



Connect and Protect

TransTechnical Solutions

Technical Data Sheet

Metallic Systems

TSP Fitting Type C90

Conforms to	BSI Kitemark KM-35161 Low voltage directive Inherent Low Fire Hazard		
Approvals and Standards			
Degree of mechanical protection	Very High		
Degree of protection	IP65 - with all liquid resistant conduit in the series		
UV protection	Very High		
Fitting characteristics	90° combined fitting & elbow		
Application	For insertion into thread entries and knockouts using a locknut		
Normal operating temperature range	Application	Min Temp	Max Temp
	Static	- 50°C	+300°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 3		
Type of material	Nickel Plated Brass		



Image



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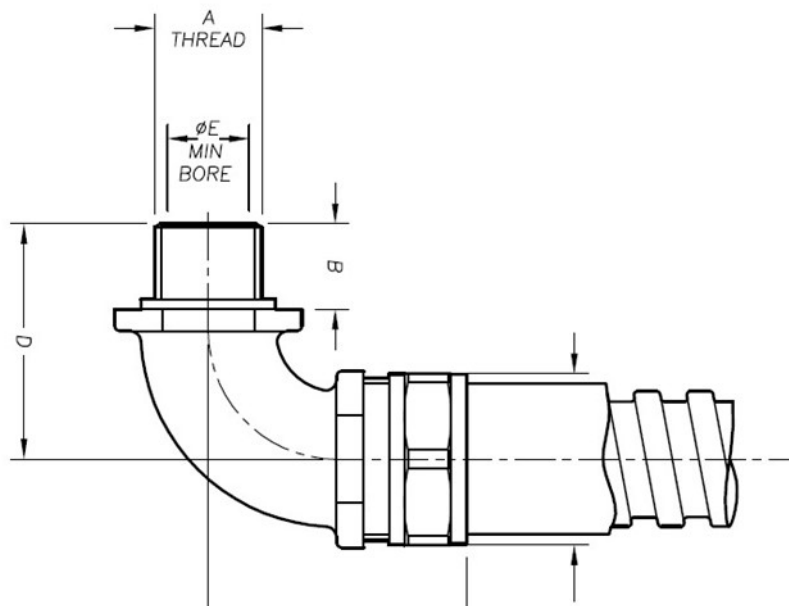
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Dimensional Data

Part No	Thread A	Nominal Dimensions (mm)				F
		B	C	D	E	
TSP16/M16/C90	M16 x 1.5	12.5	38	35	11.1	25.4
TSP16/M20/C90	M20 x 1.5	12.5	38	35	14.9	25.4
TSP20/M20/C90	M20 x 1.5	12.5	39	36	14.9	28.5
TSP25/M25/C90	M25 x 1.5	13.5	45	40	18.2	35
TSP32/M32/C90	M32 x 1.5	17.5	53	48	24.8	42



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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

Thread Data

Metric	Standard thread conforming to EN60423 & BS3643		
Thread Size mm	Ext Thread Outside Diameter	Int Thread Inside Diameter	Pitch
M16	16	14.4	1.5
M20	20	18.4	1.5
M25	25	23.4	1.5
M32	32	30.4	1.5

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