

SIMART 简灵科技



免维护, 重量轻

直线导向系统

低噪音运行, 无腐蚀

吸振性, 化学抗性

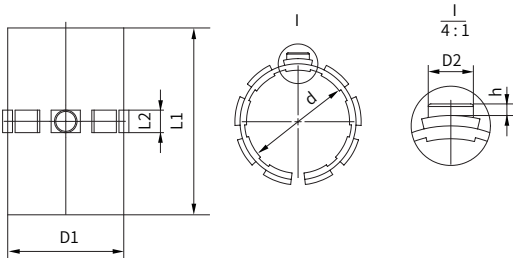
4



滑动膜

简灵科技工程塑料轴承
High Wear Resistance. Cost Down.

封闭式-长款



订购编号示例 1 产品代码 102UM-01-10 2 内径d 10

尺寸[mm]

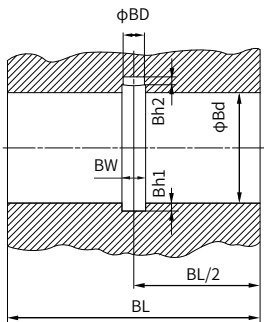
1 产品代码	2 d	d-公差	D1	L1	L2	h	D2	重量(g)
102UM-01-10	10	+0.030 +0.070	12	28	3.0	0.8	2.5	1.10
102UM-01-12	12	+0.030 +0.070	14	31	3.0	0.8	3.0	1.50
102UM-01-16	16	+0.030 +0.070	18	35	3.5	0.8	3.5	2.20
102UM-01-20	20	+0.030 +0.070	23	44	5.0	0.8	3.5	4.90
102UM-01-25	25	+0.030 +0.070	28	57	5.0	0.8	4.0	8.23
102UM-01-30	30	+0.040 +0.085	34	67	5.0	0.8	4.0	14.95
102UM-01-35	35	+0.040 +0.085	39	69	5.0	0.8	4.0	18.20
102UM-01-40	40	+0.040 +0.085	44	79	6.0	1.3	5.0	23.16
102UM-01-50	50	+0.050 +0.150	55	99	7.0	1.3	6.0	45.35
102UM-01-60 ¹⁾	60	+0.050 +0.150	65	124	8.0	2.0	6.5	70.00

1) 两个部分组合而成。

适用于滑动膜102UM-01的基座孔| 尺寸[mm]

产品代码	轴	Bd	BL	BW	Bh1	Bh2	BD
	Ø	H7	h10	+0.05	+0.1	+0.5	+0.2
102UM-01-10	10	12	29	3.0	1.0	1.0	2.6
102UM-01-12	12	14	32	3.0	1.0	1.5	3.1
102UM-01-16	16	18	36	3.5	1.0	1.7	3.6
102UM-01-20	20	23	45	5.0	1.0	2.0	3.6
102UM-01-25	25	28	58	5.0	1.0	2.0	4.1
102UM-01-30	30	34	68	5.0	1.0	2.0	4.1
102UM-01-35	35	39	70	5.0	1.0	2.0	4.1
102UM-01-40	40	44	80	6.0	1.5	2.5	5.1
102UM-01-50	50	55	100	7.0	1.5	2.5	6.1
102UM-01-60 ¹⁾	60	65	125	8.0	2.5	3.0	6.5

1) 两个部分组合而成。

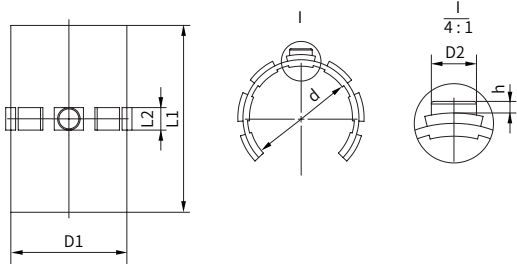


滑动膜

简灵科技工程塑料轴承
High Wear Resistance. Cost Down.



开口式-长款



订购编号示例 1 产品代码 102UMO-01-10 2 内径d 10

尺寸[mm]

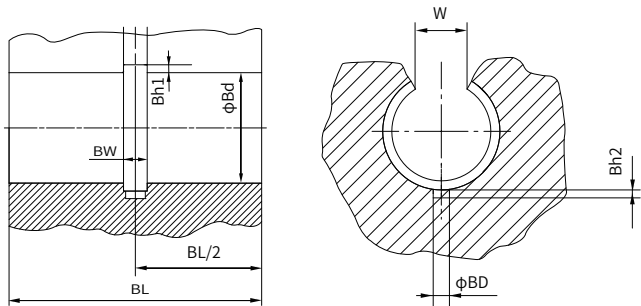
1 产品代码	2 d	d-公差	D1	L1	L2	h	D2	重量(g)
102UMO-01-10	10	+0.030 +0.070	12	28	3.0	0.8	2.5	0.90
102UMO-01-12	12	+0.030 +0.070	14	31	3.0	0.8	3.0	1.16
102UMO-01-16	16	+0.030 +0.070	18	35	3.5	0.8	3.5	1.71
102UMO-01-20	20	+0.030 +0.070	23	44	5.0	0.8	3.5	4.16
102UMO-01-25	25	+0.030 +0.070	28	57	5.0	0.8	4.0	6.97
102UMO-01-30	30	+0.040 +0.085	34	67	5.0	0.8	4.0	12.38
102UMO-01-40	40	+0.040 +0.085	44	79	6.0	1.3	5.0	20.18
102UMO-01-50	50	+0.050 +0.150	55	99	7.0	1.3	6.0	38.60
102UMO-01-60 ¹⁾	60	+0.050 +0.150	65	124	8.0	2.5	6.5	60.10

1) 两个部分组合而成。

适用于滑动膜102UMO-01的基座孔| 尺寸[mm]

产品代码	轴	Bd	BL	W	BW	Bh1	Bh2	BD
	Ø	H7	h10	+0.2	+0.05	+0.1	+0.5	+0.2
102UMO-01-10	10	12	29	7.3	3.0	1.0	1.0	2.6
102UMO-01-12	12	14	32	9.0	3.0	1.0	1.5	3.1
102UMO-01-16	16	18	36	11.6	3.5	1.0	1.7	3.6
102UMO-01-20	20	23	45	12.0	5.0	1.0	2.0	3.6
102UMO-01-25	25	28	58	14.5	5.0	1.0	2.0	4.1
102UMO-01-30	30	34	68	16.6	5.0	1.0	2.0	4.1
102UMO-01-40	40	44	80	21.0	6.0	1.5	2.5	5.1
102UMO-01-50	50	55	100	25.5	7.0	1.5	2.5	6.1
102UMO-01-60 ¹⁾	60	65	125	27.2	8.0	2.5	3.0	6.5

1) 两个部分组合而成。

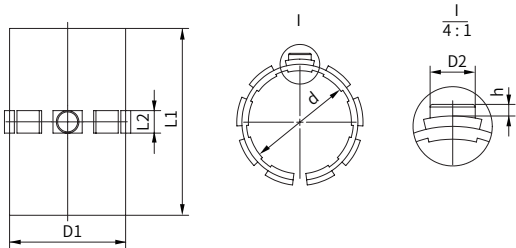


滑动膜

简灵科技工程塑料轴承
High Wear Resistance. Cost Down.



