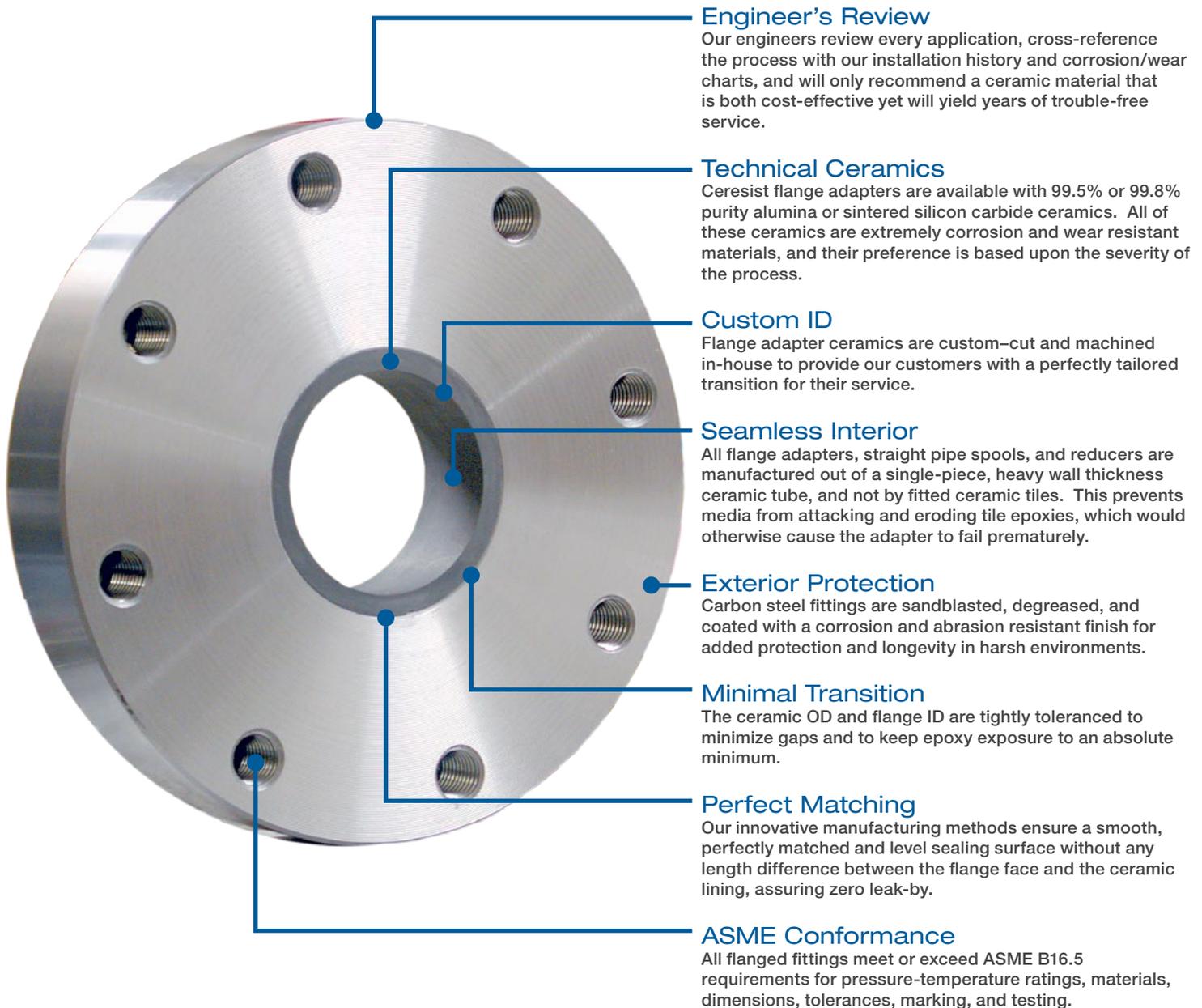


Ceramic-Lined Flange Adapters

Ceresist flange adapters are very versatile and extremely cost-effective wear-preventative items. Heavy wall thickness ceramics are installed to prevent virtually any type of wear caused by ID mis-matching, yet are able to survive in the most aggressive services.



