Compression Fittings - Series SF and DF



A range of stainless steel and brass compression fittings designed for use with temperature sensors.

Single or Double ferrule versions are available in a wide range of thread sizes to suit diameters from 0.5mm to 21.3mm.

TC Measurement & Control AB

Compression Fittings

We offer both single and double ferrule compression fittings.

SF Series - Single Ferrule Compression Fittings

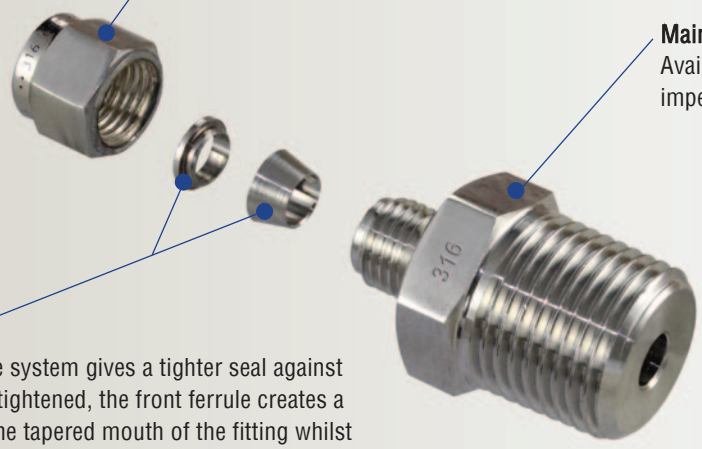


Cap Nut
Compresses the olive on to the tube

Main Body
Available in a wide range of imperial and metric thread sizes

Single Ferrule
The single ferrule system gives a reliable seal against the media and ensures a good mechanical grip on the sensor itself.

DF Series - Double Ferrule Compression Fittings



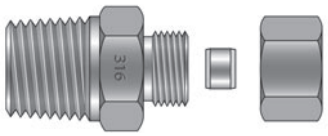
Cap Nut
Drives the olives to provide a grip and seal

Main Body
Available in a wide range of imperial and metric thread sizes

Double Ferrule
The double ferrule system gives a tighter seal against the media. When tightened, the front ferrule creates a full-face seal on the tapered mouth of the fitting whilst the rear ferrule provides a mechanical grip on the sensor itself. In the double ferrule design front and rear ferrules move axially instead of in a rotary motion so no torque is transferred to the sensor during installation.

SFS Single Ferrule 316 Stainless Steel Fittings - BSPT Threads







Spare / replacement olives are available.
Please see page 8 for details.

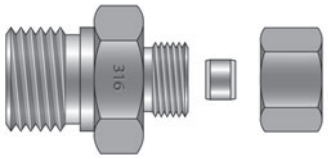
Thread Size	To suit probes with the following diameters									
	0.5mm	0.75mm	1.0mm	1.5mm	(1/16") 1.6mm	2.0mm	3.0mm	(1/8") 3.2mm	4.5mm	(3/16") 4.76mm
1/16" BSPT	SFS116T05	—	SFS116T10	SFS116T15	SFS116T16	SFS116T20	SFS116T30	—	—	—
1/8" BSPT	SFS18T05	SFS18T075	SFS18T10	SFS18T15	SFS18T16	SFS18T20	SFS18T30	SFS18T32	SFS18T45	SFS18T47
1/4" BSPT	—	—	SFS14T10	SFS14T15	SFS14T16	SFS14T20	SFS14T30	SFS14T32	SFS14T45	SFS14T47
3/8" BSPT	—	—	—	—	—	—	SFS38T30	SFS38T32	SFS38T45	SFS38T47
1/2" BSPT	—	—	SFS12T10	SFS12T15	—	—	SFS12T30	SFS12T32	SFS12T45	SFS12T47
3/4" BSPT	—	—	—	—	—	—	SFS34T30	—	—	—

