Rue de Lonnoux, 3
6880 Bertrix
+32 (0) 61 41 50 52
www.sealuxsa.eu
info@sealuxsa.eu

Technical Data Sheet

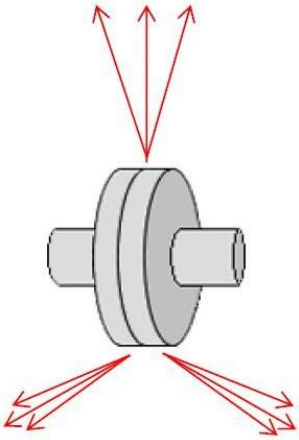
SEALUX – Protective cover for expansion joint

Sealux is able to manufacture and supply its customers with protective covers for flanges, valves, and expansion joints. These covers are generally supplied on request together with the expansion joints delivered by Sealux, but they can also be supplied independently of the expansion joints.

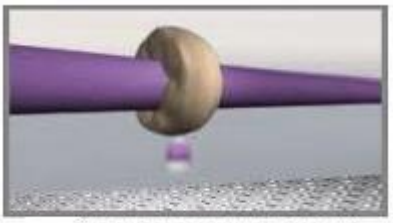
General information

The main purpose of this type of product is to ensure the safety of installation connections. In the event of a failure of the sealing system, the protective cover is designed to prevent the pressurized medium escaping from injuring maintenance personnel working in the vicinity of the installation. In the case of a leak, the shield disperses the fluid around the outer perimeter of the flange, allowing the medium to drain slowly outside the flange, which significantly reduces the hazard.

Rue de Lonnoux, 3
6880 Bertrix
+32 (0) 61 41 50 52
www.sealuxsa.eu
info@sealuxsa.eu



Unprotected leaking flange



Safety Shieds prevent 'spray out'

For the protection of ancillary installations such as electrical or flammable equipment, protective covers are also generally considered an effective solution.

Materials

For the manufacture of its covers, Sealux mainly uses fiberglass fabric with a Teflon/PTFE coating. Depending on the customer's application (medium, pressure, temperature, external environment, etc.), other coated fabrics may be selected, such as PVC, antistatic PTFE (black), or silicone-coated Kevlar. Auxiliary materials such as retaining cords and sewing threads are also selected according to the application. Resistance to media such as acids is given particular attention.

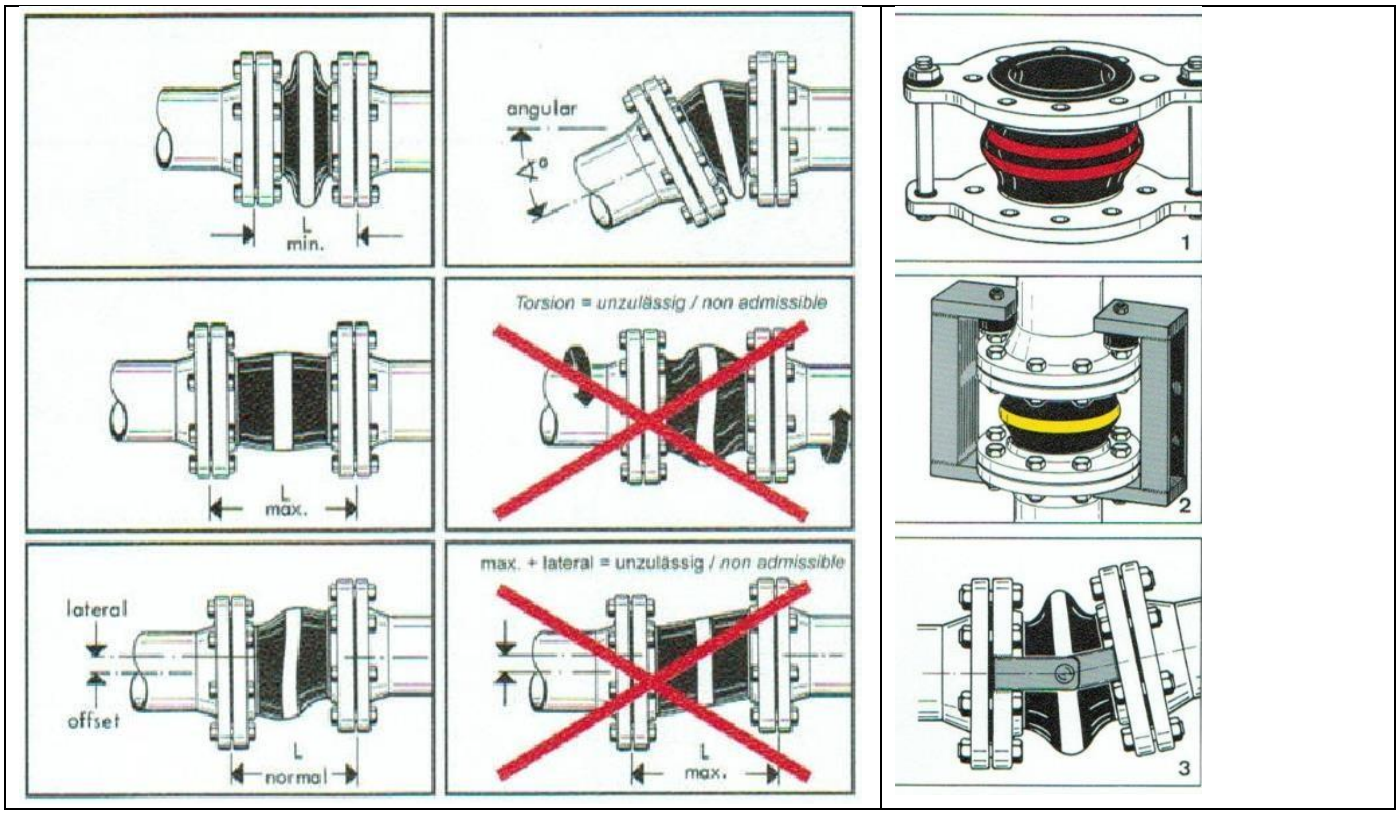
The technical data sheet of the fiberglass PTFE (Teflon) fabric used is provided in the appendix to this document.

