

# Simmerring Modular Sealing Component (MSC 01, MSC 02)

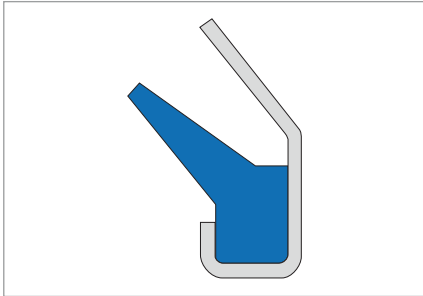


Fig. 1 Simmerring MSC 01

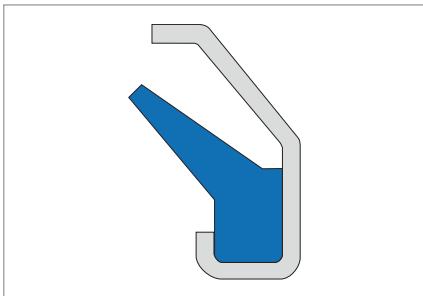


Fig. 2 Simmerring MSC 02

## Product description

- Outer casing: metal housing
- Dust lip without spring.

## Product advantages

- Simple proven sealing component for secondary applications
- As a seal against grease
- As additional seal against moderate to medium dust and dirt ingress
- Can be used as part of the Simmerring Modular Sealing Solution (MSS).

## Application

- Power tools
- Industrial gearboxes
- Pumps.

## Material

Acrylonitrile-butadiene rubber

<b>Code</b>	80 NBR 177458
<b>Colour</b>	Black
<b>Hardness</b>	80 Shore A

Fluoro elastomer

<b>Code</b>	80 FKM 177459
<b>Colour</b>	Red brown
<b>Hardness</b>	80 Shore A

<b>Metal housing</b>	Yellow chromated, deep-drawn steel sheet as corrosion protection.
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Alternatively in stainless steel on enquiry

## Operating conditions

<b>Media</b>	Greases
<b>T</b>	-40 ... +100 °C (NBR) -25 ... +160 °C (FKM)
<b>v</b>	to 6 m/s

Max. permissible values depend on the other operating conditions.

## Fitting & installation

Shaft

<b>Tolerance</b>	ISO h 9
<b>Runout</b>	IT 8
<b>Roughness</b>	$R_z = 1,0 \dots 5,0 \mu\text{m}$
	$R_{\text{max}} = <6,3 \mu\text{m}$

## Range of dimensions for shafts- $\varnothing D_1$

<b>Simmerring MSC 01</b>	10 ... 135 mm
<b>Simmerring MSC 02</b>	15 ... 100 mm

→ Technical Manual.

