

RELY ON EXCELLENCE

High temperature seals Y16, Y19, Y66, Y99

Mechanical Seals | Mechanical seals for pumps | Metal bellows seals



Features

- Rotating bellows seal
- Balanced
- No dynamic O-Ring, no hang-up, no shaft sleeve damage
- Uniform seal face loading
- Independent of direction of rotation
- Ideally suited for highly corrosive and abrasive media
- Compact design

Advantages

- Over 35 years of running reference in the field
- Resistant to abrasive particles
- Self cleaning, non-clogging design
- Long seal life due to vibration dampeners at bellows
- Ideal seal for very low as well high temperatures

Operating range

Shaft diameter: $d = 25 \dots 100 \text{ mm}$ (1" ... 3.94")

Pressure:

$p = \text{vacuum to } 25 \text{ bar (362 PSI)}$ (single ply)

$p = \text{vacuum to } 50 \text{ bar (1,000 PSI)}$ (double ply)

Temperature: $t = -75 \text{ }^\circ\text{C} \dots +425 \text{ }^\circ\text{C}$ (-103 °F ... +797 °F)

Sliding velocity: $v_g = 25 \text{ m/s}$ (82 ft/s)

Axial movement: $\pm 0.8 \text{ mm}$

(Consult EB for applications outside above limits).

Materials

Seal ring: Carbon graphite, Silicon carbide, Tungsten carbide

Mating ring: Silicon carbide, Tungsten carbide

Bellows: AM 350

Metal parts: SS 316, other materials on request.

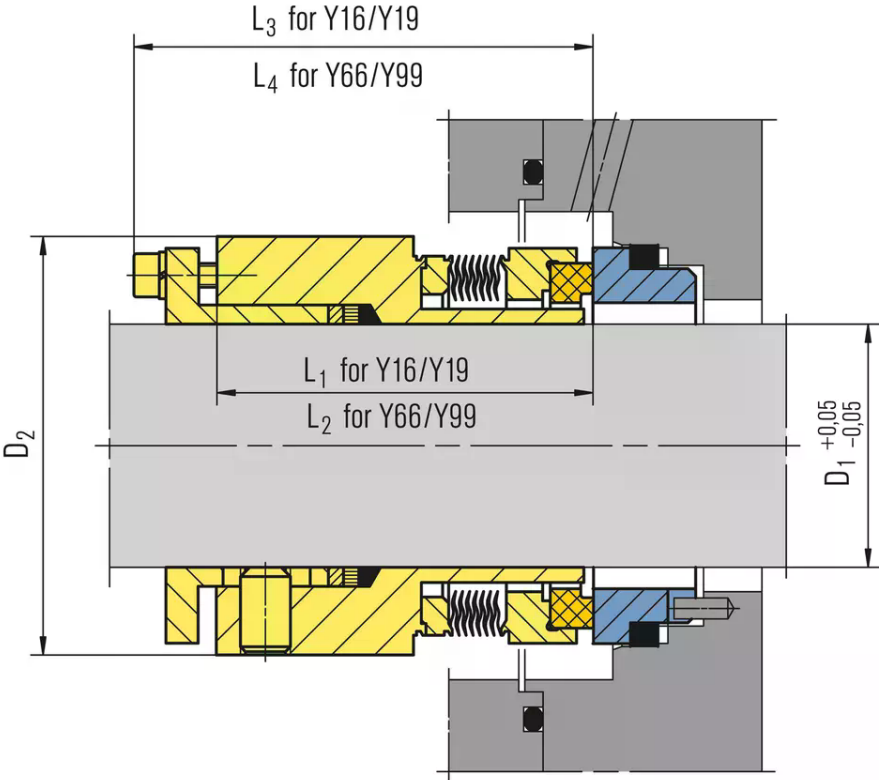
Recommended applications

- Process industry
- Oil and gas industry
- Refining technology
- Petrochemical industry
- Chemical industry
- Pharmaceutical industry
- Power plant technology
- Water and waste water technology
- Building services industry
- Food and beverage industry
- Sugar industry
- Horizontal and vertical pumps, agitators, mixers

Recommended piping plans

API Plans 01, 02, 03, 11, 12, 13, 14, 21, 22, 23, 31, 32, 41, 52, 53A, 53B, 53C, 54, 55, 61, 62, 65A, 65B, 66

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Dimensions

Dash size	D1	D2	L1	L2	L3	L4
D016	19.05	41.27	42.86	58.73	45.35	61.22
D018	22.23	44.45	43.65	59.53	46.15	62.02
D020	25.40	47.63	43.65	59.53	46.28	62.15
D022	28.58	50.80	44.45	60.32	47.14	63.02
D024	31.75	53.97	44.45	60.32	49.66	65.54
D026	34.93	57.15	46.83	62.70	52.05	67.91
D028	38.10	60.32	47.62	63.50	51.84	67.71
D030	41.28	63.50	47.62	63.50	52.83	68.70
D032	44.45	66.67	48.41	64.29	53.62	69.50
D034	47.63	69.85	48.41	64.29	53.62	69.50
D036	50.80	73.02	49.20	65.08	54.41	70.29
D038	53.98	76.20	49.20	65.08	54.41	70.29
D040	57.15	82.55	50.80	69.85	57.58	76.63
D042	60.33	85.72	51.60	70.64	58.64	77.68
D044	63.50	88.90	51.60	70.64	58.64	77.68
D046	66.68	93.66	53.97	73.00	60.00	79.05
D048	69.85	96.83	57.10	76.20	63.17	82.22
D050	73.03	101.60	57.10	76.20	63.17	82.22
D052	76.20	104.77	57.10	76.20	63.17	82.22
D054	79.38	107.95	57.10	76.20	63.17	82.22
D056	82.55	111.10	57.10	76.20	63.17	82.22
D058	85.73	114.30	57.10	76.20	63.17	82.22
D060	88.90	117.50	57.10	76.20	63.17	82.22
D062	92.08	120.65	58.73	77.78	63.17	82.22
D064	95.25	123.82	58.73	77.78	63.17	82.22

Imperial size