



OIL-FREE UNIVERSAL GUIDE BUSHINGS

— STRAIGHT BRONZE TYPE —



OIL-FREE UNIVERSAL GUIDE BUSHINGS

— FLANGE TYPE —

GGBP

• Slide direction

☞

☒ Copper alloy
Special solid lubricant (embedded)

- Matching shaft tolerance
- Recommended machining tolerance for holes H7

GGBF

• Slide direction

☞

☒ Copper alloy
Special solid lubricant (embedded)

- Matching shaft tolerance
- For general purpose (heavy load) d8
- For general purpose (light load) e7
- For high precision f7
- Recommended machining tolerance for holes H7

d	D	Catalog No.		L
		Type	d	
20	30	GGBP	20	20 25 30
25	35		25	20 30 40
30	40		30	25 30 40
30	42	GGBP	30A	25 30 40
32	42		32	30 40
32	45		32A	30 40
35	45	GGBP	35	30 40 50
35	48		35A	30 40 50
40	50		40	30 40 50
40	55	GGBP	40A	30 40 50
45	55		45	40 50
45	60		45A	40 50
50	60	GGBP	50	40 50 60
50	65		50A	40 50 60
55	70		55	50 60
60	75	GGBP	60	50 60 80
60	80		60A	50 60 80
65	80		65	60 80
65	85	GGBP	65A	60 80
70	85		70	60 80
70	90		70A	60 80
75	90	GGBP	75	60 80
75	95		75A	60 80
80	95		80	80 100
80	100	GGBP	80A	80 100
85	100		85	80 100
85	105		85A	80 100
90	110	GGBP	90	80 100
90	115		90A	80 100
100	120		100	80 100 120
160	125	GGBP	100A	80 100 120

d7	D6	H	t	Catalog No.		L
				Type	d	
8	12	GGBF	20	8	10 15	
10	14		22	10	10 12 15 17 20	
12	18	GGBF	25	12	15 20 25 30	
13	19		26	13	15 20	
14	20		27	14	15 20 25	
15	21	GGBF	28	15	15 20 25 30	
16	22		29	16	15 18 20 23 25 30 35 40	
18	24		32	18	20 30	
20	30	GGBF	40	20	15 20 25 30 35 40	
25	35		45	25	15 20 25 30 35 40 50	
30	40		50	30	20 25 30 35 40 50	
35	45	GGBF	60	35	20 25 30 35 40 50	
40	50		65	40	20 25 30 35 40 50	
45	55		70	45	30 35 40 50 60	
50	60	GGBF	75	50	30 35 40 50 60	
55	65		80	55	40 60	
60	75		90	60	40 50 80	
70	85	GGBF	105	70	50 80	
80	100		120	80	60 80 100	
90	110		130	90	60 80	
100	120	GGBF	150	100	80 100	
120	140		170	120	80 100	

Order -
 GGBP60 - 50
 GGBP60A - 50

Days to Ship **Quotation**

Price **Quotation**

Order -
 GGBF60 - 50

Days to Ship **Quotation**

Price **Quotation**