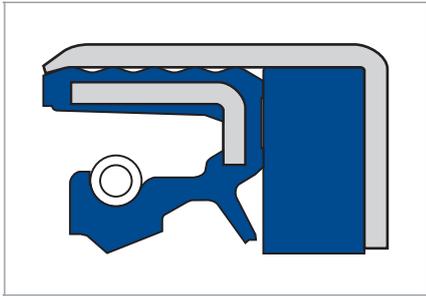


SIMMERRING COMBI SEAL



PRODUCT DESCRIPTION

The Simmerring Combi Seal consists of at least two mounted elements which are preferably used in agricultural and construction machinery. In addition the PU element in this system can provide effective sealing for small axial motions.

PRODUCT ADVANTAGES

- Long service life
- High resistance to dirt ingress due to the optimal positioning of sealing lip and dust lip

Performance in relation to dirt from the outside
High resistance to dirt from the outside. Suitable for protection against dry dirt.

PRODUCT PROPERTIES

- Design: special types, on enquiry
- Combination of a Simmerring and an additional seal against dirt from the outside in one housing
- Spring-loaded sealing lip
- Additional dust lip
- Primarily for usage in all applications with high level of soiling, e.g., in axles for off-road vehicles
- Use preferably instead of the Simmerring Cassette Seal in case of superimposed rotational and translation movements

APPLICATION

- Drives (agricultural vehicles, general industry)
- Drives for rotating, sometimes running shafts in dry application areas.
- Agricultural machinery

MATERIAL

Material	Acrylonitrile-butadiene rubber
Code	75 NBR 106200
Colour	Black
Hardness	75 Shore A

Components

Metal insert	Unalloyed steel DIN 1624 – EN10139
Spring	Spring steel 17223
Dirt wiper	Polyurethane (AU)

OPERATING CONDITIONS

T	≤ +80 °C
v	≤5 m/s
p	≤0,05 MPa

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	$R_z = 10 \dots 16 \mu\text{m}$

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

Further information on enquiry.

Range of dimensions for shafts-Ø d l

Simmerring Combi Seal	30 ... 220 mm
------------------------------	---------------