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Common Flange Types



SLIP-ON

The slip-on flange has a low hub and is bored slightly larger than the OD of the pipe. This flange is welded on both inside and outside of the flange face to prevent leakage.

Used in lieu of welding necks when cost or space is a major consideration.



WELD NECK

The weld neck (or welding neck) flange is bored to the ID of the pipe and has a high neck to which pipe is welded. Probably the best welding flange available because of its high, heavy neck.

Used wherever a sound welded joint connection is needed



THREADED

The bore of this flange is threaded to match the pipe size.

Used for low pressure systems and where welding could be hazardous.



SOCKET WELD

The socket weld flange is bored to the ID of the pipe and counter bored slightly larger than the OD of the pipe to allow the pipe to be inserted and welded in place.

Used for 4" and smaller high pressure systems.



LAP JOINT

Bored slightly larger than the OD of the pipe, the radius on the bottom matches the radius on the stub end. It is slipped over the pipe and a stub end is welded onto the pipe. The flange is then slipped over the stub end and bolted up.

Used for systems that need frequent cleaning and/or inspection.



BLIND

This flange is a solid circle drilled to match a companion flange.

Used to shut off or blank off piping.