

# TSPe Ex i NPT

**TRUSEAL**  
POLYMER

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

**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 and ATEX
- 3<sup>rd</sup> party certified to IEC 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

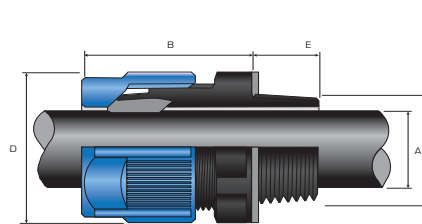


Product tested to IEC 60529, equivalent NEMA ratings shown for comparison purposes.

TECHNICAL DATA	
DESIGN SPECIFICATION	IEC 62444
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 62444  
 \*\* Contact CMP for further information on ingress protection ratings  
 \*\*\* 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
ATEX COMPLIANCE STANDARDS	EN 60079-0,7,31	IECEX COMPLIANCE STANDARDS	IEC 60079-0,7,31
CODE OF PROTECTION	⊕ II 2G 1D, Ex eb IIC Gb, Ex ta IIC Da	CODE OF PROTECTION	Ex eb IIC Gb, Ex ta IIC Da
EAC CERTIFICATE	RU CU-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	ENTRY THREADS 'C'		OVERALL CABLE DIAMETER 'A'		ACROSS FLATS 'D'	ACROSS CORNERS 'D'	PROTRUSION LENGTH 'B'
	NPT	THREAD LENGTH 'E'	MIN	MAX			
16DTSPEITA4T	3/8"	0.43	0.13	0.39	0.75	0.82	1.06
20DTSPEITA4T	1/2"	0.55	0.22	0.55	0.95	1.03	1.20
25DTSPEITA4T	3/4"	0.59	0.35	0.71	1.18	1.29	1.42
32DTSPEITA4T	1"	0.71	0.49	0.98	1.58	1.72	1.61
40DTSPEITA4T	1 1/4"	0.71	0.75	1.26	1.97	2.15	1.93
50DTSPEITA4T	1 1/2"	0.75	0.87	1.50	2.28	2.49	2.32
63DTSPEITA4T	2"	0.79	1.10	1.89	2.68	2.92	2.52

## PRODUCT SELECTION TABLE WITH STANDARD SEALING RANGE

STANDARD SEAL	ENTRY THREADS 'C'		OVERALL CABLE DIAMETER 'A'		ACROSS FLATS 'D'	ACROSS CORNERS 'D'	PROTRUSION LENGTH 'B'
	NPT	THREAD LENGTH 'E'	MIN	MAX			
12TSPeITA4T	1/4"	0.43	0.12	0.25	0.59	0.65	1.06
16TSPeITA4T	3/8"	0.43	0.12	0.27	0.75	0.82	1.06
16TSPeITA4T	3/8"	0.43	0.24	0.39	0.75	0.82	1.06
20TSPeITA4T	1/2"	0.55	0.20	0.39	0.95	1.03	1.20
20TSPeITA4T	1/2"	0.55	0.35	0.55	0.95	1.03	1.20
25TSPeITA4T	3/4"	0.59	0.35	0.61	1.18	1.29	1.42
25TSPeITA4T	3/4"	0.59	0.49	0.71	1.18	1.29	1.42
32TSPeITA4T	1"	0.71	0.49	0.75	1.58	1.72	1.61
32TSPeITA4T	1"	0.71	0.67	0.98	1.58	1.72	1.61
40TSPeITA4T	1 1/4"	0.71	0.75	1.06	1.97	2.15	1.93
40TSPeITA4T	1 1/4"	0.71	0.95	1.26	1.97	2.15	1.93
50TSPeITA4T	1 1/2"	0.75	0.87	1.26	2.28	2.49	2.32
50TSPeITA4T	1 1/2"	0.75	1.10	1.50	2.28	2.49	2.32
63TSPeITA4T	2"	0.79	1.10	1.54	2.68	2.92	2.52
63TSPeITA4T	2"	0.79	1.46	1.89	2.68	2.92	2.52

Dimensions are displayed in inches unless otherwise stated