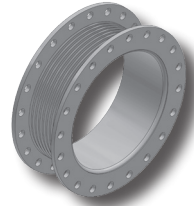


**Expansion Joints, Hose Assemblies,
Manifolds & Piping**



All Four Metal Technologies:

- ◆ Bellows Joints
- ◆ Braided Connectors
- ◆ Packed Slip Joints
- ◆ Ball Joints


Bellows Joints
 Ø3/4" to Ø20"

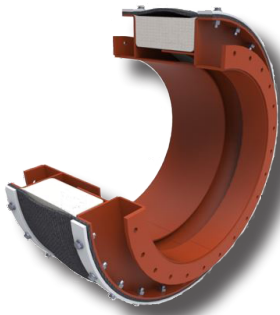
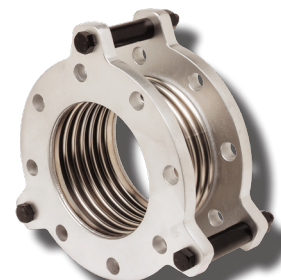
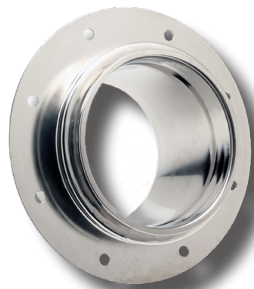
Braided Connectors
 Ø1/8" to Ø34"

Hyspan-Barco Ball Joints
 Ø1/2" to Ø48"

Perma-Pax Slip Joint
 Ø1-1/4" to Ø48+"

Expansion Joints & Connectors:

- ◆ Engine Exhaust:
 - Turbine
 - Reciprocating
- ◆ Intake Air
- ◆ Turbocharger Connection
- ◆ Oil Drain
- ◆ Coolant Line
- ◆ EGR Tubes
- ◆ Fire Suppression
- ◆ Pump Connectors
- ◆ Ballast--Deballast
- ◆ Diesel
- ◆ Natural Gas & LNG
- ◆ Dual Fuels
- ◆ Bleed Air
- ◆ Bulkhead Seals


Fabric Joints


Performance, Reliability, Safety

Hyspan has supported Marine & Shipbuilding Industries for 45+ years.

Our design, manufacturing capabilities, and emergency services have earned a distinguished reputation and various worldwide awards.

Ancillary products for marine, shipbuilding, upgrades, and retrofit are also supported.

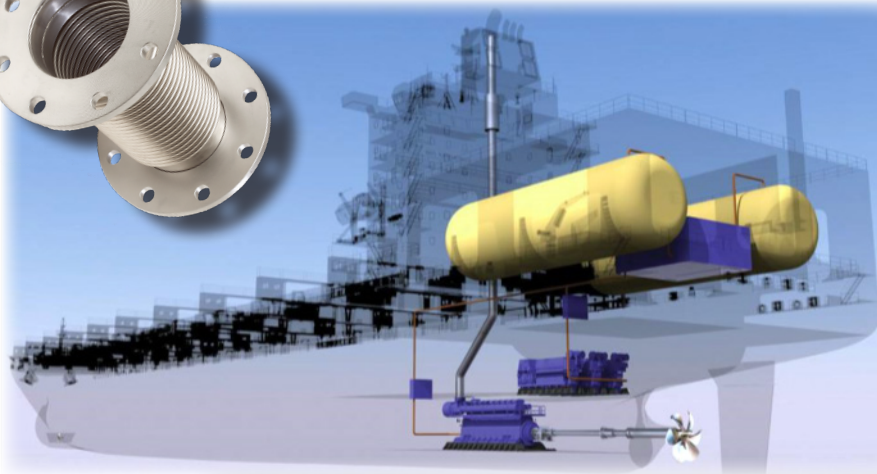
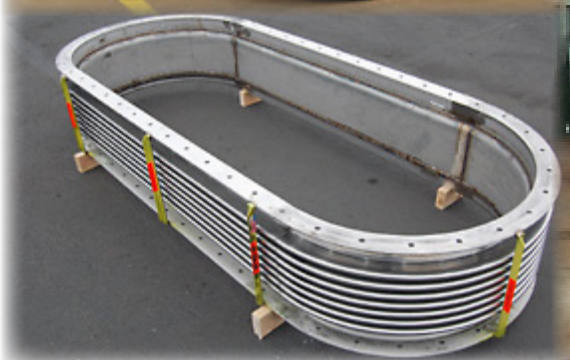


Image courtesy of General Dynamics--NASSCO

Round & Rectangular:



Hyspan manufactures hundreds of flexible metal hose configurations to meet rigorous reliability requirements

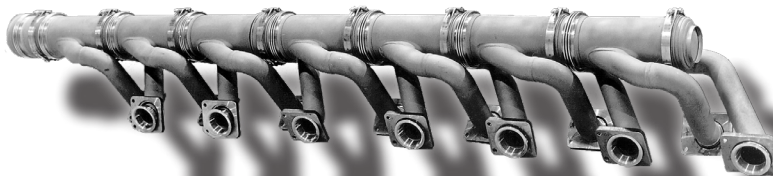
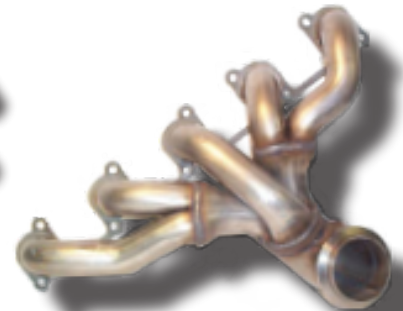
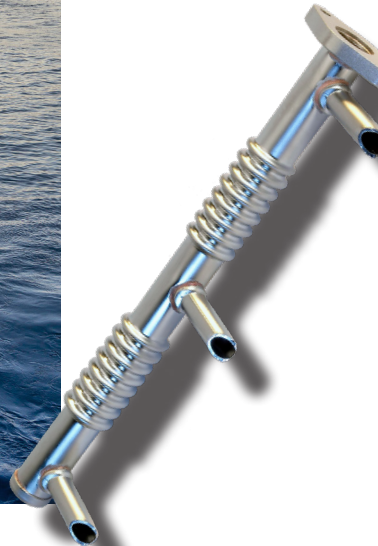
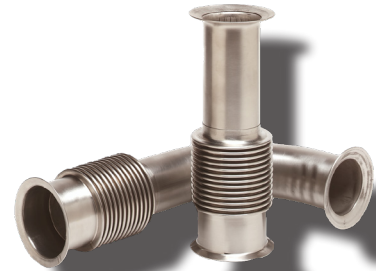


 **Hyspan**
EXPANSION JOINTS

Flexider
INDUSTRIAL

Marine & Shipbuilding Solutions

Performance, Reliability, Safety



THE HYSpan GROUP includes:



Specifications:

EJMA REGISTERED
ISO 9001:2015
MIL STANDARDS (MIL-STD)
ASME - ASNT - ASTM

Testing:

MIL-DTL-901E Shock
MIL-STD-167-1 Vibration
Pressure ♦ Liquid Penetrant
MAS Spectrometer Vacuum
Radiography ♦ Magnetic Particle
Fluorone ♦ Cryogenic
Cycle Fatigue
Burst ♦ Thermal

Capabilities:

Research & Development
Pipe Stress Analysis
Finite Element Analysis
Comp. Fluid Dynamics
Holistic System Evaluation
Design, Repair, & Manufacture
Ship Check Inspection
ABS & PED/CE Available



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