



BRAIDED STAINLESS STEEL PTFE-LINED HOSE & FITTINGS



Flexolite PTFE-lined hose is made of extruded PTFE tube with a bright stainless steel wire outer braid. This makes the hose ideal for hydraulic brake and clutch systems, as well as fuel systems and small-bore gauge hoses. The inert PTFE liner is not affected by brake fluid, petrol, diesel or Methanol fuels or additives, and is impermeable to vapours. The stainless braid prevents expansion of the hose under pressure, which can provide improved braking performance compared with rubber hoses.

Flexolite's range of fittings covers most applications from vintage to modern vehicles and we are able to make small batches to suit customers' requirements. We are happy to supply individual components for self-assembly or supply ready-made kits for specific vehicles (we have vehicle specifications going back to 1927).

PTFE-lined hose is available in the sizes shown below. For larger bore hoses we have a range of rubber and rubber-lined hose; ask for details. S03 PTFE hose can be supplied with a black Nylon cover if requested; S06 hose can be supplied with an anti-static inner liner for use where static build-up can cause problems.

PART No.:	SIZE	INSIDE DIAMETER	OUTSIDE DIAMETER	WORKING PRESSURE	BURST PRESSURE	BEND RADIUS
S03	-03	3.30mm	6.35mm	3,000psi	12,000psi	38.0mm
S04	-04	4.80mm	7.60mm	3,000psi	12,000psi	51.0mm
S06	-06	8.00mm	10.7mm	2,500psi	10,000psi	100mm

SHORT MALE



Part No.:	Thread Detail:	Hose size:	Detail/Note:	Material
SO0M-03	3/8UNF	-03	Concave seat	P, C
SO0M-03-31	M10x1.00	-03	Concave seat	P, C
SO0M-03-33	M10x1.25	-03	Concave seat	P, C
SO0M-03-51	1/8BSPP	-03	Concave seat	P
SO1M-03	3/8UNF	-03	Convex seat	P, C
SO1M-03-82	3/8BSF	-03	Convex seat	P
SO1M-03-31	M10x1.00	-03	Convex seat	P, C
SO1M-03-33	M10x1.25	-03	Convex seat	P, C
SO1M-03-51	1/8BSP	-03	Concave seat - v. rare	P
SO1M-04	7/16UNF	-04	Convex seat	P
SO1M-04-03	7/16UNF	-03	Jump size/convex seat	P
SO2M-03	3/8UNF	-03	Flat seat	P
SO2M-03-38	M12x1.00	-03	Flat seat	P
SO2M-03-71	1/8NPT	-03	Tapered thread	P
SO2M-04-05	1/2UNF	-04	Flat seat	P
SO2M-04-XX	11/16ANFS	-04	Early Lockheed, 26tpi	P

Material: P = passivated zinc-plated mild steel; C = stainless steel; D = aluminium alloy

MALE BULKHEAD*



Part No.:	Thread Detail:	Hose size:	Detail/Note:	Material
SO3M-03	3/8UNF	-03	Convex seat	P, C
SO3M-03BS	3/8UNF	-03	Contains bleed-screw	P
SO3M-03-12	7/16UNF	-03	Jump size/Convex seat	P
SO3M-03-31	M10x1.00	-03	Convex seat	P, C
SO3M-03-33	M10x1.25	-03	Convex seat	P, C
SO3M-03-51	1/8BSPP	-03	Concave seat	P
SO3M-04	7/16UNF	-04	Convex seat	P, C
SO3M-04--13	1/2UNF	-04	Convex seat	P
SO3M-04-38	M12x1.00	-03	Convex seat	P

* Use F135/11 locknut

FEMALE BULKHEAD (EXTERNAL LOCATING THREAD*)



