

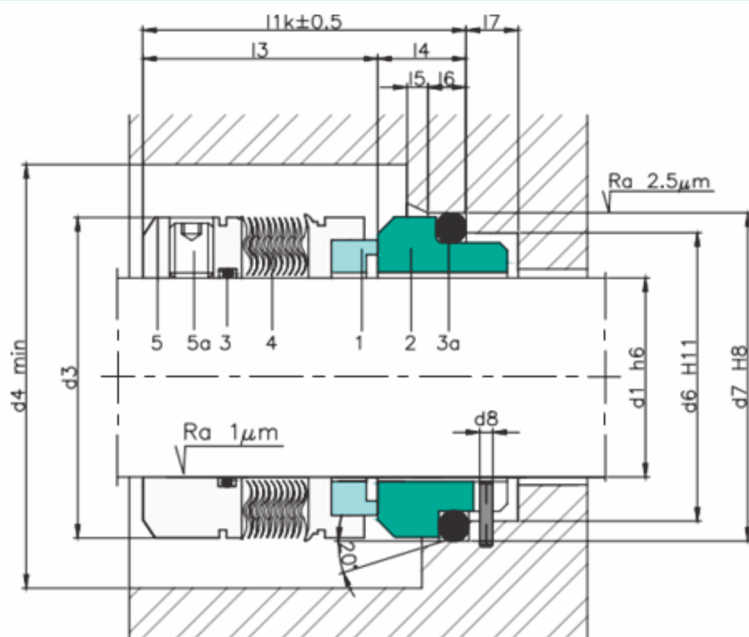


COMPONENTS

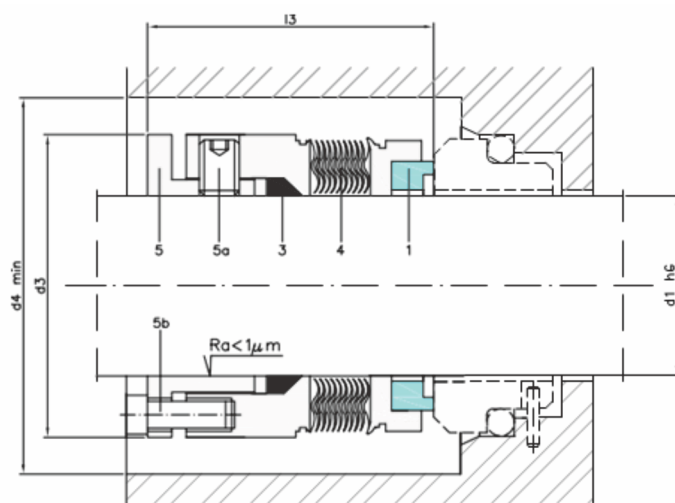
- 1 Rotating contact surface
- 2 Stationary contact surface
- 3 Bellows
- 3a O-rings
- 4 Metal Bellows
- 5 Metal frame
- 5a Set screws

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



E41T



E41TB

OPERATING RANGE

$d_1 = 16 \div 100\text{mm}$, $p = 20 \text{ kg/cm}^2$, $v = 25 \text{ m/s}$, $t = -40 \div +200^\circ\text{C}$ (*)

-40+ +200 °C (up to

400° C with a special design) (*)

(*) 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

Internally balanced, with no need for a stepped shaft (models E41T / E41TB). The O-ring resting on the shaft does not cause wear as there is no axial movement.

Appropriate for applications with sticky or high viscosity fluids as its open leaf design generates a self-cleaning effect. In addition it is suitable for application at moderate pressures and high temperatures (for up to 400° C please enquire) and very aggressive fluids in chemical and mechanical terms. Very often used in compressors.

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

DIMENSIONS IN INCHES

Shaft		Rotary part			Stationary part		
Å Å	mm	d3	d4	l3	d6	d7	l4
0,750	19,05	34	38	30,5	29,5	35	11,5
0,875	22,23	39	43	28,5	33,5	39	11,5
1,000	25,40	39,6	43,6	28,5	34,5	40	11,5
1,125	28,58	42,8	46,8	31	37,5	43	11,5
1,250	31,75	46	50	31	42,5	48	11,5
1,375	34,93	49,2	53,2	31	44,5	50	11,5
1,500	38,10	52,5	56,5	31	49,5	56	14
1,625	41,28	55,5	59,5	31	54,5	61	14
1,750	44,45	59,5	63,5	31	56,5	63	14
1,875	47,63	62,5	66,5	31	59,5	66	14
2,000	50,80	65	69	32,5	62,5	70	15
2,125	53,98	68,2	72,2	32,5	67,5	75	15
2,250	57,15	71,7	75,7	37,5	70,5	78	15
2,375	60,33	75	79	37,5	72,5	80	15
2,500	63,50	79	83	37,5	75,5	83	15
2,625	66,68	84,1	88,1	34,5	81,5	90	18
2,750	69,85	87,3	91,3	42	83,5	92	18
2,875	73,03	92	96	42	88,5	97	18
3,000	76,20	95	99	42	88,5	97	18
3,125	79,38	98,4	102,4	41,8	95,5	105	18,2
3,250	82,55	101,6	105,6	41,8	100,5	110	18,2
3,375	85,73	104,7	108,7	41,8	100,5	110	18,2

Dimensions subject to changes or modifications.