Thread Size	To suit probes with the following diameters									
	7/32" 5.5mm	6.0mm	(1/4") 6.4mm	(5/16") 7.9mm	8.0mm	(3/8") 9.5mm	12.0mm	(1/2") 12.7mm	(5/8") 15.9mm	(13/16") 21.3mm
1/8" BSPT	SFS18T55	SFS18T60	SFS18T64	—	—	—	—	—	—	—
1/4" BSPT	SFS14T55	SFS14T60	SFS14T64	SFS14T79	SFS14T80	—	—	—	—	—
3/8" BSPT	SFS38T55	SFS38T60	SFS38T64	SFS38T79	SFS38T80	SFS38T95	—	SFS38T127	—	—
1/2" BSPT	SFS12T55	SFS12T60	SFS12T64	SFS12T79	SFS12T80	SFS12T95	SFS12T120	SFS12T127	SFS12T159	—
3/4" BSPT	—	SFS34T60	SFS34T64	SFS34T79	SFS34T80	SFS34T95	SFS34T120	SFS34T127	SFS34T159	SFS34T213
1" BSPT	—	SFS1T60	SFS1T64	SFS1T79	SFS1T80	—	SFS1T120	SFS1T127	SFS1T159	SFS1T213

Other thread sizes are available, please contact us for details.

SFS Single Ferrule 316 Stainless Steel Fittings - BSPP Threads







Spare / replacement olives are available.
Please see page 8 for details.

Thread Size	To suit probes with the following diameters									
	0.5mm	0.75mm	1.0mm	1.5mm	(1/16") 1.6mm	2.0mm	3.0mm	(1/8") 3.2mm	4.5mm	(3/16") 4.76mm
1/16" BSPP	SFS116P05	—	SFS116P10	SFS116P15	SFS116P16	SFS116P20	SFS116P30	—	—	—
1/8" BSPP	SFS18P05	SFS18P075	SFS18P10	SFS18P15	SFS18P16	SFS18P20	SFS18P30	SFS18P32	SFS18P45	SFS18P47
1/4" BSPP	—	—	SFS14P10	SFS14P15	SFS14P16	SFS14P20	SFS14P30	SFS14P32	SFS14P45	SFS14P47
3/8" BSPP	—	—	—	—	—	—	SFS38P30	SFS38P32	SFS38P45	SFS38P47
1/2" BSPP	—	—	SFS12P10	SFS12P15	—	—	SFS12P30	SFS12P32	SFS12P45	SFS12P47
3/4" BSPP	—	—	—	—	—	—	SFS34P30	—	—	—

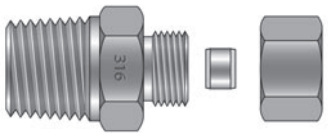
Thread Size	To suit probes with the following diameters									
	7/32" 5.5mm	6.0mm	(1/4") 6.4mm	(5/16") 7.9mm	8.0mm	(3/8") 9.5mm	12.0mm	(1/2") 12.7mm	(5/8") 15.9mm	(13/16") 21.3mm
1/8" BSPP	SFS18P55	SFS18P60	SFS18P64	—	—	—	—	—	—	—
1/4" BSPP	SFS14P55	SFS14P60	SFS14P64	SFS14P79	SFS14P80	—	—	—	—	—
3/8" BSPP	SFS38P55	SFS38P60	SFS38P64	SFS38P79	SFS38P80	SFS38P95	—	SFS38P127	—	—
1/2" BSPP	SFS12P55	SFS12P60	SFS12P64	SFS12P79	SFS12P80	SFS12P95	SFS12P120	SFS12P127	SFS12P159	—
3/4" BSPP	—	SFS34P60	SFS34P64	SFS34P79	SFS34P80	SFS34P95	SFS34P120	SFS34P127	SFS34P159	SFS34P213
1" BSPP	—	SFS1P60	SFS1P64	SFS1P79	SFS1P80	—	SFS1P120	SFS1P127	SFS1P159	SFS1P213

Other thread sizes are available, please contact us for details.

Compression Fittings

SFS Single Ferrule 316 Stainless Steel Fittings - NPT Threads







Spare / replacement olives are available.
Please see page 8 for details.

