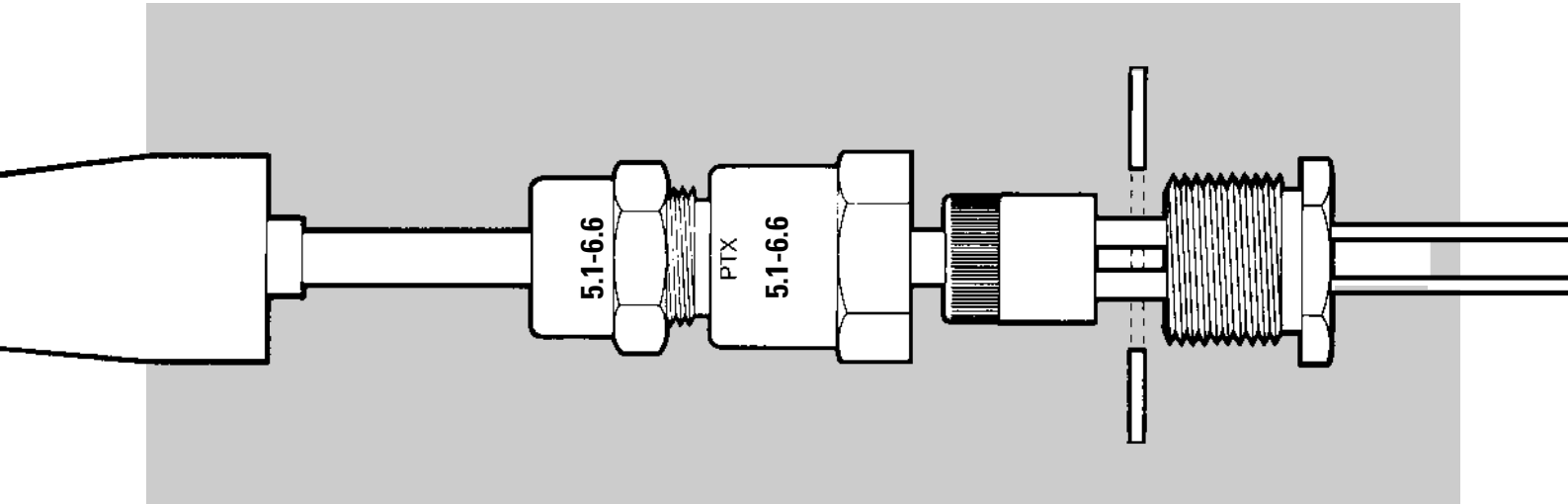


Publication Number IR 241 Republished October 2003

Installation Recommendation for Pyrotenax Space-Ranger Gland



When terminating Pyro E cables into plain hole accessory boxes it is frequently found that the gland and seal protrude into the box and prevent the fitting of the accessory.

The Pyrotenax **SPACE-RANGER** Gland has been specifically designed to overcome this problem and in addition has the advantage that only two glands are necessary to accommodate the full range of Pyro E 2, 3 and 4 core light duty cables (those utilising 20mm size terminations).

As the gland is range taking, it is not marked with a cable reference in the usual way but is stamped with the range of cable diameters for which it is suitable.

It is important to note that the procedure for tightening the backnut is different to that employed for the standard gland, Ref RGM 20 - See Instruction No.6.

SPECIFICATION

The gland complies with British Standard BS EN 60702-2 (Terminations for Mineral Insulated Cables)

This gland is not suitable for use with flameproof equipment (type of protection 'd') as it is designed to fit into plain hole entry boxes and is fixed using a standard 20mm male.

