



Rod - groove dimensions		+		-	
material	Aluminium				
bore diameter (mm)	7.20	0.015	0	free	
rod diameter (mm)	7.00	-0.013	-0.028	free	
groove diameter (mm)	12.20	0.043	0	free	
groove width (mm)	4.00	0.2	0	free	
radius (mm)	0.2				
Max. Excentricity	0				

Application		O-Ring		±	
Sealing principle	Rod	compound	NBR		
design	Design. O-Ring & Groove	chemical volume swell (%)	0		
temperature (°C)	21	inner diameter (mm)	7	0.16	ISO 3601
		cross section diameter (mm)	3	0.1	ISO 3601

Results at Service	min.	nom.	max.
Calculated Values at Central Position of Rod:			
O-Ring Compression (%)	7.40	13.33	15.92
Free Groove Volume (%)	22.45	29.08	39.41
O-Ring Inner Diameter Stretch (%)	- 2.63	0.00	2.15
Groove Depth incl. Gap (mm)	2.61	2.60	2.64
Sealing Gap (mm)	0.11	0.10	0.12
Calculated Values at Excentrical Position of Piston:			
O-Ring Compression (%)	3.13		19.60
Groove Depth incl. Gap (mm)	2.49		2.76
Sealing Gap (mm)	0.00		0.24

Comments

Results at Service

Disclaimer

This information is, to the best of our knowledge, accurate and reliable to the date indicated. The above mentioned data have been obtained by tests we consider as reliable. We don't assure that the same results can be obtained in other laboratories, using different conditions by the preparation and evaluation of the samples.