

# Simmerring BAOF

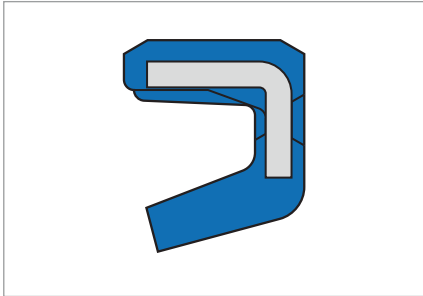


Fig. 1 Simmerring BAOF NBR

## 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

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

## Material

Acrylonitrile-butadiene rubber

<b>Code</b>	72 NBR 902
<b>Colour</b>	Blue
<b>Hardness</b>	72 Shore A
<b>Metal insert</b>	Unalloyed steel DIN 1624

## Operating conditions

<b>Media</b>	Greases
<b>T</b>	-40 ... +100 °C
<b>v</b>	to 6 m/s
<b>P</b>	-

Max. permissible values depend on the other operating conditions.

## Fitting & installation

Shaft

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

Housing bore

<b>Tolerance</b>	ISO H8
<b>Roughness</b>	$R_z = 10 \dots 25 \mu\text{m}$

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

## Range of dimensions for shafts-Ø D<sub>1</sub>

<b>Simmerring BAOF</b>	3 ... 230 mm
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Article list

d <sub>1</sub>	d <sub>2</sub>	b	DIN 3761	Outer surface	Pressure	Material	Article No.	
3	10	6	A	smooth	un-pressurised	72 NBR 902	6317	●
14	20	5	A	smooth	un-pressurised	72 NBR 902	6681	●
80	90	5	A	smooth	un-pressurised	72 NBR 902	389266	●
80	95	5	A	smooth	un-pressurised	72 NBR 902	349011	●
230	250	8	A	smooth	un-pressurised	72 NBR 902	316204	●

● Available from stock ○ On request: Tool is available, delivery at short notice