CCG CABLE TERMINATIONS

RE-FLEx™

Ex db IIC, Ex eb IIC, Ex ta IIIC

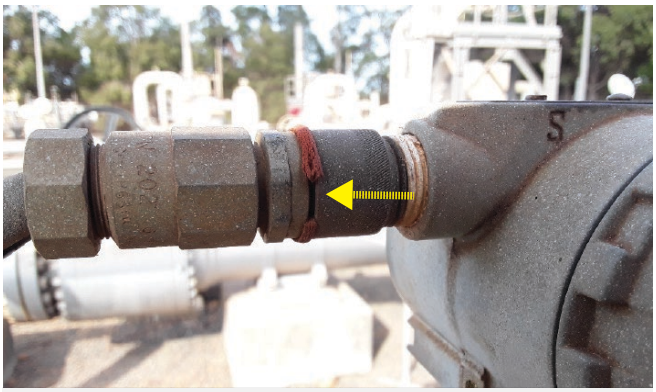
CABLE GLAND ENTRY THREAD GASKET REPLACEMENT SEAL for industrial and hazardous area installations

Features and Benefits

The legacy of certain cable gland manufacturers supplying thread sealing gaskets as accessories and not supplying them as an integral properly tested part of an Ex certified cable gland has resulted in many cable gland installations having failed or missing thread sealing gaskets.

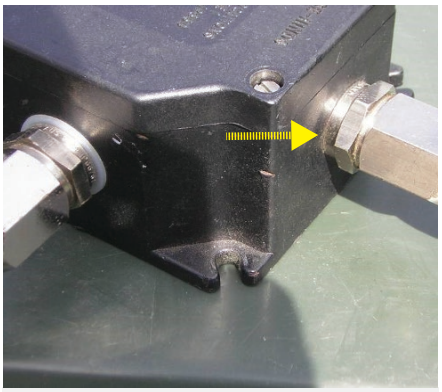
This results in the IP rating and the Ex integrity of the equipment the gland is attached to being compromised, sometimes with serious consequences.

CCG's RE-FLEx™ thread gasket replacement system is used to replace substandard, failed, or damaged cable gland thread sealing gaskets, (Picture 1 and Picture 2) or to retrofit as a thread entry seal where a sealing gasket was not originally supplied and installed as part of the gland. (Picture 3)



Picture 1

Picture 2

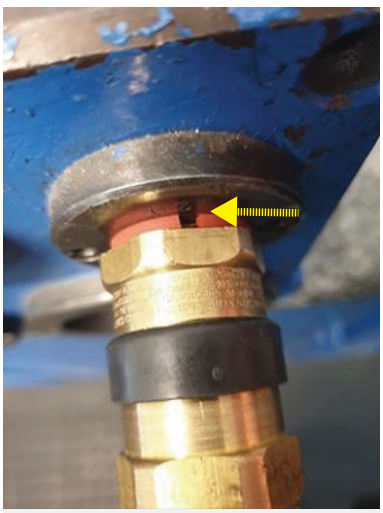


Picture 3

WARNING: Conduct a risk assessment and if necessary isolate power to the installation before commencing with the installation process.

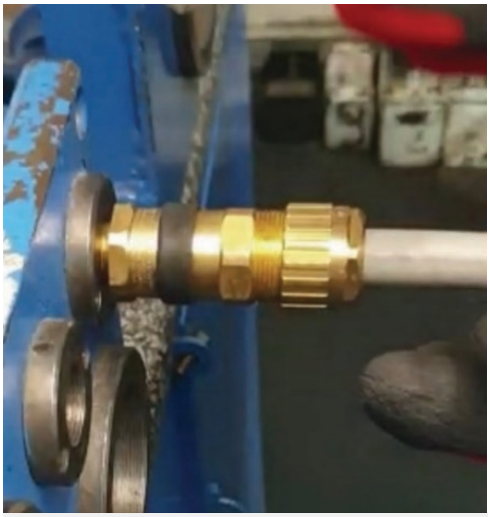
When a gland with a failed gasket (Picture 4) is installed in a threaded entry, the installer must remove the failed thread sealing gasket (Picture 5), which would leave a gap of approximately 2mm between the gland and the face of the enclosure (Picture 6). Or in the case of a gland that was not fitted with a gasket, such as (Picture 3), the gland would have to be loosened by about 1 ½ turns in a tapped entry or the internal locknut would need to be loosened to create a 2mm gap between the gland and the enclosure wall in the case of a untapped entry.

The installer must make sure to remove as much of the failed gasket's debris from the gap as possible.



Picture 4

Picture 5



Picture 6

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Entry Thread Size	Flex Cord Length
M20	450 mm
M25	750 mm
M32	1100 mm
M40	1700 mm

Product Code	Thickness	Length
520150	1mm	50m

1. Cut a length of the RE-FLEx sealing cord according to the gland entry thread size as per the table above.

Picture 7

Picture 8

Picture 9

2. Holding a small length of flex cord on the top of the gland with a thumb (Picture 8), start to tightly wind the cord in an anti-clockwise motion completely filling the gap between the gland and the enclosure wall face until the wound cord reaches the outer diameter of the gland body. (Picture 9)

Picture 10

Picture 11

RE-FLEx™

cord has been tested for use with cable glands certified to;

- IP 66/68

and

- Ex d, Ex e, Ex nR and Ex t
- Certificates:
- IECEx CML 18.0018X
- CML 21UKEX1011X
- CML 16ATEX1001X
- MASC S/22-9001X
- Temp. Range: -268°C to +260°C

3. Re-tighten the gland to the gland manufacturers recommended installation torque in Nm (Picture 10) to compress the cord and seal the thread entry.

4. When the gland is fitted to a clearance hole with a locknut, the same process can be used to install the cord, however in this case, the gland is held stationary and the securing locknut will have to be tightened from inside the enclosure.

5. You will now have a perfect IP 66/68 thread gasket seal between the gland body and the enclosure face. (Picture 11)

YouTube Instruction Video: https://youtu.be/QzvfkACpyPw

YouTube Instruction Video: https://youtu.be/Avar0j807ME