



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 |
|------------|----------------|------------|------------------------|----------|
| SOOM-03 | 3/8UNF | -03 | Concave seat | P, C |
| SOOM-03-31 | M10x1.00 | -03 | Concave seat | P, C |
| SOOM-03-33 | M10x1.25 | -03 | Concave seat | P, C |
| SOOM-03-51 | 1/8BSPP | -03 | Concave seat | P |
| SOIM-03 | 3/8UNF | -03 | Convex seat | P, C |
| SOIM-03-82 | 3/8BSF | -03 | Convex seat | P |
| SOIM-03-31 | M10x1.00 | -03 | Convex seat | P, C |
| SOIM-03-33 | M10x1.25 | -03 | Convex seat | P, C |
| SOIM-03-51 | 1/8BSP | -03 | Concave seat - v. rare | P |
| SOIM-04 | 7/16UNF | -04 | Convex seat | P |
| SOIM-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/-- 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 |
|-------------|----------------|------------|--------------------|----------|
| SOOO-03 | 3/8UNF | -03 | Concave seat | P, C, D |
| SOOO-04 | 7/16UNF | -04 | Concave seat | P, C, D |
| SOOO-06 | 9/16UNF | -06 | Concave seat | P, D |
| SOOO-03-35 | M10x1.00 | -03 | Concave seat | P, D |
| SOOO-04-40 | M12x1.50 | -04 | Concave seat | D |
| SOOO-06-42 | M14x1.50 | -06 | Concave seat | D |
| SOOO-03-51 | 1/8BSP | -03 | Convex seat | P |
| SOOO-03-51F | 1/8BSP | -03 | Flat seat (gauges) | P |
| SOOO-04-52 | 1/4BSP | -04 | Convex seat | P |
| SOOO-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