



FST Series

(Straight-Thru Industrial Interchange)



Type: FST Straight-Thru, No valve in either socket or plug.

Interchangeability: Standard industrial interchange design, most widely used in industry. Within each series, only sockets and plugs of the same size will couple together.

Operation: Manual – Socket sleeve must be manually retracted to connect and disconnect.

Options: Ball Lock (BL) – Locks socket against accidental disconnect. To connect, align ball with slot. After connection, rotate sleeve to lock. To disconnect, realign ball with slot and retract sleeve.

Seal Compound: Standard seals are Buna-N

Performance Data Flow: Couplers have same inside diameter as nominal pipe.


Rated Pressure: Rated pressures as defined by ANSI/B93.2-1986, based on 4:1 Safety Factor and non-shock service.


Vacuum Service: 27" Hg maximum


| Body Size | Brass Socket w/ Brass Plug | Brass Socket w/ Steel Plug | S/S Socket w/ S/S Plug |
|-----------|----------------------------|----------------------------|------------------------|
| | PSIG | PSIG | PSIG |
| 1/8" | 2500 | 2600 | 4200 |
| 1/4" | 5200 | 5500 | 6700 |
| 3/8" | 2700 | 3500 | 5500 |
| 1/2" | 2200 | 2700 | 3000 |
| 3/4" | 1700 | 2700 | 3000 |
| 1" | 1700 | 2000 | 1700 |
| 1 1/4" | 1700 | 2700 | - |
| 1 1/2" | 1400 | 2200 | - |

Only Sockets & Plugs with same prefix digits connect together.
Example: 25FS & 25MPB

FST Series Plugs, Straight Thru

| Female Thread |  | Part No. | FPT | Description |
|---------------|---|---------------|------|-------------|
| | | 12FPB | 1/8" | Brass |
| 12FPS | 303 Stainless | | | |
| 25FP | 1/4" | Steel | | |
| 25FPB | | Brass | | |
| 25FPS | | 303 Stainless | | |
| 38FP | 3/8" | Steel | | |
| 38FPB | | Brass | | |
| 38FPS | 303 Stainless | | | |
| 50FP | 1/2" | Steel | | |
| 50FPB | | Brass | | |
| 50FPS | 303 Stainless | | | |
| 75FP | 3/4" | Steel | | |
| 75FPB | | Brass | | |
| 75FPS | 303 Stainless | | | |
| 100FP | 1" | Steel | | |
| 100FPB | | Brass | | |
| 100FPS | 303 Stainless | | | |
| 125FP | 1-1/4" | Steel | | |
| 125FPB | | Brass | | |
| 150FP | 1-1/2" | Steel | | |
| 150FPB | | Brass | | |

| Male Thread |  | Part No. | MPT | Description |
|-------------|---|---------------|------|-------------|
| | | 12MP | 1/8" | Steel |
| 12MPB | Brass | | | |
| 12MPS | 303 Stainless | | | |
| 25MP | 1/4" | Steel | | |
| 25MPB | | Brass | | |
| 25MPS | | 303 Stainless | | |
| 38MP | 3/8" | Steel | | |
| 38MPB | | Brass | | |
| 38MPS | 303 Stainless | | | |
| 50MP | 1/2" | Steel | | |
| 50MPB | | Brass | | |
| 50MPS | 303 Stainless | | | |
| 75MP | 3/4" | Steel | | |
| 75MPB | | Brass | | |
| 75MPS | 303 Stainless | | | |
| 100MP | 1" | Steel | | |
| 100MPB | | Brass | | |
| 100MPS | 303 Stainless | | | |
| 125MP | 1-1/4" | Steel | | |
| 125MPB | | Brass | | |
| 150MP | 1-1/2" | Steel | | |
| 150MPB | | Brass | | |

| Hose Stem |  | Part No. | I.D. | Description |
|-----------|---|----------|------|-------------|
| | | 25HP | 1/4" | Steel |
| 38HPB | 3/8" | Brass | | |
| 75HPB | 3/4" | | | |

