

## Process Piston

The Process piston includes wearbands designed for a 5 psi loading suitable for both lubricated and non-lubricated services. The piston ring and wearband materials are chosen to suit the Process gas, pressures and temperatures of each service.

Larger class cylinders utilize two wearbands located outboard of the piston rings while smaller cylinder classes have one wearband on the outboard end of the piston. The cylinder bore has been extended to allow for the travel of the wearbands.

**Figure: PRC Pistons**

**Double Wearband**



**Single Wearband**



Piston rod materials for Process Applications are:

Service	Material	Coating
Non Corrosive Lubricated	4100 Series Carbon Steel	<a href="#">Ion Nitride</a>
Non Corrosive Non-Lubricated	4100 Series Carbon Steel	<a href="#">Tungsten Carbide</a>
Corrosive Lubricated and Non-Lubricated	17-4PH Stainless Steel	<a href="#">Tungsten Carbide</a>