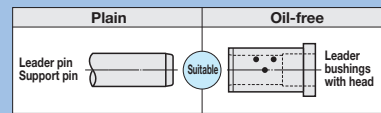


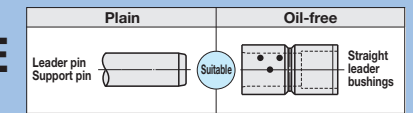
# OIL-FREE LEADER BUSHINGS FOR HIGH TEMPERATURE USE

—SPECIAL COPPER ALLOY WITH HEAD—



# OIL-FREE LEADER BUSHINGS FOR HIGH TEMPERATURE USE

—SPECIAL COPPER ALLOY STRAIGHT TYPE—



ⓘ Non JIS material definition is listed on P.1351 - 1352

• Usable temperature range for the special solid lubricant: up to 250°C

**RoHS** **GBHKZ**

Special high strength brass (CAC304 type)  
Special solid lubricant (embedded)

dF6	T	Dm6	H	ℓ						
				L20	L25	L30	L35	L40	L50	L60
10	5	14	16	20	20	—	—	—	—	—
12		18	22	20	25	—	—	—	—	—
13		20	25	20	25	25	—	—	—	—
16	6	25	30	20	25	30	35	30	30	—
20	8	30	35	—	25	30	35	40	40	40
25		35	40	—	25	30	35	40	50	50
30		42	47	—	25	30	35	40	50	60

Part Number		U/Price 1~9						
Type	d	L20	L25	L30	L35	L40	L50	L60
GBHKZ	10			—	—	—	—	—
	12			—	—	—	—	—
	13					—	—	—
	16			<b>Quotation</b>				—
	20	—						
	25	—						
	30	—						

Order **Part Number** — **L**  
**GBHKZ16** — **30**

Days to Ship **Quotation**

Price **Quotation**

### Characteristics of Special Copper Alloy

- Higher usable temperature limit: Comparing the conventional leader bushings in page 1047 and 1048, Oil-Free Leader Bushings for High Temperature Use is available to use at higher temperature condition as 250°C such as molding engineering plastics in higher temperature due to special copper alloy material and lubricant coating agent is applied instead of grease. (Endurance will be improved by applying oil before using)
- Wider the clearance: Comparing G6 of inner diameter tolerance of the conventional leader bushings in page 1047 and 1048, Oil-Free Leader Bushings for High Temperature Use widen the rage to F6 which enable to work for thermal expansion by higher molding temperature.

• Usable temperature range for the special solid lubricant: up to 250°C

**RoHS** **GBSKZ**

Special high strength brass (CAC304 type)  
Special solid lubricant (embedded)

dF6	t	Dm6	ℓ						
			L20	L25	L30	L35	L40	L50	
13	+0.027 +0.016	20	+0.021	20	25	25	—	—	—
16		25	+0.008	20	25	30	35	—	—
20	+0.033 +0.020	30	+0.025 +0.009	20	25	30	35	40	—
25		35	+0.025 +0.009	20	25	30	35	40	50
30		42	+0.025 +0.009	20	25	30	35	40	50

Part Number		U/Price 1~9					
Type	d	L20	L25	L30	L35	L40	L50
GBSKZ	13				—	—	—
	16					—	—
	20				<b>Quotation</b>		
	25						
	30						

Order **Part Number** — **L**  
**GBSKZ20** — **25**

Days to Ship **Quotation**

Price **Quotation**

**EX** Example

### Stopper for The Straight Leader Bushing

Screw plugs are commonly used as a stopper to hold straight leader bushings. The bushing is provided with a groove on its outer circumference where the screw plug is locked in. Since the screw plug does not directly hold the bushing's thin wall, deflection of its internal diameter can be minimized.

Leader bushing's internal diameter (d)	Applicable screw plugs
13~20	MSW 6
25~30	MSW 8

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