**Article list**

d <sub>1</sub>	d <sub>2</sub>	b	Outer surface	Pressure	Material	Type	Article No.	
10	24	3,5	metal	un-pressurised	80 NBR 177458	MSC 01	508511	●
10	24	3,5	metal	un-pressurised	80 FKM 177459	MSC 01	508559	●
11	26	3,5	metal	un-pressurised	80 NBR 177458	MSC 01	508512	●
11	26	3,5	metal	un-pressurised	80 FKM 177459	MSC 01	508560	●
12	26	3,5	metal	un-pressurised	80 NBR 177458	MSC 01	508513	●
12	26	3,5	metal	un-pressurised	80 FKM 177459	MSC 01	508561	●
14	30	4	metal	un-pressurised	80 NBR 177458	MSC 01	508514	●
14	30	4	metal	un-pressurised	80 FKM 177459	MSC 01	508562	●
15	30	4	metal	un-pressurised	80 NBR 177458	MSC 01	508515	●
15	30	4	metal	un-pressurised	80 FKM 177459	MSC 01	508563	●
15	32	6	metal	un-pressurised	80 FKM 177459	MSC 02	508604	●
15	32	6	metal	un-pressurised	80 NBR 177458	MSC 02	508628	●
16	32	4	metal	un-pressurised	80 NBR 177458	MSC 01	508516	●
16	32	4	metal	un-pressurised	80 FKM 177459	MSC 01	508564	●
17	32	4	metal	un-pressurised	80 NBR 177458	MSC 01	508517	●
17	32	4	metal	un-pressurised	80 FKM 177459	MSC 01	508565	●
17	34	6	metal	un-pressurised	80 FKM 177459	MSC 02	508605	●
17	34	6	metal	un-pressurised	80 NBR 177458	MSC 02	508629	●
18	33	4	metal	un-pressurised	80 NBR 177458	MSC 01	508518	●
18	33	4	metal	un-pressurised	80 FKM 177459	MSC 01	508566	●
20	35	4	metal	un-pressurised	80 NBR 177458	MSC 01	508519	●
20	35	4	metal	un-pressurised	80 FKM 177459	MSC 01	508567	●
20	37	6	metal	un-pressurised	80 FKM 177459	MSC 02	508606	●
20	37	6	metal	un-pressurised	80 NBR 177458	MSC 02	508630	●
22	40	4	metal	un-pressurised	80 NBR 177458	MSC 01	508520	●
22	40	4	metal	un-pressurised	80 FKM 177459	MSC 01	508568	●
24	40	4	metal	un-pressurised	80 NBR 177458	MSC 01	508521	●
24	40	4	metal	un-pressurised	80 FKM 177459	MSC 01	508569	●
25	40	4	metal	un-pressurised	80 NBR 177458	MSC 01	508522	●
25	40	4	metal	un-pressurised	80 FKM 177459	MSC 01	508571	●
25	42	6	metal	un-pressurised	80 FKM 177459	MSC 02	508607	●
25	42	6	metal	un-pressurised	80 NBR 177458	MSC 02	508631	●
26	40	4	metal	un-pressurised	80 NBR 177458	MSC 01	508523	●
26	40	4	metal	un-pressurised	80 FKM 177459	MSC 01	508572	●
28	43	4	metal	un-pressurised	80 NBR 177458	MSC 01	508524	●
28	43	4	metal	un-pressurised	80 FKM 177459	MSC 01	508573	●
30	47	4,5	metal	un-pressurised	80 NBR 177458	MSC 01	508525	●
30	47	4,5	metal	un-pressurised	80 FKM 177459	MSC 01	508574	●
30	48	6,5	metal	un-pressurised	80 FKM 177459	MSC 02	508608	●
30	48	6,5	metal	un-pressurised	80 NBR 177458	MSC 02	508632	●
32	49	4,5	metal	un-pressurised	80 NBR 177458	MSC 01	508527	●
32	49	4,5	metal	un-pressurised	80 FKM 177459	MSC 01	508575	●
35	52	4,5	metal	un-pressurised	80 NBR 177458	MSC 01	508528	●
35	52	4,5	metal	un-pressurised	80 FKM 177459	MSC 01	508576	●
35	53	6,5	metal	un-pressurised	80 FKM 177459	MSC 02	508609	●
35	53	6,5	metal	un-pressurised	80 NBR 177458	MSC 02	508633	●
38	55	4,5	metal	un-pressurised	80 NBR 177458	MSC 01	508529	●
38	55	4,5	metal	un-pressurised	80 FKM 177459	MSC 01	508577	●
40	57	4,5	metal	un-pressurised	80 NBR 177458	MSC 01	508530	●

