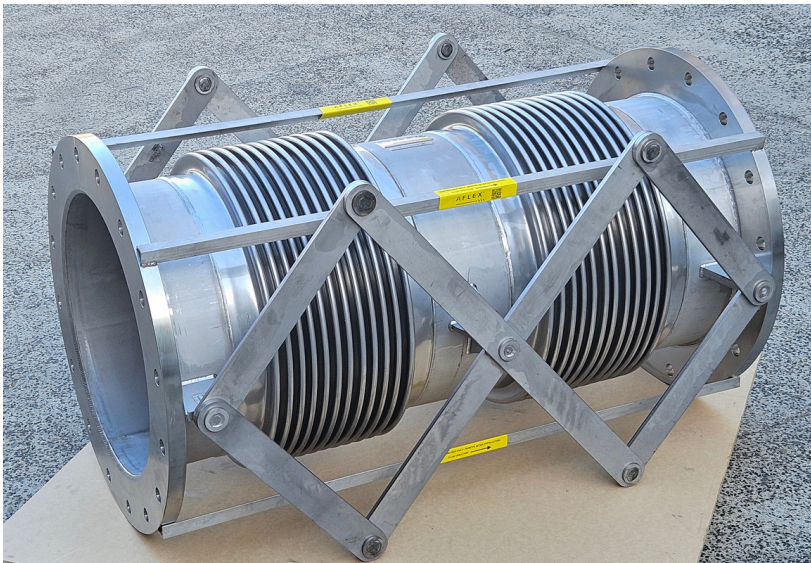




Pantograph Installation Instructions



IMPORTANT INSTALLATION REQUIREMENT

Pantograph assemblies must be installed with the arms positioned **perpendicular to the ground**.

Installing the assembly horizontally can cause sagging and increased friction in pivot pins, preventing correct operation.



Due to slight clearances in the pins of the pantograph arms, if they are installed vertically (perpendicular the ground), the assembly can sag under their own weight.

Below is an exaggerated example of a long pantograph mechanism installed vertically.



When pantograph arms are curved as shown below, they experience friction around the pins. This friction causes the assembly to stiffen and stops it from functioning as intended.



HORIZONTAL INSTALLATION

Not Recommended



Horizontal Installation Example

Due to slight clearances in the pantograph arm pins, a long assembly installed horizontally can sag under its own weight.

When the arms become curved, friction increases around the pivot pins, causing the assembly to stiffen and reducing operational performance.



Increased friction



Potential binding

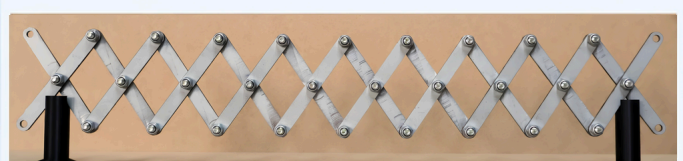


Not Recommended



VERTICAL INSTALLATION

Recommended



Vertical Installation Example

Installing the pantograph with the arms perpendicular to the ground allows the mechanism to properly support the bellows and compress axially as intended.



Proper operation



Free movement



Recommended



Pantograph Information: [PAN10 – Pantograph Bellows Assembly | Aflex](#)

