

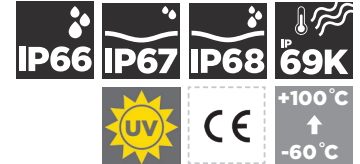
TRUSEAL TSP POLYMER, INDUSTRIAL CABLE GLAND

FOR ALL TYPES OF UNARMoured & BRAIDED / SCREENED CABLES

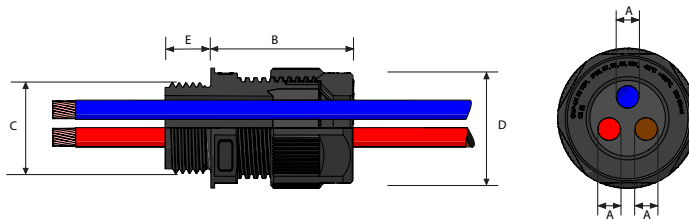
- Halogen and phosphorus-free
- Unique strain relief sealing system
- Third party certified to IEC/EN 62444
- Flame retardant UL94 V-0 version available
- Low weight with high stiffness and strength
- Widest cable range take for any comparable cable gland
- Available in a variety of colours (black as 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, M20, MS3 and locknut



COLOUR	SUFFIX	METRIC ORDERING EXAMPLE	NPT ORDERING EXAMPLE
BLACK - RAL9011	-	16MS2TSPITA	16MS2TSPITAT
GREY - RAL7035	1	16MS2TSPITA1	16MS2TSPITA1T
GREY - RAL7001	2	16MS2TSPITA2	16MS2TSPITA2T
WHITE	3	16MS2TSPITA3	16MS2TSPITA3T
BLUE - RAL5015	4	16MS2TSPITA4	16MS2TSPITA4T
RED - RAL3000	5	16MS2TSPITA5	16MS2TSPITA5T



TECHNICAL DATA	
DESIGN SPECIFICATION	IEC 62444, EN 62444 (EN Metric only)
IEC 62444 CERTIFICATE	CML 20CA12915
MECHANICAL CLASSIFICATION*	16 Impact = Level 5, 20-63 Impact = Level 6, Cable Anchorage = Type A
ENCLOSURE PROTECTION	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 braid is terminated inside enclosure)
SEALING TECHNIQUE	CMP unique strain relief sealing system
SEALING AREA(S)	Cable Outer Sheath

* Mechanical classifications applied as per IEC/EN 62444

** Contact CMP for further information on ingress protection ratings

*** IP68 tested to 300 kPa for 16 hours (equivalent to 30 metres water depth)

PRODUCT SELECTION TABLE WITH MULTISEAL RANGE

MULTISEAL		AVAILABLE ENTRY THREADS 'C'					NO. OF HOLES	OVERALL CABLE DIAMETER 'A'		ACROSS FLATS 'D'	ACROSS CORNERS 'D'	PROTRUSION LENGTH 'B'	WEIGHT GLAND ONLY † (KG)
		STANDARD		OPTION (See part number guidance table below)									
CABLE GLAND ONLY	CABLE GLAND WITH LOCKNUT	METRIC	THREAD LENGTH (METRIC) 'E'	LONG THREAD LENGTH (METRIC) 'E'	NPT	THREAD LENGTH (NPT) 'E'		MIN	MAX				
16MS1TSPITA	16MS1TSP2TN	M16	9.0	15.0	3/8"	11.0	2	2.0	4.0	19.0	20.9	27.0	0.009
16MS2TSPITA	16MS2TSP2TN	M16	9.0	15.0	3/8"	11.0	3	1.0	2.0	19.0	20.9	27.0	0.010
20MS1TSPITA	20MS1TSP2TN	M20	10.0	15.0	1/2"	14.0	2	3.0	5.0	24.0	26.2	30.5	0.014
20MS2TSPITA	20MS2TSP2TN	M20	10.0	15.0	1/2"	14.0	3	2.0	4.0	24.0	26.2	30.5	0.015
20MS3TSPITA	20MS3TSP2TN	M20	10.0	15.0	1/2"	14.0	4	2.0	4.0	24.0	26.2	30.5	0.014
20MS4TSPITA	20MS4TSP2TN	M20	10.0	15.0	1/2"	14.0	6	2.5	3.5	24.0	26.2	30.5	0.015
25MS1TSPITA	25MS1TSP2TN	M25	10.0	15.0	3/4"	15.0	2	3.0	6.0	30.0	32.7	36.0	0.028
25MS2TSPITA	25MS2TSP2TN	M25	10.0	15.0	3/4"	15.0	2	5.0	7.0	30.0	32.7	36.0	0.027
25MS3TSPITA	25MS3TSP2TN	M25	10.0	15.0	3/4"	15.0	2	5.0	8.0	30.0	32.7	36.0	0.027
25MS4TSPITA	25MS4TSP2TN	M25	10.0	15.0	3/4"	15.0	3	3.0	6.0	30.0	32.7	36.0	0.027
25MS5TSPITA	25MS5TSP2TN	M25	10.0	15.0	3/4"	15.0	3	5.0	7.0	30.0	32.7	36.0	0.026
25MS6TSPITA	25MS6TSP2TN	M25	10.0	15.0	3/4"	15.0	4	3.0	5.0	30.0	32.7	36.0	0.027
25MS7TSPITA	25MS7TSP2TN	M25	10.0	15.0	3/4"	15.0	4	4.0	6.0	30.0	32.7	36.0	0.027
25MS8TSPITA	25MS8TSP2TN	M25	10.0	15.0	3/4"	15.0	5	2.0	4.0	30.0	32.7	36.0	0.027
25MS9TSPITA	25MS9TSP2TN	M25	10.0	15.0	3/4"	15.0	5	3.0	5.0	30.0	32.7	36.0	0.026
25MS10TSPITA	25MS10TSP2TN	M25	10.0	15.0	3/4"	15.0	4	5.0	6.5	30.0	32.7	36.0	0.026
32MS1TSPITA	32MS1TSP2TN	M32	12.0	15.0	1"	18.0	3	6.0	10.2	40.0	43.6	41.0	0.053
32MS2TSPITA	32MS2TSP2TN	M32	12.0	15.0	1"	18.0	2	7.0	10.2	40.0	43.6	41.0	0.053
							1	4.0	6.8				
32MS3TSPITA	32MS3TSP2TN	M32	12.0	15.0	1"	18.0	2	9.0	11.7	40.0	43.6	41.0	0.053
							1	5.0	7.6				
32MS4TSPITA	32MS4TSP2TN	M32	12.0	15.0	1"	18.0	4	5.0	8.0	40.0	43.6	41.0	0.053
32MS5TSPITA	32MS5TSP2TN	M32	12.0	15.0	1"	18.0	6	4.0	6.0	40.0	43.6	41.0	0.054
32MS6TSPITA	32MS6TSP2TN	M32	12.0	15.0	1"	18.0	8	2.0	4.0	40.0	43.6	41.0	0.055
32MS7TSPITA	32MS7TSP2TN	M32	12.0	15.0	1"	18.0	8	3.0	5.0	40.0	43.6	41.0	0.053
40MS1TSPITA	40MS1TSP2TN	M40	12.0	18.0	1-1/4"	18.0	1	7.0	10.2	50.0	54.5	49.0	0.096
							2	8.0	11.7				
40MS2TSPITA	40MS2TSP2TN	M40	12.0	18.0	1-1/4"	18.0	4	7.0	10.0	50.0	54.5	49.0	0.094

