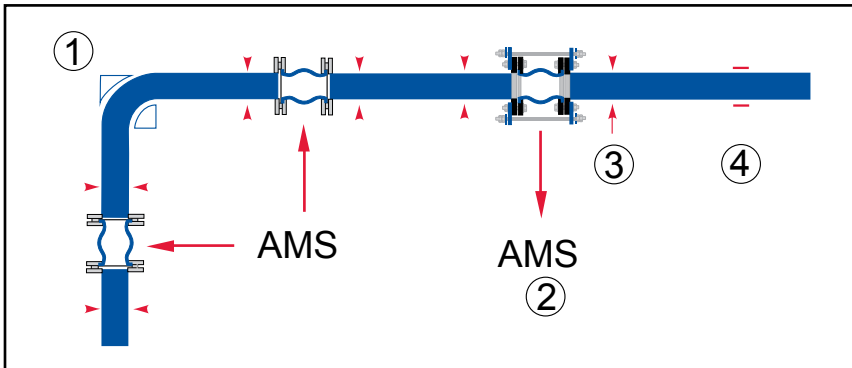
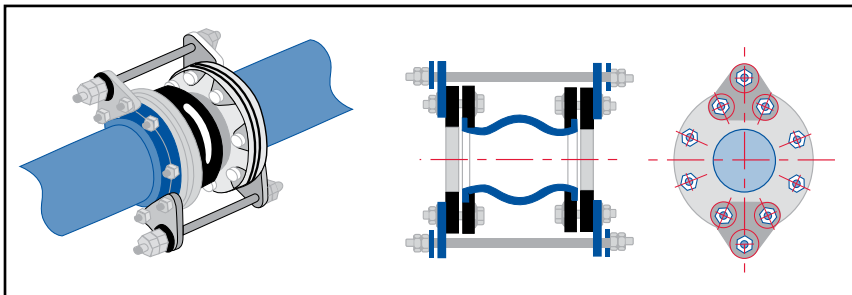


Flexible Expansion Joints

Control Rods - Control of Extension



Installment Scheme				
Item	1	2	3	4
Description	Anchor	With Control Rods	Fixation Points	Guiding Points



Applications

Control Rods are used to prevent an excessive extension or compression of the expansion joint which could damage the expansion joint. In general when there are high pressure risks (starting a pump...) or when wide temperature fluctuations occur, control rods should be used.

Control rod unit must be installed when pressure (test, surge, operating) exceeds rating shown below.

Joint Size	Pressure Ratings	
	AMS (psig)	AMT (psig)
1" - 4"	150	150
5" - 10"	135	135
12" - 14"	90	90
16" - 24"	45	45

*Contact Factory for information on our Control Rods.

Mounting Instructions

- The alignment of the piping system should be adjusted and secured with fixation points as close as possible on each side of the expansion joint at a distance less than 3 times the pipe's nominal diameter.
- These fixation points must be installed when mounting an expansion joint with control rods or in a case of an elbow pipe. If there is considerable distance between 2 fixation points, guiding points can be installed in order to support and guide the pipe (cf. installation scheme)
- (a) When installing, take care the rubber expansion joints don't support compression or extension due to the weight of the upstream or downstream pipe.

Mounting Order:

 - Upstream pipe; anchor
 - Downstream pipe; anchor
 - Expansion joint.
- Verify that the upstream and downstream pipe alignment does not deviate more than 1/8" (3 mm) and that the expansion joint does not support heavy weight.
- Verify that the surfaces coming in contact with the joint are perfectly clean and without cutting edges (pipe) thus avoiding damage to the joint surface.
- Insert the bolts on the arch side of the joint, thus avoiding direct contact with the rubber.
- If welding is carried out within close range, cover or dismount the expansion joint.
- Do not paint or coat the joint with insulation.
- During installation, the precompression should not exceed 5 mm.
- Store the joint in a flat position avoiding humidity and extreme temperatures.

Notes:

Bolt tightness should be checked daily within the first month after services and checked periodically thereafter.



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