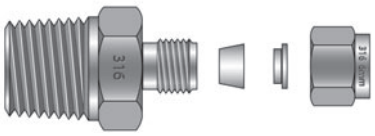
Thread Size	To suit probes with the following diameters									
	0.5mm	0.75mm	1.0mm	1.5mm	(1/16") 1.6mm	2.0mm	3.0mm	(1/8") 3.2mm	4.5mm	(3/16") 4.76mm
1/16" NPT	SFS116N05	—	SFS116N10	SFS116N15	SFS116N16	SFS116N20	SFS116N30	—	—	—
1/8" NPT	SFS18N05	—	SFS18N10	SFS18N15	SFS18N16	SFS18N20	SFS18N30	SFS18N32	SFS18N45	SFS18N47
1/4" NPT	—	—	SFS14N10	SFS14N15	SFS14N16	SFS14N20	SFS14N30	SFS14N32	SFS14N45	SFS14N47
3/8" NPT	—	—	—	—	—	—	SFS38N30	SFS38N32	SFS38N45	SFS38N47
1/2" NPT	—	—	SFS12N10	SFS12N15	—	—	SFS12N30	SFS12N32	SFS12N45	SFS12N47
3/4" NPT	—	—	—	—	—	—	SFS34N30	—	—	—

Thread Size	To suit probes with the following diameters									
	(7/32") 5.5mm	6.0mm	(1/4") 6.4mm	(5/16") 7.9mm	8.0mm	(3/8") 9.5mm	12.0mm	(1/2") 12.7mm	(5/8") 15.9mm	(13/16") 21.3mm
1/8" NPT	SFS18N55	SFS18N60	SFS18N64	—	—	—	—	—	—	—
1/4" NPT	SFS14N55	SFS14N60	SFS14N64	SFS14N79	SFS14N80	—	—	—	—	—
3/8" NPT	SFS38N55	SFS38N60	SFS38N64	SFS38N79	SFS38N80	SFS38N95	—	SFS38N127	—	—
1/2" NPT	SFS12N55	SFS12N60	SFS12N64	SFS12N79	SFS12N80	SFS12N95	SFS12N120	SFS12N127	SFS12N159	—
3/4" NPT	—	SFS34N60	SFS34N64	SFS34N79	SFS34N80	SFS34N95	SFS34N120	SFS34N127	SFS34N159	SFS34N213
1" NPT	—	SFS1N60	SFS1N64	SFS1N79	SFS1N80	—	SFS1N120	SFS1N127	SFS1N159	SFS1N213

Other thread sizes are available, please contact us for details.

DFS Double Ferrule 316 Stainless Steel Fittings - BSPT Threads







Spare / replacement olive sets are available.
Please contact us for details.

Double Ferrule
The double ferrule system gives a tighter seal against the media. When tightened, the front ferrule creates a full-face seal on the tapered mouth of the fitting whilst the rear ferrule provides a mechanical grip on the sensor itself. In this design front and rear ferrules move axially instead of in a rotary motion so no torque is transferred to the sensor during installation.

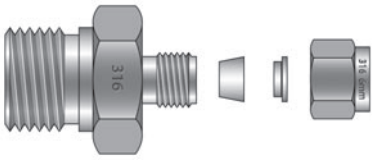
Thread Size	To suit probes with the following diameters						
	3.0mm	(1/8") 3.2mm	4.5mm	(3/16") 4.76mm	6.0mm	(1/4") 6.4mm	(5/16") 7.9mm
1/16" BSPT	DFS116T30	—	—	—	—	—	—
1/8" BSPT	DFS18T30	DFS18T32	DFS18T45	DFS18T47	DFS18T60	DFS18T64	—
1/4" BSPT	DFS14T30	DFS14T32	DFS14T45	DFS14T47	DFS14T60	DFS14T64	DFS14T79
3/8" BSPT	DFS38T30	DFS38T32	DFS38T45	DFS38T47	DFS38T60	DFS38T64	DFS38T79
1/2" BSPT	DFS12T30	DFS12T32	DFS12T45	DFS12T47	DFS12T60	DFS12T64	DFS12T79
3/4" BSPT	—	—	—	—	DFS34T60	DFS34T64	DFS34T79
1" BSPT	—	—	—	—	DFS1T60	DFS1T64	DFS1T79

