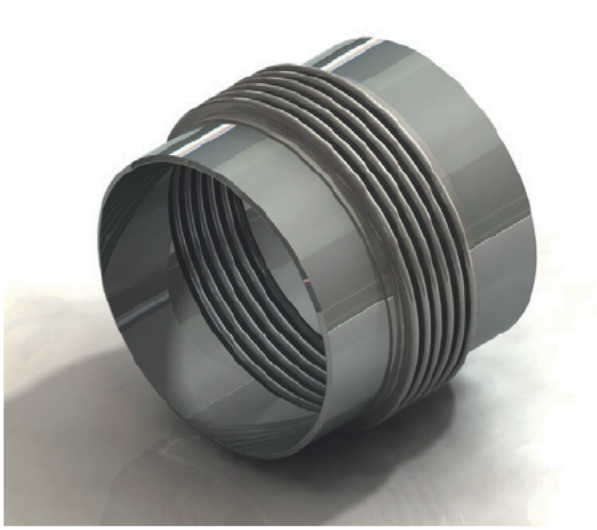
Single Unrestrained Expansion Joints
MWA & MFA Series

Description

These expansion joints are made of one single bellows element with end connections.

Regardless of accessories, such as liners and covers, this model absorbs all of the movements in any one length of piping but it is mainly used to absorb axial movements.

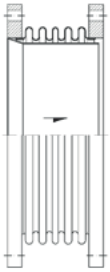
It does not restrain pressure thrust so adequate anchors and guides must be provided and they can be used only in piping systems that incorporate correctly designed anchors and pipe alignment guides.



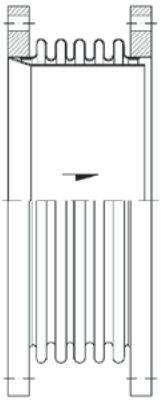
MWA
This type of Expansion Joint is made up of one single bellows provided with welding ends.

Features

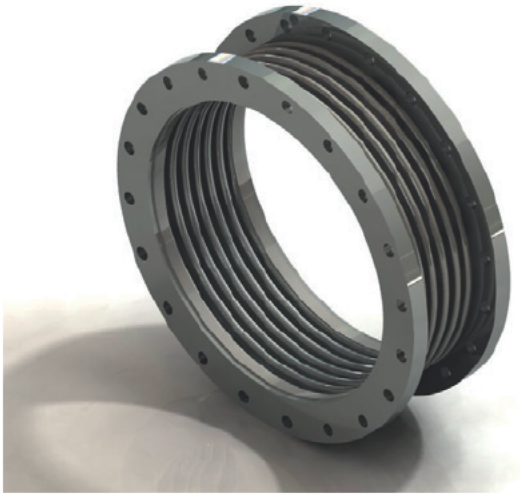
- Absorbs axial, lateral, and angular movements
- Must be properly guided
- Does not restrain the pressure thrust
- Requires main and directional anchors



MWA



MFA



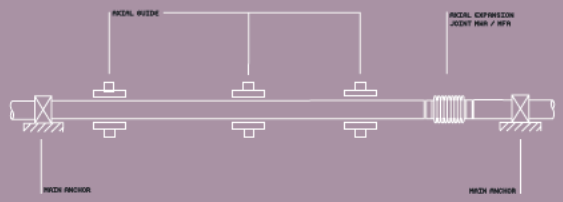
MFA
This type of Expansion Joint is made up of one single bellows equipped with fixed flanges.

TYPE	SERIES	PRESSURE THRUST RESTRAIN	MOVEMENTS		
			AXIAL	LATERAL	ANGULAR
Single Unrestrained	MWA MFA	NO	YES	SINGLE-PLANE YES* MULTI-PLANE YES*	SINGLE-PLANE YES* MULTI-PLANE YES*

*Limited use

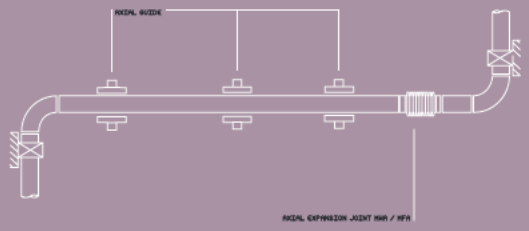
Typical applications of Single Unrestrained Expansion Joints

Case 1



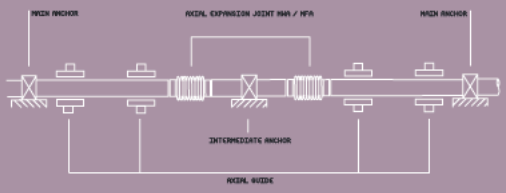
The classic case of an Expansion Joint located in a straight section of pipinginstalled between two main anchors.

Case 2



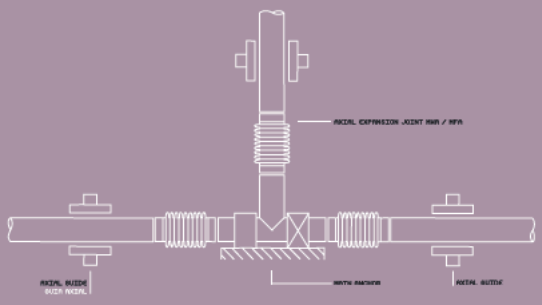
The main anchors are located where pipes change directions in order to consider the straight section as an individual section of piping taking us to case no. 1

Case 3

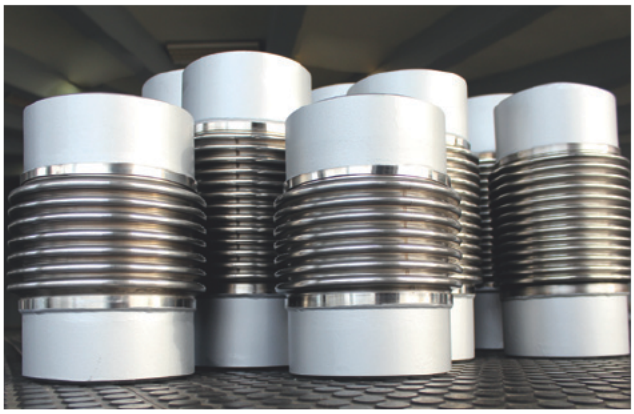


Owing to the size of the straight section of pipe, the Axial EJs are fitted in a way that they are joined together by an intermediate fixed point, thus forming a single unit, similar to an Axial EJ fitted between two main fixed points.

Case 4



In this case the main fixed point is situated at the intersection where two sections of piping meet.



ISO 9001 ISO 14001