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

d <sub>1</sub>	d <sub>2</sub>	b	Outer surface	Pressure	Material	Type	Article No.	
40	57	4,5	metal	un-pressurised	80 FKM 177459	MSC 01	508578	●
40	58	6,5	metal	un-pressurised	80 FKM 177459	MSC 02	508610	●
40	58	6,5	metal	un-pressurised	80 NBR 177458	MSC 02	508634	●
41	57	4,5	metal	un-pressurised	80 NBR 177458	MSC 01	508531	●
41	57	4,5	metal	un-pressurised	80 FKM 177459	MSC 01	508579	●
42	59	4,5	metal	un-pressurised	80 NBR 177458	MSC 01	508532	●
42	59	4,5	metal	un-pressurised	80 FKM 177459	MSC 01	508580	●
45	62	4,5	metal	un-pressurised	80 NBR 177458	MSC 01	508533	●
45	62	4,5	metal	un-pressurised	80 FKM 177459	MSC 01	508581	●
45	63	6,5	metal	un-pressurised	80 FKM 177459	MSC 02	508611	●
45	63	6,5	metal	un-pressurised	80 NBR 177458	MSC 02	508635	●
48	65	4,5	metal	un-pressurised	80 NBR 177458	MSC 01	508534	●
48	65	4,5	metal	un-pressurised	80 FKM 177459	MSC 01	508583	●
50	70	5,5	metal	un-pressurised	80 NBR 177458	MSC 01	508535	●
50	70	5,5	metal	un-pressurised	80 FKM 177459	MSC 01	508584	●
50	72	7,5	metal	un-pressurised	80 FKM 177459	MSC 02	508612	●
50	72	7,5	metal	un-pressurised	80 NBR 177458	MSC 02	508636	●
52	72	5,5	metal	un-pressurised	80 NBR 177458	MSC 01	508536	●
52	72	5,5	metal	un-pressurised	80 FKM 177459	MSC 01	508585	●
55	75	5,5	metal	un-pressurised	80 NBR 177458	MSC 01	508537	●
55	75	5,5	metal	un-pressurised	80 FKM 177459	MSC 01	508586	●
55	77	7,5	metal	un-pressurised	80 FKM 177459	MSC 02	508613	●
55	77	7,5	metal	un-pressurised	80 NBR 177458	MSC 02	508637	●
58	78	5,5	metal	un-pressurised	80 NBR 177458	MSC 01	508539	●
58	78	5,5	metal	un-pressurised	80 FKM 177459	MSC 01	508587	●
60	80	5,5	metal	un-pressurised	80 NBR 177458	MSC 01	508540	●
60	80	5,5	metal	un-pressurised	80 FKM 177459	MSC 01	508588	●
60	82	7,5	metal	un-pressurised	80 FKM 177459	MSC 02	508614	●
60	82	7,5	metal	un-pressurised	80 NBR 177458	MSC 02	508638	●
62	82	5,5	metal	un-pressurised	80 NBR 177458	MSC 01	508544	●
62	82	5,5	metal	un-pressurised	80 FKM 177459	MSC 01	508589	●
65	85	5,5	metal	un-pressurised	80 NBR 177458	MSC 01	508546	●
65	85	5,5	metal	un-pressurised	80 FKM 177459	MSC 01	508590	●
65	87	7,5	metal	un-pressurised	80 FKM 177459	MSC 02	508615	●
65	87	7,5	metal	un-pressurised	80 NBR 177458	MSC 02	508639	●
68	88	5,5	metal	un-pressurised	80 NBR 177458	MSC 01	508547	●
68	88	5,5	metal	un-pressurised	80 FKM 177459	MSC 01	508591	●
70	90	5,5	metal	un-pressurised	80 NBR 177458	MSC 01	508548	●
70	90	5,5	metal	un-pressurised	80 FKM 177459	MSC 01	508592	●
70	92	7,5	metal	un-pressurised	80 FKM 177459	MSC 02	508616	●
70	92	7,5	metal	un-pressurised	80 NBR 177458	MSC 02	508640	●
72	92	5,5	metal	un-pressurised	80 NBR 177458	MSC 01	508549	●
72	92	5,5	metal	un-pressurised	80 FKM 177459	MSC 01	508593	●
75	95	5,5	metal	un-pressurised	80 NBR 177458	MSC 01	508550	●
75	95	5,5	metal	un-pressurised	80 FKM 177459	MSC 01	508594	●
75	97	7,5	metal	un-pressurised	80 FKM 177459	MSC 02	508617	●
75	97	7,5	metal	un-pressurised	80 NBR 177458	MSC 02	508641	●
78	98	5,5	metal	un-pressurised	80 NBR 177458	MSC 01	508551	●
78	98	5,5	metal	un-pressurised	80 FKM 177459	MSC 01	508595	●
80	100	5,5	metal	un-pressurised	80 NBR 177458	MSC 01	508552	●

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80	100	5,5	metal	un-pressurised	80 FKM 177459	MSC 01	508597	●
80	102	7,5	metal	un-pressurised	80 FKM 177459	MSC 02	508618	●
80	102	7,5	metal	un-pressurised	80 NBR 177458	MSC 02	508642	●
85	105	5,5	metal	un-pressurised	80 NBR 177458	MSC 01	508553	●
85	105	5,5	metal	un-pressurised	80 FKM 177459	MSC 01	508598	●
85	107	7,5	metal	un-pressurised	80 FKM 177459	MSC 02	508619	●
85	107	7,5	metal	un-pressurised	80 NBR 177458	MSC 02	508643	●
90	110	5,5	metal	un-pressurised	80 NBR 177458	MSC 01	508554	●
90	110	5,5	metal	un-pressurised	80 FKM 177459	MSC 01	508599	●
90	112	7,5	metal	un-pressurised	80 FKM 177459	MSC 02	508620	●
90	112	7,5	metal	un-pressurised	80 NBR 177458	MSC 02	508644	●
95	115	5,5	metal	un-pressurised	80 NBR 177458	MSC 01	508555	●
95	115	5,5	metal	un-pressurised	80 FKM 177459	MSC 01	508600	●
95	117	7,5	metal	un-pressurised	80 FKM 177459	MSC 02	508621	●
95	117	7,5	metal	un-pressurised	80 NBR 177458	MSC 02	508645	●
100	120	5,5	metal	un-pressurised	80 NBR 177458	MSC 01	508556	●
100	120	5,5	metal	un-pressurised	80 FKM 177459	MSC 01	508601	●
100	122	7,5	metal	un-pressurised	80 FKM 177459	MSC 02	508622	●
100	122	7,5	metal	un-pressurised	80 NBR 177458	MSC 02	508646	●
105	125	5,5	metal	un-pressurised	80 NBR 177458	MSC 01	508557	●
105	125	5,5	metal	un-pressurised	80 FKM 177459	MSC 01	508602	●
135	159	6,5	metal	un-pressurised	80 NBR 177458	MSC 01	508558	●
135	159	6,5	metal	un-pressurised	80 FKM 177459	MSC 01	508603	●

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