

Gasket Installation Guidelines

Successfully sealing a flanged connection is dependent upon all components working well together.

This is a general guide, always refer to plant approved standards if these are available.

1 Clean & examine

Remove all foreign material and debris
Examine fasteners (bolts or studs) nuts and washers for defects
Examine flange surfaces for warping, radical scores etc
Replace components if found to be defective.



2 Align flanges

Align flange faces and bolt holes without using excessive force.
Report any misalignment.



3 Install gasket

Assure gasket is the specified size and material.
Examine gasket for defects.
Insert gasket between flanges.
The gasket should be centered between the flanges.
Do not use jointing compounds or release agents on the gasket or seating surfaces.
Bring flanges together.



4 Lubricate load-bearing surfaces

Use only specified or approved lubricants and liberally apply.
Ensure lubricant does not contaminate the flange or gasket.



Tools required



Specific tools are required for cleaning and tensing the fasteners. Additionally, always use standard safety equipment and follow good safety practices. Acquire the following equipment prior to installation.

- Calibrated torque wrench
- Hydraulic torque wrench
- Tensioning equipment
- Wire brush (brass, if possible)
- PPE (helmet, goggles, gloves)
- Bolt lubricant
- Other plant specified equipment

5 Install and tighten bolts

Always use proper tools - Calibrated torque wrench or other controlled tensioning device.



6 Retightening

Caution:
Do not retorquer elastomer-based, asbestos-free gaskets after they have been exposed to elevated temperatures, unless otherwise specified.

Retorque fasteners exposed to aggressive thermal cycling.
All retorquing should be performed at ambient temperature and atmospheric pressure.

