



# VOSS Hydraulic Compression Fittings

## 24° coupling range with a wide variety of system solutions

VOSS 24° DIN tube couplings are a hydraulic tube coupling system that is widely used worldwide and specified to ISO 8434-1 and DIN 2353.

The product range includes the light (L) and heavy (S) series, which differ in pressure ratings and dimensions. All the nominal pressure ratings (PN) mentioned below are designed with a 4:1 safety factor.

VOSS fluid compression couplings are available in various configurations.

### The main advantages of 24° couplings

- This type of coupling is leak-tight & can resist alternating bending moments pressure transients & prevent tubes from tearing out of the connection
- Assembling these tube connections is a quick & straight forward process
- The connection can be removed & reassembled as often as desired, which is particularly important for servicing & maintenance
- These tube couplings are easy to install, compact, & offer maximum leak-tightness even at high pressures of up to 800 bar
- A wide range of designs allows for a modular approach when choosing components, avoiding the need for special couplings & unnecessary tube loops
- Male threaded variants come with various metric & imperial threads and seal types
- Subsequent re-tightening is unnecessary when using 24° coupling systems, as the coupling cannot come apart independently under normal conditions
- The 24° coupling system allows for flexible connections that absorb piping system vibration, unlike rigid permanent connections that can often tear apart
- Various thread and seal types conforming to international standards can be provided for screw connections
- All VOSS couplings come standard with a VOSS coat finish, providing optimal corrosion protection
- Many independent certification bodies have confirmed the functional characteristics of the entire coupling system

LIGHT SERIES	
TUBE OD	PRESSURE
6 mm	PN 315
8 mm	PN 315
10 mm	PN 315
12 mm	PN 315
15 mm	PN 315
18 mm	PN 315
22 mm	PN 160
28 mm	PN 160
35 mm	PN 160
42 mm	PN 160

HEAVY SERIES	
TUBE OD	PRESSURE
6 mm	PN 630
8 mm	PN 630
10 mm	PN 630
12 mm	PN 630
14 mm	PN 630
16 mm	PN 400
20 mm	PN 400
25 mm	PN 400
30 mm	PN 400
38 mm	PN 315

LIGHT SERIES	
TUBE OD	THREAD
6 mm	M12 x 1.5
8 mm	M14 x 1.5
10 mm	M16 x 1.5
12 mm	M18 x 1.5
15 mm	M22 x 1.5
18 mm	M26 x 1.5
22 mm	M30 x 2.0
28 mm	M36 x 2.0
35 mm	M45 x 2.0
42 mm	M52 x 2.0

HEAVY SERIES	
TUBE OD	THREAD
6 mm	M14 x 1.5
8 mm	M16 x 1.5
10 mm	M18 x 1.5
12 mm	M20 x 1.5
14 mm	M22 x 1.5
16 mm	M24 x 1.5
20 mm	M30 x 2.0
25 mm	M36 x 2.0
30 mm	M42 x 2.0
38 mm	M52 x 2.0

