

Axiswage

PNEUMATIC AND MANUAL PUMPS



THE AXISWAGE® (formerly D-LOK) PIPE CONNECTING SYSTEM

Setting the standard for fluid and gas connectors with its newest line of Tube-Mac AXISWAGE® NPS, OD, JIS and Metric fittings. The AXISWAGE® system is available in Carbon Steel, Stainless Steel and Copper Nickel. Other exotic materials such as Super Duplex Stainless Steel and Titanium are available per application. Make the connection that is simple, consistent, and reliable and only takes minutes to complete. Tube-Mac AXISWAGE® has an innovative and convenient design. AXISWAGE® is the permanent, leak tight, metal-to-metal connection that you have been waiting for.

Competitively Priced. Compare the Tube-Mac AXISWAGE® system to your current installation method. You will see an immediate cost difference. Think of how much you could be saving with each installation.

Design. Allows the same fitting to be used on Schedule 5 through Schedule 160 pipes. Fittings have a unique passivated stainless steel ring to provide higher mechanical strength without corrosion. No pipe threading, no purging, no flushing, no welding equipment.

Safe. No open flames, not heat sources, no torches. No need for hot work permits, weld boxes or habitats. Fittings meet all criteria of a brazed or welded connection except no heat is required for installation.

Fast. Can be installed within minutes. It's 10 times faster than welding.

Easy. Can be installed in any weather condition, with minimal or no interruptions to production. "Go-No-GO" gauge assures correct installation.

Convenient. Enhances best work practices and "multi-skilling". Reduces plant shutdown times. No more "NDT". No unusual storage or shipping requirement.

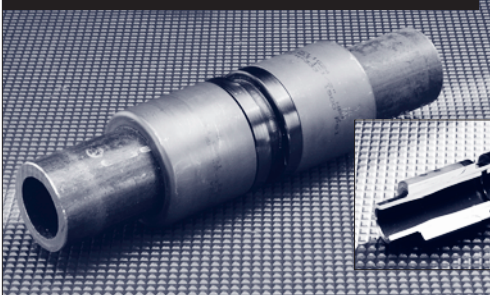
No Rework. Compared to traditional 5-10% rework involved with welding.

Tooling. Lightweight, easy to use and maintenance free. The tool can be oriented to the fitting in 2 directions for ease of installation. The entire installation can be performed by 1 person.

Free Training. There is no cost for training and it takes only minutes to get certified. Each trained operator receives a numbered, registered training card upon completion. Tube-Mac AXISWAGE® Carbon Steel fittings meet and exceed ASME B31.1 and B31.3 requirements.

- Pneumatic Pressure – 500 PSI Nitrogen Gas: No Leakage
- Proof Pressure – 2 x Operating Pressure Hydraulic Oil: No Leakage or Anomalies
- Hydrostatic Burst – 4 x Operating Pressure Hydraulic Oil: No Leakage
- Tensile – Exceeded Pipe Tensile Yield Strength
- Torsion – No Slippage: Established Torsional Resistance

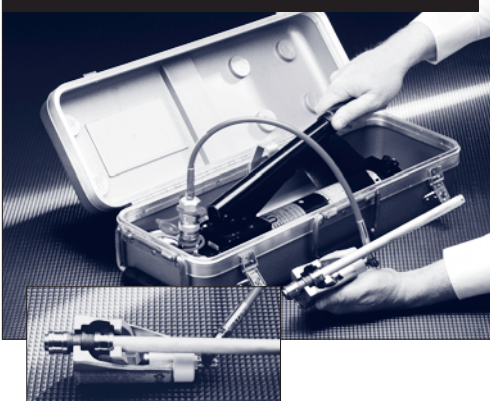
METAL-TO-METAL CONNECTION



AXISWAGE® FITTINGS



AXISWAGE® INSTALLATION TOOL



Size Range: 1/2" thru 2" NPS/OD (15NB-50NB)

Pipe Schedules: 5, 10, 40, 80 and 160

Operating Pressure:

1/2"	4,500 psig/310 BAR
3/4"	3,750 psig/259 BAR
1"	3,500 psig/241 BAR
1-1/2"	2,700 psig/186 BAR
2"	2,000 psig/138 BAR

Configurations Available: Couplings, straight, and reducing tees, 90° and 45° elbows, 150 # though 600# ANSI, male adaptors, concentric, reducers and caps.

Operating Temperature: -20° to 650°F (-29° to 343° Celsius)

Standard Material: Fitting – Carbon Steel per ASTM A106 Gr.B, ASTM A105 (Forging); Ring – 17-4 PH Stainless Steel per ASTM 5643.

Consult Prochem for further information.