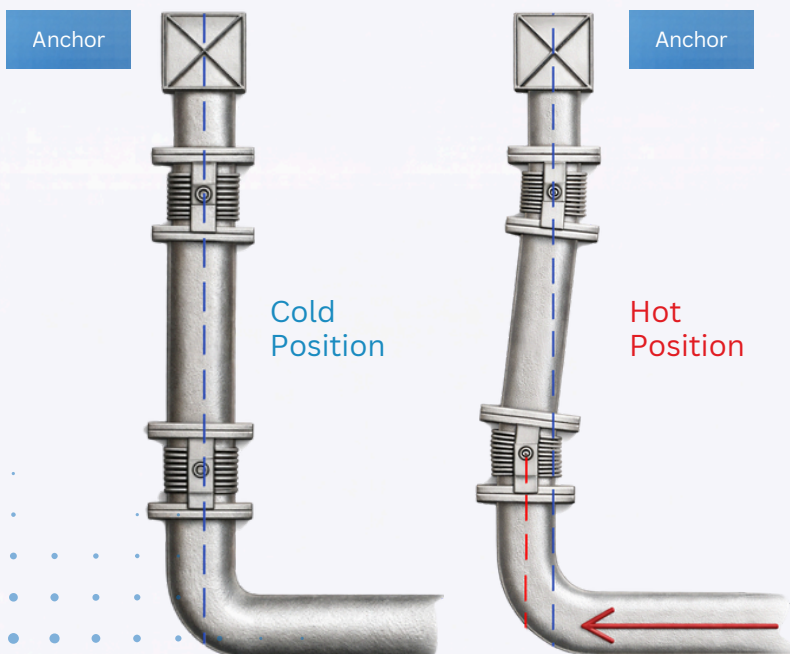


HEB – Hinged Expansion Bellows

INSTALLATION INSTRUCTIONS

- Verify the Aflex serial number plate is securely attached, legible, and accessible. Do not remove it, removal voids the warranty. The serial number links to materials, weld procedures, welders, and [MDR records](#).
- Inspect the expansion joint (bellows, hardware, shipping bars) for damage. Transit damage may affect joint length—report immediately. Do not attempt repairs without manufacturer approval (voids warranty).
- Do not remove shipping bars before installation. If they cause issues, contact Aflex. Welded/pipe-end bellows typically have no shipping bars; pipe-end units are packed to prevent length changes.
- Ensure the pipe gap matches the joint size and alignment (unless otherwise specified in the datasheet).
- Use lifting lugs or lift from hardware only. Do not lift from the bellows or shipping bars.
- Align the hinges as shown in the image below. The hinges must allow the assembly to offset laterally, as shown.
- Install flow-lined joints in the correct direction (as indicated on shipping bar stickers).
- Ensure mating flanges are correctly aligned. Torsion stress causes premature failure and is not covered by warranty.
- After installation (bolting or welding), remove shipping bars before hydrotesting or pressurisation, they are not designed to restrain [Pressure Thrust](#)
- Do not exceed the design pressure listed on the datasheet.
- Aflex does not provide flange bolting torque values, refer to the relevant flange standard.
- For any issues or questions during installation, [contact us](#) Aflex immediately.



Individual Aflex Hinged Expansion Joints allow for angular rotation about its hinges, in a single plane. HEB are usually used in sets of two or three to absorb large amounts of lateral deflection, due to the thermal expansion of the pipeline.

The hinges are designed to restrain the full pressure thrust from the bellows and can also be designed to support the weight of piping and equipment, as well as other external forces. This means Aflex HEB systems generate very low forces on the piping and do not require main anchors..