Applications



Valve Damage Due to Worn Piping

If lined piping is in good condition overall but has worn unevenly at the ends, a ceramic flange adapter will prevent costly equipment damage — such as this extensive wear as seen in this stainless steel ball valve.

Ceresist Flange Adapters Are Perfect For:

Flow-Element Protection

When installing valves, pumps, flowmeters, or other equipment whose ID does not match the ID of the piping system, ceramic-lined flange adapters will transition gracefully between the mis-matched diameters, saving the flow element and piping — from wear.

Lined Piping Transitions

Abrasion-resistant pipe materials such as basalt, glass, or cast-in-place linings are rarely perfectly round — especially if they have been in service for an extended amount of time and have experienced wear. Installing mis-matched diameters will cause the downstream flow element to protrude into the flow path and wear rapidly. Rather than replace the partially-worn length of pipe, it is much more economical to install flange adapters to correct mis-matched ID's.

Mini-Reducers

If a short distance between flanges prohibits the use of standard-length reducers, a flange adapter is ideal. Flange adapters can be made to any custom length — from ½" to greater than 4".

Flange Transitions

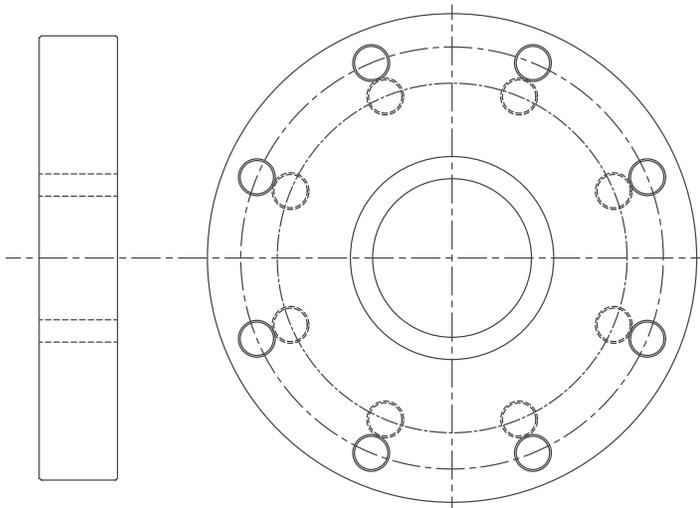
When transitioning between flanges of different class ratings and wear protection is necessary, a ceramic-lined flange adapter is ideal. Upstream and downstream bolt patterns can be custom drilled and/or tapped to suit any scenario.

Ceramic Materials

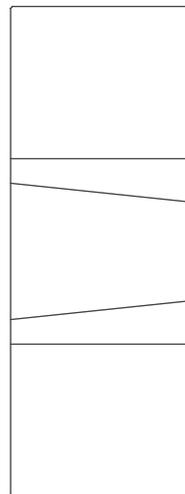
If the flange adapter will be used to correct mis-matched ID's and will therefore be subject to direct impingement, sintered silicon carbide is highly recommended. However, if the service requires the flange adapter to be used as a mini-reducer, both sintered silicon carbide as well as high-purity alumina will perform very well.

Housing Materials

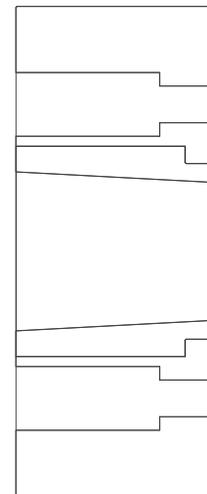
In addition to our standard carbon steel housing, stainless steel 316, 304, and other custom materials can be supplied. Mating surfaces are machined to a phonograph finish to ensure positive sealing. For added protection, a corrosion resistant epoxy coating may be applied to carbon steel housings to offer longevity in harsh environments.



Standard Flange Adapter



Mini-Reducer



Mini-Reducer with Counterbored Socket-Cap Bolt Mounting

Ceresist

176 East 7th Street, Paterson, New Jersey 07524-1609

Telephone: (800) 219-4945 • (973) 345-3231 • Fax: (973) 345-3066

Email: info@ceresist.com • www.ceresist.com