

Shaft Seal Sleeves



Conforma Clad® Sleeves

CONFORMA CLAD® TECHNOLOGY

Conforma Clad® Inc. is a leading provider of severe wear solutions for industrial applications involving extreme abrasion, corrosion, erosion and thermal shock.

Conforma Clad protected sleeves are effective in high wear environments where pump failures are persistent problems.

Our proprietary brazed tungsten carbide cladding is metallurgically bonded to outside diameter (OD) and inside diameter (ID) sleeve surfaces. Conforma Clad's cloth delivery system enables densely packed tungsten carbide to be uniformly applied to complex geometries, providing a protective layer that wears at a uniform and predictable rate. The result is a durable cladding that is extremely abrasion and corrosion resistant.

Conforma Clad sleeves last longer and are able to tolerate maximum equipment demands. They can also endure extreme side loading in the event of an equipment imbalance. The proven reliability of Conforma Clad components has made us an industry standard.



FEATURES & BENEFITS

Proven Results

As the world's largest supplier of sleeves to the oil and gas directional drilling industry, Conforma Clad solves industrial severe wear problems like no one else.

**LASTS
10X
LONGER**

Superior Sleeve Life

The composition of tungsten carbide and nickel chrome boron produces a material that is extremely resistant to abrasive, corrosive and erosive wear. Conforma Clad sleeves can last over ten times longer than alternative materials.

Increased Productivity

Extended sleeve life results in fewer equipment shutdowns and component changes, lengthening run times between maintenance windows.

Enhanced Pump Performance

Decreased wear means less leakage flow on shaft seal sleeves and less frequent packing adjustments.

Smoother Operation

Reduced sleeve wear allows design clearances to be maintained longer, resulting in improved motor equipment control.

Unsurpassed Quality Standards

Conforma Clad sleeves are manufactured according to stringent quality standards that govern material selection, machining, infiltration brazing, surface finishing and packaging.

BEARING & SLEEVE SPECIFICATIONS

Substrates

Available in carbon steel, precipitation hardened steel and most stainless steels.

Temperature

Can withstand temperatures up to 1900° Fahrenheit.

Compatibility

Compatible with typical process chemicals, such as H₂S, H₂SO₃, H₂SO₄, HCl, Cl₂, salt, water and oil.



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CUSTOM PRODUCTS

Conforma Clad offers a wide range of ID and OD clad shaft sleeves and radial bearings to fit an assortment of pump sizes and configurations. Conforma Clad will work with you to design and develop a sleeve or bearing wear solution. In addition, Conforma Clad's brazed tungsten carbide wear protection can be applied to a variety of industrial components that are affected by abrasion, corrosion, erosion and thermal shock.

Conforma Clad produces severe wear solutions for many industrial applications, including pump shaft seal sleeves, pump impellers, radial bearings, direct clad fan components, fan wheel and housing wear liners, burner tips, burner tube liners, pulverizer components and conveyance equipment. Our team of Applications and Materials Engineers is available to evaluate your application and recommend a cost effective solution.

To learn more about Conforma Clad's proven wear solutions, please contact our Applications Engineering team toll-free at 888.289.4590 or by email at info@ConformaClad.com.

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	Diameter Range	Length Range
ID Clad	3/4" - 12"	1/2" - 30"
OD Clad	3/4" - 12"	1/2" - 30"

PROVEN RESULTS

Conforma Clad is the leading provider of sleeves to the oil and gas industry for directional drilling. Sleeves and bearings in this industry experience tremendous side-loading under intense temperatures, in the presence of highly corrosive and abrasive compounds.

Conforma Clad has supplied more than 100,000 radial bearings to the oil and gas industry over the past fifteen years with no catastrophic wear failures. Operators and maintenance teams rely on Conforma Clad to reduce downtime and increase productivity.

Extensive independent performance results and user testimonials consistently demonstrate that Conforma Clad's brazed tungsten carbide cladding outperforms virtually every alternative wear material available.

As a leading provider of severe wear solutions to the oil and gas, power generation, plastics extrusions, industrial and human and pet foods industries, Conforma Clad can successfully protect your components from abrasion, corrosion, erosion and thermal shock.