



### PRODUCT DESCRIPTION

"LT-C" type glands are certified Flameproof Ex db, Increased Safety Ex eb 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. 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. The gland maintains IP66 & IP68 to 100 metres. The gland incorporates a connection for liquid tight flexible metallic conduit and features the Peppers T-1000 sealing compound that enables a quick and easy installation.

### COMPLIANCE STANDARDS:

EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31  
IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31 & IEC 60529

EXAMPLE PART NUMBERING:  
LT-CB/NP/20-1/M20

OPTIONS	LT-C	Gland featuring Peppers T-1000 Compound and connection for liquid tight flexible metallic conduit
	B	Brass (B) / Stainless Steel (S)
	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
	20-1	Gland and Conduit Connection Size
	M20	M20 x 1.5 Male Entry Thread

OPTIONAL ACCESSORIES:

LOCKNUT (L)	Brass (ACBLN) / Stainless Steel (ACSLN)
EARTH TAG (T)	Brass (ACBET) / Stainless Steel (ACSET)
IP WASHERS	Nylon (N) / Fibre (J) / PTFE (Z)
SERRATED WASHERS	Stainless Steel (S)

IP RATING:	IP66 & IP68 (100 metres - 7 Days) & DTS01:1991
OPERATING TEMP:	-60°C to +135°C
MATERIALS:	Brass or Stainless Steel
PLATING:	Electroless Nickel
COMPOUND:	Peppers T-1000 Sealing Compound

#### CURING TIME:

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

CERTIFICATION:

UKEX	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 II 3G Ex nR IIC Gc
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 II 3G Ex nR IIC Gc
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
EAC	PB Ex db I Mb X / 1Ex db IIC Gb X / PB Ex eb I Mb x / 1Ex eb IIC Gb X / 2Ex nR IIC Gc X Ex ta IIIC Da X
INMETRO - Brazil	Ex db I Mb / Ex eb I Mb / Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da
CCC - China	Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
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 1D Ex ta IIIC Da
CCoE - India	Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc
ECAS-Ex	Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc
ABS	Specified ABS Rules
LLOYD'S	Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
DNV	Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da

CERTIFICATION NO:

UKEX	CML 21UKEX1034X & CML 21UKEX4037X
ATEX	CML 19ATEX1171X & CML 19ATEX4114X
IECEX	IECEX CML 19.0049X
EAC	RU C-GB.AX58.B.05106/24
INMETRO - Brazil	NCC 16.0275 X
CCC - China	2021312313000426
UKRAINE	CLJ 18.0324 X
CCoE - India	PESO P494321/16 & P494321/20
ECAS-Ex	25-06-153223/E25-06-159811/NB0007
ABS	25-0158110-PDA
LLOYD'S	LR2124442TA
DNV	TAE00004XK

CABLE GLAND SELECTION TABLE  
(ALL DIMENSIONS IN mm)

Gland & Connection Size	Standard Entry Thread Size			Cable Acceptance Details [C]			Conduit Data [D]		Nominal Protusion Length [L]	Dimensions/Weight (Metric Versions)		
	Metric	NPT	Metric Thread Length [B]	Max No. of Cores	Max Ø Over Cores [C]	Max Cable Inner Sheath Ø	Typical Conduit I/D	Max Conduit O/D		Across Flats [A]	Across Corners	Weight (Kgs)
20S-1	M20 x 1.5	1/2" or 3/4"	16	9	5.0	5.0	6.2 - 7.1	11.4 - 12.9	45.0	25.4	28.0	0.180
20S-2	M20 x 1.5	1/2" or 3/4"	16	20	7.8	7.8	9.8 - 10.3	14.2 - 15.6	44.0	25.4	28.0	0.177
20-1	M20 x 1.5	1/2" or 3/4"	16	35	10.4	10.4	12.1 - 13.0	17.0 - 19.1	44.0	30.0	33.0	0.217
20-2	M20 x 1.5	1/2" or 3/4"	16	40	12.5	13.3	15.8 - 16.3	20.8 - 22.3	42.0	30.0	33.0	0.218
25-1	M25 x 1.5	3/4" or 1"	16	60	17.8	18.0	20.8 - 21.3	26.0 - 27.8	46.0	41.3	45.4	0.364
32-1	M32 x 1.5	1" or 1 1/4"	16	80	23.5	23.6	26.0 - 27.1	32.7 - 34.5	54.0	46.0	50.6	0.482
40-1	M40 x 1.5	1 1/4" or 1 1/2"	16	130	28.8	31.8	34.8 - 35.8	41.1 - 43.3	57.0	55.0	60.5	0.706
50-1	M50 x1.5	2"	16	200	35.2	37.0	40.0 - 40.6	47.3 - 49.4	66.0	65.0	71.5	0.989
63-1	M63 x 1.5	2 1/2"	19	300	48.0	48.0	50.5 - 51.9	59.4 - 61.4	67.0	80.0	88.0	1.410
75-1	M75 x 1.5	3"	19	325	59.3	59.3	62.9 - 63.9	72.1 - 74.1	67.0	98.8	108.7	1.945
75-2	M75 x 1.5	3"	19	425	60.8	68.0	77.9 - 78.7	87.8 - 90.0	67.0	104.7	115.2	2.338

NOTES

- Gland size does not necessarily equate to the entry thread size.
- All brass entry threads are Nickel Plated as standard.
- 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.

- It is the installer's responsibility to ensure that the conduit is secured correctly.
- If fit testing is required for specific conduit please contact Peppers.
- 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 UKEX, ATEX and IECEX is required, this must be clearly requested at time of enquiry / order.