



Technical Details	Metric	Inch
Operating conditions		
Maximum speed	4.0 m/sec	12.0 ft/sec
Temperature range	-40°C + 120°C	-40°F + 250°F

## DESIGN

WA9 wiper has been designed so that the proportions of the wiping lip ensure it maintains contact with the rod surface to remove heavily deposited mud. The diameter contacts the housing and has a sealing lip to prevent moisture from entering the groove.

## Surface roughness

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

## FEATURES

- Outside lip for effective sealing
- Pressure relief ribs
- Effective scraping lip

## Chamfers & Radii

Rod diameter $\varnothing d_1$ mm	$\leq 50$	$\leq 90$	$\leq 200$	$> 200$
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

## MATERIAL

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

## Tolerances

$\varnothing d_1$	$\varnothing D_1$	$\varnothing D_2$	$L_1$ mm
f9	H11	H11	+0.2 - 0

## APPLICATIONS

Light to medium duty applications