封闭式-短款



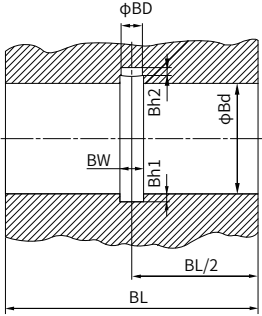
订购编号示例 1 产品代码 102UM-02-10 2 内径d 10

尺寸[mm]

1 产品代码	2 d	d-公差	D1	L1	L2	h	D2	重量 (g)
102UM-02-10	10	+0.030 +0.070	12	25	3.0	0.8	2.5	1.02
102UM-02-12	12	+0.030 +0.070	14	27	3.0	0.8	3.0	1.27
102UM-02-16	16	+0.030 +0.070	18	29	3.5	0.8	3.5	1.82
102UM-02-20	20	+0.030 +0.070	23	29	5.0	0.8	3.5	3.27
102UM-02-25	25	+0.030 +0.070	28	39	5.0	0.8	4.0	5.75
102UM-02-30	30	+0.040 +0.085	34	49	5.0	0.8	4.0	11.28
102UM-02-40	40	+0.040 +0.085	44	59	6.0	1.3	5.0	17.94
102UM-02-45	45	+0.040 +0.085	50	59	7.0	1.3	6.0	27.00
102UM-02-50	50	+0.050 +0.150	55	69	7.0	1.3	6.0	32.56

适用于滑动膜102UM-02的基座孔| 尺寸[mm]

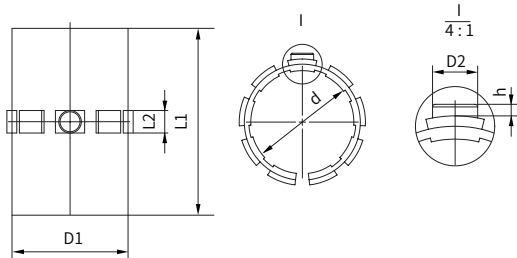
产品代码	轴 Ø	Bd H7	BL h10	BW +0.05	Bh1 +0.1	Bh2 +0.5	BD +0.2
102UM-02-10	10	12	26	3.0	1.0	1.0	2.6
102UM-02-12	12	14	28	3.0	1.0	1.5	3.1
102UM-02-16	16	18	30	3.5	1.0	1.7	3.6
102UM-02-20	20	23	30	5.0	1.0	2.0	3.6
102UM-02-25	25	28	40	5.0	1.0	2.0	4.1
102UM-02-30	30	34	50	5.0	1.0	2.0	4.1
102UM-02-40	40	44	60	6.0	1.5	2.5	5.1
102UM-02-45	45	50	60	7.0	1.5	2.5	6.1
102UM-02-50	50	55	70	7.0	1.5	2.5	6.1



滑动膜

简灵科技工程塑料轴承
High Wear Resistance. Cost Down.

封闭式-长款，耐高温



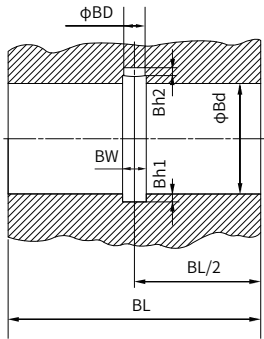
订购编号示例 1 产品代码 130UM-01-12 2 内径d 12

尺寸[mm]

1 产品代码	2 d	d-公差	D1	L1	L2	h	D2	重量(g)
130UM-01-12	12	+0.030 +0.070	14	31	3.0	0.8	3.0	1.50
130UM-01-14	14	+0.030 +0.070	16	35	3.5	0.8	3.5	2.31
130UM-01-16	16	+0.030 +0.070	18	35	3.5	0.8	3.5	2.20
130UM-01-20	20	+0.030 +0.070	23	44	5.0	0.8	3.5	4.90
130UM-01-25	25	+0.030 +0.070	28	57	5.0	0.8	4.0	8.23
130UM-01-30	30	+0.040 +0.085	34	67	5.0	0.8	4.0	14.95
130UM-01-40	40	+0.040 +0.085	44	79	6.0	1.3	5.0	23.16

适用于滑动膜130UM-01的基座孔| 尺寸[mm]

产品代码	轴	Bd	BL	BW	Bh1	Bh2	BD
	Ø	H7	h10	+0.1	+0.5	+0.5	+0.2
130UM-01-12	12	14	32	3.0	1.0	1.5	3.1
130UM-01-14	14	16	30	3.5	1.0	1.7	3.6
130UM-01-16	16	18	36	5.0	1.0	1.7	3.6
130UM-01-20	20	23	45	5.0	1.0	2.0	3.6
130UM-01-25	25	28	58	5.0	1.0	2.0	4.1
130UM-01-30	30	34	68	5.0	1.0	2.0	4.1
130UM-01-40	40	44	80	6.0	1.5	2.1	5.1

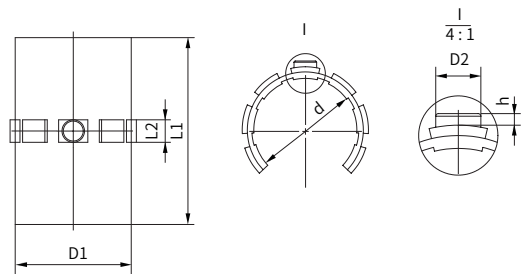


直线导向系统

滑动膜

简灵科技工程塑料轴承
High Wear Resistance. Cost Down.

开口式- 长款，耐高温，用于支撑轴



订购编号示例 **1** 产品代码 130UMO-01-10 **2** 内径d 10

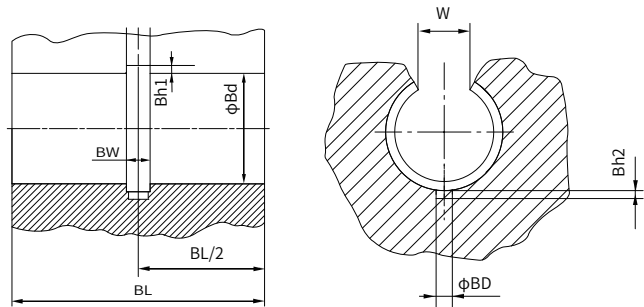
尺寸[mm]

1 产品代码	2 d	d1-公差	D1	L1	L2	h	D2	重量(g)
130UMO-01-10 ¹⁾	10	+0.000 +0.020	12	28	3.0	0.8	2.5	1.00
130UMO-01-12	12	+0.030 +0.070	14	31	3.0	0.8	3.0	1.20
130UMO-01-16	16	+0.030 +0.070	18	35	3.5	0.8	3.5	2.30
130UMO-01-20	20	+0.030 +0.070	23	44	5.0	0.8	3.5	4.30
130UMO-01-25	25	+0.030 +0.070	28	57	5.0	0.8	4.0	6.80
130UMO-01-30	30	+0.040 +0.085	34	67	5.0	0.8	4.0	13.30
130UMO-01-40	40	+0.040 +0.085	44	79	6.0	1.3	5.0	22.60

¹⁾ 一个部件

适用于滑动膜130UMO-01的基座孔| 尺寸[mm]

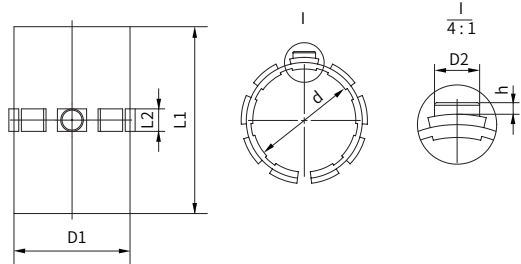
产品代码	轴	Bd	BL	W	BW	Bh1	Bh2	BD
	Ø	H7	h10	+0.2	+0.05	+0.1	+0.5	+0.2
130UMO-01-10	10	12	29	7.3	3.0	1.0	1.0	2.6
130UMO-01-12	12	14	32	9.0	3.0	1.0	1.5	3.1
130UMO-01-16	16	18	36	11.6	3.5	1.0	1.7	3.6
130UMO-01-20	20	23	45	12.0	5.0	1.0	2.0	3.6
130UMO-01-25	25	28	58	14.5	5.0	1.0	2.0	4.1
130UMO-01-30	30	34	68	16.6	5.0	1.0	2.0	4.1
130UMO-01-40	40	44	80	21.0	6.0	1.5	2.5	5.1



滑动膜

简灵科技工程塑料轴承
High Wear Resistance. Cost Down.

