

# Coupling Identification – Continued

HOSE

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM / PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMOPLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 & C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

## Foreign Thread Types – German DIN (Deutsche Industrial Norme)

Popular couplings are German DIN [Deutsche Industrial Norme]. A coupling referred to as “metric” usually means a DIN coupling.

### DIN 24° Cone

The DIN 24° cone male will mate with any of the females shown.

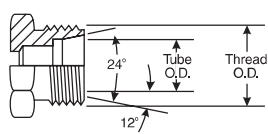
The male has a 24° seat, straight metric threads, and a recessed counterbore which matches the tube O.D. of the coupling used with it. The mating female is a 24° cone with O-ring, a metric tube fitting or a universal 24° and 60° cone.

There is a light and heavy series DIN coupling. Proper identification is made by measuring both the thread size and the tube O.D. [The heavy series has a smaller tube O.D. but a thicker wall section than the light.]

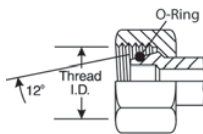
When measuring the flare angle with the seat angle gauge, use the 12° gauge. The seat angle gauge measures the angle from the connector centerline.

| Metric Thread Size | Female Thread I.D. [mm] | Male Thread O.D. [mm] | Tube O.D.         |                   | Torque Recommendation [Ft. Lbs.] |      |
|--------------------|-------------------------|-----------------------|-------------------|-------------------|----------------------------------|------|
|                    |                         |                       | Light Series [mm] | Heavy Series [mm] | Min.                             | Max. |
| M12x1.5            | 10.5                    | 12.0                  | 6                 | —                 | 7                                | 15   |
| M14x1.5            | 12.5                    | 14.0                  | 8                 | —                 | 15                               | 26   |
| M16x1.5            | 14.5                    | 16.0                  | 10                | 8                 | 18                               | 30   |
| M18x1.5            | 16.5                    | 18.0                  | 12                | 10                | 22                               | 33   |
| M20x1.5            | 18.5                    | 20.0                  | 14                | 12                | 26                               | 37   |
| M22x1.5            | 20.5                    | 22.0                  | 15                | 14                | 30                               | 52   |
| M24x1.5            | 22.5                    | 24.0                  | —                 | 16                | 30                               | 52   |
| M26x1.5            | 24.5                    | 26.0                  | 18                | —                 | 44                               | 74   |
| M30x2.0            | 28.0                    | 30.0                  | 22                | 20                | 59                               | 89   |
| M36x2.0            | 34.0                    | 36.0                  | 28                | 25                | 74                               | 111  |
| M42x2.0            | 40.0                    | 42.0                  | —                 | 30                | 74                               | 162  |
| M45x2.0            | 43.0                    | 45.0                  | 35                | —                 | 133                              | 184  |
| M52x2.0            | 50.0                    | 52.0                  | 42                | 38                | 148                              | 221  |

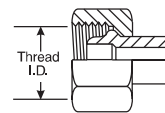
### DIN 24° Male and Mating Females



Male 24° Cone, DIN 2353 (MDL/MDH)



Female 24° Cone with O-Ring (FDLORX/FDHORX)



Female Universal 24° and 60° Cone (FDLX/FDHX)