	0.941	0.006-0.063	3.661	1.480	1.630	1.290	EL38
	32	M32 x 1.5	1" or 1 1/4"	0.630	0.985 or 1.008	80	30	0.925	1.035	1.051	1.339	0.984	1.201	0.006-0.079	4.331	1.810	1.992	2.083	EL46
	40	M40 x 1.5	1 1/4" or 1 1/2"	0.630	1.008 or 1.024	130	60	1.134	1.268	1.299	1.598	1.154	1.425	0.008-0.079	4.528	2.170	2.382	2.900	EL55
5	os	M50 x 1.5	2"	0.630	1.059	200	5	1.374	1.736	1.551	1.839	1.499	1.669	0.008-0.098	4.921	2.560	2.815	4.800	EL65
!	50	M50 x 1.5	2"	0.630	1.059	400	5	1.551	1.736	1.799	2.094	1.618	1.909	0.008-0.098	4.921	2.560	2.815	4.200	EL65
6	53S	M63 x 1.5	2 ½"	0.748	1.571	400	4	1.764	2.205	2.051	2.343	1.846	2.157	0.012-0.098	4.921	3.150	3.465	7.740	EL80
	63	M63 x 1.5	2 ½"	0.748	1.571	425	4	1.969	2.205	2.299	2.591	2.118	2.409	0.012-0.098	4.921	3.150	3.465	6.810	EL80
7	75S	M75 x 1.5	3"	0.748	1.634	425	4	2.181	2.677	2.551	2.843	2.469	2.677	0.012-0.098	5.315	3.890	4.280	9.150	EL104
	75	M75 x 1.5	3"	0.748	1.634	425	4	2.394	2.677	2.799	3.071	2.618	2.890	0.012-0.098	5.315	3.890	4.280	8.040	EL104

Cable Acceptance Details

CERTIFICATION No:

- · Gland size does not necessarily equate to the entry thread size.
- UL approval/applications have a reduced core quantity. Consult product installation instructions for specific core data.
- 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. 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.
- Metric versions are supplied with an IP O-ring.
- All brass entry threads are Nickel Plated as standard.
- Where approval in addition to UL, CSA, ATEX, and IECEx is required, this must be clearly requested at time of enquiry / order