封闭式 - 短款，耐高温



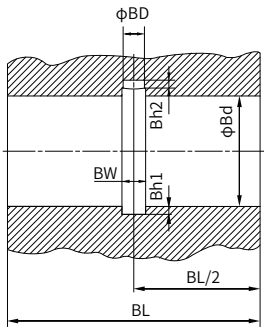
订购编号示例 1 产品代码 130UM-02-12 2 内径d 12

尺寸[mm]

1 产品代码	2 d	d1-公差	D1	L1	L2	h	D2	重量(g)
130UM-02-12	12	+0.030 +0.070	14	27	3.0	0.8	3.0	1.46
130UM-02-16	16	+0.030 +0.070	18	29	3.5	0.8	3.5	2.13
130UM-02-20	20	+0.030 +0.070	23	29	5.0	0.8	3.5	4.70
130UM-02-25	25	+0.030 +0.070	28	39	5.0	0.8	4.0	8.27
130UM-02-30	30	+0.040 +0.085	34	49	5.0	0.8	4.0	15.57
130UM-02-40	40	+0.040 +0.085	44	59	6.0	1.3	5.0	24.0

适用于滑动膜130UM-02的基座孔| 尺寸[mm]

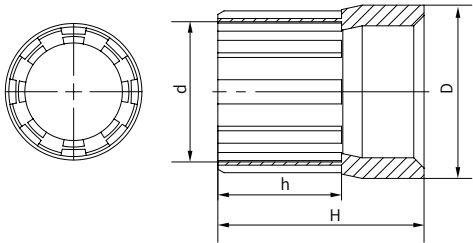
产品代码	轴	Bd	BL	BW	Bh1	Bh2	BD
	Ø	H7	+0.05	+0.05	+0.1	+0.5	+0.2
130UM-02-12	12	14	28	3.0	1.0	1.5	3.1
130UM-02-16	16	18	30	3.5	1.0	1.7	3.6
130UM-02-20	20	23	30	5.0	1.0	2.0	3.6
130UM-02-25	25	28	40	5.0	1.0	2.0	4.1
130UM-02-30	30	34	50	5.0	1.0	2.0	4.1
130UM-02-40	40	44	60	6.0	1.5	2.5	5.1



压配合滑动膜

简灵科技工程塑料轴承
High Wear Resistance. Cost Down.

压配合直线轴承-直套



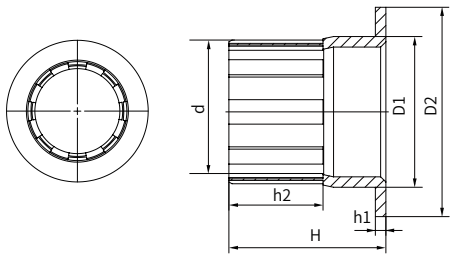
订购编号示例 1 产品代码 103 LM - 0608-10 2 内径d 10

1 产品代码	2 d	d-公差	D	H	h
103LM-0608-10	6	+0.000 +0.040	8	10	6
103LM-0810-12	8	+0.000 +0.050	10	12	8
103LM-1012-14	10	+0.000 +0.050	12	14.5	10
103LM-1012-16	10	+0.000 +0.050	12	16	10
103LM-1214-16	12	+0.000 +0.050	14	16	10
103LM-1214-25	12	+0.000 +0.050	14	25	15
103LM-1618-18	16	+0.000 +0.050	18	18	10
103LM-1618-26	16	+0.000 +0.050	18	26	16
103LM-2023-22	20	+0.000 +0.060	23	22.5	12.5
103LM-2023-30	20	+0.000 +0.060	23	30	20
103LM-2225-30	22	+0.000 +0.060	25	30	20
103LM-2528-29	25	+0.000 +0.060	28	29	19
103LM-2528-35	25	+0.000 +0.060	28	35	25
103LM-3034-34	30	+0.000 +0.060	34	34	24
103LM-3034-40	30	+0.000 +0.060	34	40	30
103LM-4044-40	40	+0.000 +0.060	44	40	30
103LM-4044-50	40	+0.000 +0.060	44	50	40
103LM-5055-50	50	+0.000 +0.070	55	50	40
103LM-5055-60	50	+0.000 +0.070	55	60	50

压配合滑动膜

简灵科技工程塑料轴承
High Wear Resistance. Cost Down.

压配合直线轴承-法兰



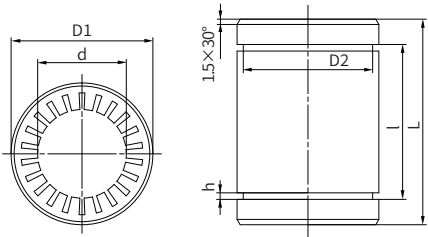
订购编号示例 1 产品代码 103LFM - 0608- 10 2 内径d 10

1 产品代码	2 d	d-公差	D1	D2	H	h1	h2
103LFM-1214-15	12	+0.000 +0.050	14	20	15.0	1.0	9
103LFM-1618-16	16	+0.000 +0.050	18	24	16.0	1.0	10
103LFM-2023-16	20	+0.000 +0.060	23	30	16.5	1.5	10
103LFM-2528-21	25	+0.000 +0.060	28	35	21.5	1.5	11
103LFM-3034-27	30	+0.000 +0.060	34	42	27.0	2.0	15
103LFM-4044-32	40	+0.000 +0.060	44	52	32.0	2.0	20
103LFM-5055-37	50	+0.000 +0.070	55	63	37.5	2.5	25

直线滑动轴承

简灵科技工程塑料轴承
High Wear Resistance. Low Cost.

全塑型-标准型



订购编号示例 1 产品代码 R102 M-01-10 2 内径d 10

与金属滚珠轴承有一致的尺寸，可替换滑动膜压配合安装

技术数据和尺寸[mm]

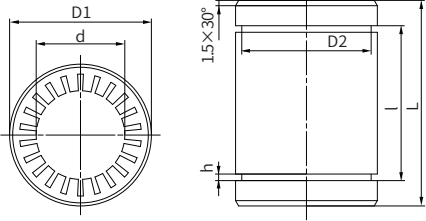
1 产品代码	2 d	d-公差	D1	L	l	h	D2	Fmax 动态 p = 5 Mpa	Fmax静态 p = 35 MPa	重量	压配合力
			h7	h10	H10	H10	h10	[N]	[N]	[g]	[N]
R102M-01-08	8	+0.025 +0.061	16	25	16.20	1.10	15.20	250	1,750	4	400
R102M-01-10	10	+0.025 +0.061	19	29	21.60	1.30	17.50	363	2,538	7	700
R102M-01-12	12	+0.032 +0.075	22	32	22.60	1.30	20.50	480	3,360	9	1,300
R102M-01-16	16	+0.032 +0.075	26	36	24.60	1.30	24.20	720	5,040	13	1,100
R102M-01-20	20	+0.040 +0.092	32	45	31.20	1.60	29.60	1,125	7,875	24	1,500
R102M-01-25	25	+0.040 +0.092	40	58	43.70	1.85	36.50	1,813	12,688	47	3,500
R102M-01-30	30	+0.040 +0.092	47	68	51.70	1.85	43.50	2,550	17,850	72	4,500
R102M-01-40	40	+0.050 +0.112	62	80	60.30	2.15	57.80	4,000	28,000	127	4,200

直线滑动轴承

简灵科技工程塑料轴承
High Wear Resistance. Low Cost.



