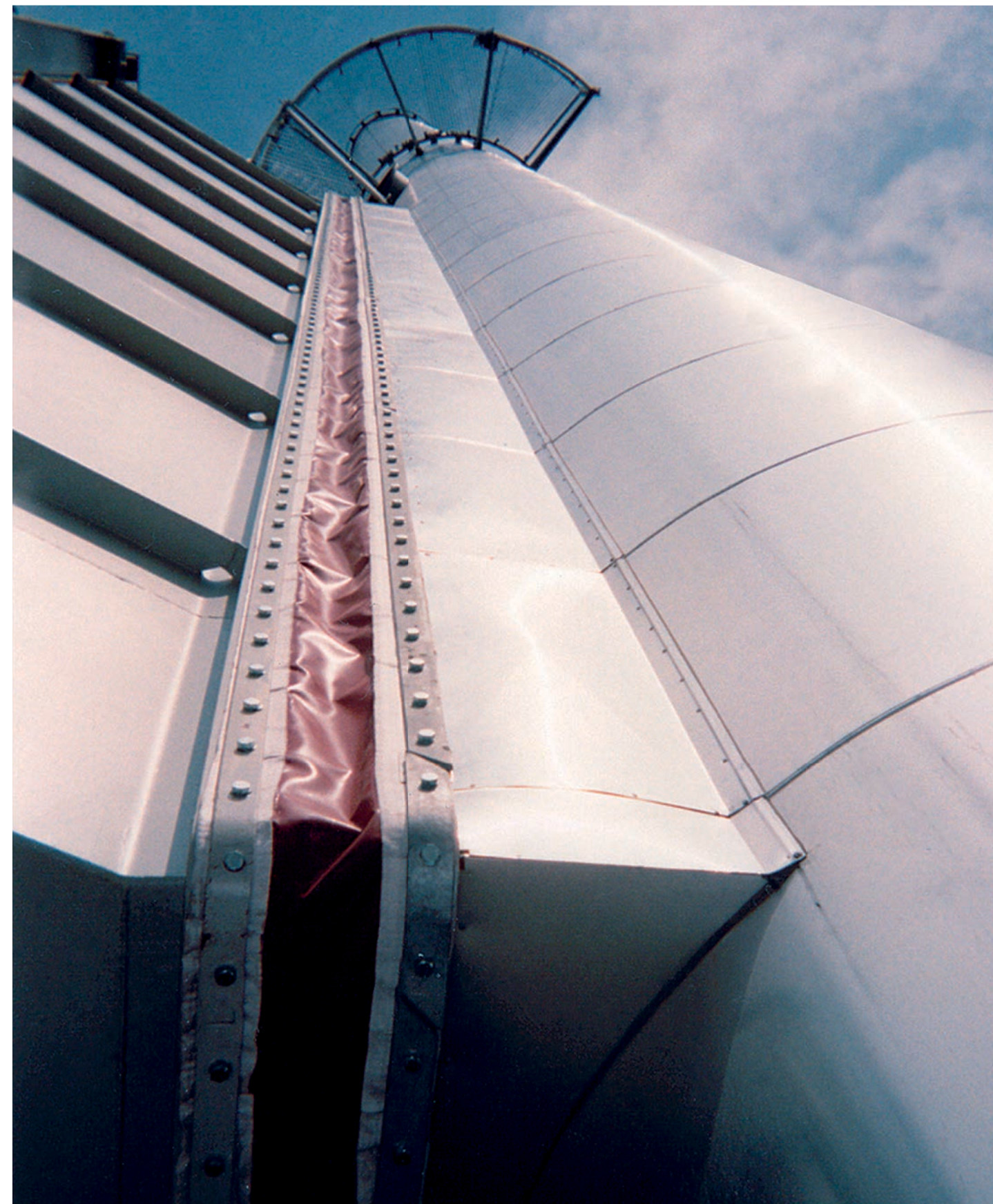




**seiris**  
EXPANSION JOINTS

Chemin de la julienne - 91830 LE COUDRAY-MONTCEAUX - FRANCE  
Tél. : +33 (0) 1 69 01 20 39 - Fax : +33 (0) 1 69 01 33 33  
[www.seiris-sa.com](http://www.seiris-sa.com) - [info@seiris-sa.com](mailto:info@seiris-sa.com)