Part numbers in table are for standard metric entry threads. Please see page 2 for alternative part number builder & seal table.

†Weight displayed for standard metric entry thread only

For MOQ please contact CMP directly.

Dimensions displayed in mm unless otherwise specified

HOW TO ORDER

Size	Seal Type		Gland Type		Accessory Reference		Material		Colour			Thread Option		
12	MS	MULTISEAL followed by seal reference See table below for seal reference	TSP	POLYMER INDUSTRIAL	1TA	STANDARD	-	NYLON	-	BLACK RAL9011		-	METRIC SHORT	
16					2TN	LOCKNUT (TN)			1	GREY (LIGHT) RAL7035		L	METRIC LONG	
20					1TD	TRANSIT DISC			2	GREY (MID) RAL7001		T	NPT	
25					2TDN	TRANSIT DISC & LN			3	WHITE				
32					1TP	IP PLUG			4	BLUE RAL5015				
40					2TPN	IP PLUG & LN			5	RED RAL3000				
50														
63														
20	MS2		TSP		2TN				1			L		
EXAMPLE: 20MS2TSP2TN1L = SIZE 20 MULTISEAL 2 SEAL, TSP POLYMER INDUSTRIAL, W/LOCKNUT, NYLON MATERIAL, LIGHT GREY COLOUR, METRIC LONG THREAD OPTION														

MULTISEAL COMBINATIONS & HOLE SIZE

SIZE	16					20					25					32					40				
	DIAGRAM	NO. OF HOLES	APPLICATION	SEALING RANGE		DIAGRAM	NO. OF HOLES	APPLICATION	SEALING RANGE		DIAGRAM	NO. OF HOLES	APPLICATION	SEALING RANGE		DIAGRAM	NO. OF HOLES	APPLICATION	SEALING RANGE		DIAGRAM	NO. OF HOLES	APPLICATION	SEALING RANGE	
				MIN	MAX				MIN	MAX				MIN	MAX				MIN	MAX				MIN	MAX
MS1		2	I	2.0	4.0		2	I	3.0	5.0		2	I	3.0	6.0		3	I	6.0	10.2		3	I	1X7.0 2X8.0	1X10.2 2X11.7
			H	3.0	4.0			H	3.0	5.0			H	4.0	6.0			H	8.0	10.2			H	1X8.0 2X10.0	1X10.2 2X11.7
MS2		3	I	1.0	2.0		3	I	2.0	4.0		2	I	5.0	7.0		3	I	1X4.0 2X7.0	1X6.8 2X10.2		4	I	7.0	10.0
			H	1.0	2.0			H	3.0	4.0			H	5.0	7.0			H	1X5.0 2X8.0	1X6.8 2X10.2			H	8.0	10.0
MS3						4	I	2.0	4.0		2	I	5.0	8.0		3	I	1X5.0 2X9.0	1X7.6 2X11.7						
							H	3.0	4.0			H	6.0	8.0			H	1X6.0 2X10.0	1X7.6 2X11.7						
MS4						6	I	2.5	3.5		3	I	3.0	6.0		4	I	5.0	8.0						
							H	2.5	3.5			H	4.0	6.0			H	6.0	8.0						
MS5											3	I	5.0	7.0		6	I	4.0	6.0						
												H	5.0	7.0			H	4.0	6.0						
MS6											4	I	3.0	5.0		8	I	2.0	4.0						
												H	3.0	5.0			H	3.0	4.0						
MS7											4	I	4.0	6.0		8	I	3.0	5.0						
												H	4.0	6.0			H	4.0	5.0						
MS8											5	I	2.0	4.0											
												H	2.0	4.0											
MS9											5	I	3.0	5.0											
												H	3.0	5.0											
MS10											4	I	5.0	6.5											
												H	5.0	6.5											

I = Industrial H = Hazardous