Thread Size	To suit probes with the following diameters						
	8.0mm	(3/8") 9.5mm	12.0mm	(1/2") 12.7mm	(5/8") 15.9mm	(3/4") 19.5mm	(13/16") 21.3mm
1/8" BSPT	—	—	—	—	—	—	—
1/4" BSPT	DFS14T80	—	—	—	—	—	—
3/8" BSPT	DFS38T80	DFS38T95	—	DFS38T127	—	—	—
1/2" BSPT	DFS12T80	DFS12T95	DFS12T120	DFS12T127	DFS12T159	—	—
3/4" BSPT	DFS34T80	DFS34T95	DFS34T120	DFS34T127	DFS34T159	DFS34T195	DFS34T213
1" BSPT	DFS1T80	—	DFS1T120	DFS1T127	DFS1T159	DFS1T195	DFS1T213

Other thread sizes are available, please contact us for details.

DFS Double Ferrule 316 Stainless Steel Fittings - BSPP Threads







Spare / replacement olive sets are available. Please contact us for details.

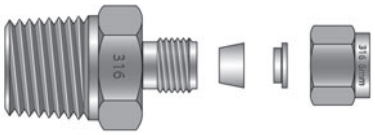
Thread Size	To suit probes with the following diameters						
	3.0mm	(1/8") 3.2mm	4.5mm	(3/16") 4.76mm	6.0mm	(1/4") 6.4mm	(5/16") 7.9mm
1/16" BSPP	DFS116P30	—	—	—	—	—	—
1/8" BSPP	DFS18P30	DFS18P32	DFS18P45	DFS18P47	DFS18P60	DFS18P64	—
1/4" BSPP	DFS14P30	DFS14P32	DFS14P45	DFS14P47	DFS14P60	DFS14P64	DFS14P79
3/8" BSPP	DFS38P30	DFS38P32	DFS38P45	DFS38P47	DFS38P60	DFS38P64	DFS38P79
1/2" BSPP	DFS12P30	DFS12P32	DFS12P45	DFS12P47	DFS12P60	DFS12P64	DFS12P79
3/4" BSPP	—	—	—	—	DFS34P60	DFS34P64	DFS34P79
1" BSPP	—	—	—	—	DFS1P60	DFS1P64	DFS1P79

Thread Size	To suit probes with the following diameters						
	8.0mm	(3/8") 9.5mm	12.0mm	(1/2") 12.7mm	(5/8") 15.9mm	(3/4") 19.5mm	(13/16") 21.3mm
1/8" BSPP	—	—	—	—	—	—	—
1/4" BSPP	DFS14P80	—	—	—	—	—	—
3/8" BSPP	DFS38P80	DFS38P95	—	DFS38P127	—	—	—
1/2" BSPP	DFS12P80	DFS12P95	DFS12P120	DFS12P127	DFS12P159	—	—
3/4" BSPP	DFS34P80	DFS34P95	DFS34P120	DFS34P127	DFS34P159	DFS34P195	DFS34P213
1" BSPP	DFS1P80	—	DFS1P120	DFS1P127	DFS1P159	DFS1P195	DFS1P213

Other thread sizes are available, please contact us for details.

DFS Double Ferrule 316 Stainless Steel Fittings - NPT Threads







Spare / replacement olive sets are available. Please contact us for details.

Thread Size	To suit probes with the following diameters						
	3.0mm	(1/8") 3.2mm	4.5mm	(3/16") 4.76mm	6.0mm	(1/4") 6.4mm	(5/16") 7.9mm
1/16" NPT	DFS116N30	—	—		—	—	—
1/8" NPT	DFS18N30	DFS18N32	DFS18N45	DFS18N47	DFS18N60	DFS18N64	—
1/4" NPT	DFS14N30	DFS14N32	DFS14N45	DFS14N47	DFS14N60	DFS14N64	DFS14N79
3/8" NPT	DFS38N30	DFS38N32	DFS38N45	DFS38N47	DFS38N60	DFS38N64	DFS38N79
1/2" NPT	DFS12N30	DFS12N32	DFS12N45	DFS12N47	DFS12N60	DFS12N64	DFS12N79
3/4" NPT	—	—	—	—	DFS34N60	DFS34N64	DFS34N79
1" NPT	—	—	—	—	DFS1N60	DFS1N64	DFS1N79

