








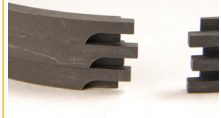


















Product	Brand	Description	Materials	Coatings	Applications
 <p>Butt Cut</p>	 	0.5" to 90" / 12.7mm to 2286mm Butt cut piston rings can be used in conjunction with other rings or as stand-alone applications. Economical, easy-to-install and reliable.	Cast Iron, Ductile Iron Ni-Resist Bronze PTFE Stainless Steel Nickel-Based Alloys Steel	Manganese Phosphate Electroless PTFE/Nickel Chrome Silver Lead Indium Tin & Tin Nickel	Combustion engines Oil & Gas Compressors General Applications
 <p>Side Pin</p>		1.0" to 90" / 25.4mm to 2286mm Side Pin piston rings are used for two-cycle engine applications. These industrial piston rings incorporate an anti-rotation solid-bore pin to prevent ring rotation.	Cast Iron, Ductile Iron Ni-Resist, Bronze PTFE Stainless Steel Nickel-Based Alloys Steel	Manganese Phosphate Electroless PTFE/Nickel Chrome Silver Lead Indium Tin	2-Cycle Engines
 <p>Oil Control</p>		1.0" to 33" / 25.4mm to 838.2mm Oil control piston rings for engine applications, available in single-piece and spring-energized configurations with a wide range of scraping-land designs.	Cast Iron Ductile Iron Bronze	Manganese Phosphate	Engines Compressors
 <p>Angle Cut</p>		.5" to 90" / 12.7mm to 2286mm Economical, easy-to-install and reliable, this versatile angle cut piston ring is designed for a variety of combustion engine and compressor applications	Cast Iron, Ductile Iron Ni-Resist Bronze PTFE Stainless Steel Nickel-Based Alloys PTFE	Manganese Phosphate Tin & Tin Nickel Electroless PTFE/Nickel Chrome Silver Lead Indium	Mobile Hydraulic Industrial Hydraulics Shock Absorbers Turbocharger Assemblies Oil & Gas Compressors Hydro-Electric (Large Diameter, Steel)
 <p>Permaseal®</p>		1.5" to 90" / 38.1mm to 2286mm Innovative sealing ring features bi-directional seal for superior sealing efficiency.	Cast Iron, Ductile Iron Ni-Resist Bronze PTFE	Manganese Phosphate Electroless PTFE/Nickel	Mobile Hydraulic Industrial Hydraulic Shock Absorber Air Compressor
 <p>Lok Seal®</p>		1.5" to 90" / 38.1mm to 2286mm Innovative sealing ring features bi-directional seal for superior sealing efficiency.	Cast Iron, Ductile Iron Ni-Resist Bronze PTFE	Manganese Phosphate Electroless PTFE/Nickel	Mobile Hydraulic Industrial Hydraulic Shock Absorber Air Compressor
 <p>Step Cut</p>		.5" to 90" / 12.7mm to 2286mm Our tough standard sealing ring with step cut design offers exceptional reliability for non-critical sealing applications. As an oil control ring, it restricts oil flow by eliminating the straight path of leakage found in a butt cut.	Cast Iron Ductile Iron Ni-Resist Bronze PTFE Stainless Steel Nickel-Based Alloys Steel	Manganese Phosphate Electroless PTFE/Nickel Chrome Silver Lead Indium Tin & Tin Nickel	Mobile Hydraulic Industrial Hydraulic Shock Absorber Turbocharger Assemblies Oil & Gas Compressors Hydro-Electric (Large Diameter)
 <p>High Temp Seals Multiseals</p>		The Multi-Seal is a positive piston ring seal containing four rails and one polygonal expander, with the polygonal expander providing the contact pressure, along with the overlap gaps on the rails providing the positive seal.	Super-alloy Inconel X-7 50 Super-alloy Rene 41	N/A	Exhaust Manifold Slip Joints Diesel Turbo Exhaust Systems Syno-Room Exhaust Systems Piston Seal on Pressure-balanced plugs

Product	Brand	Description	Materials	Coatings	Applications
 <p>ONEP</p>	 <p>DOUBLE SEAL RING CO.</p>	1.0" to 90" / 25.4mm to 2286mm ONEP sealing rings incorporate the same sealing characteristics as step cut design but with a wider size range than Permaseal® and Lokseal rings.	Cast Iron, Ductile Iron Ni-Resist Bronze PTFE Stainless Steel Nickel-Based Alloys Steel	Manganese Phosphate Electroless PTFE/Nickel	Mobile Hydraulic Industrial Hydraulic Shock Absorber
 <p>Inseal</p>	 <p>DOUBLE SEAL RING CO.</p>	3" to 90" / 76.2mm to 2286mm Inseal sealing rings are designed for mobile and industrial hydraulic, hydroelectric turbines, shock absorber, air compressor, and gas turbine applications with a bidirectional seal designed to pass open ports & close the leak pattern through the joint.	Cast Iron, Ductile Iron Ni-Resist Bronze PTFE Stainless Steel Nickel-Based Alloys Steel, PEEK	Manganese Phosphate Chrome	Mobile Hydraulic Industrial Hydraulic Large Hydraulic Hydroelectric Turbines Shock Absorber Gas Turbines
 <p>Angle Step Cut / Step Seal</p>	 <p>GROVER CORPORATION</p>  <p>DOUBLE SEAL RING CO.</p>	.5" to 90" / 12.7mm to 2286mm This sealing ring has lower leakage characteristics and is available in compression or vacuum angle joint configurations.	Cast Iron, Ductile Iron Ni-Resist Bronze PTFE Stainless Steel Nickel-Based Alloys Steel	Manganese Phosphate Electroless PTFE/Nicke	Air Compressors Hydraulic
 <p>Hook Cut / Steplock</p>	 <p>GROVER CORPORATION</p>  <p>DOUBLE SEAL RING CO.</p>	.75" to 90" / 19.05mm to 2286mm Ideal for use in blind assemblies or wherever restricting ring movement is necessary during installation.	Cast Iron, Ductile Iron Ni-Resist, Bronze PTFE, Stainless Steel Nickel-Based Alloys Steel, PEEK	Manganese Phosphate Tin & Tin Nickel Electroless PTFE/Nickel Chrome Silver Lead Indium	Transmission Torque Converter Pumps