

## 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)

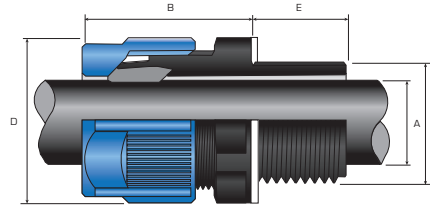
shown with transit disc

<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> ↑ <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

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

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



### 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