

Aluminum Plastic Plain Bearings

- ▶ Closed/Open
- ▶ Round Flange/Square Flange

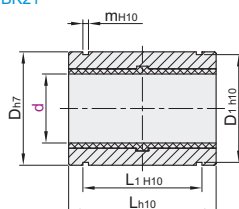
❑ Closed/Open

Code	Type	Material		Surface Treatment	Application Temperature
		Housing	Slide Membrane	Housing	
OBK21	Closed	Aluminum Alloy	Engineering Plastic	Anodize	-50°C~90°C
OBK31	Open	Aluminum Alloy	Engineering Plastic	Anodize	

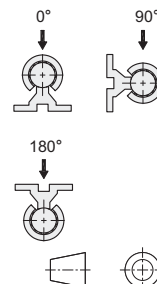
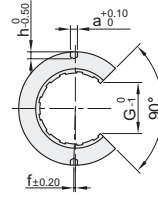
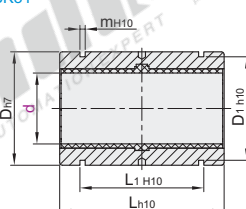
❑ Features

- Self-lubricating, maintenance-free, low noise, suitable for dirt or dust environment;
- Low requirements of the hardness of the shaft material and the accuracy of the mounting hole.

Closed
OBK21



Open
OBK31



The First Perspective

❑ Tolerance of fixed seat diameter matching this product: H7; Tolerance of shaft diameter: h6-h9 (for reference).

Part Number	d	d (Tol.)	D	L	L ₁	m	D ₁	OBK31				Fmax[N](OBK21)		Fmax[N](OBK31)						Weight(g)			
Code	d							G	a	h	f	Dynamic Load P=5 MPa	Static Load P=35 MPa	Dynamic Load P=5 MPa	Static Load P=35 MPa	0°	90°	180°	0°	90°	180°	OBK21	OBK31
Closed OBK21	(6)	+0.088 +0.020 +0.083 +0.025	12	22	14.2	1.10	11.5	—	—	—	—	525	3675	—	—	—	—	—	—	—	—	5	—
	(8)		16	25	16.2		15.2	—	—	—	—	960	6720	—	—	—	—	—	—	—	—	9	—
	10		19	29	21.6		17.5	7.3				725	5072	725	500	196	5075	3500	1370	12	9		
	12	+0.088 +0.030	22	32	22.6	1.30	20.5	9.0	3		1.33(7°)	960	6720	960	635	240	6720	4445	1680	20	15		
	16		26	36	24.6		24.2	11.6		2.2	1.2	—	1440	10080	1440	990	396	10080	6943	2772	28	21	
Open OBK31	20	+0.091 +0.030	32	45	31.2	1.60	29.6	12.0				2250	15750	2250	1800	900	15750	12600	6300	50	37		
	25		40	58	43.7		36.5	14.5		1.5	-1.50(-4.3°)	3625	25375	3625	2953	1523	25375	20670	10658	104	78		
	30	+0.110 +0.040	47	68	51.7	1.85	43.5	16.6	3		2.00(4.9°)	5100	35700	5100	4250	2278	35700	29735	15948	163	122		
	40	+0.115 +0.040	62	80	60.3	2.15	57.8	21.0		2.0	1.50(2.8°)	8000	56000	8000	6810	3800	56000	47660	26600	341	256		
	50	+0.130 +0.050	75	100	77.3	2.65	70.5	25.5	5		2.5(3.8°)	9000	87500	12500	10750	6125	87500	75265	42875	589	442		

❑ With () d Spec not suitable for OBK31.

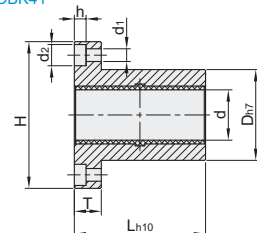
❑ Round Flange/Square Flange

Code	Type	Material		Surface Treatment	Application Temperature
		Housing	Slide Membrane	Housing	
OBK41	Round Flange	Aluminum Alloy	Engineering Plastic	Anodize	-50°C~90°C
OBK46	Square Flange	Aluminum Alloy	Engineering Plastic	Anodize	

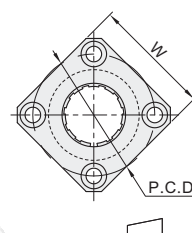
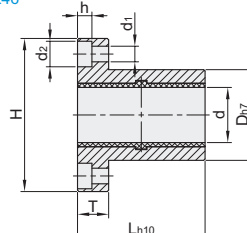
❑ Features

- Self-lubricating, maintenance-free, low noise, suitable for dirt or dust environment;
- Low requirements of the hardness of the shaft material and the accuracy of the mounting hole.

Round Flange
OBK41



Square Flange
OBK46



The First Perspective

❑ Tolerance of fixed seat diameter matching this product: H7; Tolerance of shaft diameter: h6-h9 (for reference).

Part Number	Code	d (Tol.)	D	P.C.D	H	L	T	h	d ₁	d ₂	W	Fmax[N]		Weight (g)
												Dynamic Load P=5 MPa	Static Load P=35 MPa	
Round Flange OBK41	6	+0.088 +0.020 +0.083 +0.025	12	21	29	22	8	3.1	3.5	6.0	23	525	3675	15
	8	16	24	32	25	—	—	—	—	—	25	960	6720	20
	10	19	29	39	29	—	—	—	—	—	30	725	5075	34
	12	+0.088 +0.030	22	32	42	32	9	4.1	4.5	7.5	32	960	6720	43
	16	26	36	46	36	—	—	—	—	—	35	1440	10080	54
Square Flange OBK46	20	32	43	54	45	—	—	—	—	—	42	2250	15750	91
	25	+0.091 +0.030	40	51	62	58	11	5.1	5.5	9.0	50	3625	25375	154
	30	+0.110 +0.040	47	62	76	68	14	6.1	6.6	11.0	60	5100	35700	266
	40	+0.115 +0.040	62	80	98	80	18	8.1	9.0	14.0	75	8000	56000	555
	50	+0.130 +0.050	75	94	112	100	—	—	—	—	88	12500	87500	852



Part Number	Code	d
OBK41	(6)	8
OBK46	(6)	8
OBK41—d6		



Discount price
Per 1~9 10~
Price 100% Additional quotation



Delivery
12