

TR-Series TEMA European Interchange

Interchange Data:

- TEMA European Interchange
- TEMA 3800, 5000, 7500, 10000 Series
- CEJN Series 525

Materials:

- Machined components are manufactured using solid Steel bar stock
- Stainless Steel balls, retaining rings, and springs maximise corrosion resistance and extend service life
- Steel componentry is plated using ROHS Compliant Trivalent Chrome
- Steel coupler sleeves are hardened to resist deformation and maximise service life
- Steel nipples are hardened to provide heavy duty performance



Seal Components:

- Nitrile (Buna-N) seals are standard, providing a temperature range of -40°C to +121°C (-40°F to +250°F)
- Couplers have a redundant O-Ring sealing system (dual O-Rings with inner PTFE back-up ring)
- Valve seals are crimped in place to maintain integrity during excessive flow conditions and pressurised connection

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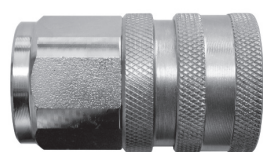
Rated Pressure Chart:

| TR-SERIES TEMA EUROPEAN INTERCHANGE (CONNECTED) | | | | |
|---|--------------------|-----|--------|-------|
| BODY SIZE | STEEL COUPLER/PLUG | | | |
| | MAX. WORKING | | BURST | |
| | PSI | Bar | PSI | Bar |
| 3/8" | 5,000 | 345 | 20,000 | 1,400 |
| 1/2" | 4,000 | 275 | 16,500 | 1,100 |
| 3/4" | 4,000 | 275 | 15,400 | 1,000 |
| 1" | 3,200 | 220 | 12,800 | 900 |

Technical Specifications:

| BODY SIZE | INTERCHANGE STANDARDS | | | | FUNCTIONAL PARAMETERS | | | | |
|-----------|-----------------------|-----------------|-------------------------|---------------------|-----------------------|---------------|------------|----------------|--------------------------------|
| | U.S. MILITARY | U.S. GOVERNMENT | INTERNATIONAL STANDARDS | ANSI/NFPA STANDARDS | LOCKING BALL QUANTITY | AIR INCLUSION | FLUID LOSS | VACUUM INCH HG | FLOW $\Delta P = 22$ PSI L/MIN |
| 3/8" | - | - | - | - | 9 | 2.8cc | 1.9cc | 28 | 38 |
| 1/2" | - | - | - | - | 9 | 3.9cc | 3.1cc | 28 | 56 |
| 3/4" | - | - | - | - | 9 | 10.5cc | 10.1cc | 28 | 98 |
| 1" | - | - | - | - | 9 | 14.7cc | 14.2cc | 28 | 135 |

Quick Release Couplings

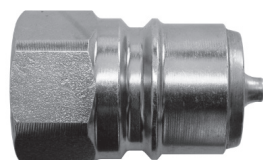


(Female Thread)

TR-SERIES TEMA EUROPEAN INTERCHANGE (COUPLER)

| PART NO. | BODY SIZE | THREAD SIZE | BODY MATERIAL |
|----------|-----------|----------------|---------------|
| 3TRF3 | 3/8" | 3/8"-18 NPTF | Steel |
| 3TRBF3 | 3/8" | 3/8"-19 BSPP | Steel |
| 4TRF4 | 1/2" | 1/2"-14 NPTF | Steel |
| 4TRBF4 | 1/2" | 1/2"-14BSPP | Steel |
| 6TRF6 | 3/4" | 3/4"-14 NPTF | Steel |
| 6TRBF6 | 3/4" | 3/4"-14 BSPP | Steel |
| 8TRF8 | 1" | 1"-11 1/2 NPTF | Steel |
| 8TRBF8 | 1" | 1"-11 BSPP | Steel |

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(Female Thread)

TR-SERIES TEMA EUROPEAN INTERCHANGE (NIPPLE)

| PART NO. | BODY SIZE | THREAD SIZE | BODY MATERIAL |
|----------|-----------|----------------|---------------|
| TR3F3 | 3/8" | 3/8"-18 NPTF | Steel |
| TR3BF3 | 3/8" | 3/8"-19 BSPP | Steel |
| TR4F4 | 1/2" | 1/2"-14 NPTF | Steel |
| TR4BF4 | 1/2" | 1/2"-14 BSPP | Steel |
| TR6F6 | 3/4" | 3/4"-14 NPTF | Steel |
| TR6BF6 | 3/4" | 3/4"-14 BSPP | Steel |
| TR8F8 | 1" | 1"-11 1/2 NPTF | Steel |
| TR8BF8 | 1" | 1"-11 BSPP | Steel |