



Connect and Protect

TransTechnical Solutions

Technical Data Sheet

Metallic Systems

TSP Fitting Type A

Technical Characteristics

Conforms to	BSI Kitemark KM-35161 Low voltage directive Inherent Low Fire Hazard		
Approvals and Standards			
Degree of mechanical protection	High		
Degree of protection	IP54 - with all liquid resistant conduit in the series		
UV protection	Very High		
Fitting characteristics	Straight fitting - Fixed external male thread		
Application	For insertion into knockouts using a locknut		
Normal operating temperature range	Application	Min Temp	Max Temp
	Static	- 50°C	+350°C
	Dynamic	- 45°C	+250°C
For use with - Conduit Series	Type TSP & TSN AND TLFH-SP		
Fire performance	Test Standard	Performance Rating	
	EN45545	ILFH	
	NFF16-101	ILFH	
	LUL-1085	ILFH	
	BS6855	ILFH	
	DIN 5510-2	ILFH	
Testing data	See page 4		
Type of material	Nickel Plated Brass		
Image			



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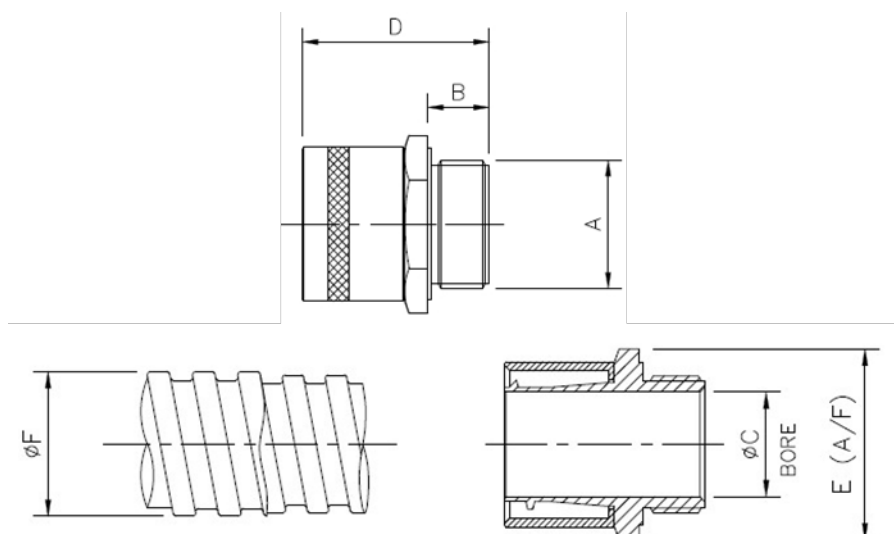
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Dimensional Data - M Thread

Part No	Thread A	Nominal Dimensions (mm)				Nominal Conduit - ø F (mm)
		B	C	D	E	
TSP10/M12/A	M12 x 1.5	8	5.5	23	14	10
TSP12/M16/A	M16 x 1.5	8	8.5	23	17	12
TSP16/M16/A	M16 x 1.5	10	11.5	25.5	20	16
TSP16/M20/A	M20 x 1.5	10	11.5	25.5	22	16
TSP20/M20/A	M20 x 1.5	13	15.3	29	24	20
TSP25/M25/A	M25 x 1.5	12	19	36.5	30	25
TSP32/M32/A	M32 x 1.5	14	26.2	39	38	32
TSP40/M40/A	M40 x 1.5	15	34.2	43	50	40
TSP50/M50/A	M50 x 1.5	15	45	45	66.5	50
TSP63/M63/A	M63 x 1.5	20	54	57	76.5	63
TSP75/M75/A	M75 x 1.5	20	66.5	60	84	75



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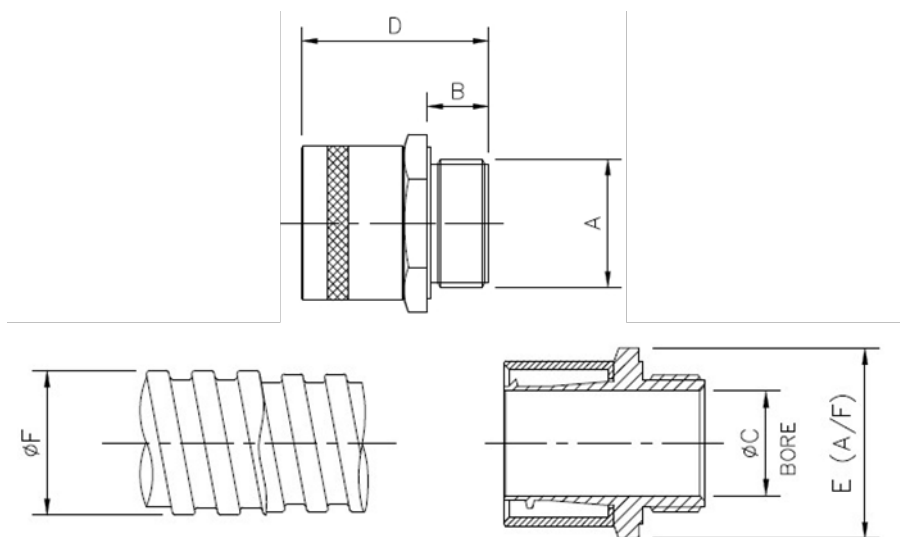
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Dimensional Data - PG Thread (On Request)

