Metallic Systems

SPB 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	Very High
Degree of protection	IP54 - with all Adaptasteel EMI screen - 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**	**+300°C**
Dynamic	**- 45°C**	**+250°C**

For use with - Conduit Series	Type SPB & SPTC

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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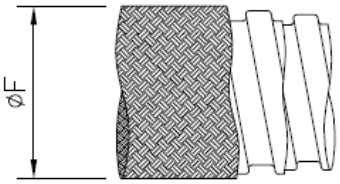
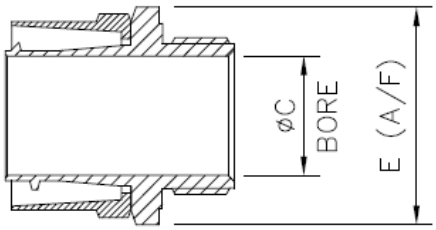
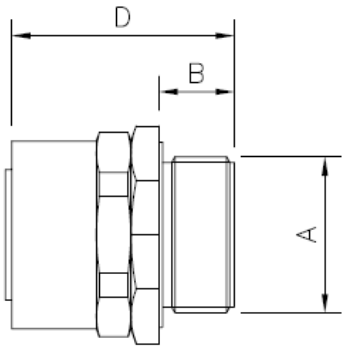
Dimensional Data

Part No	Thread A	Nominal Dimensions (mm)				Nominal Conduit - ø F (mm)
		B	C	D	E	
SPB10/M12/A	M12 x 1.5	8.0	5.5	25.0	14.0	11.0
SPB12/M16/A	M16 x 1.5	8.0	8.5	27.2	17.0	15.0
SPB16/M16/A	M16 x 1.5	10.0	11.5	29.7	20.0	18.5
SPB20/M20/A	M20 x 1.5	13.0	15.3	34.5	24.0	22.5
SPB25/M25/A	M25 x 1.5	12.0	19.0	35.5	30.0	28.0
SPB32/M32/A	M32 x 1.5	14.0	26.2	40.0	38.0	36.0
SPB40/M40/A	M40 x 1.5	14.0	34.2	39.0	49.0	45.5
SPB50/M50/A	M50 x 1.5	14.0	45.0	41.0	65.5	57.5







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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	Pitch
M10	10.0	8.9	1.0
M12	12.0	10.4	1.5
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
M40	40.0	38.4	1.5
M50	50.0	48.4	1.5
M63	63.0	61.4	1.5
M75	75.0	73.4	1.5

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