

**Different qualities of water (including waste)
Slightly corrosive chemical products**
This seal can be used on all rotating machines in the relevant served domains, like centrifugal pumps, compressors, mixers, cooling systems, etc.



- Drive bands assures a high torque transmission
- Compact design, easy to install
- **Temperature:** -40 °C to 150 °C (Depending on materials choice)
- **Pressure:** up to 20 bar
- **Max Speed:** 15 m/s
- **Shaft size:** 12 to 75 mm

Performances shown above are minimum values for standard conditions of use; consult our technical experts for validation.

COEFFICIENT OF CORRECTION OF RESISTANCE TO PRESSURE AND SPEED

	SELECTION FACTOR	COEFFICIENT
Nature of the fluid to be sealed	Petrol/gasoline, Kerosene	× 1
	Water, Aqueous solution	× 1
	Flashing hydrocarbons	× 0,75
Friction faces materials	Carbon vs. silicon carbide	× 1
	Carbone vs. alumina	× 0,8
	Silicon carbide vs. silicon carbide	× 0,6
Fluid temperature	T < 80° C	× 1
	80° C < T < 120° C	× 0,8
	120° C < T < 180° C	× 0,4
Speed	< 3 000 R.P.M	× 1
	> 3 000 R.P.M	× 0,85

DESIGNATION OF MATERIALS

Friction faces	Carbon vs. SIC
	SIC vs. SIC
	Carbon vs. Alumina
Bellows, Cup seat	NBR, HNBR, EPDM or FKW
Metallic parts	Stainless steel

DIMENSIONS OF NBP AND NBR SEALS AND SEAT IN (MM)

SHAFT DIAMETER (D1)	EXTERNAL DIAMETER (D3)	WORKING LENGTH OF THE SEAL HEAD (L3)	WORKING LENGTH OF THE SEAL HEAD ACCORDING TO THE NORM DIN L1K (L3*)	DESIGNATION (SHAFT DIAMETER – HOUSING – THICKNESS)
12	22	15	26,5	12-23-6
14	24	15	29	14-25-6
15	25	15	29	15-27-6
16	26	15	29	16-27-6
18	32	20	31,5	18-33-6
20	34	20	31,5	20-35-6
22	36	20	31,5	22-37-6
24	38	20	34	24-39-6
25	39	20	34	25-40-6
28	42	26	36,5	28-43-6
30	44	26	35,5	30-45-7
32	46	26	35,5	32-48-7
33	47	26	35,5	33-48-7
35	49	26	34,5	35-50-8
38	54	30	37	38-56-8
40	56	30	37	40-58-8
43	59	30	37	43-61-8
45	61	30	37	45-63-8
48	64	30	35	48-66-10
50	66	30	37,5	50-70-10
53	69	30	37,5	53-73-10
55	71	30	37,5	55-75-10
58	78	33	42,5	58-78-10
60	80	33	40,5	60-80-12
63	83	33	40,5	63-83-10
65	85	33	40,5	65-85-12
68	88	33	40,5	68-90-12
70	90	33	48	70-92-12
75	99	40	48	75-97-12

NCP SEAL IN WORKING POSITION

