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Compression Ring Type Glands

For use with all Pyrotanax Mineral Insulated Cables - Safe Use and Fitting Instructions

CERTIFICATE No Baseefa 03ATEX0347X

CODE  **II 2GD** **EEx d IIC**

Example Reference: Cable type followed by and gland thread e.g. 2LI.5 20
2 conductor Light duty cable with 1.5mm conductors 20mm ISO metric thread

NOTE: For certain Heavy Duty cables the gland size increases when Pyrotanax Earth Tail Seals are fitted

The following instructions apply to all Brass and Stainless Steel Ring Type Glands for use in Hazardous Area Applications assessed to BS EN 50014: 1998 & BS EN 50018: 2000 and compliance with ATEX Directive 94/9/EC.

- 1 The Compression Ring Type Glands are supplied with the components assembled to fit the cable sizes as indicated on the Gland Nut.
- 2 Compression Ring Type Gland components for different sizes of cable **must not** be mixed.
- 3 The Compression Ring Type Gland is **only** certified for use on the cable sizes as indicated on the Gland Nut.
- 4 Where the lead-in thread is not ISO Metric the thread form and size is indicated on one of the hexagonal flats of the gland body.
- 5 The same metal is used for all three parts of the Compression Ring Type Glands. Brass and Stainless Steel gland components **must not** be mixed.
- 6 The Compression Ring Type Glands may be used with apparatus group II dust and flammable gases and dust in an ambient temperature range -60°C to 250°C.
- 7 The Compression Ring Type Glands are certified only for use in the ambient temperature range indicated above and shall not be used outside this range.
- 8 Installation shall be carried out by suitably trained personnel in accordance with the applicable code of practice e.g. EN 60079-14:1997
- 9 Inspection and maintenance of this equipment shall be carried out by suitably trained personnel in accordance with the applicable code of practice e.g. EN 60079-17:1997
- 10 Repair of this equipment shall be carried out by suitably trained personnel in accordance with the applicable code of practice e.g. EN 60079-17:1997.
- 11 If the Compression Ring Type Glands are likely to come into contact with aggressive substances, then it is the responsibility of the user to take suitable precautions to prevent them being adversely affected. It is essential to replace any covering removed to facilitate termination, by wrapping over the exposed gland and cable sheath with two full half laps up to the entry position. This is then covered by the gland shroud. (Corrosive environments /aggressive substances e.g. acidic liquids or gases).
- 12 Sealing washers must not be used with Compression Ring Type Glands. If there is a requirement to seal the thread then only an approved, non setting sealing compound must be used.



Cable Size and Diameter			
Wiring Cable Size	Bare Cable Diameter (mm)	Thermocouple, Heating and allied Cable Sizes	Bare Cable Diameter
2L1	5.1	xxxxB10	1.0mm
2L1.5	5.7	xxxxB15	1.5mm
2L2.5	6.6	xxxxB20	2.0mm
2L4	7.7	xxxxB30	3.0mm
3L1	5.8	xxxxB45	4.5mm
3L1.5	6.4	xxxxB55	5.5mm
3L2.5	7.3	xxxxB60	6.0mm
4L1	6.3	xxxxB80	8.0mm
4L1.5	7.0	xxxxB108	10.8mm
4L2.5	8.1		
7L1	7.6	xxxxB040	0.040 inch
7L1.5	8.4	xxxxB062	0.062 inch
7L2.5	9.7	xxxxB125	0.125 inch
1H2.5	5.3	xxxxB188	0.188 inch
1H6	6.4	xxxxB250	0.250 inch
1H10	7.3	xxxxB375	0.375 inch
1H16	8.3	xxxxB500	0.500 inch
1H25	9.6		
1H35	10.7	xxxxT10	1.0mm
1H50	12.1	xxxxT15	1.5mm
1H70	13.7	xxxxT20	2.0mm
1H95	15.4	xxxxT30	3.0mm
1H120	16.8	xxxxT45	4.5mm
1H150	18.4	xxxxT60	6.0mm
1H185	20.4	xxxxT80	8.0mm
2H1.5	7.9		
2H2.5	8.7	xxxxT040	0.040 inch
2H4	9.8	xxxxT062	0.062 inch
2H6	10.9	xxxxT125	0.125 inch
2H10	12.7	xxxxT188	0.188 inch
2H16	14.7	xxxxT250	0.250 inch
2H25	17.1	xxxxT375	0.375 inch
3H1.5	8.3	xxxxT500	0.500 inch
3H2.5	9.3		
3H4	10.4	xxxL49	4.9mm
3H6	11.5	xxxA49	4.9mm
3H10	13.6	xxxL61	6.1mm
3H16	15.6	xxxA61	6.1mm
3H25	18.2		
4H1.5	9.1	SC1H2.5	5.3mm
4H2.5	10.1	DC1H2.5	5.3mm
4H4	11.4	SC1H6	6.4mm
4H6	12.7	DC1H6	6.4mm
4H10	14.8		
4H16	17.3	SC2H2.5	6.6mm
4H25	20.1	DC2H2.5	6.6mm
7H1.5	10.8		
7H2.5	12.1		

Fitting Instructions

- Slide the complete ring type gland onto the cable sheath before terminating the cable.
- Assemble the completed termination into the terminal box entry.
- Secure the gland body into the equipment by screwing it into a threaded entry by means of a spanner on the hexagon of the gland body.
- Locate the seal pot in the desired position and fully tighten the back nut to swage down the compression ring onto the cable sheath. This secures the cable into the application.

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