

## TRUSEAL TSPe Ex eb & Ex ta POLYMER, EXPLOSIVE ATMOSPHERE CABLE GLAND

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

- 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 and ATEX
- Intrinsically safe (Ex i) blue nut version available
- 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)



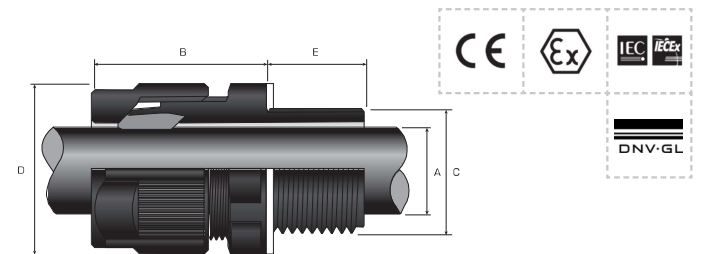
shown in black with standard seal



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 & IP69K
CABLE GLAND MATERIAL	Halogen-free Polyamide
SEAL MATERIAL	CMP SOLO LSF Halogen-free Thermoset Elastomer
CABLE TYPE	Unarmoured & 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
ATEX COMPLIANCE STANDARDS	EN 60079-0,7,31	IECEx COMPLIANCE STANDARDS	IEC 60079-0,7,31
CODE OF PROTECTION	⊕ II 2G TD, Ex eb IIC Gb, Ex ta IIC Da	CODE OF PROTECTION	Ex eb IIC Gb, Ex ta IIC Da
DNV CERTIFICATE	TAE000000Y		

\* 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 ONLY	CABLE GLAND WITH LOCKNUT	METRIC	THREAD LENGTH (METRIC) 'E'	LONG THREAD LENGTH (METRIC) 'E'	NPT	THREAD LENGTH (NPT) 'E'	MIN	MAX	MAX	MAX	
16DTSPEITA	16DTSPE2TN	M16	9.0	15.0	3/8"	11.0	3.2	10.0	19.0	20.9	27.0
20DTSPEITA	20DTSPE2TN	M20	10.0	15.0	1/2"	14.0	5.5	14.0	24.0	26.2	30.5
25DTSPEITA	25DTSPE2TN	M25	10.0	15.0	3/4"	15.0	9.0	18.0	30.0	32.7	36.0
32DTSPEITA	32DTSPE2TN	M32	12.0	15.0	1"	18.0	12.5	25.0	40.0	43.6	41.0
40DTSPEITA	40DTSPE2TN	M40	12.0	18.0	1 1/4"	18.0	19.0	32.0	50.0	54.5	49.0
50DTSPEITA	50DTSPE2TN	M50	12.0	18.0	1 1/2"	19.0	22.0	38.0	58.0	63.2	59.0
63DTSPEITA	63DTSPE2TN	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 ONLY	CABLE GLAND WITH LOCKNUT	METRIC	THREAD LENGTH (METRIC) 'E'	LONG THREAD LENGTH (METRIC) 'E'	NPT	THREAD LENGTH (NPT) 'E'	MIN	MAX	MAX	MAX	
12TSPEITA	12TSPE2TN	M12	9.0	15.0	1/4"	11.0	3.0	6.5	15.0	16.4	27.0
16TSPEITA	16TSPE2TN	M16	9.0	15.0	3/8"	11.0	3.0	7.0	19.0	20.9	27.0
16TSPEITA	16TSPE2TN	M16	9.0	15.0	3/8"	11.0	6.0	10.0	19.0	20.9	27.0
20TSPEITA	20TSPE2TN	M20	10.0	15.0	1/2"	14.0	5.0	10.0	24.0	26.2	30.5
20TSPEITA	20TSPE2TN	M20	10.0	15.0	1/2"	14.0	9.0	14.0	24.0	26.2	30.5
25TSPEITA	25TSPE2TN	M25	10.0	15.0	3/4"	15.0	9.0	15.5	30.0	32.7	36.0
25TSPEITA	25TSPE2TN	M25	10.0	15.0	3/4"	15.0	12.5	18.0	30.0	32.7	36.0
32TSPEITA	32TSPE2TN	M32	12.0	15.0	1"	18.0	12.5	19.0	40.0	43.6	41.0
32TSPEITA	32TSPE2TN	M32	12.0	15.0	1"	18.0	17.0	25.0	40.0	43.6	41.0
40TSPEITA	40TSPE2TN	M40	12.0	18.0	1 1/4"	18.0	19.0	27.0	50.0	54.5	49.0
40TSPEITA	40TSPE2TN	M40	12.0	18.0	1 1/4"	18.0	24.0	32.0	50.0	54.5	49.0
50TSPEITA	50TSPE2TN	M50	12.0	18.0	1 1/2"	19.0	22.0	32.0	58.0	63.2	59.0
50TSPEITA	50TSPE2TN	M50	12.0	18.0	1 1/2"	19.0	28.0	38.0	58.0	63.2	59.0
63TSPEITA	63TSPE2TN	M63	15.0	18.0	2"	20.0	28.0	39.0	68.0	74.1	64.0
63TSPEITA	63TSPE2TN	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. 16DTSPEITAT (1/2" NPT, black), 40DTSPEITAT1 (1 1/4" NPT, grey (silver))  
 For long metric threads add an 'L' to the suffix e.g. 16DTSPEITAL (M16, black with 15mm length of entry thread)

Dimensions are displayed in millimetres unless otherwise stated