EagleBurgmann
a member of EKK and FREUDENBERG

RELY ON EXCELLENCE

High temperature stationary seals Y14, Y44

Mechanical Seals | Mechanical seals for pumps | Metal bellows seals

Features

- Stationary bellows seal
- Balanced
- Uniform seal face loading
- Independent of direction of rotation
- Self-cleaning bellows design

Advantages

- Ideal seal for low as well as high temperature applications
- Ideal seal for high speed application
- Can take more shaft misalignment and run-out than rotary seals
- Seal is free from shaft vibration effect

Operating range

Shaft diameter: d = 25 ... 100 mm (1" ... 3.94")
Pressure:
p = vacuum to 25 bar (362 PSI) (single ply)
p = vacuum to 50 bar (1,000 PSI) (double ply)
Temperature: t = -240 °C ... +425 °C (-400 °F ... +797 °F)
Sliding velocity: vg = 50 m/s (164 ft/s)
Axial movement: ±0.8 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
- Mining Industry
- 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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All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. Subject to change.

Dimensions

Dash size	D1	D2	L1	L2	L3	L4	L5
D016	22.23	46.00	28.85	42.85	87.60	31.29	90.09
D018	25.40	49.20	28.85	42.85	87.60	31.29	90.09
D020	28.58	52.37	28.85	42.85	87.60	31.42	90.22
D022	31.75	55.55	28.85	42.85	87.60	31.42	90.29
D024	34.93	58.72	28.85	42.85	87.60	34.09	92.81
D026	38.10	65.00	30.20	42.85	88.90	35.41	94.11
D028	41.28	65.00	31.00	42.85	89.70	35.21	93.91
D030	44.45	68.20	31.80	42.85	90.50	37.00	95.70
D032	47.63	71.40	31.80	42.85	90.50	37.01	95.70
D034	50.80	74.60	32.50	42.85	91.30	37.71	96.51
D036	53.98	80.95	33.40	46.00	95.30	38.62	100.52
D038	57.15	84.12	34.18	46.00	99.30	39.39	104.51
D040	60.33	87.30	34.98	46.00	100.00	41.76	106.78
D042	63.50	90.50	35.76	46.00	100.90	42.8	107.94
D044	66.68	93.65	36.60	47.63	103.30	43.64	110.34
D046	69.85	100.00	40.80	48.41	108.30	46.82	114.32
D048	73.03	103.20	40.80	48.41	108.30	46.82	114.32
D050	76.20	106.35	40.80	48.41	108.30	46.82	114.32
D052	79.38	109.50	40.80	48.41	108.30	46.82	114.32
D054	82.55	112.70	40.80	48.41	108.30	46.82	114.32
D056	85.73	115.87	40.80	48.41	108.30	46.82	114.32
D058	88.90	119.00	41.86	50.80	111.70	47.88	117.72
D060	92.08	122.20	41.86	50.80	111.70	47.88	117.72
D062	95.25	124.40	41.86	50.80	111.70	47.88	117.72
D064	98.43	128.50	41.86	50.80	111.70	47.88	117.72

Imperial size

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