

# Simmerring B10F

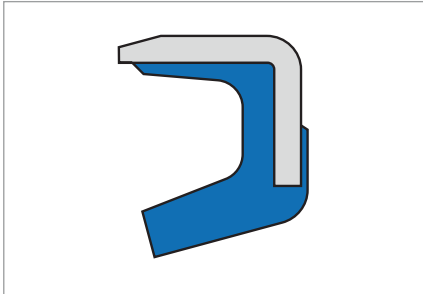


Fig. 1 Simmerring B10F NBR

## Product description

- Outer casing: metal housing
- 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>	$R_z = 6,3 \dots 16 \mu\text{m}$

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

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

<b>Simmerring B10F</b>	8 ... 65 mm
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## Article list

d <sub>1</sub>	d <sub>2</sub>	b	DIN 3761	Outer surface	Pressure	Material	Article No.	
8	14	6	B	metal	un-pressurised	72 NBR 902	419913	●
10	15	3	B	metal	un-pressurised	72 NBR 902	129573	●
10	16	4	B	metal	un-pressurised	72 NBR 902	20247	●
12	18	5,5	B	metal	un-pressurised	72 NBR 902	19578	●
12	30	5	B	metal	un-pressurised	72 NBR 902	8010	●
15	26	4,5	B	metal	un-pressurised	72 NBR 902	19581	●
16	22	4	B	metal	un-pressurised	72 NBR 902	19584	●
16	24	4	B	metal	un-pressurised	72 NBR 902	23770	●
16	24	7	B	metal	un-pressurised	72 NBR 902	19585	●
25	32	5	B	metal	un-pressurised	72 NBR 902	23841	●
28	35	6	B	metal	un-pressurised	72 NBR 902	428755	●
40	47	4	B	metal	un-pressurised	72 NBR 902	344693	●
42,86	59,13	12,7	B	metal	un-pressurised	72 NBR 902	399289	○
45	52	4	B	metal	un-pressurised	72 NBR 902	377784	●
60	70	7	B	metal	un-pressurised	72 NBR 902	415873	○
65	75	8	B	metal	un-pressurised	72 NBR 902	532635	●
90	95	3	B	metal	un-pressurised	72 NBR 902	363577	○
320	340	10	B	metal	un-pressurised	72 NBR 902	429045	○

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