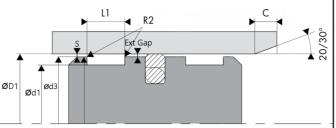
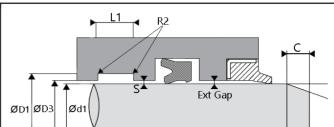
GUIDE RINGS

RS40



PISTON



ROD



TFC	HNI	ICAL	DATA
	TIN.		

Temperature	-40°C / +130°C	
Speed	5.0 m/sec	
Coefficient of Friction	0.05	
Hardness	HRM 100	
Compressive Strength	N/mm² 345	
Media	Mineral hydraulic oils Fire-resistant liquids Biocompatible fluids Water	

TOLERANCES

ød1	h8
øD1	H11
L1	-0.00mm/+0.20mm

MATERIALS

Profiled seal

Synthetic fiber-reinforced polyester composite with Synthetic Graphite micro-powder addition

Guide Ring C/S	Radius Chamfers per Guide Ring	Piston: $Ød3 = ØD1-2GAP$ Rod: $ØD3 = ØD1+2GAP$ For pressure extrusion information refer seal profile data sheet.	
Guide Kilig C/3	requirement	S GAP Min/Max Radial Clearance	
	R2 (mm)	S GAP MIN	S GAP MAX
1.50mm	0.20	0.20mm	0.50mm
2.50mm	0.20	0.40mm	0.90mm
3.00mm	0.40	0.40mm	1.00mm
4.00mm	0.40	0.50mm	1.50mm

SURFACE ROUGHNESS

Roughness	Dynamic surface area	Static surface area	Groove flanks
Ra	0.1 - 0.4 μm	≤1.6 µm	≤ 3.2 µm
Rz	0.63 - 2.5 μm	≤6.3 µm	≤10.0 µm
Rmax	1.0 - 4.0 μm	≤10.0 µm	≤16.0 µm

DESCRIPTION

A general purpose guide ring material for both rod and piston applications. Synthetic fiber reinforced polyester composite with Synthetic Graphite micro-powder addition offers a low frictional coefficient, high load carrying capacity, very low water absorbtion, good chemical resistance and UV stability

ADVANTAGES

Good dimensional stability Good vibration absorption Good friction characteristics Good dry operation Increased life span

APPLICATIONS

Spale Australia

Hydraulic cylinders Hydraulic excavators Mobile machinery Construction equipment Presses

