

A2F-R

Ex db I/IIC, Ex eb I/IIC, Ex ta IIIC, Ex nR IIC **COMPRESSION GLAND for Unarmoured Cable**

Features and Benefits

- Passes the IECEx / UKEX / ATEX 100% pull test, so no additional cable clamping is required
- For indoor, outdoor, Group I,II,III, Zone 1, 2, 20, 21 and 22 hazardous areas
- Fitted with a specially formulated elastomeric displacement seal, giving superior cable retention, explosion protection and IP rating
- Precision manufactured from high quality brass (Marine Grade Electroless Nickel Plated™) available in aluminium or stainless steel 316/316L on request. (Note: Aluminium not suitable for Group I applications.)

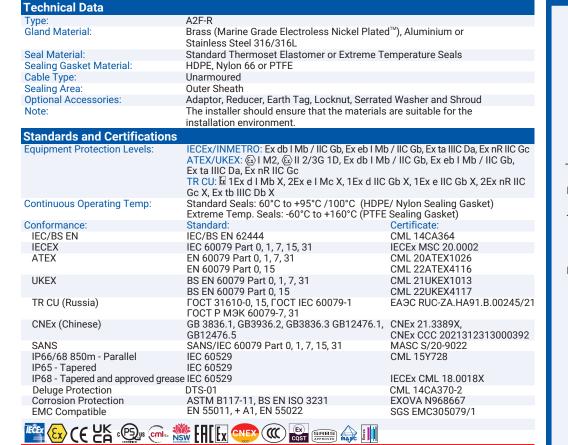
Supplied with a thread sealing gasket (parallel threads only).





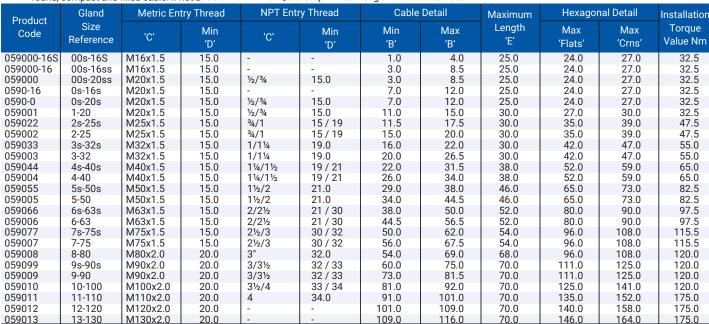








Note: According to IEC 60079-14, 10.6.2: An Ex d gland will only maintain Ex d integrity when used with substantially round, compact and filled cable. If not a CCG VORTEx® or QuickStop-Ex® barrier gland should be used



All dimensions except NPT are in mm. Intermediate thread sizes are available on request. NPT threads should be tightened 'wrench tight'.

FITTING INSTRUCTIONS

Metric Illustration

A2F-R COMPRESSION GLAND

ENCLOSURES AND EQUIPMENT TO WHICH CABLE GLANDS ARE FITTED:-

- Must be made from materials which are compatible with the cable gland materials.
 Have a sealing area around the cable gland entry point with a surface roughness < Ra 6.3 um
- · Have entries that are perpendicular to the enclosure face in the area where the cable gland will seal to within 2.5°
- Are sealed using the supplied sealing gasket (parallel threads) or by fully tightening into a threaded entry (tapered threads). Note that for tapered threads the IP rating can be improved to IP68 with the use of a suitable thread sealant.

MUST HAVE THREADED ENTRIES

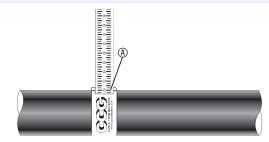
· The same thread as the cable gland. (Thread adaptors should be used to correct any

mismatch).

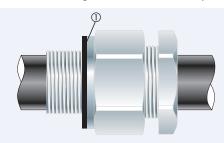
- With a thread tolerance of metric class '6H' or equivalent.
- Where the thread length is a minimum of 10mm for Ex d applications or 3mm for all other applications.

OR CLEARANCE HOLES (not Ex d)

- Where the hole size is the thread nominal size with a tolerance of +0.1 to +0.7mm. (e.g. the clearance hole for an M20 thread will have a diameter between 20.1mm and 20.7mm).
- · Through material that is between 1mm and 12mm thick. (Thicker materials can be accommodated using glands with extended entry threads.)

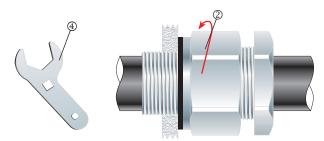


For accurate sizing, use a CCG Dimension Tape (A) on the outer cable sheath.



2. To maintain IP66/68, ensure the gasket ${\mathfrak Q}$ is in place.

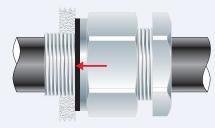
If the gland has NPT entry threads fitted to a threaded entry then IP68 (2m) can be achieved by applying one of the following tested and approved grease types to the thread: Renolit Lubrene CA700 or LX220 EP2, Renolit LC-WP2 or Moly LX2, or Dow Corning 4 Electrical Compound.



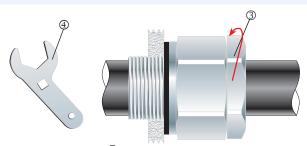
Screw the inner ② into the apparatus. Tighten the inner ② to the installation torque using a CCG Spanner 4



If the apparatus is untapped use a locknut.



Pass the cable end through the gland assembly.



Tighten the outer nut ③ to the installation torque using a CCG Spanner ④ to produce a seal and grip on the cable. 100% Cable retention load. No additional clamping required.

You Tube Instruction Video: http://youtu.be/3Mo-Utop3AY