GLAND ORDERING REFERENCE

RGU 5166 20 - For cable sizes

2L1, 2L1.5, 2L2.5, 3L1, 3L1.5, 4L1

for cables with diameters
5.1 - 6.6mm inclusive

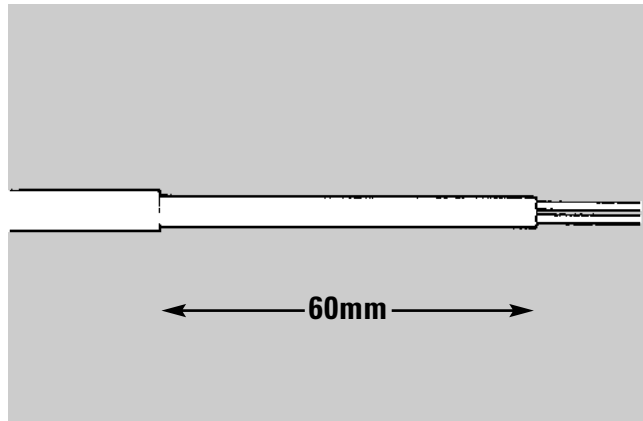
RGU 6787 20 - For cable sizes

2L4, 3L2.5, 4L1.5, 4L2.5

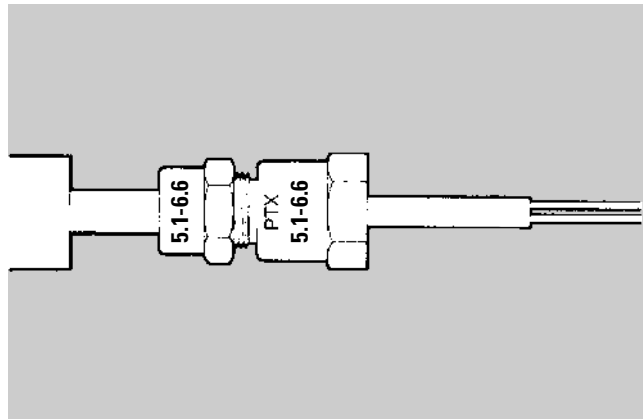
for cables with diameters
6.7 - 8.7mm inclusive

Fiting Instructions

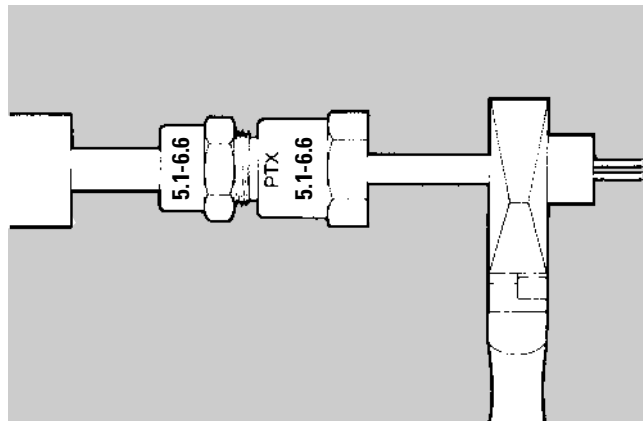
1. Strip the cable sheath in the usual manner to obtain the required length of conductor (the recommended methods of stripping are shown in our Installation Recommendation No. IR 200). If the cable being used has a corrosive resistant protective outer covering this should be removed for an extra 60mm and at this stage the gland shroud should be fitted.



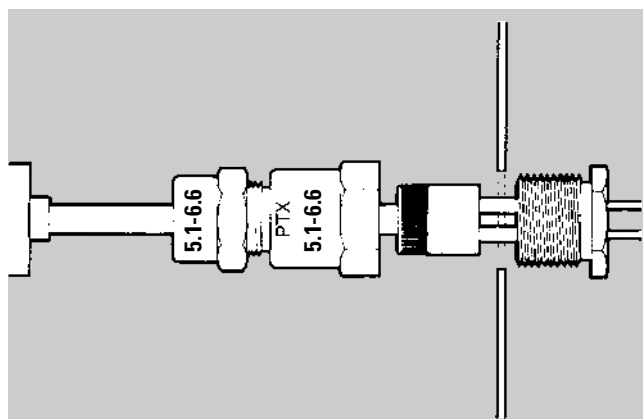
2. Slide the complete **SPACE-RANGER** Gland on to the cable sheath. **(It is not necessary to dismantle the gland).**



3. Fit the cable seal in the usual way. (Installation Recommendation No. IR 200 details this procedure). It should be noted that the pot must be screwed onto the cable using the ZRP Pyro Wrench or pliers, the ZPM Pyro Potter cannot be used with the Space-Ranger gland

