



FMH Aerospace

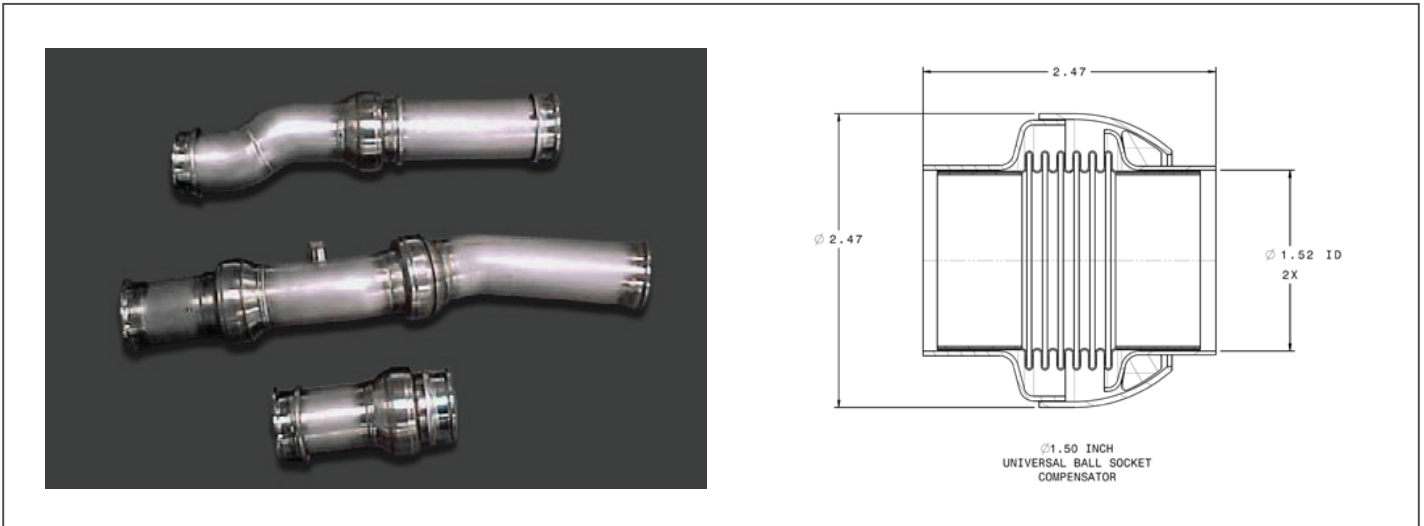
17072 Daimler St.
Irvine, CA 92614

Get in touch

 [Click Here](#)
www.fmhaerospace.com

DUCTS, TUBES AND FLEX JOINTS

AMETEK FMH is a leading designer and manufacturer of Duct and Tube assemblies used in the transfer of air and fluid in such systems as Environmental Control, Bleed Air, Fuel, Hydraulic, and Exhaust applications. Made from radiographic standard tubes and incorporating our industry-leading flexible joints where needed. AMETEK FMH provides a wide range of high-quality assemblies ranging in diameter from 1/16" to 12" in ID and can accommodate any pressure and temperature required to be seen throughout military, space and commercial aerospace applications. Our assemblies include complete systems, single and dual wall integration, and insulation to meet any required specifications.



Application:

Used in the conveyance of fluids, air and in load bearing

- Airframe level: ECS, Fuel, Hydraulic, Vent, Drain, Anti-Icing
- Engine level: Bleed Air, Exhaust, Vent, Drain applications
- System level: Hydraulic Fluid, Fuel, Fill/Drain, Anti-Icing, Lubrication, Waste and Water

Construction:

- Fully metallic, from Stainless Steel, Inconel, Titanium or Aluminum
- Rolled and welded, bent, drop hammered, machined and pressure formed
 - May be seamless if required
- Temperature ranges from -70 °F to +1,300 °F (-57 °C to +704 °C)
- From 1-4 layers as needed
- Size ranges from 1/16" to 12" ID (0.16 cm to 30.48 cm)
- May be combined with Bellows and Ball Joints to accommodate vibration

Features:

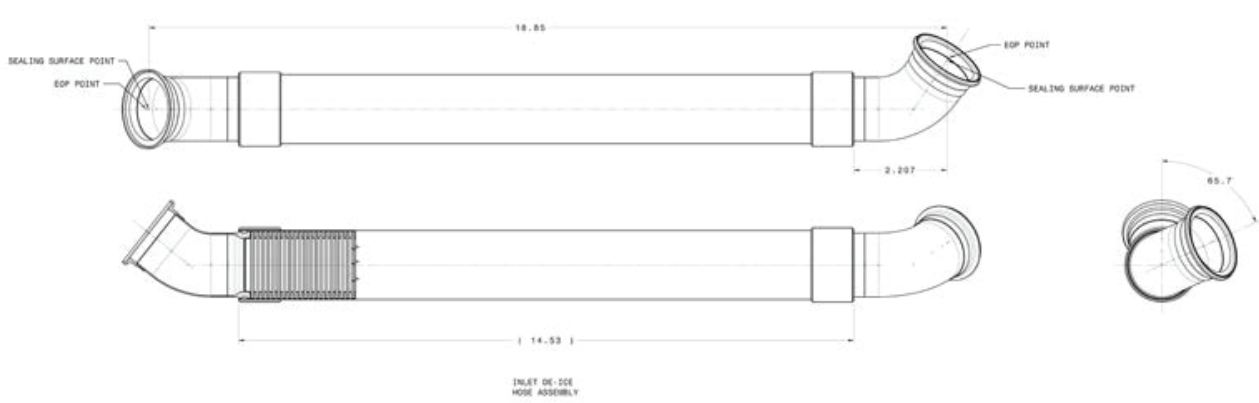
- Offers customized design solutions supported by selective in-house qualification testing, as well as full build-to-print manufacturing capabilities.

Performance:

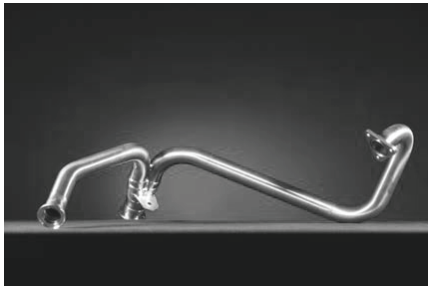

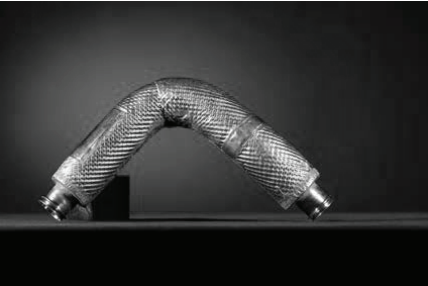

- Pressure ranges up to 5,000 psi in fluid, up to 16,000 psi in air

Where Used:

- In ECS, Bleed Air, and system level applications throughout commercial, military and space platforms



SEALING SURFACE POINT
EOP POINT
18.85
EOP POINT
SEALING SURFACE POINT
2.207
65.7
14.53
INLET DE-ICE HOSE ASSEMBLY



- Components or systems including Ball Joints, Link Joints, Gimbal Joints, Flanges, Couplings and Seals
- 1/16" to 12" ID
- -70 °F to +1,200 °F (-57 °C to 649 °C)
- Fluid up to 5,000 psig, Air to 16,000 psig
- Single and dual wall integration
- Insulated with sown blanket, stainless steel or moulded pre-preg material