

Cable Gland Type A

(Single Compression for any Cable)

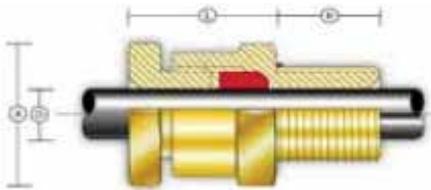
Ex d : Ex e : Ex nR : Ex tD A21 : IP66 : IP68

Part Numbers:	A	1	L	B	F
		2		S	
		3		A	
		4			

"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.

Example Part Numbering: **A2LBFCK1/NP/20/050NPT**

See below for details



A	Type of gland featuring controlled displacement sealing
2	Neoprene Seals (2) - Silicone (3) - Neoprene/Lead (1) - Silicone/Lead (4)
L	Peppers Lightweight Design
B	Brass (B) / Stainless Steel (S) / Aluminium (A)
F	Multiple Certification
Options	C PVC Shroud (C) - PCP Shroud (P) - LSOH Shroud (3)
	K or V Locknut & Nylon (K) or Fibre (V) IP Washer
	T Including Earth Tag
	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)
	Serrated Washers	Stainless Steel (ACSSW)
	Shrouds	PVC (ACSPVC) / PCP (ACSPCP) / LSOH (ACSSIO)

Compliance	EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 61241-0, EN 61241-1	
Standard:	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 09AT-EX1221X
	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	

CABLE GLAND SELECTION TABLE

Gland Size	Entry Thread Size		ISO Thread Length [B]	Cable Acceptance Details		Nominal Protrusion Length [L]	Dimensions/Weight (Metric)			Metric Thread Shroud Size
	Metric	NPT		Cable 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.