全塑型-精确型



订购编号示例 1 产品代码 R102 M P - 01- 10 2 内径d 10

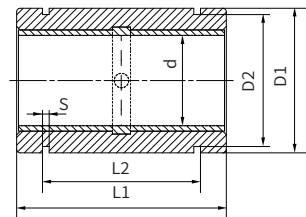
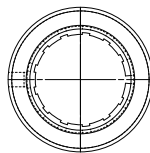
较小压力方便安装，减少轴承间隙，适用温度范围-20℃至+60℃
技术数据和尺寸[mm]

1 产品代码	2 d	d-公差	D1	L	l	h	D2	Fmax 动态 p = 5 Mpa	Fmax静态 p = 35 MPa	重量
			h7	h10	H10	H10	h10	[N]	[N]	[g]
R102MP-01-06	6	+0.000 +0.030	12	19	13.50	1.10	11.50	200	1,400	2
R102MP-01-08	8	+0.000 +0.040	16	25	16.20	1.10	15.20	250	1,750	4
R102MP-01-10	10	+0.000 +0.040	19	29	21.60	1.30	17.50	363	2,538	7
R102MP-01-12	12	+0.000 +0.040	22	32	22.60	1.30	20.50	480	3,360	9
R102MP-01-16	16	+0.000 +0.040	26	36	24.60	1.30	24.20	720	5,040	13
R102MP-01-20	20	+0.000 +0.040	32	45	31.20	1.60	29.60	1,125	7,875	24
R102MP-01-25	25	+0.000 +0.050	40	58	43.70	1.85	36.50	1,813	12,688	47
R102MP-01-30	30	+0.000 +0.050	47	68	51.70	1.85	43.50	2,550	17,850	72

直线滑动轴承

简灵科技工程塑料轴承
High Wear Resistance. Low Cost.

封闭式-阳极氧化铝外壳



订购编号示例 1 产品代码 R102UM-01-10 2 内径d 10

- 滑动膜型号: 102UM-01;
- 与金属滚珠轴承有一致的尺寸, 可替换滑动膜

技术数据和尺寸[mm]

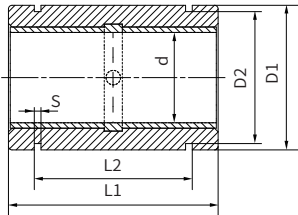
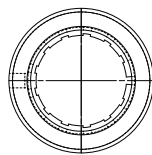
1 产品代码	2 d	d-公差	D1	L1	L2	s	D2	Fmax 动态 p = 5 Mpa	Fmax静态 p = 35 MPa	重量
			h7	h10	H10	H10	h10	[N]	[N]	[g]
R102ZM-01-05 ¹⁾	5	+0.025 +0.060	12	22	14.2	1.10	11.50	525	3,675	5
R102ZM-01-06 ¹⁾	6	+0.025 +0.060	12	22	14.2	1.10	11.50	525	3,675	5
R102ZM-01-08 ¹⁾	8	+0.032 +0.070	16	25	16.2	1.10	15.20	960	6,720	9
R102UM-01-10	10	+0.030 +0.088	19	29	21.60	1.30	17.50	725	5,075	14
R102UM-01-12	12	+0.030 +0.088	22	32	22.60	1.30	20.50	960	6,720	21
R102UM-01-16	16	+0.030 +0.088	26	36	24.60	1.30	24.20	1,440	10,080	28
R102UM-01-20	20	+0.030 +0.091	32	45	31.20	1.60	29.60	2,250	15,750	49
R102UM-01-25	25	+0.030 +0.091	40	58	43.70	1.85	36.50	3,625	25,375	108
R102UM-01-30	30	+0.040 +0.110	47	68	51.70	1.85	43.50	5,100	35,700	162
R102UM-01-40	40	+0.040 +0.115	62	80	60.30	2.15	57.80	8,000	56,000	334
R102UM-01-50	50	+0.050 +0.130	75	100	77.30	2.65	70.50	9,000	87,500	579
R102UM-01-60	60	+0.050 +0.140	90	125	101.70	3.15	86.50	12,000	120,000	1070

¹⁾ d<10mm时, 内装102SM滑动轴套。

直线滑动轴承

简灵科技工程塑料轴承
High Wear Resistance. Cost Down.

封闭式-不锈钢外壳



订购编号示例 1 产品代码 R102UM-01-12-ES 2 内径d 12

- 滑动膜型号: 102UM-01;
- 与金属滚珠轴承有一致的尺寸, 可替换滑动膜

尺寸[mm]

1 产品代码	2 d	D2	L1	L2	s	D2
		h7	h10	H10	H10	h10
R102UM-01-12-ES	12	22	32	22.60	1.30	20.50
R102UM-01-16-ES	16	26	36	24.60	1.30	24.20
R102UM-01-20-ES	20	32	45	31.20	1.60	29.60
R102UM-01-25-ES	25	40	58	43.70	1.85	36.50
R102UM-01-30-ES	30	47	68	51.70	1.85	43.50

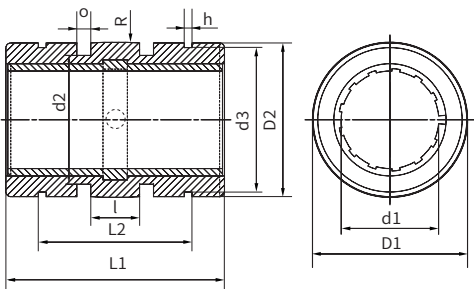
技术数据

产品代码	d1-公差	Fmax 动态 p = 5 Mpa	Fmax静态 p = 35 MPa	重量
		[N]	[N]	[g]
R102UM-01-12-ES	+0.030 +0.088	960	6,720	60
R102UM-01-16-ES	+0.030 +0.088	1,440	10,080	84
R102UM-01-20-ES	+0.030 +0.091	2,250	15,750	147
R102UM-01-25-ES	+0.030 +0.091	3,625	25,375	324
R102UM-01-30-ES	+0.040 +0.110	5,100	35,700	486

直线滑动轴承

简灵科技工程塑料轴承
High Wear Resistance. Cost Down.

封闭式-阳极氧化铝外壳-浮动式



订购编号示例 1 产品代码 R102UM-03-10 2 内径d1 10

- 滑动膜型号：102UM-01;
- 外径减小，在外径面有圆形区域，O型圈用做弹性滑块，硬质阳极氧化表面

尺寸[mm]

1 产品代码	2 d1	D1	L1	L2	h	d3	D2	d2	o	l	R
		h8	h10	H10	H10	h10	h10		+0.1		
R102ZM-03-08 ¹⁾	8	15.8	24.9	16.4	1.10	15.0	15.5	13.2	1.86	5.0	20.0
R102UM-03-10	10	18.8	28.9	21.8	1.30	17.5	18.5	15.4	1.86	5.0	13.0
R102UM-03-12	12	21.8	31.9	22.8	1.30	20.5	21.5	18.4	1.86	6.0	18.0
R102UM-03-16	16	25.8	35.9	24.9	1.30	24.2	25.5	20.4	2.86	8.0	32.0
R102UM-03-20	20	31.8	44.8	31.5	1.60	29.6	31.5	26.4	2.86	10.0	50.0
R102UM-03-25	25	39.8	57.8	44.1	1.85	36.5	39.0	34.4	2.86	12.5	39.0
R102UM-03-30	30	46.7	67.8	52.1	1.85	43.5	46.0	41.4	2.86	15.0	57.0
R102UM-03-40	40	61.7	79.8	60.9	2.15	57.8	61.0	56.4	2.86	20.0	100.0
R102UM-03-50	50	74.7	99.8	78.0	2.65	70.5	74.0	69.4	2.86	25.0	157.0

技术数据

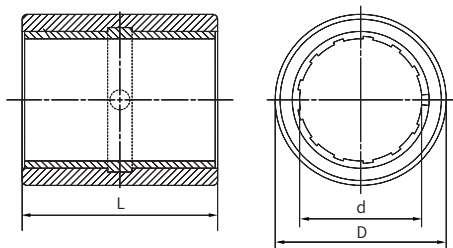
产品代码	基座孔	d1-公差	Fmax 动态 p = 5 Mpa	Fmax 静态 p = 35 MPa	重量
	φH7[mm]		[N]	[N]	[g]
R102ZM-03-08 ¹⁾	16	+0.032 +0.070	960	6,720	8
R102UM-03-10	19	+0.030 +0.088	725	5,075	11
R102UM-03-12	22	+0.030 +0.088	960	6,720	17
R102UM-03-16	26	+0.030 +0.088	1,440	10,080	23
R102UM-03-20	32	+0.030 +0.091	2,250	15,750	44
R102UM-03-25	40	+0.030 +0.091	3,625	25,375	92
R102UM-03-30	47	+0.040 +0.110	5,100	35,700	145
R102UM-03-40	62	+0.040 +0.115	8,000	56,000	311
R102UM-03-50	75	+0.050 +0.130	12,500	87,500	542

¹⁾ d<10mm时，内装102SM滑动轴套。

直线滑动轴承

简灵科技工程塑料轴承
High Wear Resistance. Cost Down.