Part No.:	Thread Detail:	Hose size:	Detail/Note:	Material
S48F-03	3/8UNF	-03	Concave seat	P
S48F-03+	3/8UNF	-03	Concave deep seat	P
S48F-03-12	7/16UNF	-03	Jump size/Concave seat	P
S48F-04	7/16UNF	-04	Concave seat	P
S48F-04X	7/16x24tpi	-04	Concave seat	P
S49F-03-31	M10x1.00	-03	Concave seat	P, D
S49F-03-32	M10x1.25	-03	Concave seat	P
S49F-03-38	M12x1.00	-03	Concave seat	P
S49F-03-82	3/8BSF	-03	Concave seat	P
S49F-04-38	M12x1.00	-04	Concave seat	P
S50F-03-31	M10x1.00	-03	Convex seat	P
S50F-03-32	M10x1.25	-03	Convex seat	P
S50F-03-38	M12x1.00	-03	Convex seat	P
S50F-03-39	M12x1.25	-03	Convex seat	P
S50F-04-38	M12x1.00	-04	Convex seat	P
S56F-03	3/8UNF	-03	Convex seat	P
S56F-04	7/16UNF	-04	Convex seat	P

*Use 2K8686 locknut

FEMALE BULKHEAD (CIRCLIP LOCATION)



Part No.:	Thread Detail:	Hose size:	Detail/Note:	Material
S58F-03	3/8UNF	-03	Concave seat	P
S58F-03-31	M10x1.00	-03	Concave seat	P
S58F-03-32	M10x1.25	-03	Concave seat	P
S59F-03	3/8UNF	-03	Convex seat	P
S59F-03-31	M10x1.00	-03	Convex seat	P
S59F-03-32	M10x1.25	-03	Convex seat	P

Material: P = passivated zinc-plated mild steel; C = stainless steel; D = aluminium alloy

FIXED FEMALE



Part No.:	Thread Detail:	Hose size:	Detail/Note:	Material
FOVW-31	M10x1.00	-03	Concave seat	P, C

STRAIGHT FEMALE (SWIVELLING)



Part No.:	Thread Detail:	Hose size:	Detail/Note:	Material
S000-03	3/8UNF	-03	Concave seat	P, C, D
S000-04	7/16UNF	-04	Concave seat	P, C, D
S000-06	9/16UNF	-06	Concave seat	P, D
S000-03-35	M10x1.00	-03	Concave seat	P, D
S000-04-40	M12x1.50	-04	Concave seat	D
S000-06-42	M14x1.50	-06	Concave seat	D
S000-03-51	1/8BSP	-03	Convex seat	P
S000-03-51F	1/8BSP	-03	Flat seat (gauges)	P
S000-04-52	1/4BSP	-04	Convex seat	P
S000-06-53	3/8BSP	-06	Convex seat	P

45° TUBE FEMALE (SWIVELLING)



Part No.:	Thread Detail:	Hose size:	Detail/Note:	Material
S45T-03	3/8UNF	-03	Concave seat	P, C, D
S45T-04	7/16UNF	-04	Concave seat	P, D
S45T-06	9/16UNF	-06	Concave seat	P, D
S45T-03-35	M10x1.00	-03	Concave seat	D
S45T-03-51	1/8BSP	-03	Convex seat	P
S45T-03-51F	1/8BSP	-03	Flat seat (gauges)	P
S45T-04-52	1/4BSP	-04	Convex seat	P
S45T-06-53	3/8BSP	-06	Convex seat	P

45° FORGED FEMALE (SWIVELLING)



Part No.:	Thread Detail:	Hose size:	Detail/Note:	Material
S45B-03	3/8UNF	-03	Concave seat	P, C, D
S45B-04	7/16UNF	-04	Concave seat	C, D
S45B-06	9/16UNF	-06	Concave seat	C, D

Material: P = passivated zinc-plated mild steel; C = stainless steel; D = aluminium alloy

45° FORGED FEMALE (DOUBLE SWIVEL)



Part No.:	Thread Detail:	Hose size:	Detail/Note:	Material
S245B-03	3/8UNF	-03	Concave seat	C, D
S245B-04	7/16UNF	-04	Concave seat	C, D
S245B-06	9/16UNF	-06	Concave seat	C, D

90° TUBE FEMALE (SWIVELLING)



Part No.:	Thread Detail:	Hose size:	Detail/Note:	Material
S90T-03	3/8UNF	-03	Concave seat	P, C, D
S90T-04	7/16UNF	-04	Concave seat	P, C, D
S90T-06	9/16UNF	-06	Concave seat	P, C, D
S90T-03-35	M10x1.00	-03	Concave seat	P
S90T-03-51	1/8BSP	-03	Convex seat	P
S90T-03-51F	1/8BSP	-03	Flat seat (gauges)	P
S90T-04-52	1/4BSP	-04	Convex seat	P
S90T-06-53	3/8BSP	-06	Convex seat	P



