

# FLUID POWER



VALVES

FITTINGS

TUBING

FLANGES

COUPLINGS

EXPANSION JOINTS

METALS

WORLD WIDE METRIC

## Hydraulic Fittings—CAST S.p.A.



### DIN 2353 Compression Tube Fittings

- Size Range: 4LL–8LL, 6L–42L, 6S–38S
- Port Threads: NPT, BSPP, BSPT, Metric, SAE O-Ring Boss, UNF
- Type: Union, Tees, Elbows, Male Stud Couplings, Female Couplings, Reducers, Bulkhead, Adjustable, DKO Swivels, Banjos, Caps & Plugs, Bonded Washers
- Materials: Carbon Steel Cr-6 Free Plated, Stainless Steel, 316Ti



### SAE J514 37° Flared Tube Fittings

- Size Range: -2 to -32 ( $\frac{1}{8}$ "–2") SAE  $\frac{5}{16}$ "–24" to 2 $\frac{1}{2}$ "–12", 6mm–38mm
- Port Threads: NPT, BSPP, BSPT, Metric, SAE O-Ring Boss, UNF
- Type: Union, Tees, Elbows, Male Stud Couplings, Female Couplings, Reducers, Bulkhead, Adjustable
- Materials: Carbon Steel Cr-6 Free Plated, Stainless Steel, 316Ti



### BSI 5200 Threaded Adaptors

- Size Range:  $\frac{1}{8}$ "–2"
- Port Threads: NPT, BSPP, BSPT, Metric
- Type: Nipples, Couplings, Bushings, Tees, Elbows, Reducers, Swivels
- Materials: Carbon Steel Cr-6 Free Plated, Stainless Steel, 316Ti



### SAE J1453 ORFS Fittings

- Size Range: -4 to -24 ( $\frac{1}{2}$ "–1 $\frac{1}{2}$ ") Tubes: 6mm–38mm ( $\frac{1}{4}$ "–1 $\frac{1}{2}$ ") UNF:  $\frac{9}{16}$ "–8 to 2"–12
- Port Threads: NPT, BSPP, BSPT, Metric, SAE O-Ring Boss, UNF
- Type: Union, Tees, Elbows, Male Stud Couplings, Female Couplings, Reducers, Swivels, Conversion Adaptors, Bulkhead
- Materials: Carbon Steel Cr-6 Free Plated, Stainless Steel, 316Ti



### SAE J516/ J517 Hose, Hose Fittings and Hose Guard

- Hose: SAE 100R1AT and R2AT, SAE 100R16 in 4SP, 4SH and R13
- Thermoplastic hose to SAE 100R7 and Teflon hose to SAE 100R14
- Size Range: -3 to -32 ( $\frac{3}{16}$ "–2")
- Port Threads: NPT, BSPP, BSPT, Metric, SAE O-Ring Boss, UNF
- Flanges: Code 61 & 62 SAE flanges to SAEJ518
- Fitting Materials: Carbon Steel Cr-6 Free Plated, Stainless Steel, 316Ti

## Tubing—Hydraulic



### Carbon Steel Seamless Tubing according to DIN 2391/2445/2, EN10305-4 and SAE J-524

- Available Phosphated and Cr-6 Free
- Size Range: 4mm–60mm O.D. and 1/8"–2" O.D.
- Wall Thickness Range: 1mm–5mm and .035"–.12"
- Grade: St. 37.4 BK and NBK, E235+ N

### Stainless Steel Tubing according to ASTM A213/A269

- Available polished and mill finish
- Size Range: 4 mm–42mm O.D.
- Wall Thickness Range: 1mm– 4mm
- Grade: 304/304L, 316/316L, 316 Ti

## Tubing—Copper Alloys



### Copper Tubes in Straight Lengths and Coiled Form

- Specifications: DIN 1785, BS 2871, JH3300, ASTM B280
- Size Range: 4mm–108mm O.D.
- Wall Thickness Range: 1mm–3mm
- Pancake coils available: 10 and 30 Meter Coils

## Fittings & Adaptors



### Compression Tube Fittings — Metric sizes

### Flared Tube Fittings — Metric and Inch sizes

### Solder Fittings — Metric sizes — Copper Alloys

### Threaded Fittings — NPT and BSP

- Size Range: 4mm–42mm (1/8"–2")
- Threads: NPT, BSPP, BSPT, JIC, JIS, Metric, SAE O-Ring Boss, UNF
- Type: Union, Tees, Elbows, Male Stud Couplings, Female Couplings, Reducers
- Materials: Brass, Bronze, Copper, Malleable Iron, Steel, Stainless Steel



### Conversion Adaptors

- Size Range: 4mm–42mm (1/8"–2")
- Threads: NPT, BSPP, BSPT, JIC, JIS, Metric, SAE O-Ring Boss, UNF
- Type: Union, Tees, Elbows, Couplings, Reducers, Swivels, Nipples, Bushings
- Materials: Carbon Steel, Stainless Steel and Brass



### Tube Clamps

- Size Range: 6mm–42mm (1/8"–2")
- Materials: Polypropylene, Steel and Stainless Steel Weld Plated and Bolts
- Available Standard, Heavy and Twin Series
- Specialty chamfered clamps for hose are also available.



**WORLD WIDE METRIC**

[www.worldwidemetric.com](http://www.worldwidemetric.com)

**Corporate Office — Eastern Region**

37 Readington Road  
Branchburg, NJ 08876  
Tel: 732.247.2300  
Fax: 732.247.7258  
[Info@worldwidemetric.com](mailto:Info@worldwidemetric.com)  
[Sales@worldwidemetric.com](mailto:Sales@worldwidemetric.com)

**Western Region**

16360 Downey Avenue  
Paramount, CA 90723  
Tel: 562.633.4141  
Fax: 562.633.3280

**Gulf Region**

2103 E. Governor's Circle  
Houston, TX 77092  
Tel: 713.682.2400  
Fax: 713.682.2481

**Southeastern Region**

3406 S.W. 26 Terrace, Ste. B-11  
Fort Lauderdale, FL 33312  
Tel: 954.321.0784  
Fax: 954.321.2591

**Midwest Region**

11853 Belden Court  
Livonia, MI 48150  
Tel: 734.206.4350  
Fax: 734.293.4235