

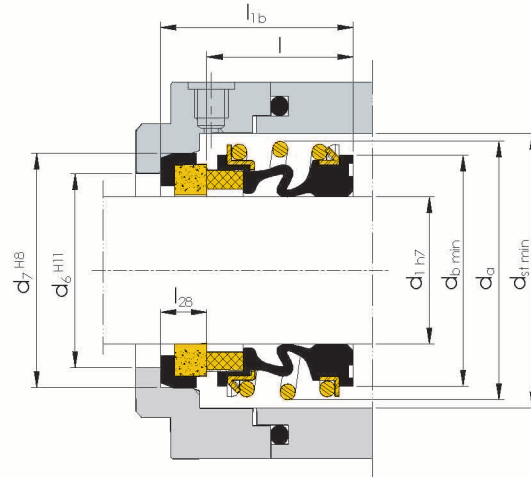
# BGM1

- ◎ 单端面
- ◎ 非平衡型
- ◎ 任意旋向
- ◎ 橡胶波纹管

BGM1系列是最常用的密封.它设计精巧,结构合理,动环通过L环和弹簧传动,广泛应用于清水及含有颗粒的废水,污水中。

**Single seal**  
**Unbalanced**  
**Independent of direction of rotation**  
**Rubber bellows**

BMG1 series is the most commonly used seal. It has an ingenious design and compact structure. The seal face is driven through "L" ring and the spring. It is suitable for waste water containing solids or for sewage water.



### 运行参数

规格: 10~110 mm  
 压力: ≤1.6 Mpa  
 温度: -20~120°C  
 线速度: ≤10 m/s  
 轴向窜动量: ±0.5 mm

### Operating limits

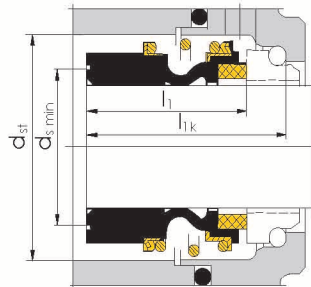
Specification: 10~110 mm  
 Pressure: ≤1.6 Mpa  
 Temperature: -20~120°C  
 Linear speed: ≤10 m/s  
 Axial movement: ±0.5 mm

### 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

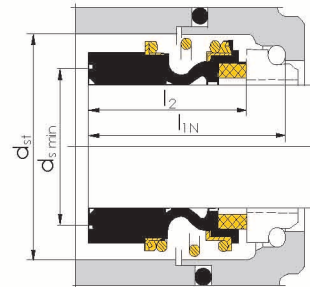
### Combination of materials

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



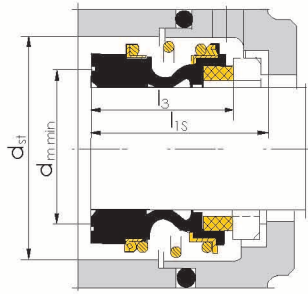
**BGM12**

由加长的波纹管动组件与G6、G60、G606相配,安装尺寸 $l_{1k}$ 符合DIN24960标准。  
 BGM12 is matched with lengthened bellow unit and G6, G60 and G606. The installation dimension  $l_{1k}$  is accord with standard DIN24960



**BGM13**

由更长的波纹管动组件与G6、G60、G606相配,安装尺寸 $l_{1N}$ 符合DIN24960标准。  
 BGM13 is matched with longer bellow unit and G6, G60 and G606. The installation dimension  $l_{1N}$  is accord with standard DIN24960.



### BGM1S20

由特殊尺寸的波纹管组件与G50静环组对,形成的特殊安装尺寸 $l_{1S}$ 。

BGM1S20 is comprised of the special dimension bellows and G50 and form the special installation dimension  $l_{1S}$ .