Rue de Lonnoux, 3
6880 Bertrix
+32 (0) 61 41 50 52
www.sealuxsa.eu
info@sealuxsa.eu

Manufacturing

By carrying out its production in Western Europe (Belgium) and selecting high-quality materials of EU origin, Sealux ensures the compliance of its products.

In the case of protective covers for expansion joints, and in order not to interfere with their movement, Sealux asks its customers to provide data on the types of movement involved, their amplitude, and the presence or absence of additional devices such as tie rods, for example.

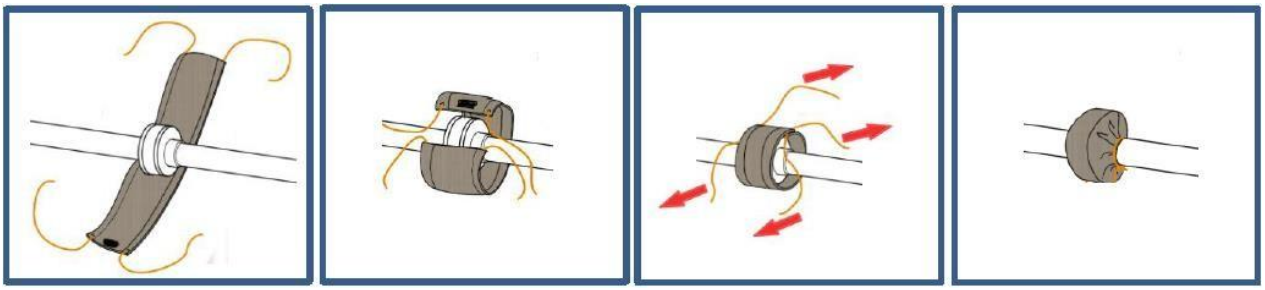


Rue de Lonnoux, 3
6880 Bertrix
+32 (0) 61 41 50 52
www.sealuxsa.eu
info@sealuxsa.eu

Installation

As the covers are manufactured to perfectly fit the customer's piping connections, installation by the customer or by Sealux technicians is straightforward.

Below are four diagrams illustrating the simple installation of the covers.



When installing, ensure that the cord is tightened properly around the bolts in order to prevent any potential lateral spray.

Rue de Lonnoux, 3
6880 Bertrix
+32 (0) 61 41 50 52
www.sealuxsa.eu
info@sealuxsa.eu

PTFE Fiberglass Technical Data Sheet:

EST® GP 1650

TECHNICAL DATA Base Fabric		Tolerance	Test Methods	
Yarn			DIN 53830-3	
Warp	EC9		134 tex	± 5%
Weft	EC9		134 tex	± 5%
Thread Count			DIN EN 1049-2	
Warp	19,0		1/cm	± 5%
Weft	13,0		1/cm	± 5%
Weight	430	g/m²	± 5%	DIN EN 12127
Weave		Satin	ISO 9354	
Temperature Resistance			550°C	

Coated Fabric		Tolerance	Test Methods	
Coating			coated with high temperature flame retardant PTFE on one side	
Weight	561	g/m²	± 10%	DIN EN 12127
Thickness	0,38	mm	± 10%	DIN EN ISO 5084
Tensile Strength			DIN EN ISO 13934-1	
Warp		> 3.500	N/5cm	
Weft		> 2.600	N/5cm	
Temperature Resistance			-101°C to 315°C