**seiris**  
EXPANSION JOINTS

*FABRIC EXPANSION JOINTS*





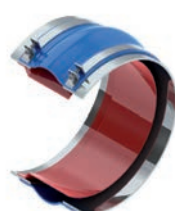
## TYPES OF EXPANSION JOINTS

### FABRIC EXPANSION JOINTS

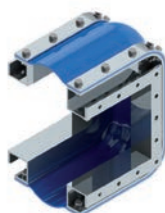
Single or Multiple Layer construction, Limitless Dimensions, Any shape, Temperature up to 1 200°C

#### BELT TYPE

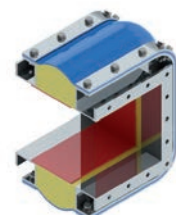
Belt with t-bolt clamp bands



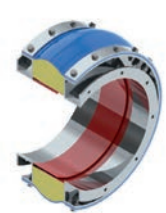
Belt rectangular



Belt with bolster rectangular



Belt with bolster circular



Belt convex

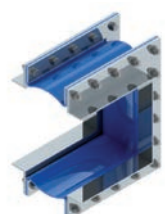


#### FLANGED TYPE

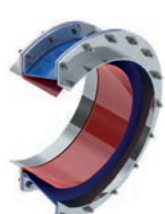
Flanged circular



Flanged rectangular



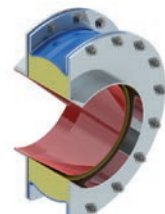
Flanged conical



Flanged with internal sleeve



Flanged with bolster

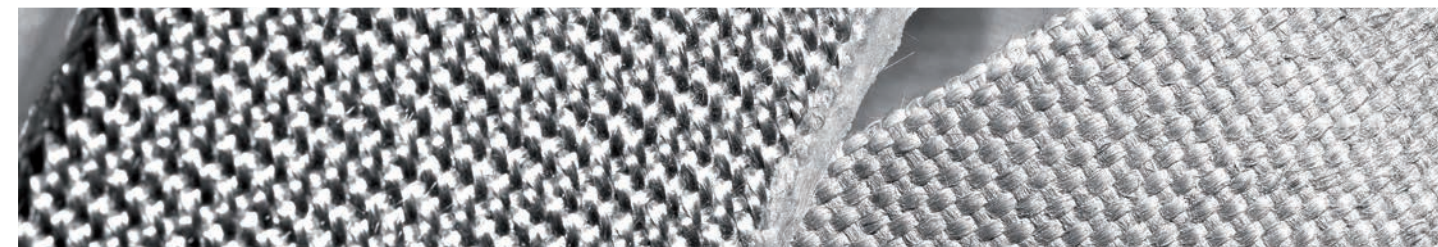


### SELECTION CRITERIA

- Ambient conditions
- Type of medium with chemical contents
- Temperature
- Pressure
- Dimensions and Shapes

### MAIN ADVANTAGES

- Compensate large movements (Axial, Lateral, Angular, Torsion)
- No limits in dimensions
- Low cost of raw materials
- Low cost of Installation and Maintenance
- Light and Handy (reduced load for the ducts and safe for the staff)
- Corrosion resistance



## MATERIALS

**Supporting layer :** Provides protection during handling and system operation + basis for arched or convoluted expansion joints where specific shapes are required (galvanized steel, stainless steel, inconel Wire Mesh)

**Insulating layer(s) :** Provides a thermal barrier + reduce condensate problems (Different types of Fiberglass and Silica cloth and blankets)

**Gas seal layer(s) :** Provides a chemical barrier (PTFE, Viton®, EPDM, Silicone, Hypalon and Metal foils...)

**Cover layer :** Provides protection from the external environment, acts also as a complementary gas seal layer. (Fiberglass cloth coated with PTFE, Viton®, EPDM, Silicone, Hypalon ...)

**Flange Reinforcements :** Provides thermal and mechanical protection. (Fiberglass cloth)

## STANDARDS

Fabric Expansion Joints are designed, manufactured and tested according to Internationally Recognized Codes and Standards :

**E.S.A** (European Sealing Association),  
**F.S.A** (Fluid Sealing Association)  
**RAL...**

## QUALITY CONTROL

**Always carried out according to our clients particular requests**

- Identification and Control of Materials
- Drawings and Documents control
- Manufacturing Process control
- Testing, Inspection and Documentation
- Final Inspection and preparation for Delivery

## SERVICES

- Design Assistance
- Inspection
- Dimensional measurements
- Installation
- Supervision
- Training

