

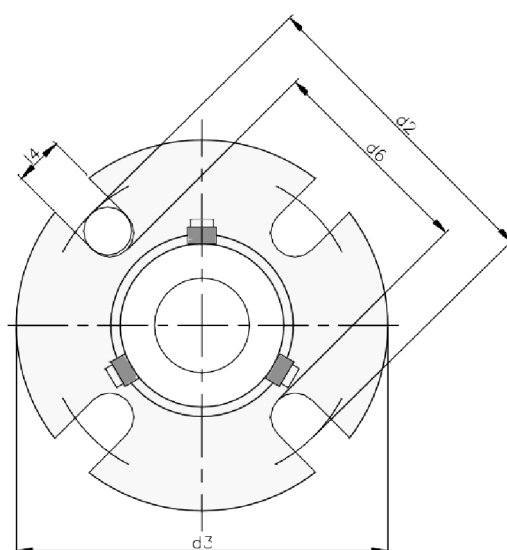


CHARACTERISTICS

- Unbalanced
- Not dependent on the rotation direction.
- Wave spring

SECTOR

- Pharmaceutical industry
- Power plant technology
- Pulp and paper industry
- Water and waste water technology
- Mining industry
- Food and beverage industry
- Sugar industry
- Contaminated, abrasive and solids containing media
- Thick juice (70 ... 75 % sugar content)
- Raw sludge, sewage slurries
- Raw sludge pumps
- Thick juice pumps
- Conveying and bottling of dairy products



OPERATING RANGE

$d_1 = 20 \div 95\text{mm}$, $p = 10 \text{ kg/cm}^2$, $v = 20 \text{ m/s}$, $t = -15 \div +200\text{oC}$ (*)

(*) The temperature resistance depends on the material of the secondary seals used.

The operating limits are defined by the PV factor which is determined for the sealing system characteristics and those of the application.

DESCRIPTION

Single cartridge in which due to its geometry, the rotating part has a wave spring to prevent it from blocking when in contact with viscous fluids or fibres.

SEAL FACE MATERIALS.

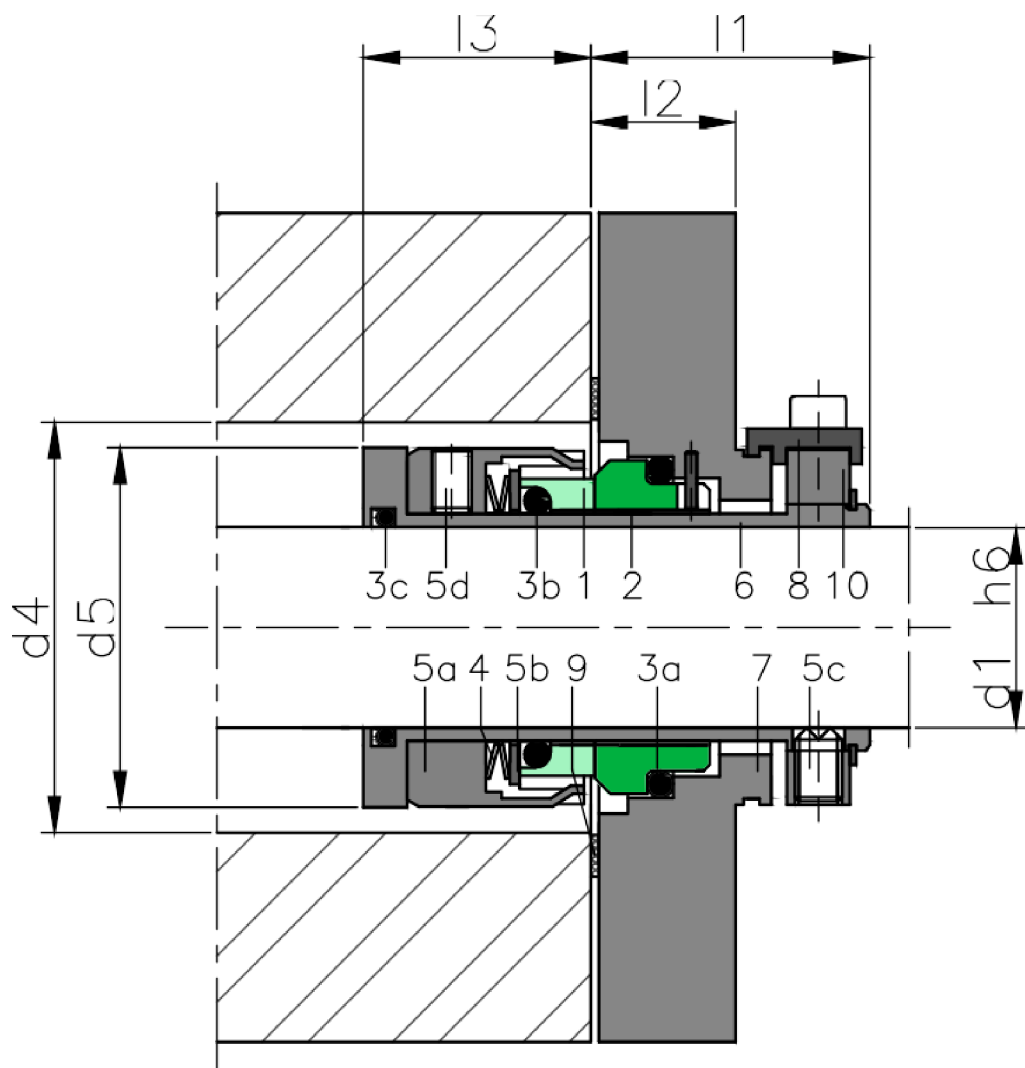
Antimony impregnated carbon graphite
 Resin impregnated carbon graphite
 Sintered silicon carbide
 Reaction bonded silicon carbide
 Tungsten carbide

FEATURES

- For unstepped shafts
- Single seal
- Balanced
- Independent of direction of rotation
- Encapsulated rotating spring

ADVANTAGE

- Especially designed for solids containing and highly viscous media
- Springs are protected from the product
- Rugged and reliable design
- No damage of the shaft by dynamically loaded O-Ring
- Universal application
- Variant for operation under vacuum available
- Variant for sterile operation available



COMPONENTS

- 1 Rotating contact surface
- 2 Stationary contact surface
- 3 O-rings
- 4 Metal bellows
- 5a Metal frame
- 5b Ring
- 5c Set screws
- 5d Set screws
- 6 Sleeve
- 7 Flange
- 8 Setting clips
- 9 Flat gasket
- 10 Drive ring

DIMENSIONS IN CHART

mm	d ₂ min.	d ₂ max.	d ₃	d ₄ min.	d ₄ max.	d ₅	d ₆	l ₁	l ₂	l ₃	l ₄
24	72	93	105	44	52	43	60	32	21	41	12
25	72	93	105	44	52	43	60	32	21	41	12
30	76	98	110	49	56	48	64	32	21	41	12
33	81.5	103	115	57	61.5	55	69.5	32	21	43,5	12
38	86	108	120	62	66	60	74	32	21	42	12
43	90.5	123	135	67	70.5	65	78.5	32	21	42	12
48	98	123	135	74	78	70	86	32	21	45,5	12
55	111	134	150	82	85	81	95	32	21	50,5	16
65	128.5	140	160	93	98.5	91	108.5	32	21	57	20
75	148	170	190	105	118	104	128	32	21	57	20
85	158	170	190	116	128	114	138	32	21	62	20
95	168	195	215	126	138	124	148	32	21	63	20

Dimensions subject to changes or modifications.