

Cable Gland Type A - (Single seal Gland designed for use with Unarmoured Cable)

Ex d : Ex e : Ex nR : Ex ta : IP66 : IP68
 Class I Div 2 : AEx e : AEx ta

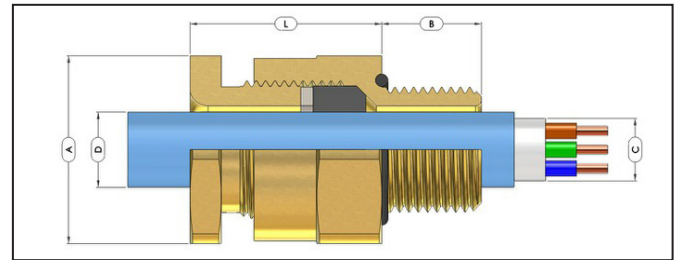
Part Numbers:

A	1	L	B	F
	2		S	E
	3		A	
	4			



"A" type glands are certified Flameproof Ex d, Increased Safety Ex e, Restricted Breathing Ex nR 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. 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 50 metres. 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 Standards:	EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31 IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31 & IEC 60529 C22.2 (see certificate), CAN/CSA 60079-0/1/7, UL514B, UL1203, UL2225, UL50E, ANS/UL 60079-0/7, ISA 60079-31
Certification:	ATEX II 1D 2G Ex d IIC Gb / Ex e IIC Gb / Ex ta IIIC Da II 3G Ex nR IIC Gc IECEx Ex d IIC Gb / Ex e IIC Gb / Ex ta IIIC Da CEC - Canada Class I Zone 1 Ex d IIC / Ex e II (except size 12) Class I Division 2, Groups A, B, C & D Class II Division 1, Groups E, F & G Class III, Enclosure Type 4X NEC - USA Class I Zone 1 AEx e IIC Gb / Class II Zone 20 AEx ta IIIC Da Class I Division 2, Groups A, B, C & D Class II Division 1, Groups E, F & G Class III, Enclosure Type 4X EAC Exd IICU / Exe IIU / ExnR IIU INMETRO - Brazil Ex d IIC Gb / Ex e IIC Gb / Ex ta IIIC Da / Ex nR IIC Gc SAC - China Ex d IIC / Ex e IIC UKRAINE Ex d IIC X / Ex e II X CCoE Petroleum Rules 2002 (PESO) ABS Specified ABS Rules LLOYD'S Enclosure Systems (Part 1B) RMRS Part XI of RS Rules for the classification & construction of sea-going ships (ed. 2014)
Certificate No.	ATEX SIRA 01ATEX1272X & SIRA 09ATEX1221X IECEx IECEx SIR 07.0096X CEC - Canada CSA 1356011 NEC - USA CSA 2627370 EAC RU C-GB.F606.B.00098 INMETRO - Brazil NCC 13.2012 X SAC - China NEPSI GYJ16.1399X UKRAINE UA.TR.047.C.0408-13 & 2937 CCoE - India PESO P365300/2 & P365300/5 ABS 14-LD463991-1-PDA LLOYD'S 10/00056(E1) RMRS 14.02755.315
IP Rating:	IP66 & IP68 (50 metres - 7 Days), Type 4X
Operating Temperature:	Neoprene Seals -35°C to +90°C / Silicone Seals -60°C to +180°C
Materials:	Aluminium, Brass or Stainless Steel
Plating:	Electroless Nickel



Example Part Numbering

(See below for details)

A2LBF/NP/20/M20

A	Type of gland featuring controlled displacement sealing
L	Neoprene Seals (2) - Silicone (3) - Neoprene/Lead (1) - Silicone/Lead (4)
2	Peppers Standard Designation
B	Aluminium (A) / Brass (B) / Stainless Steel (S)
F	Multiple Certification
C	PVC Shroud (C) - PCP Shroud (P) - Silicone LSOH Shroud (3)
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	Gland shell size
M20	M20 x 1.5mm Male Entry Thread
Optional Accessories	Locknut Brass (ACBLN) / St Steel (ACSLN) / Aluminium (ACALN) Earth tag Brass (ACBET) / St Steel (ACSET) / Aluminium (ACAE) IP Washers Nylon (ACNSW) / Fibre (ACFSW) / PTFE (ACPSW) Serrated Washers Stainless Steel (ACSSW) Shrouds PVC (ACSPVC) / PCP (ACSPCP) / Silicone LSOH (ACSSIO)

CABLE GLAND SELECTION TABLE

Gland Size	Entry Thread Size		ISO Thread Length [B]	Cable Acceptance Details		Nominal Protrusion Length [L]	Dimensions/Weight (Metric Versions)			Shroud Size
	Metric	NPT		Outer Sheath [D]			Across Flats [A]	Across Corners	Weight Kgs	
				Min	Max					
12	M12 x 1.5	3/8"	16	0.9	6.0	33	19.0	21.0	0.038	L19
12	M16 x 1.5	3/8" or 1/2"	16	0.9	6.0	33	25.4	28.0	0.068	L24
12	M20 x 1.5	3/8" or 1/2"	16	0.9	6.0	33	25.4	28.0	0.082	L24
16	M16 x 1.5	3/8" or 1/2"	16	4.0	8.4	33	25.4	28.0	0.097	L24
16	M20 x 1.5	1/2" or 3/4"	16	4.0	8.4	33	25.4	28.0	0.104	L24
20S	M20 x 1.5	1/2" or 3/4"	16	7.2	11.7	33	25.4	28.0	0.102	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 2.0	3" or 3 1/2"	25	62.2	72.0	50	104.0	115.2	1.514	L104
85	M85 x 2.0	3" or 3 1/2"	25	69.0	78.0	50	104.0	115.2	1.332	L104
90	M90 x 2.0	3 1/2" or 4"	25	74.0	84.0	50	114.0	125.7	1.622	L114
100	M100 x 2.0	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.
 - * The IP O-ring seal is only available on metric entry threads. IP washers can be supplied for tapered entry threads.
 - * 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 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 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.
 - * Where approval in addition to ATEX, IECEx and CSA is required, this must be clearly requested at time of enquiry / order.