

## TRUSEAL TSPe Ex eb & Ex ta (TO BE USED WITH Ex i APPLICATIONS) POLYMER, EXPLOSIVE ATMOSPHERE CABLE GLAND



### FOR ALL TYPES OF UNARMoured & BRAIDED / SCREENED CABLES

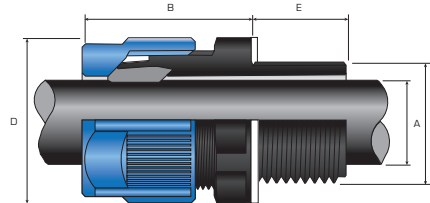
- Blue nut for Intrinsically safe (Ex i) identification
- Halogen and phosphorus-free
- Finger-locking seal provides superior cable retention and strain relief
- Approved to the latest editions of IEC/EN 60079
- Internationally marked IECEX, ATEX and UKEX
- 3<sup>rd</sup> party certified to IEC/EN 62444
- Widest cable range take for any comparable cable gland
- Low weight with high stiffness and strength
- Anti-vibration technology prevents seal loosening in operation
- Transit disc or IP68, IP69 and IP69K rated IP plug options available
- Approved entry thread sealing washer included
- For clearance holes the TSPe must be installed using a CMP metallic locknut (available with the cable gland using ordering suffix 2TN)

shown with transit disc

|              |              |             |                                   |
|--------------|--------------|-------------|-----------------------------------|
| <b>IP66</b>  | <b>IP67</b>  | <b>IP68</b> | <b>IP69K</b>                      |
| <b>Ex eb</b> | <b>Ex ta</b> | <b>UV</b>   | <b>+95°C</b><br>↑<br><b>-60°C</b> |

| TECHNICAL DATA             |  |
|----------------------------|--|
| DESIGN SPECIFICATION       | IEC 62444, EN 62444 (EN Metric only)                                     |
| MECHANICAL CLASSIFICATION* | 12-16 Impact = Level 5, 20-63 Impact = Level 6, Cable Anchorage = Type A |
| ENCLOSURE PROTECTION       | 12-16 IK07 to IEC 62262 (4 joules), 20-63 IK08 to IEC 62262 (7 joules)   |
| INGRESS PROTECTION RATING  | IP66, IP67, IP68**, IP69 and IP69K                                       |
| CABLE GLAND MATERIAL       | Halogen-free Polyamide   |
| SEAL MATERIAL              | CMP SOLO LSF Halogen-free Thermoset Elastomer                            |
| CABLE TYPE                 | Unarmoured and Braided when terminated inside enclosure                  |
| SEALING TECHNIQUE          | CMP Unique finger-locking type seal                                      |
| SEALING AREA(S)            | Cable Outer Sheath   |

| GLOBAL PRODUCT CERTIFICATION |   |                      |                             |
|------------------------------|---|----------------------|-----------------------------|
| ATEX CERTIFICATE             | CML 19ATEX3185X                         | IECEX CERTIFICATE    | IECEX CML 19.0062X          |
| UKEX CERTIFICATE             | CML 21UKEX3264X                         | CODE OF PROTECTION   | Ex eb IIC Gb, Ex ta IIIC Da |
| CODE OF PROTECTION           | ⊕ II 2G 1D, Ex eb IIC Gb, Ex ta IIIC Da | COMPLIANCE STANDARDS | IEC 60079-0, 7, 31          |
| COMPLIANCE STANDARDS         | EN 60079-0, 7, 31                       | COMPLIANCE STANDARDS | IEC 60079-0, 7, 31          |
| EAC CERTIFICATE              | RU C-GB.A.07.B.02516/20                 | DNV CERTIFICATE      | TAE000000Y                  |
| SANS                         | IA 5-XPL21804 21.0014X                  | CCC CERTIFICATE      | 2020322313003450            |



\* Mechanical classifications applied as per IEC/EN 62444  
\*\* IP68 tested to 300 kPa for 16 hours (equivalent to 30 metres water depth)

### PRODUCT SELECTION TABLE WITH DUAL SEALING RANGE

| DUAL SEAL                | AVAILABLE ENTRY THREADS 'C' |                            |                                 |        |                         | OVERALL CABLE DIAMETER 'A' |      | ACROSS FLATS 'D' | ACROSS CORNERS 'D' | PROTRUSION LENGTH 'B' |
|--------------------------|-----------------------------|----------------------------|---------------------------------|--------|-------------------------|----------------------------|------|------------------|--------------------|-----------------------|
|                          | STANDARD                    |                            | OPTION                          |        |                         |                            |      |                  |                    |                       |
| CABLE GLAND ORDERING REF | METRIC                      | THREAD LENGTH (METRIC) 'E' | LONG THREAD LENGTH (METRIC) 'E' | NPT    | THREAD LENGTH (NPT) 'E' | MIN                        | MAX  | MAX              | MAX                |                       |
| 16DTSPEITA4              | M16                         | 9.0                        | 15.0                            | 3/8"   | 11.0                    | 3.2                        | 10.0 | 19.0             | 20.9               | 27.0                  |
| 20DTSPEITA4              | M20                         | 10.0                       | 15.0                            | 1/2"   | 14.0                    | 5.5                        | 14.0 | 24.0             | 26.2               | 30.5                  |
| 25DTSPEITA4              | M25                         | 10.0                       | 15.0                            | 3/4"   | 15.0                    | 9.0                        | 18.0 | 30.0             | 32.7               | 36.0                  |
| 32DTSPEITA4              | M32                         | 12.0                       | 15.0                            | 1"     | 18.0                    | 12.5                       | 25.0 | 40.0             | 43.6               | 41.0                  |
| 40DTSPEITA4              | M40                         | 12.0                       | 18.0                            | 1 1/4" | 18.0                    | 19.0                       | 32.0 | 50.0             | 54.5               | 49.0                  |
| 50DTSPEITA4              | M50                         | 12.0                       | 18.0                            | 1 1/2" | 19.0                    | 22.0                       | 38.0 | 58.0             | 63.2               | 59.0                  |
| 63DTSPEITA4              | M63                         | 15.0                       | 18.0                            | 2"     | 20.0                    | 28.0                       | 48.0 | 68.0             | 74.1               | 64.0                  |