封闭式-阳极氧化铝外壳-短款



订购编号示例 1 产品代码 R102UM-02-10 2 内径d 10

- 滑动膜型号: 102UM-02;
- 与紧凑型滚珠轴承有一致的尺寸, 也可提供减少间隙的版本R102UM-12($\phi 10-50\text{mm}$)

尺寸[mm]

1 产品代码	2 d	D	L
		K7	h10
R102ZM-02-06 ¹⁾	6	12	22
R102ZM-02-08 ¹⁾	8	15	24
R102UM-02-10	10	17	26
R102UM-02-12	12	19	28
R102UM-02-16	16	24	30
R102UM-02-20	20	28	30
R102UM-02-25	25	35	40
R102UM-02-30	30	40	50
R102UM-02-40	40	52	60
R102UM-02-50	50	62	70

技术数据

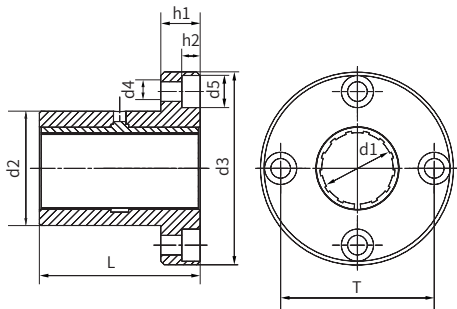
产品代码	基座孔	d-公差	Fmax 动态 $p = 5 \text{ MPa}$	Fmax静态 $p = 35 \text{ MPa}$	重量
	$\phi H7[\text{mm}]$	[mm]	[N]	[N]	[g]
R102ZM-02-06 ¹⁾	12	+0.032 +0.070	600	4,200	4
R102ZM-02-08 ¹⁾	15	+0.032 +0.070	650	4,550	6
R102UM-02-10	17	+0.030 +0.088	650	4,550	8
R102UM-02-12	19	+0.030 +0.088	840	5,880	10
R102UM-02-16	24	+0.030 +0.088	1,200	8,400	17
R102UM-02-20	28	+0.030 +0.091	1,500	10,500	18
R102UM-02-25	35	+0.030 +0.091	2,500	17,500	42
R102UM-02-30	40	+0.040 +0.110	3,750	26,250	56
R102UM-02-40	52	+0.040 +0.115	6,000	42,000	113
R102UM-02-50	62	+0.050 +0.130	8,750	61,250	147

¹⁾ d<10mm时, 内装102SM滑动轴套。

直线滑动-基座轴承

简灵科技工程塑料轴承
High Wear Resistance. Cost Down.

阳极氧化铝外壳-圆形法兰



订购编号示例 1 产品代码 F102UM -01-10 2 内径d1 10

• 滑动膜型号：102UM-01

尺寸[mm]

1 产品代码	2 d1	d2	d3	T	L	h1	h2	d4	d5
		h7							
F102ZM-01-08 ¹⁾	8	16	32	24	25	8	3.1	3.5	6.0
F102UM-01-10	10	19	39	29	29	9	4.1	4.5	7.5
F102UM-01-10-LL	10.4	19	39	29	29	9	4.1	4.5	7.5
F102UM-01-12	12.0	22	42	32	32	9	4.1	4.5	7.5
F102UM-01-12-LL	12.4	22	42	32	32	9	4.1	4.5	7.5
F102UM-01-16	16.0	26	46	36	36	9	4.1	4.5	7.5
F102UM-01-16-LL	16.4	26	46	36	36	9	4.1	4.5	7.5
F102UM-01-20	20.0	32	54	43	45	9	5.1	4.5	9.0
F102UM-01-20-LL	20.5	32	54	43	45	11	5.1	5.5	9.0
F102UM-01-25	25.0	40	62	51	58	11	5.1	5.5	9.0
F102UM-01-25-LL	25.5	40	62	51	58	11	5.1	5.5	9.0
F102UM-01-30	30.0	47	76	62	68	11	6.1	6.6	11.0
F102UM-01-30-LL	30.6	47	76	62	68	14	6.1	6.6	11.0
F102UM-01-40	40.0	62	98	80	80	18	8.1	9.0	14.0
F102UM-01-50	50.0	75	112	100	100	18	8.1	9.0	14.0

技术数据

产品代码	d1-公差	Fmax 动态 p = 5 Mpa	Fmax静态 p = 35 MPa	重量
		[N]	[N]	[g]
F102ZM-01-08 ¹⁾	+0.032 +0.070	960	6,720	20
F102UM-01-10	+0.030 +0.088	725	5,075	32
F102UM-01-10-LL	+0.030 +0.088	725	5,075	32
F102UM-01-12	+0.030 +0.088	960	6,720	42
F102UM-01-12-LL	+0.030 +0.088	960	6,720	42
F102UM-01-16	+0.030 +0.088	1,440	10,080	51
F102UM-01-16-LL	+0.030 +0.088	1,440	10,080	51
F102UM-01-20	+0.030 +0.091	2,250	15,750	88
F102UM-01-20-LL	+0.030 +0.091	2,250	15,750	88
F102UM-01-25	+0.030 +0.091	3,625	25,375	152
F102UM-01-25-LL	+0.030 +0.091	3,625	25,375	152
F102UM-01-30	+0.040 +0.110	5,100	35,700	266
F102UM-01-30-LL	+0.040 +0.110	5,100	35,700	266
F102UM-01-40	+0.040 +0.115	8,000	56,000	552
F102UM-01-50	+0.050 +0.150	12,500	87,500	853

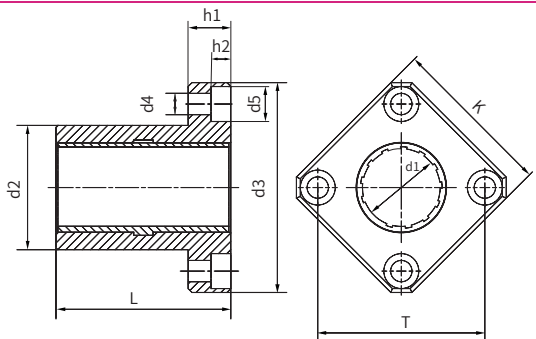
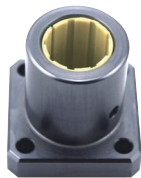
¹⁾ d<10mm时，内装102SM滑动轴套。

*- LL 浮动直线轴承

直线滑动-基座轴承

简灵科技工程塑料轴承
High Wear Resistance. Cost Down.

