

TOMCO STRAIGHT THROUGH

SERIES ST

INDUSTRIAL INTERCHANGE

Working Range:
See Pressure Chart Below
Temperature: -40° to +225° F



PLUG



MANUAL COUPLER

Straight Through or "Full Flow" couplers are non-valved and are usually applied in liquid systems needing maximum flow with no restrictions. Some typical applications are in chemical processing, pressure wash, plastic mold coolant lines, on water manifolds, food processing and other liquid handling applications where shut-offs are not needed and full flow is advantageous.

| Body Size | Plug | Plug | Coupler | Coupler |
|------------------------|-----------|-------------|-----------|-------------|
| BRASS | MALE PIPE | FEMALE PIPE | MALE PIPE | FEMALE PIPE |
| 1/8" | SP1M | SP1 | ST1M | ST1 |
| 1/4" | SP2M | SP2 | ST2M | ST2 |
| 3/8" | SP3M | SP3 | ST3M | ST3 |
| 1/2" | SP4M | SP4 | ST4M | ST4 |
| 3/4" | SP6M | SP6 | ST6M | ST6 |
| 1" | SP8M | SP8 | ST8M | ST8 |
| 1-1/4" | SP10M | SP10 | - | ST10 |
| 1-1/2" | SP12M | SP12 | - | ST12 |
| STAINLESS STEEL | | | | |
| 1/8" | SP1M-303 | SP1-303 | ST1M-303 | ST1-303 |
| 1/4" | SP2M-303 | SP2-303 | ST2M-303 | ST2-303 |
| 3/8" | SP3M-303 | SP3-303 | ST3M-303 | ST3-303 |
| 1/2" | SP4M-303 | SP4-303 | ST4M-303 | ST4-303 |
| STEEL | | | | |
| 1/8" | SP1M-S | SP1-S | - | - |
| 1/4" | SP2M-S | SP2-S | - | - |
| 3/8" | SP3M-S | SP3-S | - | - |
| 1/2" | SP4M-S | SP4-S | - | - |
| 3/4" | SP6M-S | SP6-S | - | - |
| 1" | SP8M-S | SP8-S | - | - |
| 1-1/4" | - | - | - | - |
| 1-1/2" | SP12M-S | SP12-S | - | - |

| Working Pressure in PSI | | | Construction | |
|---|-----------------------------|-----------------------------|-------------------------------|--|
| Size | Brass Coupler Steel Plug | Brass Coupler Brass Plug | Stainless Coupler and Plug | Materials |
| 1/8" | 2600 | 2500 | 4200 | Coupler: Brass or 303 Stainless Plug: Steel, Brass or 303 Stainless Seals: Standard for ST series is Nitrile. Viton and EP also Available. Component Parts: Locking Balls; Stainless Sleeve Springs; Stainless |
| 1/4" | 5500 | 5200 | 6700 | |
| 3/8" | 3500 | 2700 | 5500 | |
| 1/2" | 2700 | 2200 | 3000 | |
| 3/4" | 1700 | 1700 | 1700 | |
| 1" | 2000 | 1200 | 1700 | |
| 1-1/4" | 2700 | 1700 | 2200 | |
| 1-1/2" | 2200 | 1400 | 2500 | |
| COUPLER'S MINIMUM BURST PRESSURE = APPROXIMATELY 4 X WORKING PRESSURE | | | | |