### PRODUCT SELECTION TABLE WITH STANDARD SEALING RANGE

| STANDARD SEAL            | AVAILABLE ENTRY THREADS 'C' |                            |                                 |        |                         | OVERALL CABLE DIAMETER 'A' |      | ACROSS FLATS 'D' | ACROSS CORNERS 'D' | PROTRUSION LENGTH 'B' |
|--------------------------|-----------------------------|----------------------------|---------------------------------|--------|-------------------------|----------------------------|------|------------------|--------------------|-----------------------|
|                          | STANDARD                    |                            | OPTION                          |        |                         |                            |      |                  |                    |                       |
| CABLE GLAND ORDERING REF | METRIC                      | THREAD LENGTH (METRIC) 'E' | LONG THREAD LENGTH (METRIC) 'E' | NPT    | THREAD LENGTH (NPT) 'E' | MIN                        | MAX  | MAX              | MAX                |                       |
| 12TSPEITA4               | M12                         | 9.0                        | 15.0                            | 1/4"   | 11.0                    | 3.0                        | 6.5  | 15.0             | 16.4               | 27.0                  |
| 16TSPEITA4               | M16                         | 9.0                        | 15.0                            | 3/8"   | 11.0                    | 3.0                        | 7.0  | 19.0             | 20.9               | 27.0                  |
| 16TSPEITA4               | M16                         | 9.0                        | 15.0                            | 3/8"   | 11.0                    | 6.0                        | 10.0 | 19.0             | 20.9               | 27.0                  |
| 20TSPEITA4               | M20                         | 10.0                       | 15.0                            | 1/2"   | 14.0                    | 5.0                        | 10.0 | 24.0             | 26.2               | 30.5                  |
| 20TSPEITA4               | M20                         | 10.0                       | 15.0                            | 1/2"   | 14.0                    | 9.0                        | 14.0 | 24.0             | 26.2               | 30.5                  |
| 25TSPEITA4               | M25                         | 10.0                       | 15.0                            | 3/4"   | 15.0                    | 9.0                        | 15.5 | 30.0             | 32.7               | 36.0                  |
| 25TSPEITA4               | M25                         | 10.0                       | 15.0                            | 3/4"   | 15.0                    | 12.5                       | 18.0 | 30.0             | 32.7               | 36.0                  |
| 32TSPEITA4               | M32                         | 12.0                       | 15.0                            | 1"     | 18.0                    | 12.5                       | 19.0 | 40.0             | 43.6               | 41.0                  |
| 32TSPEITA4               | M32                         | 12.0                       | 15.0                            | 1"     | 18.0                    | 17.0                       | 25.0 | 40.0             | 43.6               | 41.0                  |
| 40TSPEITA4               | M40                         | 12.0                       | 18.0                            | 1 1/4" | 18.0                    | 19.0                       | 27.0 | 50.0             | 54.5               | 49.0                  |
| 40TSPEITA4               | M40                         | 12.0                       | 18.0                            | 1 1/4" | 18.0                    | 24.0                       | 32.0 | 50.0             | 54.5               | 49.0                  |
| 50TSPEITA4               | M50                         | 12.0                       | 18.0                            | 1 1/2" | 19.0                    | 22.0                       | 32.0 | 58.0             | 63.2               | 59.0                  |
| 50TSPEITA4               | M50                         | 12.0                       | 18.0                            | 1 1/2" | 19.0                    | 28.0                       | 38.0 | 58.0             | 63.2               | 59.0                  |
| 63TSPEITA4               | M63                         | 15.0                       | 18.0                            | 2"     | 20.0                    | 28.0                       | 39.0 | 68.0             | 74.1               | 64.0                  |
| 63TSPEITA4               | M63                         | 15.0                       | 18.0                            | 2"     | 20.0                    | 37.0                       | 48.0 | 68.0             | 74.1               | 64.0                  |

For NPT threads add a 'T' to the suffix e.g. 16DTSPEITA4T (3/8" NPT)  
For long metric threads add an 'L' to the suffix e.g. 16DTSPEITA4L (M16, with 15mm length of entry thread)  
Dimensions are displayed in millimetres unless otherwise stated