单位 (Unit): mm

$d_1$	$d_6$	$d_7$	$d_a$	$d_b$	$d_m$	$d_s$	$d_{ST}$	$l$	$l_1$	$l_{1b}$	$l_{1K}$	$l_{1N}$	$l_2$	$l_3$	$l_{28}$
10	17	21	22.5	20.5	18	18	24	14.5	25.9	21.1	32.5	40	33.4	25	6.6
12	19	23	25.0	22.5	20	20	26	15.0	25.9	21.6	32.5	40	33.4	25	6.6
14	21	25	28.5	26.5	22	22	30	17.0	28.4	23.6	35.0	40	33.4	25	6.6
15	-	-	28.5	26.5	22	22	30	17.0	28.4	-	-	-	33.4	25	-
16	23	27	28.5	26.5	22	22	30	17.0	28.4	23.6	35.0	40	33.4	25	6.6
18	27	33	32.0	29.0	29	26	33	19.5	30.0	27	37.5	45	37.5	25	7.5
19	-	-	37.0	33.0	33	28	38	21.5	30.0	-	-	-	37.5	25	-
20	29	35	37.0	33.0	33	28	38	21.5	30.0	29	37.5	45	37.5	25	7.5
22	31	37	37.0	33.0	33	28	38	21.5	30.0	29	37.5	45	37.5	25	7.5
24	33	39	42.5	38.0	38	32	44	22.5	32.5	30	40.0	50	42.5	25	7.5
25	34	40	42.5	38.0	38	32	44	23.0	32.5	30.5	40.0	50	42.5	25	7.5
28	37	43	49.0	44.0	37	37	50	26.5	35.0	34	42.5	50	42.5	33	7.5
30	39	45	49.0	44.0	37	37	50	26.5	35.0	34	42.5	50	42.5	33	7.5
32	42	48	53.5	46.0	41	41	55	27.5	35.0	35	42.5	55	47.5	33	7.5
33	42	48	53.5	46.0	41	41	55	27.5	35.0	35	42.5	55	47.5	33	7.5
35	44	50	57.0	50.0	44	44	59	28.5	35.0	36	42.5	55	47.5	33	7.5
38	49	56	59.0	53.0	53	47	61	30.0	36.0	39	45.0	55	46.0	33	9.0
40	51	58	62.0	55.0	55	49	64	30.0	36.0	39	45.0	55	46.0	33	9.0
42	-	-	65.5	58.0	53	53	67	30.0	36.0	-	-	-	51.0	41	-
43	54	61	65.5	58.0	53	53	67	30.0	36.0	39	45.0	60	51.0	41	9.0
45	56	63	68.0	60.0	55	55	70	30.0	36.0	39	45.0	60	51.0	41	9.0
48	59	66	70.5	63.0	58	58	74	30.5	36.0	39.5	45.0	60	51.0	41	9.0
50	62	70	74.0	65.0	60	60	77	30.5	38.0	40	47.5	60	50.5	41	9.5
53	65	73	78.5	70.0	63	63	81	33.0	36.5	44	47.5	70	59.0	41	11.0
55	67	75	81.0	72.0	65	65	83	35.0	36.5	46	47.5	70	59.0	41	11.0
58	70	78	85.5	75.0	68	68	88	37.0	41.5	48	52.5	70	59.0	41	11.0
60	72	80	88.5	79.0	70	70	91	38.0	41.5	49	52.5	70	59.0	41	11.0
65	77	85	93.5	84.0	77	77	96	40.0	41.5	51	52.5	80	69.0	49	11.0
68	81	90	96.5	88.0	80	80	100	40.0	41.2	51.3	52.5	80	68.7	49	11.3
70	83	92	99.5	90.0	82	82	103	40.0	48.7	51.3	60.0	80	68.7	49	11.3
75	88	97	107.0	95.0	87	87	110	40.0	48.7	51.3	60.0	80	68.7	52	11.3
80	95	105	112.0	100.0	92	92	116	40.0	48.0	52	60.0	90	78.0	56	12.0
85	100	110	120.0	107.0	97	97	124	41.0	46.0	55	60.0	90	76.0	56	14.0
90	105	115	127.0	114.0	104	104	131	45.0	51.0	59	65.0	90	76.0	59	14.0
95	110	120	132.0	119.0	109	109	136	46.0	51.0	60	65.0	90	76.0	59	14.0
100	115	125	137.0	124.0	114	114	140	47.0	51.0	61	65.0	90	76.0	62	14.0
110	125	135	147.0	134.0	-	-	150	49.0	-	63	-	-	-	-	14.0

\* 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)