

Simmerring Modular Sealing Solution 7 (MSS 7)

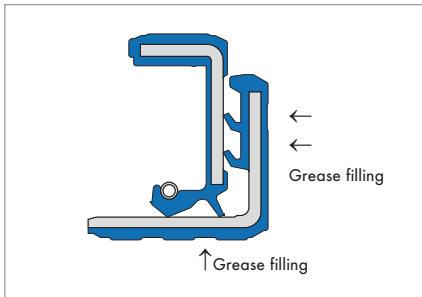


Fig. 1 Simmerring MSS 7

Product description

- Outer casing: elastomer
- Spring-loaded sealing lip
- Additional dust lips
- Modern sealing lip profile
- High resistance to dirt ingress
- Robust solution
- Grease between the sealing lip and dust lip with special lubricant Klüber Petamo GHY 133 N.

Product advantages

- Broad range of applications
- Reliable sealing of the housing bore, even with increased roughness of the bore, thermal expansion and split housings, thus a sealing of low viscosity and gaseous media also possible
- Additional axial dust lip(s) against moderate to medium dust and dirt ingress from outside.

Application

- Sealing of special gearboxes (e.g. automated washing system/ car wash)
- Axles for agricultural and construction machinery, axles for special vehicles.

Material

Acrylonitrile-butadiene rubber

Code	72 NBR 902
Hardness	72 Shore A
Metal insert	Unalloyed steel DIN EN 10027-1
Spring	Spring steel DIN EN 10270-1

Material 75 FKM 585 on enquiry.

Operating conditions

Material	72 NBR 902
T	<80 °C
v	0 ... 5 m/s
P	0 ... 0,05 MPa/0,5 bar

Max. permissible values depend on the other operating conditions.

Fitting & installation

Shaft

Tolerance	ISO h8
Runout:	IT 8
Roughness	R _z = 10 ... 16 µm

Housing bore

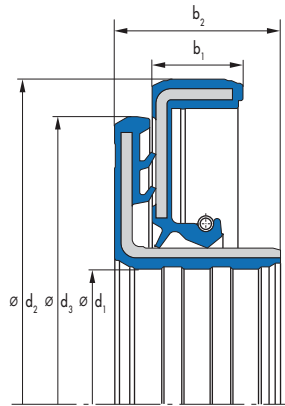
Tolerance	ISO H8
Roughness	R _z = 10 ... 16 µm

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 MSS 7	35 ... 150 mm
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Article list



d_1	d_2	d_3	b_1	b_2	Outer surface	Pressure	Material	Article No.	
35	62	56	8	14	smooth	0,05	72 NBR 902	477277	●
45	75	68	7	12,5	smooth	0,05	72 NBR 902	522352	●
45	80	73	8	15	smooth	0,05	72 NBR 902	522353	●
55	90	83	9	17	smooth	0,05	72 NBR 902	522351	●
60	110	98	10	18	smooth	0,05	72 NBR 902	477237	●
65	100	90	10	18	smooth	0,05	72 NBR 902	522350	●
70	130	110	10	17	smooth	0,05	72 NBR 902	522285	●
80	125	113	10	19	smooth	0,05	72 NBR 902	522349	●
80	150	120	12	22	smooth	0,05	72 NBR 902	522286	●
95	145	135	12	22	smooth	0,05	72 NBR 902	522348	●
100	190	140	12	22	smooth	0,05	72 NBR 902	522305	●
110	170	150	12	22	smooth	0,05	72 NBR 902	522347	●
110	215	150	12	24	smooth	0,05	72 NBR 902	522308	●
120	180	160	12	24	smooth	0,05	72 NBR 902	522346	●
130	215	170	12	24	smooth	0,05	72 NBR 902	522311	●
150	225	190	12	24	smooth	0,05	72 NBR 902	522345	●

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