

## TRUSEAL TSM<sub>e</sub> Ex eb & Ex ta METALLIC, EXPLOSIVE ATMOSPHERE CABLE GLAND

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

- 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
- Suitable for intrinsically safe (Ex i) circuits
- 3<sup>rd</sup> party certified to IEC/EN 62444
- Widest cable range take on the market
- Easy to install
- Robust design, high quality materials
- O-ring interface seal included as standard
- Transit disc or IP68, IP69 and IP69K rated IP plug options available
- Product supplied in nickel-plated brass, or stainless steel on request
- Nickel-plated brass locknut available (ordering suffix 2TN)

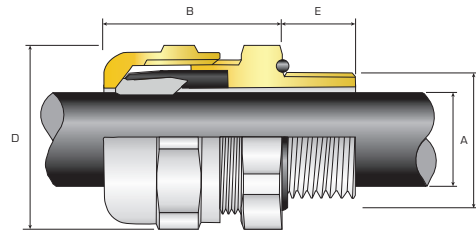


shown with standard seal



TECHNICAL DATA	
DESIGN SPECIFICATION	IEC 62444, EN 62444 (EN Metric only)
MECHANICAL CLASSIFICATION*	Impact = Level 6, Cable Anchorage = Type A
ENCLOSURE PROTECTION	IK08 to IEC 62262 (7 joules)
INGRESS PROTECTION RATING	IP66, IP67, IP68**, IP69 and IP69K
CABLE GLAND MATERIAL	Nickel-plated brass, Stainless Steel (option)
SEAL MATERIAL	CMP SOLO LSF Halogen-free Thermostat Elastomer
CABLE TYPE	Unarmoured and Braided (when braid is 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	DNV CERTIFICATE	TAE000000Y
EAC CERTIFICATE	RU C-GB.A.07.B.02516/20	CCC CERTIFICATE	2020322313003450
SANS	IA S-XPL21804 21.0014X		



\* 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'
CABLE GLAND ONLY	CABLE GLAND WITH LOCKNUT	STANDARD		OPTION			MIN	MAX	MAX	MAX	
		METRIC	THREAD LENGTH (METRIC) 'E'	LONG THREAD LENGTH (METRIC) 'E'	NPT	THREAD LENGTH (NPT) 'E'					
16DTSMEITA5	16DTSME2TN5	M16	6.0	12.0	3/8"	11.0	3.0	10.0	20.0	22.0	23.6
20DTSMEITA5	20DTSME2TN5	M20	6.5	12.0	1/2"	14.0	5.0	14.0	24.0	26.4	26.7
25DTSMEITA5	25DTSME2TN5	M25	7.0	12.0	3/4"	15.0	9.0	18.0	30.0	33.0	32.0
32DTSMEITA5	32DTSME2TN5	M32	8.0	12.0	1"	18.0	12.5	25.0	39.0	42.9	37.8
40DTSMEITA5	40DTSME2TN5	M40	8.0	15.0	1 1/4"	18.0	19.0	32.0	50.0	55.0	44.7
50DTSMEITA5	50DTSME2TN5	M50	9.0	15.0	1 1/2"	19.0	22.0	38.0	57.0	62.7	48.7
63DTSMEITA5	63DTSME2TN5	M63	10.0	15.0	2"	20.0	28.0	48.0	68.0	74.8	52.2

### 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'
CABLE GLAND ONLY	CABLE GLAND WITH LOCKNUT	STANDARD		OPTION			MIN	MAX	MAX	MAX	
		METRIC	THREAD LENGTH (METRIC) 'E'	LONG THREAD LENGTH (METRIC) 'E'	NPT	THREAD LENGTH (NPT) 'E'					
12TSMETA5	12TSMET2TN5	M12	6.0	12.0	1/4"	11.0	3.0	6.5	16.0	17.6	22.3
16TSMETA5	16TSMET2TN5	M16	6.0	12.0	3/8"	11.0	3.0	7.0	20.0	22.0	23.6
16TSMETA5	16TSMET2TN5	M16	6.0	12.0	3/8"	11.0	6.0	10.0	20.0	22.0	23.6
20TSMETA5	20TSMET2TN5	M20	6.5	12.0	1/2"	14.0	5.0	10.0	24.0	26.4	26.7
20TSMETA5	20TSMET2TN5	M20	6.5	12.0	1/2"	14.0	9.0	14.0	24.0	26.4	26.7
25TSMETA5	25TSMET2TN5	M25	7.0	12.0	3/4"	15.0	9.0	15.5	30.0	33.0	32.0
25TSMETA5	25TSMET2TN5	M25	7.0	12.0	3/4"	15.0	12.5	18.0	30.0	33.0	32.0
32TSMETA5	32TSMET2TN5	M32	8.0	12.0	1"	18.0	12.5	19.0	39.0	42.9	37.8
32TSMETA5	32TSMET2TN5	M32	8.0	12.0	1"	18.0	17.0	25.0	39.0	42.9	37.8
40TSMETA5	40TSMET2TN5	M40	8.0	15.0	1 1/4"	18.0	19.0	27.0	50.0	55.0	44.7
40TSMETA5	40TSMET2TN5	M40	8.0	15.0	1 1/4"	18.0	24.0	32.0	50.0	55.0	44.7
50TSMETA5	50TSMET2TN5	M50	9.0	15.0	1 1/2"	19.0	22.0	32.0	57.0	62.7	48.7
50TSMETA5	50TSMET2TN5	M50	9.0	15.0	1 1/2"	19.0	28.0	38.0	57.0	62.7	48.7
63TSMETA5	63TSMET2TN5	M63	10.0	15.0	2"	20.0	28.0	39.0	68.0	74.8	52.2
63TSMETA5	63TSMET2TN5	M63	10.0	15.0	2"	20.0	37.0	48.0	68.0	74.8	52.2

For NPT threads add a 'T' to the suffix e.g. 16DTSMEITAST (3/4" NPT)  
For long metric threads add an 'L' to the suffix e.g. 16DTSMEITASL (M16, with 12mm length of entry thread)  
Dimensions are displayed in millimetres unless otherwise stated