

## TRUSEAL TSP POLYMER, INDUSTRIAL CABLE GLAND

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

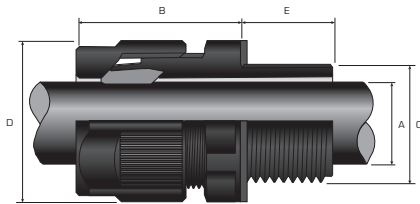
- Halogen and phosphorus-free
- Finger-locking seal provides superior cable retention and strain relief
- 3<sup>rd</sup> party certified to IEC/EN 62444
- Flame retardant UL94 V-0 version available
- Low weight with high stiffness and strength
- Widest cable range take for any comparable cable gland
- Available in a variety of colours (black as standard, see table below)
- 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
- Polyamide locknut available (ordering suffix 2TN) - delivered assembled



shown in black with standard seal and locknut



COLOUR	SUFFIX	METRIC ORDERING EXAMPLE	NPT ORDERING EXAMPLE
BLACK - RAL9011	-	12TSPITA	12TSPITAT
GREY - RAL7035	1	12TSPITA1	12TSPITA1T
GREY - RAL7001	2	12TSPITA2	12TSPITA2T
WHITE	3	12TSPITA3	12TSPITA3T
BLUE - RAL5015	4	12TSPITA4	12TSPITA4T
RED - RAL3000	5	12TSPITA5	12TSPITA5T



TECHNICAL DATA	
DESIGN SPECIFICATION	IEC 62444, EN 62444 (EN Metric only)
MECHANICAL CLASSIFICATION*	12-16 Impact = Level 4, 20-63 Impact = Level 6, Cable Anchorage = Type A
ENCLOSURE PROTECTION	12-16 IK07 to IEC 62262 (contact CMP for specific impact) 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 braid is 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)

### 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'	MINIMUM ORDER QUANTITY
		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		
16DTSPITA	16DTSP2TN	M16	9.0	15.0	3/8"	11.0	3.0	10.0	19.0	20.9	27.0	100
20DTSPITA	20DTSP2TN	M20	10.0	15.0	1/2"	14.0	5.0	14.0	24.0	26.2	30.5	100
25DTSPITA	25DTSP2TN	M25	10.0	15.0	3/4"	15.0	9.0	18.0	30.0	32.7	36.0	50
32DTSPITA	32DTSP2TN	M32	12.0	15.0	1"	18.0	12.5	25.0	40.0	43.6	41.0	10
40DTSPITA	40DTSP2TN	M40	12.0	18.0	1 1/4"	18.0	19.0	32.0	50.0	54.5	49.0	10
50DTSPITA	50DTSP2TN	M50	12.0	18.0	1 1/2"	19.0	22.0	38.0	58.0	63.2	59.0	5
63DTSPITA	63DTSP2TN	M63	15.0	18.0	2"	20.0	28.0	48.0	68.0	74.1	64.0	1

### 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'	MINIMUM ORDER QUANTITY
		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		
12TSPITA	12TSP2TN	M12	9.0	15.0	1/4"	11.0	3.0	6.5	15.0	16.4	27.0	100
16STSPITA	16STSP2TN	M16	9.0	15.0	3/8"	11.0	3.0	7.0	19.0	20.9	27.0	100
16TSPITA	16TSP2TN	M16	9.0	15.0	3/8"	11.0	6.0	10.0	19.0	20.9	27.0	100
20STSPITA	20STSP2TN	M20	10.0	15.0	1/2"	14.0	5.0	10.0	24.0	26.2	30.5	100
20TSPITA	20TSP2TN	M20	10.0	15.0	1/2"	14.0	9.0	14.0	24.0	26.2	30.5	100
25STSPITA	25STSP2TN	M25	10.0	15.0	3/4"	15.0	9.0	15.5	30.0	32.7	36.0	50
25TSPITA	25TSP2TN	M25	10.0	15.0	3/4"	15.0	12.5	18.0	30.0	32.7	36.0	50
32STSPITA	32STSP2TN	M32	12.0	15.0	1"	18.0	12.5	19.0	40.0	43.6	41.0	10
32TSPITA	32TSP2TN	M32	12.0	15.0	1"	18.0	17.0	25.0	40.0	43.6	41.0	10
40STSPITA	40STSP2TN	M40	12.0	18.0	1 1/4"	18.0	19.0	27.0	50.0	54.5	49.0	10
40TSPITA	40TSP2TN	M40	12.0	18.0	1 1/4"	18.0	24.0	32.0	50.0	54.5	49.0	10
50STSPITA	50STSP2TN	M50	12.0	18.0	1 1/2"	19.0	22.0	32.0	58.0	63.2	59.0	5
50TSPITA	50TSP2TN	M50	12.0	18.0	1 1/2"	19.0	28.0	38.0	58.0	63.2	59.0	5
63STSPITA	63STSP2TN	M63	15.0	18.0	2"	20.0	28.0	39.0	68.0	74.1	64.0	1
63TSPITA	63TSP2TN	M63	15.0	18.0	2"	20.0	37.0	48.0	68.0	74.1	64.0	1

For NPT threads add a 'T' to the suffix e.g. 16DTSPITAT (1/2" NPT, black), 40DTSPITAT1 (1 1/4" NPT, grey (silver))  
For long metric threads add an 'L' to the suffix e.g. 16DTSPITAL (M16, black with 15mm length of entry thread)

Dimensions are displayed in millimetres unless otherwise stated