Part No.:	Thread Detail:	Hose size:	Detail/Note:	Material
S90B-03	3/8UNF	-03	Concave seat	P, C, D
S90B-04	7/16UNF	-04	Concave seat	C, D
S90B-06	9/16UNF	-06	Concave seat	C, D

90° FORGED FEMALE (SWIVELLING)



Part No.:	Thread Detail:	Hose size:	Detail/Note:	Material
S290B-03	3/8UNF	-03	Concave seat	P, C, D

90° FORGED FEMALE (DOUBLE SWIVEL)

120° FEMALE SWIVELLING



Part No.:	Thread Detail:	Hose size:	Detail/Note:	Material
S120-03	3/8UNF	-03	Concave seat	P, C, D
S120-04	7/16UNF	-04	Concave seat	C, D
S120-06	9/16UNF	-06	Concave seat	C, D

Material: P = passivated zinc-plated mild steel; C = stainless steel; D = aluminium alloy

150° FEMALE SWIVELLING



Part No.:	Thread Detail:	Hose size:	Detail/Note:	Material
S150-03	3/8UNF	-03	Concave seat	P

180° FEMALE SWIVELLING



Part No.:	Thread Detail:	Hose size:	Detail/Note:	Material
S180-03	3/8UNF	-03	Concave seat	P

SHORT NECK BANJO*



Part No.:	Hole Diameter	Hose size:	Detail/Note:	Material
SB91-03	3/8"/10mm	-03		P, C, D
SB91-03-04	7/16"	-03	Jump size	P, C, D
SB91-03-M12	12.0mm	-03	Jump size	P
SB91-04	7/16"	-04		P, C

* 16mm height. Use long banjo bolts

EXTENDED NECK BANJO



Part No.:	Hole Diameter	Hose size:	Detail/Note:	Material
SB92-03-02	5/16"/8mm	-03	Jump size	P, C, D
SB92-03	3/8"/10mm	-03		P, C, D
SB92-03-04	7/16"	-03	Jump size	P
SB92-03-M12	12.0mm	-03	Jump size (BMW Mini)	P
SB92-04	7/16"	-04		P



20° EXTENDED NECK BANJO

Part No.:	Hole Diameter	Hose size:	Detail/Note:	Material
SB93-03	3/8"/10mm	-03		P, C, D
SB93-03-04	7/16"	-03	Jump size	P
SB93-03SW	3/8"/10mm	-03	Swivelling banjo	P
SB97-03	3/8"/10mm	-03	Side-bend	P, C, D
SB93-04	7/16"	-04		P

Material: P = passivated zinc-plated mild steel; C = stainless steel; D = aluminium alloy

45° EXTENDED NECK BANJO



Part No.:	Hole Diameter	Hose size:	Detail/Note:	Material
SB94-03	3/8"/10mm	-03		P, C, D

90° EXTENDED NECK BANJO



Part No.:	Hole Diameter	Hose size:	Detail/Note:	Material
SB99-03	3/8"/10mm	-03		P, C, D

STRAIGHT TWIN BANJO*



Part No.:	Hole Diameter	Hose size:	Detail/Note:	Material
SB95-03	3/8"/10mm	-03		P, C, D
SB95-03-04	7/16"	-03	Jump size	P

*16mm height. Use long banjo bolts.

EXTENDED NECK TWIN BANJO



Part No.:	Hole Diameter	Hose size:	Detail/Note:	Material
SB98-03	3/8"/10mm	-03		P, C, D

90° TWIN BANJO*



Part No.:	Hole Diameter	Hose size:	Detail/Note:	Material
SB96-03	3/8"/10mm	-03		P, C, D

*16mm height. Use long banjo bolts.

