



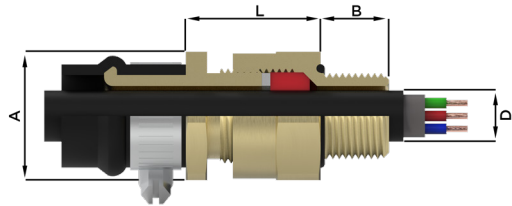
PRODUCT TYPE A*LCH

Single seal gland featuring a Hose Connection

Ex db : Ex eb : Ex nR : Ex ta : IP66 : IP68

PART NUMBERS:

| | | | | |
|---|---|-----|---|---|
| A | 1 | LCH | B | F |
| | 2 | | S | |
| | 3 | | A | |
| | 4 | | | |



EXAMPLE PART NUMBERING:
AZLCHBF/NP/20-1/M20

| | |
|--------------|---|
| A | Gland featuring controlled displacement sealing |
| 2 | Neoprene Seals (2) - Silicone (3) - Neoprene/Lead (1) - Silicone/Lead (4) |
| LCH | Fixed Hose Connection |
| B | Aluminium (A) / Brass (B) / Stainless Steel (S) |
| F | Multiple Certification |
| 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 shell size |
| M20 | M20 x 1.5mm Male Entry Thread |

OPTIONAL ACCESSORIES:

| | |
|-------------------------|---|
| LOCKNUT | Brass (ACBLN) / Stainless Steel (ACSLN) / Aluminium (ACALN) |
| EARTH TAG | Brass (ACBET) / Stainless Steel (ACSET) / Aluminium (ACAET) |
| IP WASHERS | Nylon (ACNSW) / Fibre (ACFSW) / PTFE (ACPSW) |
| SERRATED WASHERS | Stainless Steel (ACSSW) |

| | |
|------------------------|---|
| IP RATING: | IP66 & IP68 (50 metres - 7 days) |
| OPERATING TEMP: | Neoprene Seals -35°C to +90°C Silicone Seals -60°C to +180°C |
| MATERIALS: | Aluminium, Brass or Stainless Steel |
| PLATING: | Electroless Nickel |

PRODUCT DESCRIPTION

"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. 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

CERTIFICATION:

| | |
|-------------------------|--|
| ATEX | II 1D 2G Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIC Da II 3G Ex nR IIC Gc |
| IECEx | Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIC Da |
| EAC | 1Ex d IIC Gb X / 1Ex e 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 |
| SAC - China | Ex d IIC Gb / Ex e IIC Gb |
| UKRAINE | II 2G Ex db IIC Gb / II 2G Ex eb IIC Gb / II 3G Ex nR IIC Gc / II 1D Ex ta IIIC Da |
| CCoE - India | Ex d IIC Gb (Zone 1) / Ex e IIC Gb (Zone 2) / Ex nR IIC Gc (Zone 2) Specified |
| ABS | Specified ABS Rule |
| LLOYD'S | Ex d IIC Gb / Ex e IIC Gb / Ex nR IIC Gc / Ex ta IIC Da |
| RS - Russia | Ex d IC / Ex d IIC / Ex e IC / Ex e IIC / Ex ta IIC / Ex tb IIC |

CERTIFICATION NO:

| | |
|-------------------------|-----------------------------------|
| ATEX | CML 19ATEX1345X & CML 19ATEX4109X |
| IECEx | IECEx CML 19.0103X |
| EAC | RU C-GB.BH02.B.00693-18 |
| INMETRO - Brazil | NCC 13.2012 X |
| SAC - China | NEPSI GYJ16.1399X |
| UKRAINE | CLJ 18.0325 X |
| CCoE - India | PESO P365300/2 & P365300/5 |
| ABS | 14-LD463991-1-PDA |
| LLOYD'S | 10/00056(E1) |
| RS - Russia | 19.00189.278 |

CABLE GLAND SELECTION TABLE
(ALL DIMENSIONS IN mm)

| Gland & Connector Size | Entry Thread Size | | Metric Thread Length [B] | Cable Acceptance Details Outer Sheath [D] | | Typical Hose Diameter I/D | Nominal Protusion Length [L] | Dimensions/Weight (Metric) | | |
|------------------------|-------------------|------------------|--------------------------|---|------|---------------------------|------------------------------|----------------------------|----------------|--------------|
| | Metric | NPT | | Min | Max | | | 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 1/2" 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 1/2" | 19 | 39.2 | 50.1 | 63.6 | 38 | 80.0 | 88.0 | 1.218 |
| 63-1 | M63 x 1.5 | 2 1/2" | 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 1/2" | 25 | 62.2 | 72.0 | 76.3 | 50 | 104.0 | 115.2 | 1.920 |

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 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 ATEX, IECEx and CSA is required, this must be clearly requested at time of enquiry / order.