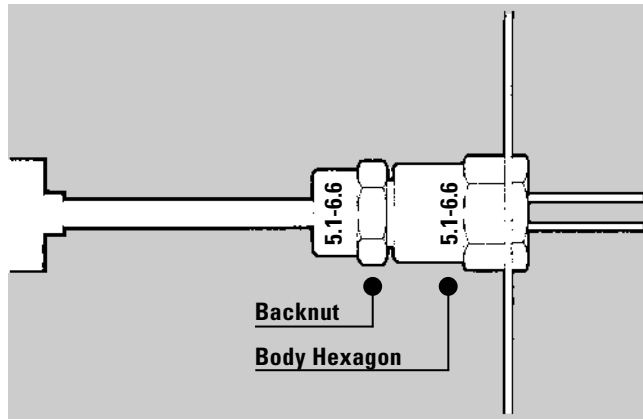


4. Assemble the completed termination into the box entry using the standard 20mm male brass bush supplied.



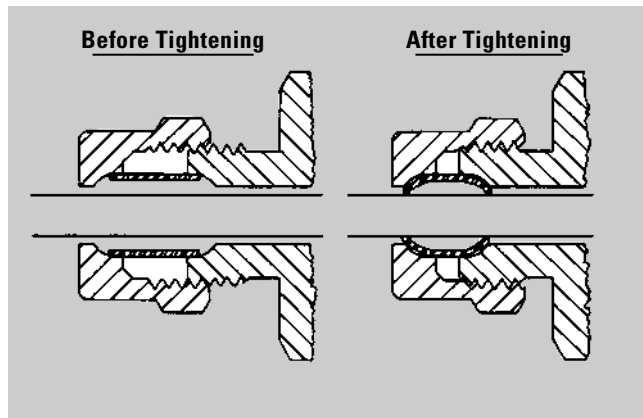
Fiting Instructions

5. Grip the male bush and screw the gland into it. Tighten the gland into the bush by using a spanner on the hexagon of the gland body.



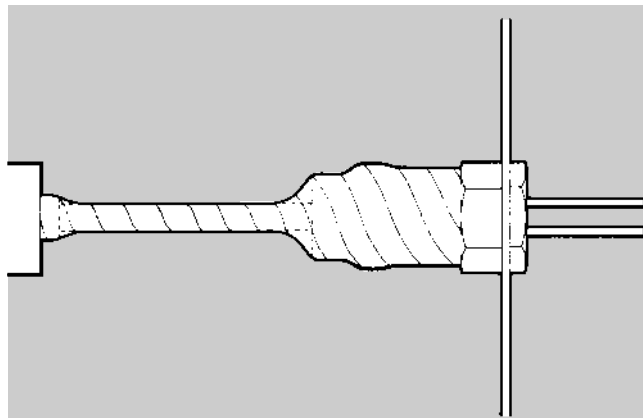
6. Ensure that the pot is correctly located in the gland and fully tighten the backnut to swage down the compression sleeve into firm contact with the cable sheath.

Note: Due to the range taking capability of this gland considerably more rotation of the backnut is necessary than with the standard Pyrotenax Gland. Depending on cable size 1 - 2½ full turns will normally be required after hand tightening.

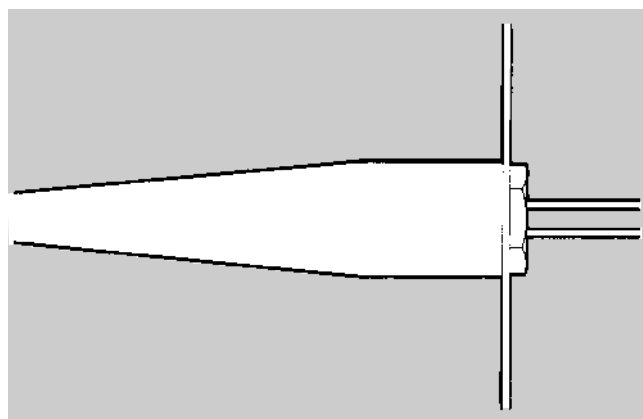


7. When the cable being used has a corrosion protective covering the exposed copper sheath and the backnut of the gland should be taped before the fitting of the gland shroud.

It is recommended that a PVC adhesive insulation tape be used having a colour to match the cable corrosion protective covering.



8. The assembly is now **completed by sliding the shroud into position over the gland.**



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Tyco Thermal Controls UK Limited
3 Rutherford Road, Stephenson
Industrial Estate, Washington,
Tyne & Wear NE37 3HX,
United Kingdom.
Tel: +44 (0) 191 419 8200
Fax: +44 (0) 191 419 8201
www.tycothermal.com

Tyco Thermal Controls Canada Limited
250 West Street, Trenton, Ontario,
Canada K8V 5S2.
Tel: (1) 613-392-6571
Fax: (1) 613-392-3999

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