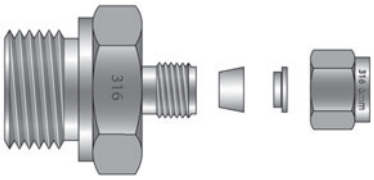
Thread Size	To suit probes with the following diameters						
	8.0mm	(3/8") 9.5mm	12.0mm	(1/2") 12.7mm	(5/8") 15.9mm	(3/4") 19.5mm	(13/16") 21.3mm
1/8" NPT	—	—	—	—	—	—	—
1/4" NPT	DFS14N80	—	—	—	—	—	—
3/8" NPT	DFS38N80	DFS38N95	—	DFS38N127	—	—	—
1/2" NPT	DFS12N80	DFS12N95	DFS12N120	DFS12N127	DFS12N159	—	—
3/4" NPT	DFS34N80	DFS34N95	DFS34N120	DFS34N127	DFS34N159	DFS34N195	DFS34N213
1" NPT	DFS1N80	—	DFS1N120	DFS1N127	DFS1N159	DFS1N195	—

Other thread sizes are available, please contact us for details.

Compression Fittings

DFSM Double Ferrule 316 Stainless Steel Fittings - Metric Threads







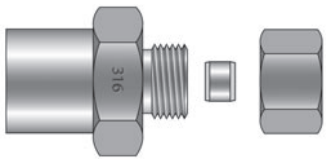
Spare / replacement olive sets are available. Please contact us for details.

Thread Size	To suit probes with the following diameters					
	3.0mm	3.2mm	4.5mm	6.0mm	6.4mm	8.0mm
M6	—	—	—	—	—	—
M8	DFSM8-30	DFSM8-32	DFSM8-45	—	—	—
M10	DFSM10-30	—	DFSM10-45	DFSM10-60	—	—
M12	DFSM12-30	—	DFSM12-45	DFSM12-60	—	DFSM12-80
M14	DFSM14-30	—	—	DFSM14-60	—	DFSM14-80
M16	DFSM16-30	—	—	DFSM16-60		
M20	DFSM20-30	DFSM20-32	DFSM20-45	DFSM20-60	—	—
M24	DFSM24-30	DFSM24-32	DFSM24-45	DFSM24-60	DFSM24-64	—

Other thread sizes are available, please contact us for details.

SFSB Single Ferrule 316 Stainless Steel Fittings - Blank Threads





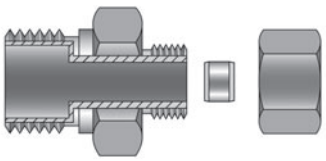


Spare / replacement olives are available. Please see page 8 for details.

Thread Size	To suit probes with the following diameters			
	1.0mm	1.5mm	2.0mm	3.0mm
Blank	SFSB10	SFSB15	SFSB20	SFSB30

SFSM Single Ferrule, Counter Bored 316 Stainless Steel Fittings - Metric Threads







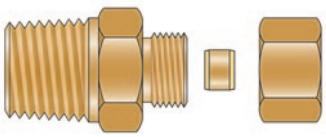
Spare / replacement olives are available. Please see page 8 for details.

Thread Size	To suit probes with the following diameters								
	1.0mm	1.5mm	2.0mm	3.0mm	4.5mm	(3/16") 4.76mm	(7/32") 5.5mm	6.0mm	8.0mm
M16	SFSM16-10CB	SFSM16-15CB	SFSM16-20CB	SFSM16-30CB	SFSM16-45CB	—	SFSM16-55CB	SFSM16-60CB	SFSM16-80CB
M18	—	—	—	——	—	—	—	SFSM18-60CB	—
M20	SFSM20-10CB	SFSM20-15CB	SFSM20-20CB	SFSM20-30CB	SFSM20-45CB	SFSM20-47CB	SFSM20-55CB	SFSM20-60CB	SFSM20-80CB
M24	—	SFSM24-15CB	—	SFSM24-30CB	—	—	—	SFSM24-60CB	—

Other thread sizes are available, please contact us for details.

