

# Peppers Cable Glands Limited

Stanhope Road, Camberley, Surrey, GU15 3BT United Kingdom  
 Telephone: +44 (0) 1276 64232 • Facsimile: +44 (0) 1276 691752  
 Email: sales@peppers.co.uk • Website: www.cableglands.com



## Cable Gland Type A - (Single Compression for any Cable)

Ex d : Ex e : Ex nR : Ex tD A21 : IP66 : IP68

Part Numbers:

<b>A</b>	<b>1</b>	<b>L</b>	<b>B</b>	<b>F</b>
	<b>2</b>		<b>S</b>	
	<b>3</b>		<b>A</b>	
	<b>4</b>			



"A" 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. Commonly referred to as "stuffing glands" they provide a controlled pull resistant environmental displacement seal on the cable outer sheath, minimising damage to cables that exhibit "cold flow" characteristics. 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 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  
 NEPSI Ex d IIC / Ex e II  
 INMETRO BR - Ex d IIC / Ex e II / Ex nR II / Ex tD A21  
 ABS 1-1-4/7.7, 4-8-3/1.7, 4-8-3/13 and 4-8-4/27.5  
 MODU Rules 4-3-3/9  
 LLOYD'S Enclosure Systems (Part 1B)  
 RMRS Part XI of Rules for sea-going ships (ed.2008)

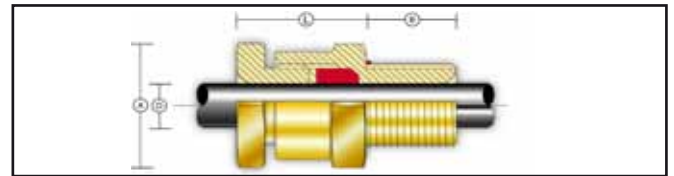
**Certificate No.** ATEX SIRA 01ATEX1272X & SIRA 09ATEX1221X  
 IECEx SIR 07.0096X  
 GOST-R POCC GB.ГБ06.В00853  
 CSA CSA 1356011  
 NEPSI GYJ06186X  
 INMETRO NCC 5879/09 X  
 ABS 09-LD463991-PDA  
 LLOYD'S 10/00056  
 RMRS 09.00784.011

**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, Stainless Steel or Aluminium

**Plating:** Nickel - Zinc



**Example Part Numbering**  
 (See below for details)

A2LBFCK1/NP/20/050NPT

<b>A</b>	Type of gland featuring controlled displacement sealing
<b>2</b>	Neoprene Seals (2) - Silicone (3) - Neoprene/Lead (1) - Silicone/Lead (4)
<b>L</b>	Peppers Lightweight Design
<b>B</b>	Brass (B) / Stainless Steel (S) / Aluminium (A)
<b>F</b>	Multiple Certification
<b>C</b>	PVC Shroud (C) - PCP Shroud (P) - LSOH Shroud (3)
<b>K or V</b>	Locknut & Nylon (K) or Fibre (V) IP Washer
<b>T</b>	Including Earth Tag
<b>S</b>	Including Serrated Washer
<b>1</b>	Quantity per kit
<b>NP</b>	Nickel Plated (NP) - Zinc Plated (ZP)
<b>20</b>	Gland shell size
<b>050NPT</b>	1/2" NPT Entry Thread

<b>Optional Accessories</b>	Locknut	Brass (ACBLN) / Stainless Steel (ACSLN)
	Earth tag	Brass (ACBET) / Stainless Steel (ACSET)
	IP Washers	Nylon (ACNSW) / Fibre (ACFSW)
	Serrated Washers	Stainless Steel (ACSSW)
	Shrouds	PVC (ACSPVC) / PCP (ACSPCP) / LSOH (ACSSIO)

### CABLE GLAND SELECTION TABLE

Gland Size	Entry Thread Size		ISO Thread Length [B]	Cable Acceptance Details		Nominal Protusion Length [L]	Dimensions/Weight (Metric Versions)			Metric Thread Shroud Size
	Metric	NPT		Outer Sheath [D]			Across Flats	Across Corners [A]	Weight Kgs	
				Min	Max					
16	M20 x 1.5	1/2" or 3/4"	16	4.0	8.4	33	25.4	28.0	0.078	L24
20S	M20 x 1.5	1/2" or 3/4"	16	7.2	11.7	33	25.4	28.0	0.101	L24
20	M20 x 1.5	1/2" or 3/4"	16	9.4	14.0	33	30.0	33.0	0.127	L30
25	M25 x 1.5	3/4" or 1"	16	13.5	20.0	33	37.6	41.4	0.166	L38
32	M32 x 1.5	1" or 1 1/4"	16	19.5	26.3	33	46.0	50.6	0.244	L46
40	M40 x 1.5	1 1/4" or 1 1/2"	16	23.0	32.2	37	55.0	60.5	0.396	L55
50S	M50 x 1.5	1 1/2" or 2"	16	28.1	38.2	37	65.0	71.5	0.558	L65
50	M50 x 1.5	2"	16	33.1	44.1	37	65.0	71.5	0.438	L65
63S	M63 x 1.5	2" or 2 1/2"	19	39.2	50.1	37	80.0	88.0	0.832	L80
63	M63 x 1.5	2 1/2"	19	46.7	56.0	37	80.0	88.0	0.664	L80
75S	M75 x 1.5	2 1/2" or 3"	19	52.1	62.0	37	90.0	99.0	0.924	L90
75	M75 x 1.5	3"	19	58.0	68.0	37	90.0	99.0	0.714	L90
80	M80 x 2	3" or 3 1/2"	25	62.2	72.0	50	104.0	115.2	1.514	L104
85	M85 x 2	3" or 3 1/2"	25	69.0	78.0	50	104.0	115.2	1.332	L104
90	M90 x 2	3 1/2" or 4"	25	74.0	84.0	50	114.0	125.7	1.622	L114
100	M100 x 2	3 1/2" or 4"	25	82.0	90.0	50	114.0	125.7	1.523	L114

All dimensions in mm

Notes:

- \* Gland size does not necessarily equate to the entry thread size. Gland size 16 is also available with an M16 x 1.5 entry thread.
- \* 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.
- \* Peppers supplies 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.
- \* All gland kits supplied with silicone seals will include a PTFE IP washer in order to maintain the temperature range.