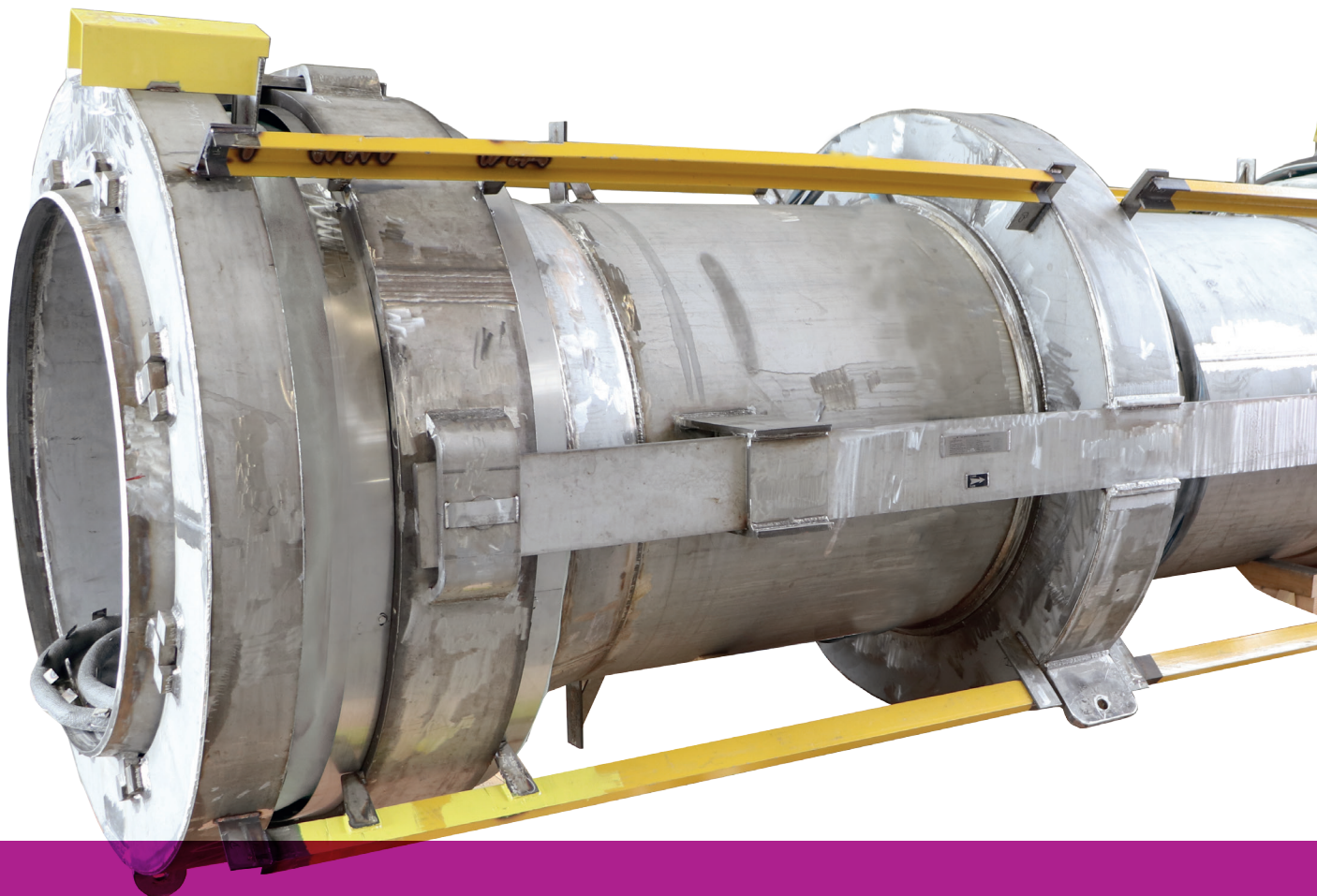




# Nordon expansion joints



A strong know how in manufacturing  
of customized and standard Nordon  
expansion joints

---

• A global offer

• Recognized expert in metallic Nordon expansion joints

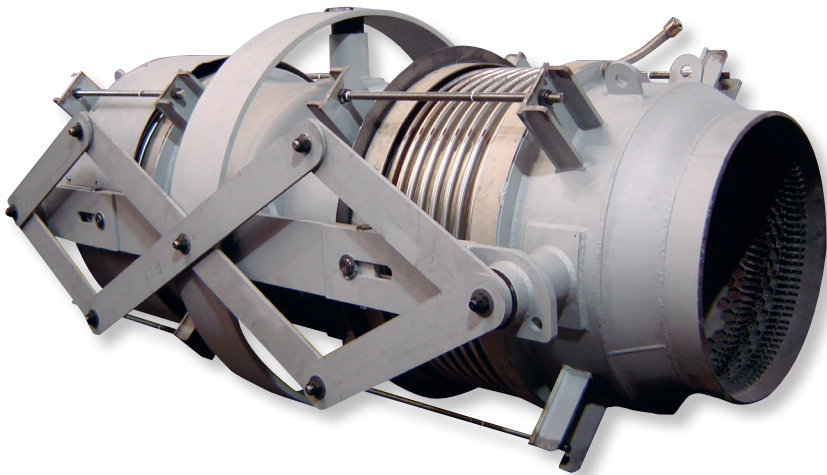
# Extensive experience in the manufacturing of Nordon expansion joints for decades

- Fives' Piping Solutions businessline has extensive experience in:
- design, manufacture, assembly of Nordon expansion joints
  - on site supervision and repair
  - emergency repair with clam shell bellows during shut down or in operation while the unit is in hot condition

Fives assists its customers by performing the flexibility calculations and determining the appropriate type of expansion joints for the installation. Fives also provides on site assistance for maintenance of existing installations. The Nordon expansion joints are used for applications in various sectors such as the chemical-petrochemical industry, thermal and nuclear power plants, research centers, fertilizer factories and cement works.



SOLUTIONS FITTING TO YOUR SPECIFIC NEEDS					
Types of expansion joints	— Axial	— Lateral	— Hinged	— Gimbal	— Pressure balanced
Applications	FCC, Styrene, MTBE, RFCC, PDH, HDPE, Ethylene Crackers, Power Plant...				
Materials	Incoloy, inconel, stainless steel, aluminium, titanium				
Construction codes	ASME, EJMA, CODAP, RCCM, AD-MERKBLATT...				
Forming processes	Roll forming or hydroforming or punch forming				
Dimensions	From 50 to 5000 mm circular or rectangular				
Pressure	From vacuum up to 100 bar				
Temperature	From -196°C up to 900°C				
On-site expertise and installation supervision	— Verification of installation conformity			— Non-destructive testing	
	— Ultrasonic testing of bellows			— Dimensional inspection	



The information provided on this document is for information purposes only and does not constitute a legal obligation or a warranty, express or implied, of any kind.

**CONTACT**  
fivesnordon@fivesgroup.com  
T +33 (0)3 83 39 54 00

**Fives Nordon**  
78, Avenue du XX<sup>e</sup> corps - CS 90404 - 54001 Nancy Cedex - FRANCE  
www.fivesgroup.com

