



### Technical Details

### Metric

### Inch

### DESIGN

Operating conditions		
Maximum speed	4.0 m/sec	12.0 ft/sec
Temperature range	-45°C + 110°C	-50°F + 230°F

WA16R is rod wiper designed to prevent ingress of foreign particles and moisture in the cylinder. It is developed to be used in harsh environments.

### Surface roughness

The flap of the wiping lip covers the gland housing which prevents the water/slurry trap so common with conventional wipers and thus ingress of contamination around and also on the outside of the wiper.

	$\mu\text{mRa}$	$\mu\text{mRt}$	$\mu\text{inCLA}$	$\mu\text{inRMS}$
Dynamic sealing surface $\varnothing d_1$	0.1 - 0.4	4 max	4 - 16	5 - 18
Static sealing face $\varnothing D_1 \varnothing D_2 H$	1.6 max	10 max	63 max	70 max
Static Housing faces $L_1$	3.2 max	16 max	125 max	140 max

### FEATURES

- Excellent compression set
- Excellent wear & abrasive resistant

### Radii

### MATERIAL

Rod Diameter $\varnothing d_1$	$\leq 50$	$\leq 90$	$\leq 200$	$> 200$
Max fillet rad $r_1$ mm	0.4	0.4	0.4	0.8
Max fillet rad $r_2$ mm	0.2	0.4	0.6	0.8
Rod diameter $\varnothing d_1$	$\leq 2.000$	$\leq 3.500$	$\leq 7.875$	$> 7.875$
Max fillet rad $r_1$ in	0.016	0.016	0.016	0.032
Max fillet rad $r_2$ in	0.008	0.016	0.024	0.032

Seal design comes in a variety of materials and sizes. For more information, please refer to MSDS datasheet.

### APPLICATIONS

Light to medium duty applications

### Tolerances

	$\varnothing d$	$\varnothing D_1$	$\varnothing D_2$	$L_1$	h
mm	f9	H11	H11	+0.2 - 0	+0.10 + 0
in	f9	H11	H11	+0.008 - 0	+0.004 + 0