SFB Single Ferrule Brass Fittings - BSPT Threads







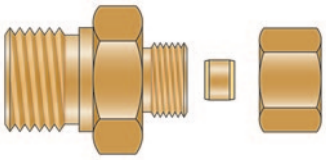
Spare / replacement olives are available.
Please see page 8 for details.

Thread Size	To suit probes with the following diameters											
	1.0mm	1.5mm	(1/16") 1.6mm	2.0mm	3.0mm	(1/8") 3.2mm	4.5mm	(3/16") 4.76mm	6.0mm	(1/4") 6.4mm	8.0mm	(1/2") 12.7mm
1/8" BSPT	SFB18T10	SFB18T15	SFB18T16	SFB18T20	SFB18T30	SFB18T32	SFB18T45	SFB18T47	SFB18T60	SFB18T64	—	—
1/4" BSPT	—	SFB14T15	SFB14T16	SFB14T20	SFB14T30	SFB14T32	SFB14T45	SFB14T47	SFB14T60	SFB14T64	—	—
3/8" BSPT	—	—	—	—	SFB38T30	—	SFB38T45	—	SFB38T60	SFB38T64	—	—
1/2" BSPT	—	—	—	—	SFB12T30	SFB12T32	SFB12T45	SFB12T47	SFB12T60	SFB12T64	SFB12T80	SFB12T127
3/4" BSPT	—	—	—	—	SFB34T30	—	—	—	SFB34T60	—	—	SFB34T127

Other thread sizes are available, please contact us for details.

SFB Single Ferrule Brass Fittings - BSPP Threads







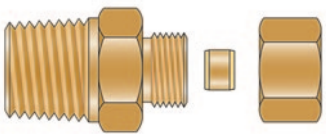
Spare / replacement olives are available.
Please see page 8 for details.

Thread Size	To suit probes with the following diameters											
	1.0mm	1.5mm	(1/16") 1.6mm	2.0mm	3.0mm	(1/8") 3.2mm	4.5mm	(3/16") 4.76mm	6.0mm	(1/4") 6.4mm	8.0mm	(1/2") 12.7mm
1/8" BSPP	SFB18P10	SFB18P15	SFB18P16	SFB18P20	SFB18P30	SFB18P32	SFB18P45	SFB18P47	SFB18P60	SFB18P64	—	—
1/4" BSPP	—	SFB14P15	SFB14P16	SFB14P20	SFB14P30	SFB14P32	SFB14P45	SFB14P47	SFB14P60	SFB14P64	—	—
3/8" BSPP	—	—	—	—	SFB38P30	—	SFB38P45	—	SFB38P60	SFB38P64	—	—
1/2" BSPP	—	—	—	—	SFB12P30	SFB12P32	SFB12P45	SFB12P47	SFB12P60	SFB12P64	SFB12P80	SFB12P127
3/4" BSPP	—	—	—	—	SFB34P30	—	—	—	SFB34P60	—	—	SFB34P127

Other thread sizes are available, please contact us for details.

SFB Single Ferrule Brass Fittings - NPT Threads







Spare / replacement olives are available.
Please see page 8 for details.

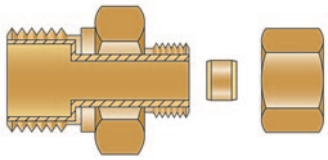
Thread Size	To suit probes with the following diameters											
	1.0mm	1.5mm	(1/16") 1.6mm	2.0mm	3.0mm	(1/8") 3.2mm	4.5mm	(3/16") 4.76mm	6.0mm	(1/4") 6.4mm	8.0mm	(1/2") 12.7mm
1/8" NPT	SFB18N10	SFB18N15	SFB18N16	SFB18N20	SFB18N30	SFB18N32	SFB18N45	SFB18N47	SFB18N60	SFB18N64	—	—
1/4" NPT	—	SFB14N15	SFB14N16	SFB14N20	SFB14N30	SFB14N32	SFB14N45	SFB14N47	SFB14N60	SFB14N64	—	—
3/8" NPT	—	—	—	—	SFB38N30	—	SFB38N45	—	SFB38N60	SFB38N64	—	—
1/2" NPT	—	—	—	—	SFB12N30	SFB12N32	SFB12N45	SFB12N47	SFB12N60	SFB12N64	SFB12N80	SFB12N127
3/4" NPT	—	—	—	—	SFB34N30	—	—	—	SFB34N60	—	—	SFB34N127

Other thread sizes are available, please contact us for details.

