



Specialised Engineering Products



H I G H Q U A L I T Y E N G I N E E R E D S E A L I N G S O L U T I O N S

SEP design and manufacture expansion joints to the entire energy sector, comprising e.g. a broad variety of power plants, cement plants, chemical plants, steel plants, oil refineries, and especially for off shore and gas turbine applications, where the demand for a superior design and material is high. SEP is a well-recognised partner and supplier that can offer a complete range of products and as a consultant, provide the most advantageous solutions.

Fabric Expansion Joints

Selecting the right type of expansion joint is essential when constructing e.g. a piping or ducting system in a power plant. All relevant parameters have to be taken into account before deciding. The SEP range of Fabric Expansion Joints consists of 26 standard types divided into five categories. Along with the standard types come the numerous special designs and custom-made Fabric Expansion Joints.

The combined operating conditions decide why choosing one kind of expansion joint is better than another. The temperature capability ranges from -50°C to 1000°C and the pressure ranges from -50 kPa to 50 kPa.

Type LN	For clean air systems
Type MN	For flue gas with a low acid content
Type RN	For flue gas with a high acid content
Type HD	For applications requiring optimal resistance against chemical attacks or high pressure.
Type GTX	For gas turbine applications

Metal Expansion Joints

SEP Metal Expansion Joints cover any application where Fabric Expansion Joints are not suitable, mainly due to pressure conditions. As for all SEP products the focus is on superior quality and special design solutions. The Metal Expansion Joints are designed according to EN14917, 13445-3 and EJMA.

Standard Designs are Axial-, Lateral-, Angular- and Universal Expansion Joints. The circular designs come in standard sizes from a 50 mm diameter up to 5000 mm diameter. The rectangular designs are manufactured with rounded, sharp or camera corners. The expansion joints are manufactured as multi-ply bellows and can be combined into double expansion joints and fitted with tie rods, inner sleeves and other accessories if required.

Design calculations are carried out according to counting standards and can be documented by optional testing procedures.



Numerous special designs and custom-made Fabric Expansion Joints



Expansion joint units are delivered ready for installation in the ductwork

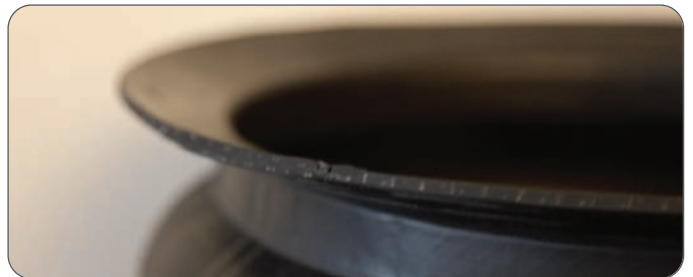


All SEP products focus on superior quality and special design solutions



SEP offers a full service package when installing and supervising on site. The installation comes with a firm knowledge of how to achieve the best results with SEP products. Qualified and trained SEP engineers are always available during:

- Assembly and/or erection of Expansion Joints
- Pre-instructions
- Training and supervision of Site Personnel



For more information call our sales team on: ☎ +44 (0)1794 830757



Superior Materials

The common factor is always the craftsmanship and the use of superior materials



Gas Turbine Metallic

Designed to properly compensate for the thermal growth due to the severe and rapid temperature rise of gas turbines



High Pressure Rubber Expansion Joints

The rubber compensators come in various qualities and reinforcement layers



Quality Control

World's first manufacturer of Fabric Expansion Joints to be AS 9100 certified.



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