



- ◎ 单端面
- ◎ 非平衡型
- ◎ 任意旋向
- ◎ 橡胶波纹管

BIA系列是较为常用的机械密封，它通过橡胶波纹管进行传递扭矩，结构简单，紧凑，轴向尺寸短，常使用于油、水等弱腐蚀性介质中。且通过两补偿环可组成双端面密封。

Single seal
Unbalanced
Independent of direction of rotation
Rubber bellows

BIA series is commonly used mechanical seal. It transmits torque through Rubber bellows. The seal has compact structure and small axial size. This seal is commonly used for oil, water and other weak corrosive medium. It can also be used as double seal through double compensational ring.

运行参数

规格: 18~90 mm
 压力: ≤ 1.0 Mpa
 温度: $-20 \sim 120^\circ\text{C}$
 线速度: ≤ 10 m/s
 轴向窜动量: ± 1.0 mm

Operating limits

Specification: 18~90 mm
 Pressure: ≤ 1.0 Mpa
 Temperature: $-20 \sim 120^\circ\text{C}$
 Linear speed: ≤ 10 m/s
 Axial movement: ± 1.0 mm

材料组合

密封端面:
 石墨、碳化硅、碳化钨、氧化铝
辅助密封:
 丁腈胶、氟橡胶、乙丙胶
金属构件:
 不锈钢

Combination of materials

Sealing face
 Graphite, Silicon carbide, Tungsten carbide, Aluminum oxide
Secondary sealing
 Acrylonitrile rubber, Fluorine rubber, Ethylene propylene rubber
Metal component
 Stainless steel

单位 (Unit): mm

d ₁	d ₃	d ₄	d ₆	d ₇	l	l _{1k}	l ₅	l ₆	l ₂₈
18	29.5	31	21	35	22.5	30	2.0	5	7.5
20	31.6	33	24	35	21	29	2.0	5	8
25	40	42	27	40	25.5	33.5	2.0	5	8
28	42.5	44	30	43	25.5	33.5	2.0	5	8
30	45	47	32	45	25.5	34.5	2.0	5	9
32	47.5	49	34	48	33.5	42.5	2.0	5	9
35	50	52	37	50	33.5	42.5	2.0	5	9
40	57	59	42.5	58	33.5	42.5	2.0	6	9
45	63	65	47.5	63	38	47.5	2.0	6	9.5
50	67.8	70	52.5	70	38	47.5	2.5	6	9.5
55	74	77	57.5	75	41	50.5	2.5	6	9.5
60	82.5	85	62.5	80	42	51.5	2.5	6	9.5
70	92	95	73	92	45	56	2.5	7	11
80	105	108	83	104	55	67	2.5	7	12
85	110	113	88	109	64.2	76.2	2.5	7	12
90	115	118	93	111	66.2	78.2	2.5	7	12

* 配有其它非补偿环尺寸,请参照“可选非补偿环结构型式”(P52-P53页)

Please refer to the optional non-compensated ring structural specification for the details of other non compensated dimensions(P52-P53)