See page 142 for full size templates

See page 130 - 131 for optional seal compounds

FST Series Sockets, Straight Thru

| Female Thread | Part No. | FPT | Description |
|---------------|-----------|--------|--------------------------------|
| | | | |
| | 12FS | | Brass |
| | 12FS-101 | | Brass, w/Viton Seal |
| | BL12FS | | Ball Lock, Brass |
| | 12FSS | 1/8" | 303 Stainless |
| | 12FSS-101 | | 303 Stainless, w/Viton Seal |
| | 12FSS-103 | | 303 Stainless, w/EPDM Seal |
| | BL12FSS | | Ball Lock, 303 Stainless Steel |
| | 25FS | | Brass |
| | 25FS-101 | | Brass, w/Viton Seal |
| | BL25FS | | Ball Lock, Brass |
| | 25FS-SWVL | 1/4" | Power Washer Swivel Tip, Brass |
| | 25FSS | | 303 Stainless |
| | 25FSS-101 | | 303 Stainless, w/Viton Seal |
| | 25FSS-103 | | 303 Stainless, w/EPDM Seal |
| | BL25FSS | | Ball Lock, 303 Stainless Steel |
| | 38FS | | Brass |
| | 38FS-101 | | Brass, w/Viton Seal |
| | 38FS-103 | | Brass, w/EPDM Seal |
| | BL38FS | | Ball Lock, Brass |
| | 38FSS | 3/8" | 303 Stainless |
| | 38FSS-101 | | 303 Stainless, w/Viton Seal |
| | 38FSS-103 | | 303 Stainless, w/EPDM Seal |
| | BL38FSS | | Ball Lock, 303 Stainless Steel |
| | 50FS | | Brass |
| | 50FS-101 | | Brass, w/Viton Seal |
| | 50FS-103 | | Brass, w/EPDM Seal |
| | BL50FS | | Ball Lock, Brass |
| | 50FSS | 1/2" | 303 Stainless |
| | 50FSS-101 | | 303 Stainless, w/Viton Seal |
| | 50FSS-103 | | 303 Stainless, w/EPDM Seal |
| | BL50FSS | | Ball Lock, 303 Stainless Steel |
| | 75FS | | Brass |
| | BL75FS | | Ball Lock, Brass |
| | 75FS-101 | | Brass, w/Viton Seal |
| | 75FS-103 | | Brass, w/EPDM Seal |
| | 75FS-104 | 3/4" | Brass, w/Silicone Seal |
| | 75FSS | | 303 Stainless |
| | 75FSS-101 | | 303 Stainless, w/Viton Seal |
| | 75FSS-103 | | 303 Stainless, w/EPDM Seal |
| | BL75FSS | | Ball Lock, 303 Stainless Steel |
| | 100FS | | Brass |
| | 100FS-101 | | Brass, w/Viton Seal |
| | BL100FS | | Ball Lock, Brass |
| | 100FSS | 1" | 303 Stainless |
| | BL100FSS | | Ball Lock, 303 Stainless Steel |
| | 125FS | | Brass |
| | BL125FS | 1-1/4" | Ball Lock, Brass |
| | 125FS-103 | | Brass, w/EPDM Seal |
| | 150FS | | Brass |
| | BL150FS | 1-1/2" | Ball Lock, Brass |



| Male Thread | Part No. | MPT | Description |
|-------------|----------|------|---------------------|
| | | | |
| | 12MS | 1/8" | Brass |
| | BL12MS | | Ball Lock, Brass |
| | 25MS | | Brass |
| | BL25MS | 1/4" | Ball Lock, Brass |
| | 25MS-101 | | Brass, w/Viton Seal |
| | 38MS | | Brass |
| | 38MS-101 | 3/8" | Brass, w/Viton Seal |
| | BL38MS | | Ball Lock, Brass |
| | 50MS | | Brass |
| | 50MS-101 | 1/2" | Brass, w/Viton Seal |
| | BL50MS | | Ball Lock, Brass |
| | 75MS | 3/4" | Brass |
| | BL75MS | | Ball Lock, Brass |
| | 100MS | | Brass |
| | BL100MS | 1" | Ball Lock, Brass |



| Hose Stem | Part No. | I.D. | Description |
|-----------|----------|------|------------------|
| | | | |
| | 38HS | 3/8" | Brass |
| | BL38HS | 3/8" | Ball Lock, Brass |
| | 50HS | 1/2" | Brass |
| | BL50HS | 1/2" | Ball Lock, Brass |

Requires Hose Clamp
(See page 96 for typical hose clamps)



Non-Standard Product Standard Product

See page 142 for full size templates

See page 130 - 131 for optional seal compounds