Material: P = passivated zinc-plated mild steel; C = stainless steel; D = aluminium alloy

THREE HOSE-END TEE-PIECE



Part No.:	Hose size:	Detail/Note:	Material
S335-03	-03		C

IN-LINE SWITCH BLOCK



Part No.:	Hose size:	Detail/Note:	Material
S335-03	-03	Hole tapped 1/8NPTF	C

OLIVES FOR S-TYPE HOSE



Part No.:	Hose size:	Material
F03	-03	B, C, D
F04	-04	B
F06	-06	B

SOCKETS FOR S-TYPE HOSE



Part No.:	Hose size:	Material
FS03	-03	P, C, D
FS04	-04	P, C, D
FS06	-06	P, D

LOCKNUTS FOR S-TYPE HOSE ENDS

Part No.:	Thread:	Material
F135/11	3/8x24UNF	P, C, D



F135/12	7/16x20UNF	
F135/35	M10x1.00	P, C, D
F135/36	M10x1.25	P, C
F135/38	M12x1.00	P
2K8686	5/8x26Whit	P

Material: P = passivated zinc-plated mild steel; C = stainless steel; D = aluminium alloy; B= brass

BANJO BOLTS FOR BRAKE FITTINGS

SINGLE BANJO BOLT



Part No.:	Thread:	Detail/Note:	Material
F118/11	3/8x24UNF	Standard length (3/4") for extended neck banjo	P, C, D
F118/11L	3/8x24UNF	Long bolt (1.0")	P, C, D
F118/11/12	3/8x24UNF	Stepped shank 7/16" dia.	P
F118/12	7/16x20UNF	Standard length (3/4")	P, C, D
F118/12L	7/16x20UNF	Long bolt (1.25")	P
F118/HD	7/16x24UNF	Long bolt (1.25")	P, C
F118/33	M8x1.00	Standard length (17mm)	P
F118/34	M8x1.25	Stepped shank (10mm)	C
F118/35	M10x1.00	Standard length (20mm)	P, C, D
F118/35L	M10x1.00	Long bolt (25mm)	P, C, D
F118/36	M10x1.25	Standard length (20mm)	P, C, D
F118/36L	M10x1.25	Long bolt (25mm)	P, C, D
F118/38	M12x1.00	Standard length (25mm)	P
X118/51	1/8x28BSP	Standard length (3/4")	P
X118/52	1/4x 19BSP	Standard length (1.125")	P
X118/xx	3/8x16UNC	Standard length (3/4")	P, C

DOUBLE BANJO BOLT



Part No.:	Thread:	Detail/Note:	Material
F119/11	3/8x24UNF	Std length (1.188")	P, C, D
F119/11L	3/8x24UNF	Long bolt (1.250")	P, C, D
F119/12	7/16x20UNF	Std. length (1.375")	P
F118/HD	7/16x24UNF	Std. length (1.375")	P, C
F119/35	M10x1.00	Std. length (30mm)	P, C, D
F119/36	M10x1.25	Std. length (30mm)	P, C, D
X119/51	1/8x28BSP	Standard length (1.250")	P
X119/xx	3/8x16UNC	Standard length (1.250")	P, C

BLEED NIPPLE BANJO BOLT



Part No.:	Thread:	Detail/Note:	Material
F168/11	3/8x24UNF	Standard length (3/4") for extended neck banjo	P, C, D
F168/11L	3/8x24UNF	Long bolt (1.0")	P, C, D
F168/35	M10x1.00	Standard length (20mm)	P, C, D
F168/36	M10x1.25	Standard length (20mm)	P, C, D

Material: P = passivated zinc-plated mild steel; C = stainless steel; D = aluminium alloy; B= brass
DOUBLE BLEED NIPPLE BANJO BOLT



Part No.:	Thread:	Detail/Note:	Material
F169/11	3/8x24UNF	Standard length (3/4") for extended neck banjo	P, C, D
F169/11L	3/8x24UNF	Long bolt (1.0")	P, C, D
F169/35	M10x1.00	Standard length (20mm)	P, C, D
F169/36	M10x1.25	Standard length (20mm)	P, C, D

COPPER WASHERS FOR BRAKE FITTINGS AND BANJO BOLTS



Part No.:	Application:
CW03	3/8UNF, M10, 1/8BSP
CW04	7/16 UNF
CWM12	M12
CW52	1/4BSP
CW53	3/8BSP

(For other sizes see section on washers & seals)

Material: P = passivated zinc-plated mild steel; C = stainless steel; D = aluminium alloy; B= brass