阳极氧化铝外壳-方形法兰



订购编号示例 1 产品代码 F102UM - 02- 10 2 内径d1 10

• 滑动膜型号: 102UM-01

尺寸[mm]

1 产品代码	2 d1	d2	d3	T	K	L	h1	h2	d4	d5
		h7								
F102ZM-02-08 ¹⁾	8	16	32	24	25	25	8	3.1	3.5	6.0
F102UM-02-10	10	19	39	29	30	29	9	4.1	4.5	7.5
F102UM-02-10-LL	10.4	19	39	29	30	29	9	4.1	4.5	7.5
F102UM-02-12	12.0	22	42	32	32	32	9	4.1	4.5	7.5
F102UM-02-12-LL	12.4	22	42	32	32	32	9	4.1	4.5	7.5
F102UM-02-16	16.0	26	46	36	35	36	9	4.1	4.5	7.5
F102UM-02-16-LL	16.4	26	46	36	35	36	9	4.1	4.5	7.5
F102UM-02-20	20.0	32	54	43	42	45	9	5.1	4.5	9.0
F102UM-02-20-LL	20.5	32	54	43	42	45	11	5.1	5.	9.0
F102UM-02-25	25.0	40	62	51	50	58	11	5.1	5.5	9.0
F102UM-02-25-LL	25.5	40	62	51	50	58	11	5.1	5.5	9.0
F102UM-02-30	30.0	47	76	62	60	68	11	6.1	6.6	11.0
F102UM-02-30-LL	30.6	47	76	62	60	68	14	6.1	6.6	11.0
F102UM-02-40	40.0	62	98	80	75	80	18	8.1	9.0	14.0
F102UM-02-50	50.0	75	112	100	88	100	18	8.1	9.0	14.0

技术数据

产品代码	d1-公差	Fmax 动态 p = 5 Mpa	Fmax静态 p = 35 MPa	重量
		[N]	[N]	[g]
F102ZM-02-08 ¹⁾	+0.032 +0.070	960	6,720	17
F102UM-02-10	+0.030 +0.088	725	5,075	25
F102UM-02-10-LL	+0.030 +0.088	725	5,075	25
F102UM-02-12	+0.030 +0.088	960	6,720	32
F102UM-02-12-LL	+0.030 +0.088	960	6,720	32
F102UM-02-16	+0.030 +0.088	1,440	10,080	41
F102UM-02-16-LL	+0.030 +0.088	1,440	10,080	41
F102UM-02-20	+0.030 +0.091	2,250	15,750	73
F102UM-02-20-LL	+0.030 +0.091	2,250	15,750	73
F102UM-02-25	+0.030 +0.091	3,625	25,375	135
F102UM-02-25-LL	+0.030 +0.091	3,625	25,375	135
F102UM-02-30	+0.040 +0.110	5,100	35,700	228
F102UM-02-30-LL	+0.040 +0.110	5,100	35,700	228
F102UM-02-40	+0.040 +0.115	8,000	56,000	454
F102UM-02-50	+0.050 +0.150	12,500	87,500	735

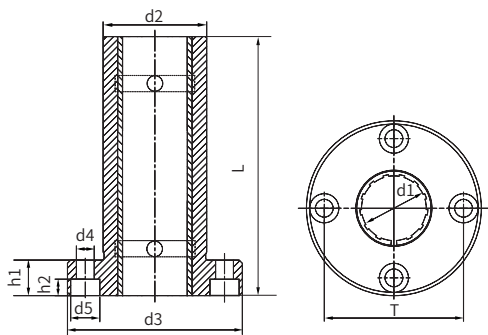
¹⁾ d<10mm时, 内装102SM滑动轴套。

*- LL 浮动直线轴承

直线滑动-基座轴承

简灵科技工程塑料轴承
High Wear Resistance. Cost Down.

阳极氧化铝外壳-圆形法兰，串联式



订购编号示例 1 产品代码 F102UMT-01-10 2 内径d1 10

• 配备两个102UM-02滑动膜，增加导向长度

尺寸[mm]

1 产品代码	2 d1	d2	d3	T	L	h1	h2	d4	d5
		h7							
F102ZMT-01-08 ¹⁾	8.0	16	32	24	45	8	3.1	3.5	6.0
F102UMT-01-10	10.0	19	39	29	52	9	4.1	4.5	7.5
F102UMT-01-10-LL	10.4	19	39	29	52	9	4.1	4.5	7.5
F102UMT-01-12	12.0	22	42	32	57	9	4.1	4.5	7.5
F102UMT-01-12-LL	12.4	22	42	32	57	9	4.1	4.5	7.5
F102UMT-01-16	16.0	26	46	36	70	9	4.1	4.5	7.5
F102UMT-01-16-LL	16.4	26	46	36	70	9	4.1	4.5	7.5
F102UMT-01-20	20.0	32	54	43	80	11	5.1	5.5	9.0
F102UMT-01-20-LL	20.5	32	54	43	80	11	5.1	5.5	9.0
F102UMT-01-25	25.0	40	62	51	112	11	5.1	5.5	9.0
F102UMT-01-25-LL	25.5	40	62	51	112	11	5.1	5.5	9.0
F102UMT-01-30	30.0	47	76	62	123	14	6.1	6.6	11.0
F102UMT-01-30-LL	30.6	47	76	62	123	14	6.1	6.6	11.0
F102UMT-01-40	40.0	62	98	80	151	18	8.1	9.0	14.0
F102UMT-01-50	50.0	75	112	94	192	18	8.1	9.0	14.0

¹⁾ 装配两个102SM-0810-16轴套

技术数据

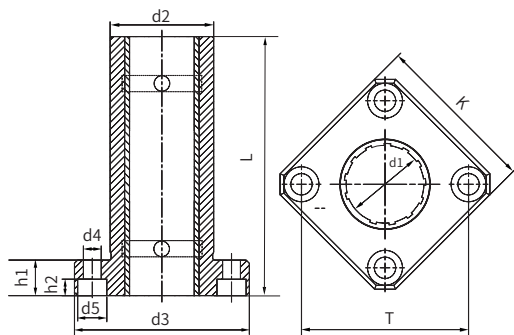
产品代码	尺寸 公称直径	d1-公差	导向长度	直线轴承 承载表面积	重量
	[mm]	[mm]	[mm]	[mm ²]	[g]
F102ZMT-01-08 ¹⁾	8	+0.032 +0.070	45	256	27.13
F102UMT-01-10	10	+0.030 +0.088	52	250	43.75
F102UMT-01-10-LL	10	+0.030 +0.088	52	250	43.75
F102UMT-01-12	12	+0.030 +0.088	57	324	57.00
F102UMT-01-12-LL	12	+0.030 +0.088	57	324	57.00
F102UMT-01-16	16	+0.030 +0.088	70	464	78.28
F102UMT-01-16-LL	16	+0.030 +0.091	70	464	78.28
F102UMT-01-20	20	+0.030 +0.091	80	580	126.42
F102UMT-01-20-LL	20	+0.030 +0.091	80	580	126.42
F102UMT-01-25	25	+0.030 +0.091	112	975	248.85
F102UMT-01-25-LL	25	+0.030 +0.091	112	975	248.85
F102UMT-01-30	30	+0.040 +0.110	123	1,470	388.37
F102UMT-01-30-LL	30	+0.040 +0.110	123	1,470	388.37
F102UMT-01-40	40	+0.040 +0.115	151	2,360	835.00
F102UMT-01-50	50	+0.050 +0.150	192	3,450	1,352.30

*- LL 浮动直线轴承

直线滑动-基座轴承

简灵科技工程塑料轴承
High Wear Resistance. Cost Down.

