

# ! These instructions must be read before assembly !

## Assembly and service instructions for PEKOMP® fabric and elastomer expansion joints



### Storage:

Store the expansion joints in their packaging, in a dry place, indoors. Only remove expansion joints from package immediately prior to assembly.

Do not place heavy objects on the expansion joints and protect them from fire and sparks.

### Prior to assembly

Check that:

- The delivery is complete.
- The connection parts and installation dimensions (installation length) taking into account the permissible tolerances. (see RAL T-013 - download at [www.pekomp.de](http://www.pekomp.de))
- The steel parts have no sharp edges or welding droplets on them.
- The inner edge of the clamp flanges has a radius (R=3 mm).
- At Velocities of flow over 20 m/s and/or below atmospheric pressure and/or dust salary over 50 mg/Nm<sup>3</sup> baffles must be used. Check back with **PEKOMP**® at Direction of flow "up", please.
- The channel flanges must be smooth and without board. Flat flanges must be used.

### During assembly

Observe the following points:

- The expansion Joints are delivered ready to install and **must not be turned "inside out"**. The outside of the expansion joint is marked with a **PEKOMP**® Label
- Heads of bolts must face middle of expansion joint.
- All bolts should be assembled with copper grease or similar assembly paste.
- With clamping straps: The bolts with inner hexagonal socket should be tightened with a normal Allen key with no mechanical help. Make sure that all bolts are equally tightened so that the expansion joint material does not throw folds.
- With flanges: The correct torque can be read from the following table.

flange dimensions [mm]		torque [Nm] metric thread strength class 8.8		
Bore-Soacing	Profil-thickness	M10	M12	M16
100	30	37	44	
120	30	45	53	
100	40	50	59	74
120	40		70	88
100	50		73	92
120	50		85	111
100	60		85	111
120	60			133

Should your flange Dimensions and bolt size not appear in the chart below please contact us.

### After Commisioning:

Obeserve the following points:

- After the first warm-run or after 4 weeks (whichever comes first) re-tighten all bolts to the values given in the table above. With clamping straps the bolts will have to be repeatedly re-tightened as described above until the expansion joint material has settled.
- The expansion joints must not be painted or coated.
- The expansion joints must not be cleaned with a high pressure hose or steam cleaner. Clean with a damp cloth.
- The expansion joints are weatherproof and require no further protection against the elements.
- If the expansion joints should require protection against mechanical damage please contact **PEKOMP**® first.

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Andere Sprachen  
Other languages  
Dans d'autres langues

QR Code:



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## Outer insulation:

Fabric expansion joints with media-temperatures above 200°C must not be insulated from the outside.

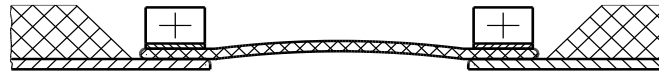
The outer duct-insulation should be executed as shown in the following diagrams. A sufficient heat-radiation in the area of the expansion joint flange must be guaranteed.

Andere Sprachen  
Other languages  
Dans d'autres langues

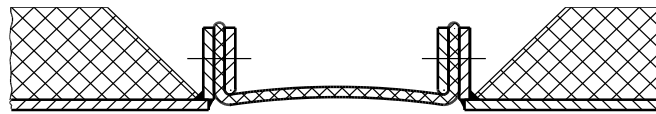
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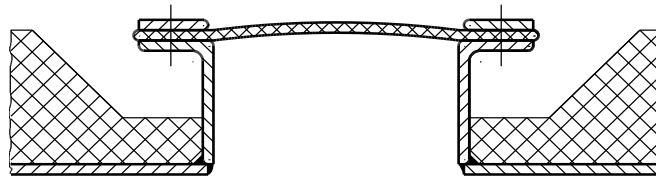
## Construction type 01



## Construction type 02/03



## Construction type 04/05



# ! Failure to observe these instructions invalidates the guarantee

In case of further queries, we are willing to help, please contact us at the following address:



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