Part No	Thread A	Nominal Dimensions (mm)				Nominal Conduit - ø F (mm)
		B	C	D	E	
TSP10/PG7/A	PG7	8	5.5	23	14	10
TSP12/PG9/A	PG9	8	8.5	23	17	12
TSP16/PG11/A	PG11	10	11.5	25.5	20	16
TSP20/PG16/A	PG16	12	15.3	29	24	20
TSP25/PG21/A	PG21	12	19	36.5	30	25
TSP32/PG29/A	PG29	14	26.2	39	38	32
TSP40/PG36/A	PG36	15	34.2	43	50	40
TSP50/PG42/A	PG42	15	45	45	66.5	50
TSP63/PG48/A	PG48	20	54	57	76.5	63



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Chemical Resistance Chart

Key:

Suitable :



Limited Suitability :



Unsuitable :



Not Tested :



● Astm No.1	● Diesel oil	● Methyl Bromide	● Sulphur Dioxide (Gas)
● Astm No.2	● Diethylamine	● MEK	● Sulphuric Acid (10%)
● Astm No.3	● Ethanol	● Nitric Acid (10%)	● Sulphuric Acid (70%)
● Acetic Acid (10%)	● Ether	● Nitric Acid (70%)	● Toluene
● Acetone	● Ethylamine	● Oxalic Acid	● Transformer Oil
● Aluminium Chloride	● Ethylene Glycol	● Ozone (Gas)	● 1,1,1-Trichloroethane
● Aniline	● Ethyl Ethanoate	● Paraffin oil	● Trichloroethylene
● Benzaldehyde	● Freon 32	● Petrol	● Turpentine
● Benzene	● Hydrochloric Acid (10%)	● Phenol	● Vegetable Oil
● Carbon tetrachloride	● Hydrochloric Acid (36%)	● Sea Water	● Vinyl Acetate
● Chlorine water	● Hydrogen Peroxide (35%)	● Silver Nitrate	● Water
● Chloroform	● Hydrogen Peroxide (87%)	● Skydrol	● White Spirit
● Citric Acid	● Lactic Acid	● Sodium Chloride	● Zinc Chloride
● Copper Sulphate	● Lubricating oil	● Sodium Hydroxide (10%)	
● Cresol	● Methanol	● Sodium Hydroxide (60%)	

ADHERENCE TO THE CURRENT WIRING REGULATIONS BS7671 OR NEC WIRING REGULATIONS (FOR USA) IS STRONGLY ADVISED.

MINIMUM BEND RADIUS FOR FLEXING IS DEPENDANT UPON MINIMUM TEMPERATURE, BENDING FREQUENCY AND CHEMICAL ENVIRONMENT.

Thread Data

Metric	Standard thread conforming to EN60423 & BS3643			PG	German Standard thread conforming to DIN40430		
Thread Size mm	Ext Thread Outside Diameter	Int Thread Inside Diameter	Pitch	Thread Size	Ext Thread Outside Diameter	Int Thread Inside Diameter	Pitch
M8	8	6.9	1	PG7	12.5	11.3	1.27
M10	10	8.9	1	PG9	15.2	13.9	1.41
M12	12	10.9	1	PG11	18.6	17.3	1.41
M12	12	10.4	1.5	PG13.5	20.4	19.1	1.41
M16	16	14.4	1.5	PG16	22.5	21.2	1.41
M18	18	16.9	1	PG21	28.3	26.8	1.59
M20	20	18.4	1.5	PG29	37	35.5	1.59
M25	25	23.4	1.5	PG36	47	45.5	1.59
M30	30	28.4	1.5	PG42	54	52.2	1.59
M32	32	30.4	1.5	PG48	59.3	57.8	1.59
M40	40	38.4	1.5	-	-	-	-
M50	50	48.4	1.5	-	-	-	-
M63	63	61.4	1.5	-	-	-	-
M75	75	73.4	1.5	-	-	-	-

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