Compression Fittings

SFBM Single Ferrule, Counter Bored Brass Fittings - Metric Threads







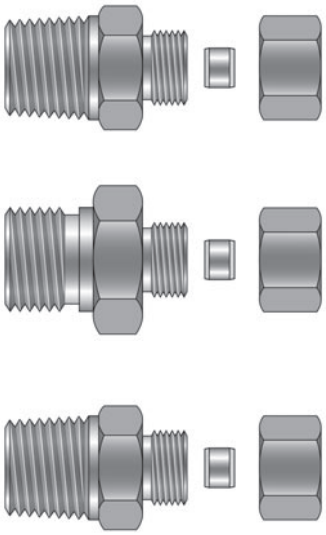
Spare / replacement olives are available. Please see below for details.

Thread Size	To suit probes with the following diameters								
	1.0mm	1.5mm	2.0mm	3.0mm	4.5mm	(3/16") 4.76mm	(7/32") 5.5mm	6.0mm	8.0mm
M16	SFBM16-10CB	SFBM16-15CB	SFBM16-20CB	SFBM16-30CB	SFBM16-45CB	—	SFBM16-55CB	SFBM16-60CB	SFBM16-80CB
M20	SFBM20-10CB	SFBM20-15CB	SFBM20-20CB	SFBM20-30CB	SFBM20-45CB	—	SFBM20-55CB	SFBM20-60CB	SFBM20-80CB
M24	—	—	—	SFBM24-30CB	—	—	—	SFBM24-60CB	—

Other thread sizes are available, please contact us for details.

SFNB Single Ferrule Nickel Plated Brass Fittings - BSPT, BSPP and NPT Threads





Thread Size	To suit probes with the following diameters			
	1.5mm	3.0mm	4.5mm	6.0mm
1/8" BSPT	SFNB18T15	SFNB18T30	SFNB18T45	SFNB18T60
1/4" BSPT	SFNB14T15	SFNB14T30	SFNB14T45	SFNB14T60
1/2" BSPT	—	SFNB12T30	—	SFNB12T60
1/8" BSPP	SFNB18P15	SFNB18P30	SFNB18P45	SFNB18P60
1/4" BSPP	SFNB14P15	SFNB14P30	SFNB14P45	SFNB14P60
1/2" BSPP	—	SFNB12P30	—	SFNB12P60
1/2" NPT	—	SFNB12N30	—	SFNB12N60

Other thread sizes are available, please contact us for details.
Olives are Nickel Plated Brass, however the plating can wear under compression.

O Replacement Single Ferrule Olives in Stainless Steel, Brass and PTFE



Single Ferrule (SF)

Style and Material	To suit probes with the following diameters							
	0.5mm	0.75mm	1.0mm	1.5mm	2.0mm	3.0mm	(1/8") 3.2mm	4.5mm
SF Style St./St.	0-316-40-05	0-316-45-075	0-316-45-10	0-316-45-15	0-316-45-20	0-316-45-30	0-316-45-32	0-316-60-45
SF Style Brass	—	—	0-BRA-45-10	0-BRA-45-15	0-BRA-45-20	0-BRA-45-30	0-BRA-45-32	—
SF Style PTFE	—	—	0-PTFE-60-10	0-PTFE-60-15	0-PTFE-60-20	0-PTFE-60-30	—	0-PTFE-60-45
Style and Material	**To suit probes with the following diameters**							
	4.76mm	6.0mm	(1/4") 6.4mm	8.0mm	9.5mm	12mm	(1/2") 12.7mm	(5/8") 15.9mm
SF Style St./St.	0-316-60-47	0-316-60-60	0-316-60-64	0-316-60-80	0-316-60-95	0-316-60-120	0-316-60-127	0-316-60-159
SF Style Brass	—	0-BRA-60-60	—	0-BRA-60-80	—	—	—	—
SF Style PTFE	—	0-PTFE-60-60	—	0-PTFE-60-80	—	—	—	—

Other sizes are available, please contact us for details.

Notes

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