

Metallic Systems

SP Fitting Type C90



Technical Characteristics

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 Adaptasteel liquid resistant conduit in the series		
UV protection	Very High		
Fitting characteristics		90° combined fitting & elbow	
Application	For insertion into threaded entries & 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 SP , SN & LFH-SP		
Fire performance	Test Standard		Performance Rating
	EN45545		ILFH
	NFF16-101		ILFH
	LUL-1085		ILFH
	BS6855		ILFH
	DIN 5510-2		ILFH
Testing data	Click or see page 3		
Type of material	Nickel Plated Brass		





Image



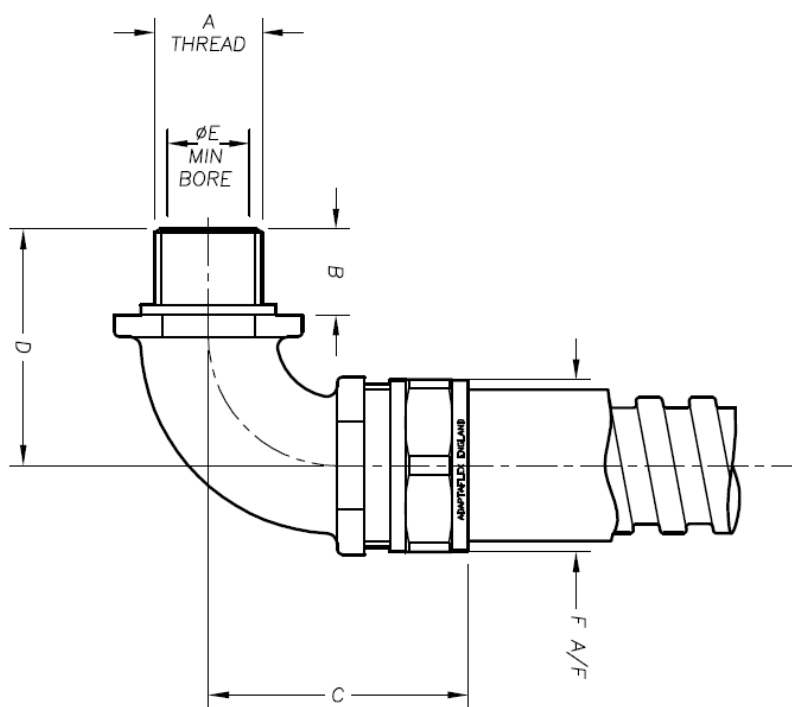
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Dimensional Data

Part No	Thread A	Nominal Dimensions (mm)				F
		B	C	D	E	
SP16/M16/C90	M16 x 1.5	12.5	38.0	35.0	11.1	25.4
SP16/M20/C90	M20 x 1.5	12.5	38.0	35.0	14.9	25.4
SP20/M20/C90	M20 x 1.5	12.5	39.0	36.0	14.9	28.5
SP25/M25/C90	M25 x 1.5	13.5	45.0	40.0	18.2	35.0
SP32/M32/C90	M32 x 1.5	17.5	53.0	48.0	24.8	42.0



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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%)	

The information above is given as a guide only and is based on published technical data and experience. The chemical resistance of the above products is dependant on factors such as chemical exposure, concentration of the chemical and temperature. The above chemicals are valid for a temperature of 23°C. Use of the above table is at the users own discretion and risk. Those using it must satisfy themselves that their application presents no health and safety risks. The end user should assess compatibility with their application and contact Thomas & Betts for further information.

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		
	Thread Size mm	Ext Thread Outside Diameter	Int Thread Inside Diameter
M16	16.0	14.4	1.5
M20	20.0	18.4	1.5
M25	25.0	23.4	1.5
M32	32.0	30.4	1.5