阳极氧化铝外壳-方形法兰，串联式



订购编号示例 1 产品代码 F102UMT-02-10 2 内径d1 10

- 配备两个102UM-02滑动膜，增加导向长度

尺寸[mm]

1 产品代码	2 d1	d2	d3	T	K	L	h1	h2	d4	d5
		h7								
F102ZMT-02-08 ¹⁾	8.0	16	32	24	25	45	8	3.1	3.5	6.0
F102UMT-02-10	10.0	19	39	29	30	52	9	4.1	4.5	7.5
F102UMT-02-10-LL	10.4	19	39	29	30	52	9	4.1	4.5	7.5
F102UMT-02-12	12.0	22	42	32	32	57	9	4.1	4.5	7.5
F102UMT-02-12-LL	12.4	22	42	32	32	57	9	4.1	4.5	7.5
F102UMT-02-16	16.0	26	46	36	35	70	9	4.1	4.5	7.5
F102UMT-02-16-LL	16.4	26	46	36	35	70	9	4.1	4.5	7.5
F102UMT-02-20	20.0	32	54	43	42	80	11	5.1	5.5	9.0
F102UMT-02-20-LL	20.5	32	54	43	42	80	11	5.1	5.5	9.0
F102UMT-02-25	25.0	40	62	51	50	112	11	5.1	5.5	9.0
F102UMT-02-25-LL	25.5	40	62	51	50	112	11	5.1	5.5	9.0
F102UMT-02-30	30.0	47	76	62	60	123	14	6.1	6.6	11.0
F102UMT-02-30-LL	30.6	47	76	62	60	123	14	6.1	6.6	11.0
F102UMT-02-40	40.0	62	98	80	75	151	18	8.1	9.0	14.0
F102UMT-02-50	50.0	75	112	94	88	192	18	8.1	9.0	14.0

¹⁾ 装配两个102SM-0810-16轴套

技术数据

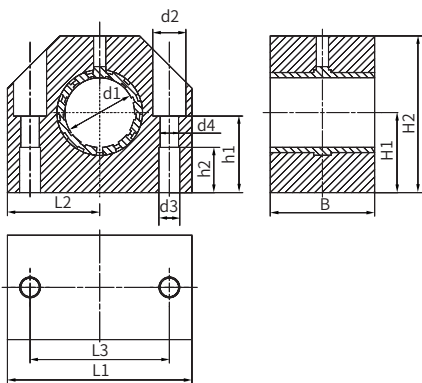
产品代码	尺寸	d1-公差	导向长度	直线轴承	重量
	公称直径			承载表面积	
	[mm]	[mm]	[mm]	[mm ²]	[g]
F102ZMT-02-08 ¹⁾	8	+0.032 +0.070	45	256	23.00
F102UMT-02-10	10	+0.030 +0.088	52	250	36.58
F102UMT-02-10-LL	10	+0.030 +0.088	52	250	36.58
F102UMT-02-12	12	+0.030 +0.088	57	324	48.19
F102UMT-02-12-LL	12	+0.030 +0.088	57	324	48.19
F102UMT-02-16	16	+0.030 +0.088	70	464	67.79
F102UMT-02-16-LL	16	+0.030 +0.091	70	464	67.79
F102UMT-02-20	20	+0.030 +0.091	80	580	110.06
F102UMT-02-20-LL	20	+0.030 +0.091	80	580	110.06
F102UMT-02-25	25	+0.030 +0.091	112	975	230.06
F102UMT-02-25-LL	25	+0.030 +0.091	112	975	230.06
F102UMT-02-30	30	+0.040 +0.110	123	1,470	350.74
F102UMT-02-30-LL	30	+0.040 +0.110	123	1,470	350.74
F102UMT-02-40	40	+0.040 +0.115	151	2,360	739.30
F102UMT-02-50	50	+0.050 +0.150	192	3,450	1,249.30

*- LL 浮动直线轴承

直线滑动-基座轴承

简灵科技工程塑料轴承
High Wear Resistance. Cost Down.

封闭式-阳极氧化铝外壳-短款



订购编号示例

1 产品代码 R102UM-05-10

2 内径d1 10

• 滑动膜型号: 102UM-02

尺寸[mm]

1 产品代码	2 d1	H1	H2	L1	L2	L3	d2	d3	d4	h1	h2	B
		+0.010 -0.014				±0.15						
R102ZM-05-08 ¹⁾	8	14	27	32	16.0	23	6.0	M4	3.4	13	9	24
R102UM-05-10	10	16	33	40	20.0	29	8.0	M5	4.3	16	11	26
R102UM-05-12	12	17	33	40	20.0	29	8.0	M5	4.3	16	11	28
R102UM-05-16	16	19	38	45	22.5	34	8.0	M5	4.3	18	11	30
R102UM-05-20	20	23	45	53	26.5	40	9.5	M6	5.3	22	13	30
R102UM-05-25	25	27	54	62	31.0	48	11.0	M8	6.6	26	18	40
R102UM-05-30	30	30	60	67	33.5	53	11.0	M8	6.6	29	18	50
R102UM-05-40	40	39	76	87	43.5	69	15.0	M10	8.4	38	22	60
R102UM-05-50	50	47	92	103	51.5	82	18.0	M12	10.5	46	26	70

技术数据

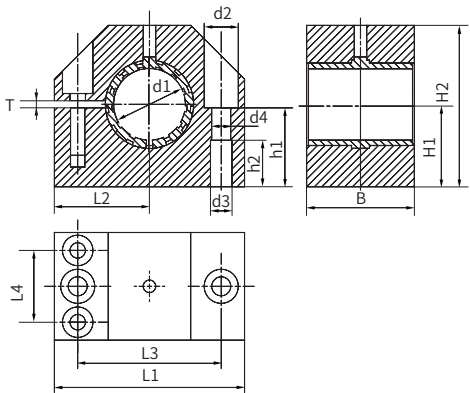
产品代码	d1-公差	Fmax 动态 p = 5 Mpa	Fmax静态 p = 35 MPa	重量
		[N]	[N]	[g]
R102ZM-05-08 ¹⁾	+0.032+0.070	960	6,720	46
R102UM-05-10	+0.030+0.088	650	4,550	71
R102UM-05-12	+0.030+0.088	840	5,880	78
R102UM-05-16	+0.030+0.088	1,200	8,400	106
R102UM-05-20	+0.030+0.091	1,500	10,500	132
R102UM-05-25	+0.030+0.091	2,500	17,500	253
R102UM-05-30	+0.040+0.110	3,750	26,250	374
R102UM-05-40	+0.040+0.115	6,000	42,000	713
R102UM-05-50	+0.050+0.130	8,750	61,250	1,168

¹⁾ d<10mm时, 内装102SM滑动轴套。

直线滑动-基座轴承

简灵科技工程塑料轴承
High Wear Resistance. Cost Down.

可调式-阳极氧化铝外壳-短款



订购编号示例

1 产品代码 R102UME-05-12

2 内径d1 12

- 滑动膜型号: 102UM-02
- 可调间隙轴尺寸12至50mm可调间隙轴尺寸12至50mm

尺寸[mm]

1 产品代码	2 d1	H1	H2	L1	L2	L3	L4	d2	d3	d4	T	h1	h2	B
		+0.010 -0.014				±0.15	±0.15							
R102UME-05-12	12	17	33	40	20.0	29	18.0	8.0	4.3	M5	2	16	11	28
R102UME-05-16	16	19	38	45	22.5	34	19.0	8.0	4.3	M5	2	18	11	30
R102UME-05-20	20	23	45	53	26.5	40	20.0	9.5	5.3	M6	2	22	13	30
R102UME-05-25	25	27	54	62	31.0	48	25.5	11.0	6.6	M8	2	26	18	40
R102UME-05-30	30	30	60	67	33.5	53	30.5	11.0	6.6	M8	2	29	18	50
R102UME-05-40	40	39	76	87	43.5	69	36.0	15.0	8.4	M10	2	38	22	60
R102UME-05-50	50	47	92	103	51.5	82	44.0	18.0	10.5	M12	2	46	26	70

