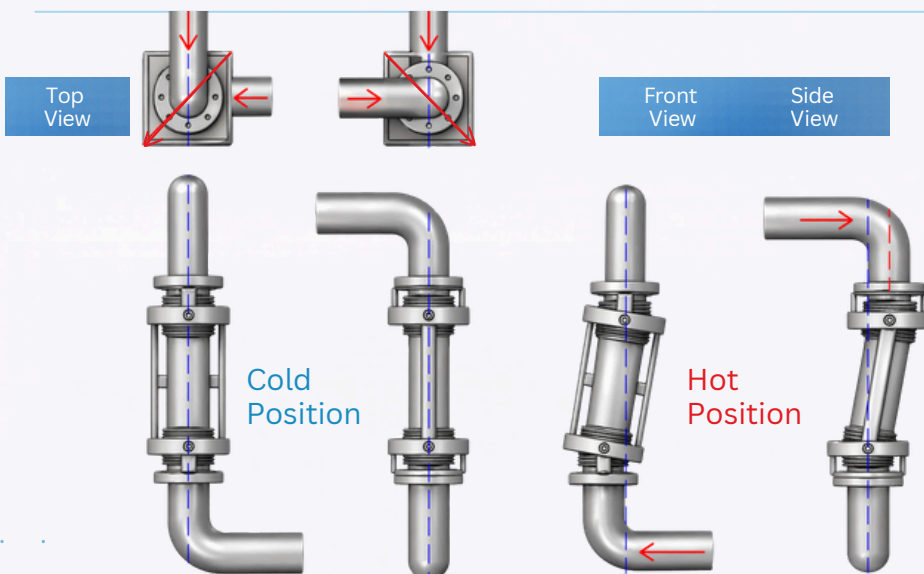


DGEB – Double Gimbal Expansion Bellows

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.
- DGEB assemblies can move laterally in two planes, the hinge orientation is not important.
- 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.



A Double Gimbal Expansion Bellows utilises two Gimbal Expansion Bellows welded to a middle section of pipe, all in the one assembly. This unit allows for large amounts of lateral deflection in multi-plane piping systems.

The Gimbal structure absorbs the pressure thrust generated by the bellows, meaning the pipeline does not require main anchors as the DGEB only generates low forces on the piping system.

