EXAMPLE PART NUMBERING

"A\*LCH\*\*" type glands are certified Flameproof Ex db, Increased Safety Ex eb, 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. The gland features an extended tail for connection of suitable hose.

**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

UKEX II 1D 2G Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da

ATEX II 1D 2G Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da

II 3G Ex nR IIC Gc

II 3G Ex nR IIC Gc

Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIC Da **IECE**x

FAC 1Ex db IIC Gb X / 1Ex eb IIC Gb X / 2Ex nR IIC Gc X / Ex ta IIIC Da X

INMETRO - Brazil Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da / Ex nR IIC Gc Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIC Da CCC - China

II 2G Ex db IIC Gb / II 2G Ex eb IIC Gb / II 3G Ex nR IIC Gc / II 1D Ex ta IIIC Da UKRAINE

Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIC Da CCoE - India Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIC Da ECAS-E

ABS Specified ABS Rules

Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da LLOYD'S DNV Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da

UKEX CML 21UKEX1032X & CML 21UKEX4043X ATEX CML 19ATEX1345X & CML 19ATEX4109X

IECEx CML 19.0103X **IECE**x RU C-GB.AЖ58.B.05106/24

INMETRO - Brazil NCC 13.2012 X 2021312313000408 CCC - China

UKRAINE СЦ 18.0325 Х

CCoE - India PESO P494321/6 & P494321/13

ECAS-Ex 25-06-153223/E25-06-159811/NB0007 ABS 25-0158110-PDA

LLOYD'S I R2124442TA TAE00004XK DNV

PRODUCT TYPE A\*LCH

A2LCHBF/NP/20-1/M20 Gland featuring controlled displacement sealing Neoprene Seals (2) - Silicone (3) - Neoprene/Lead (1) - Silicone/Lead (4) LCH Fixed Hose Connection Aluminium (A) / Brass (B) / Stainless Steel (S) Multiple Certification K-V-H Locknut & Nylon (K), Fibre (V) or PTFE (H) IP Washer Including Earth Tag Including Serrated Washer NP Nickel Plated

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

M20 x 1.5mm Male Entry Thread

IP66 & IP68 (50 metres - 7 days)
Neoprene Seals -35°C to +90°C
Silicone Seals -60°C to +180°C
Aluminium, Brass or Stainless Steel
Electroless Nickel

Gland & Connector Size	Entry Thread Size		Metric Thread Length	Cable Acceptance Details Outer Sheath [D]		Typical Hose Diameter	Nominal Protrusion	Dimensions/Weight (Metric)		
	Metric	NPT	[B]	Min	Max	I/D	Length [L]	Across Flats [A]	Across Corners	Weight (Kgs)
12-1*	M12 x 1.5	3/8"	16	0.9	6.0	16.0	26	19.0	20.9	0.051
12-2*	M16 x 1.5	3/8" or 1/2"	16	0.9	6.0	16.0	25	25.4	28.0	0.092
16-1	M16 x 1.5	3/8" or 1/2"	16	4.0	8.4	16.0	30	25.4	28.0	0.118
20S-1	M20 x 1.5	1/2" or 3/4"	16	7.2	11.7	16.0	35	25.4	28.0	0.122
20S-2	M20 x 1.5	1/2" or 3/4"	16	7.2	11.7	19.2	35	25.4	28.0	0.142
20-1	M20 x 1.5	1/2" or 3/4"	16	9.4	14.0	19.2	35	30.0	33.0	0.159
25-1	M25 x 1.5	3/4" or 1"	16	13.5	20.0	25.5	35	37.6	41.4	0.247
25-2	M25 x 1.5	3/4" or 1"	16	13.5	20.0	31.9	35	37.6	41.4	0.339
32-1	M32 x 1.5	1" or 1 1/4"	16	19.5	26.3	31.9	35	46.0	50.6	0.339
40-1	M40 x 1.5	1 1/4" or 1 1/2"	16	23.0	32.2	38.2	38	55.0	60.5	0.537
50S-1	M50 x 1.5	1 ½" or 2"	16	28.1	38.2	50.9	38	65.0	71.5	0.768
50-1	M50 x 1.5	2"	16	33.1	44.1	50.9	38	65.0	71.5	0.710
63S-1	M63 x 1.5	2" or 2 ½"	19	39.2	50.1	63.6	38	80.0	88.0	1.218
63-1	M63 x 1.5	2 ½"	19	46.7	56.0	63.6	38	80.0	88.0	1.122
75S-1	M75 x 1.5	2 1/2"	19	52.1	62.0	76.3	38	90.0	99.0	1.557
75-1	M75 x 1.5	3"	19	58.0	68.0	76.3	38	90.0	99.0	1.472
80-1	M80 x 2.0	3" or 3 ½"	25	62.2	72.0	76.3	50	104.0	115.2	1.920

CABLE GLAND SELECTION TABLE (ALL DIMENSIONS IN mm)

- · 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 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.
- · 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.
- · It is the installer's responsibility to ensure that the flexible conduit is secured correctly.
- If fit testing is required for specific hosing please contact Peppers
- Where approval in addition to UKEX, ATEX and IECEx is required, this must be clearly requested at time of enquiry / order.
- \* Gland sizes 12 not available in aluminium