技术数据

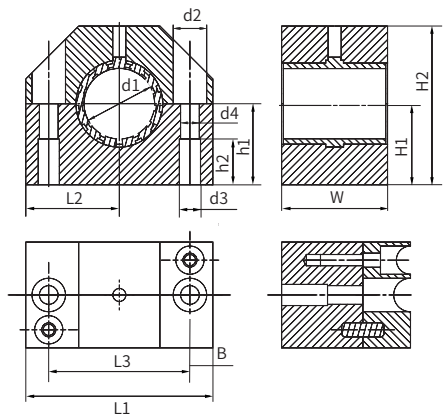
产品代码	d1-公差	Fmax 动态 p = 5 Mpa	Fmax 静态 p = 35 MPa	重量
		[N]	[N]	[g]
R102UME-05-12	可调节	840	5,880	78
R102UME-05-16	可调节	1,200	8,400	106
R102UME-05-20	可调节	1,500	10,500	132
R102UME-05-25	可调节	2,500	17,500	253
R102UME-05-30	可调节	3,750	26,250	374
R102UME-05-40	可调节	6,000	42,000	713
R102UME-05-50	可调节	8,750	61,250	1,168

直线导向系统

直线滑动-基座轴承

简灵科技工程塑料轴承
High Wear Resistance. Cost Down.

剖分式-阳极氧化铝外壳-短款



订购编号示例 1 产品代码 T102UM -05-16 2 内径d1 16

分体式设计，无需拆卸轴既可交换滑动膜

尺寸[mm]

1 产品代码	2 d1	H1	H2	L1	L2	L3	d2	d3	d4	h1	h2	W
		+0.010 - 0.014				±0.15						
T102UM-05-16	16	19	38	45	22.5	34	8.0	M5	4.3	18	11	30
T102UM-05-20	20	23	45	53	26.5	40	9.5	M6	5.3	22	13	30
T102UM-05-25	25	27	54	62	31.0	48	11.0	M8	6.6	26	18	40
T102UM-05-30	30	30	60	67	33.5	53	11.0	M8	6.6	29	18	50
T102UM-05-40	40	39	76	87	43.5	69	15.0	M10	8.4	38	22	60

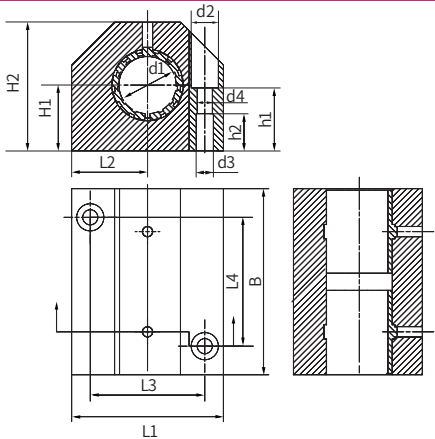
技术数据

产品代码	d1-公差	Fmax 动态 p = 5 Mpa	Fmax静态 p = 35 MPa	重量
		[N]	[N]	[g]
T102UM-05-16	+0.030 +0.120	1,200	8,400	105
T102UM-05-20	+0.030 +0.120	1,500	10,500	137
T102UM-05-25	+0.030 +0.120	2,500	17,500	253
T102UM-05-30	+0.040 +0.135	3,750	26,250	377
T102UM-05-40	+0.040 +0.135	6,000	42,000	720

直线滑动-基座轴承

简灵科技工程塑料轴承
High Wear Resistance. Cost Down.

封闭式-阳极氧化铝外壳-串联



订购编号示例 1 产品代码 R102UMT - 05- 12 2 内径d1 12

串联式设计配备2个102UM-02滑动膜来增加导向长度

尺寸[mm]

1 产品代码	2 d1	H1	H2	L1	L2	L3	L4	d2	d3	d4	h1	h2	B
		+0.010 -0.014				±0.15	±0.15						
R102UMT-05-12	12	17	33	40	20.0	29	35	8.0	M5	4.3	16	11	60
R102UMT-05-16	16	19	38	45	22.5	34	40	8.0	M5	4.3	18	11	65
R102UMT-05-20	20	23	45	53	26.5	40	45	9.5	M6	5.3	22	13	65
R102UMT-05-25	25	27	54	62	31.0	48	55	11.0	M8	6.6	26	18	85
R102UMT-05-30	30	30	60	67	33.5	53	70	11.0	M8	6.6	29	18	105
R102UMT-05-40	40	39	76	87	43.5	69	85	15.0	M10	8.4	38	22	125
R102UMT-05-50	50	47	92	103	51.5	82	100	18.0	M12	10.5	46	26	145

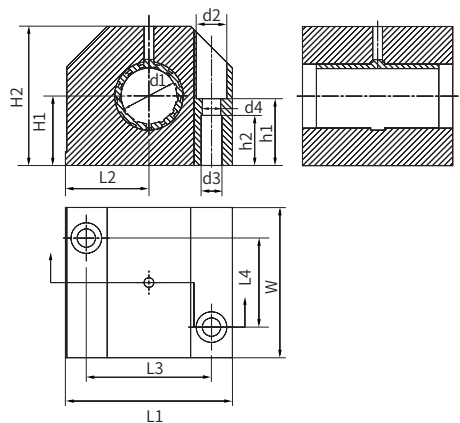
技术数据

产品代码	d1-公差	Fmax 动态 p = 5 Mpa	Fmax 静态 p = 35 MPa	重量
		[N]	[N]	[g]
R102UMT-05-12	+0.030 +0.088	840	5,880	170
R102UMT-05-16	+0.030 +0.088	1,200	8,400	250
R102UMT-05-20	+0.030 +0.091	1,500	10,500	300
R102UMT-05-25	+0.030 +0.091	2,500	17,500	550
R102UMT-05-30	+0.040 +0.110	3,750	26,250	750
R102UMT-05-40	+0.040 +0.115	6,000	42,000	1,500
R102UMT-05-50	+0.050 +0.150	8,750	61,250	2,400

直线滑动轴承

简灵科技工程塑料轴承
High Wear Resistance. Cost Down.

封闭式-阳极氧化铝外壳-长款



订购编号示例 1 产品代码 R102UM - 06- 12 2 内径d1 12

• 滑动膜型号: 102UM-01

尺寸[mm]

1 产品代码	2 d1	H1	H2	L1	L2	L3	L4	d2	d3	d4	h1	h2	W
		+0.010 -0.014				±0.15	±0.15						
R102UM-06-12	12	18	35	43	21.5	32	23	8.0	M5	4.3	16.5	11	39
R102UM-06-16	16	22	42	53	26.5	40	26	10.0	M6	5.3	21.0	13	43
R102UM-06-20	20	25	50	60	30.0	45	32	11.0	M8	6.6	24.0	18	54
R102UM-06-25	25	30	60	78	39.0	60	40	15.0	M10	8.4	29.0	22	67
R102UM-06-30	30	35	70	87	43.5	68	45	15.0	M10	8.4	34.0	22	79
R102UM-06-40	40	45	90	108	54.0	86	58	18.0	M12	10.5	44.0	26	91
R102UM-06-50	50	50	105	132	66.0	108	50	20.0	M16	13.5	49.0	34	113

技术数据

产品代码	d1-公差	Fmax 动态 p = 5 Mpa	Fmax静态 p = 35 MPa	重量
		[N]	[N]	[g]
R102UM-06-12	+0.030 +0.088	960	6,720	121
R102UM-06-16	+0.030 +0.088	1,440	10,080	211
R102UM-06-20	+0.030 +0.091	2,250	15,750	323
R102UM-06-25	+0.030 +0.091	3,625	25,375	651
R102UM-06-30	+0.040 +0.110	5,100	35,700	1,050
R102UM-06-40	+0.040 +0.115	8,000	56,000	1,820
R102UM-06-50	+0.050 +0.150	12,500	87,500	3,250