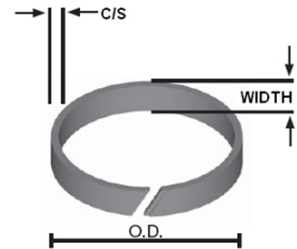


# TOTAL HYDRAULIC SEAL COMPONENTS

## Wear/Guide Rings



**GRN1 Universal Guide Ring for either pistons or rods usage. Standard sizes are available either in inch or metric. Precision molded. Can be a straight cut or angle cut.**



## Wear Rings for Pistons



**GRP1 Piston Guide Ring for light to heavy industrial hydraulic applications. Standard sizes are available either in imperial or metric. Larger sizes can be made upon request. The ID of the ring has chamfered corners for ease of installation.**



**GRP3 Piston Guide Ring with a collar on the internal diameter.**



**GRP5 Piston Guide Ring with axial pressure relief grooves and a collar on the internal diameter.**



**GRP8 A U-shaped cross-section piston guide ring, which can be easily fitted into the groove on the piston.**

## Wear Rings for Rods



**GRR1 Rod Guide Ring for light to heavy industrial hydraulic applications. Standard sizes are available either in inch or metric. The OD of the ring has chamfered corners for ease of installation.**



**GRR4 Rod Guide Ring with a collar on the external diameter.**



**GRR6 Rod Guide Ring with axial pressure relief grooves and a collar on the external diameter.**



**GRR7 A U-shaped cross-section rod guide ring, which can be easily fitted into the groove on the rod.**