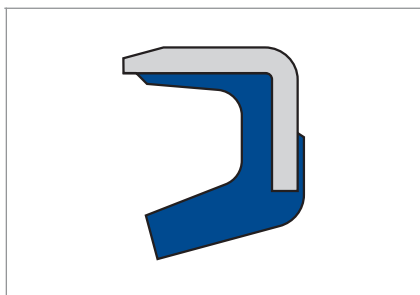


SIMMERRING B1OF



PRODUCT DESCRIPTION

- Outer casing: elastomer
- Sealing lip without spring

PRODUCT ADVANTAGES

- Simple sealing component for secondary applications
- As a seal against grease
- As additional seal against moderate to medium dust and dirt ingress

APPLICATION

- Sealing of pivot bearings
- Sealing of control elements
- Power tools

MATERIAL

Material	Acrylonitrile-butadiene rubber
Code	72 NBR 902
Colour	Blue
Hardness	72 Shore A

Components

Metal insert	Unalloyed steel DIN 1624
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OPERATING CONDITIONS

Media	Greases
T	-40 ... +100 °C
v	≤6 m/s

Max. permissible values depend on the other operating conditions.

FITTING & INSTALLATION

Shaft

Tolerance	ISO h 11
Runout	IT 8
Roughness	$R_a = 0,2 \dots 0,8 \mu\text{m}$
	$R_z = 1,0 \dots 5,0 \mu\text{m}$
	$R_{max} \leq 6,3 \mu\text{m}$
Hardness	45 ... 60 HRC
Finish	No lead; preferably plunge ground

Housing bore

Tolerance	ISO H8
Roughness metal outer surface OD	$R_z = 6,3 \dots 16 \mu\text{m}$

Careful fitting according to DIN 3760 is a prerequisite for the correct function of the seal → Technical Manual.

Range of dimensions for shafts-Ø d1

Simmerring B1OF	8 ... 65 mm
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