

The cable gland and sealing ring sizes are determined by the entry thread and cable range take sizes:

Gland Size	Entry Thread		Cable outer sheath Ø					
	Standard (Metric)	Standard (NPT)	Single Seal (Min.)	Single Seal (Max.)	Dual Inner (Min.)	Dual Inner (Max.)	Dual Outer (Min.)	Dual Outer (Max.)
12	M12x 1.5	¼"	3.0	6.5	-	-	-	-
16	M16x 1.5	3/8 "	3.0	7.0	3.0*	7.0	6.0	10.0
20	M20x 1.5	½ "	5.0	10.0	5.0**	10.0	9.0	14.0
25	M25x 1.5	¾"	9.0	15.5	9.0	15.5	12.5	18.0
32	M32x 1.5	1"	12.5	19.0	12.5	19.0	17.0	25.0
40	M40x 1.5	1 ½ "	19.0	27.0	19.0	27.0	24.0	32.0
50	M50x 1.5	2"	22.0	32.0	22.0	32.0	28.0	38.0
63	M63x 1.5	2 ½"	28.0	39.0	28.0	39.0	37.0	48.0

All cable outer sheath dimensions in mm

* For the TSPe & TSPi size 16 gland, the minimum dual inner cable outer sheath dimension is 3.2 mm

** For the TSPe & TSPi size 20 gland, the minimum dual inner cable outer sheath dimension is 5.5 mm

Design Options

The front threaded entry item may be manufactured with a profiled groove to captivate an 'O' ring seal which locates on the mating face of the associated enclosure.

The front threaded entry item may be manufactured with any larger entry thread form size from the sizes certified.

The front threaded entry item may be manufactured with an alternative nearest equivalent recognised thread type and size to the metric thread sizes certified.

The TruSeal Range of Cable Glands may be supplied with a Transit Disc.

Materials of manufacture:

The TSMe, TSZe & TSXe Cable Gland ranges are manufactured in brass, stainless steel & mild steel. All brass manufactured component parts can be optionally nickel plated. All mild steel manufactured components can be optionally zinc plated

The TSPe & TSPi Cable Gland ranges are manufactured in polyamide.
The TruSeal Plug is manufactured in a Silicone Rubber.

Examples of alternative entry component thread forms:

ET (Conduit)
PG
BSPP
BSPT
ISO
NPSM
NPT

TruSeal Plug Models

There are three model types (A, B and C), that are suitable for the different sealing arrangements within the cable gland range, shown in the table below;

Gland Size	Truseal Plug Model
12	A
16S/16DI	B
16	C
20S / 20DI	B
20	C
25S /25DI	B
25	C
32S / 32DI	B
32	C
40S / 40DI	B
40	C
50S / 50DI	B
50	C
63S/63DI	B
63	C

Based on the following documentation: IECEx CML 19.0062X. Issue 2.

2. INSTALLATION INSTRUCTIONS

It is the manufacturer's responsibility to supply installation instructions with each unit offered for sale as required by IEC/SANS 60079-0 Clause 30.

3. SPECIAL CONDITIONS FOR SAFE USE (denoted by "X" after certificate number)

The following are Specific Conditions of Use.

- i. The TruSeal TSPe & TSPi M12 & M16 Cable Glands have been tested to a mechanical impact of 4 J and therefore shall only be installed where the risk of mechanical impact is low.
- ii. The TruSeal Range of Cable Glands are only suitable for fixed installations. The end user shall provide suitable additional clamping of the cable to ensure that pulling is not transmitted to the terminations.
- iii. When a TruSeal M12 TSPe Cable Gland is installed where its service temperature exceeds +75°C, it shall be mounted such that it is adequately protected against the risk of mechanical impact.
- iv. For TSPe & TSPi sizes M40, M50 & M63 - Under certain extreme circumstances may be a potential electrostatic charging hazard, clean only with a damp cloth.

4. SCHEDULE OF LIMITATIONS (denoted by "U" after certificate number)

None

5. CONDITIONS OF CERTIFICATION

All production units must be covered by a QAN (Quality Assurance Notification), Product Mark Scheme or batch evaluation.

6. MARKING

The following (or similar) information have to be clearly and permanently marked on all units:

Supplier : CMP Products Limited
 Manufacturer : CMP Products Limited
 Equipment : Cable Glands and Plugs
 Model/Type : TruSeal; TSM, TSZe, TSXe, TSPe, TSPi, and TruSeal Plug
 Serial No. : ---
 Ex Rating : Ex eb IIC Gb
 Ex ta IIIC Da
 Ex nR IIC Gc
 -60°C ≤ Ta ≤ +105°C (TSM, TSXe & TSZe glands and TruSeal Plug)
 -60°C ≤ Ta ≤ +95°C (TSPe & TSPi glands)
 IP66 IP67 IP68 (30 m for 16 hours)
 IP69 IP69K
 IA Certificate No : S-XPL/21.0014 X

This certification indicates compliance with R10.1 of the Mines Health and Safety Act and/or EMR 9(2) of the Occupational Health and Safety Act, provided that the apparatus is used as relevant in accordance with:

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