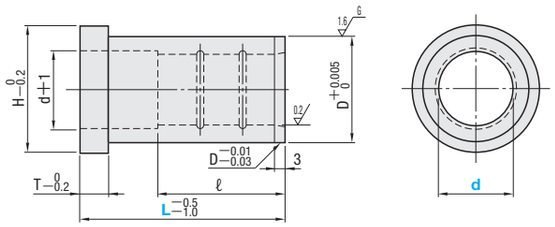
PRECISION LEADER BUSHINGS

—HEAD TYPE WITH OIL GROOVE—

Plain		Oil groove
	Suitable	
Leader pins · Support pins		Leader bushings with head

RoHS

GBH



Set mold temperature to 80°C generally since the clearance is small when the precision leader bushing is used in combination with the precision leader pin or precision support pin. (P.878)

M SUJ2
H 58HRC～

d		T	D	H	ℓ													
					L15	L20	L25	L30	L35	L40	L45	L50	L60	L70	L80	L90	L100	L110	L120
8	0 −0.005	5	12	14	15	15	15	—	—	—	—	—	—	—	—	—	—	—	—
10			14	16	15	20	20	20	20	20									
12	−0.005 −0.010		18	22	15	20	25	25	25	25	25	25							
13			20	25	15	20	25	25	25	25	25	25							
16		6	25	30		20	25	30	35	30	30	30	30						
20	−0.010 −0.015	8	30	35		20	25	30	35	40	40	40	40	40					
25			35	40			25	30	35	40	45	50	50	50	50				
28			40	45	—		—	—	—	—	—	50	56	—	56				
30			42	47		—	25	30	35	40	50	50	60	60	60	60	60		
35	−0.015 −0.020		48	54			—	—	35	40	—	50	60	70	70	70	70	70	70
40		10	55	60					—	—		50	60	70	80	80	80	80	80

Part Number		U/Price 1～9														
Type	d	L15	L20	L25	L30	L35	L40	L45	L50	L60	L70	L80	L90	L100	L110	L120
GBH	8				—	—	—	—	—	—	—	—	—	—	—	—
	10															
	12															
	13															
	16															
	20							Quotation								
	25															
	28	—		—	—	—	—	—			—					
	30		—													
	35			—	—			—								
	40					—	—									

Order — Part Number: GBH25 — L: 60

Days to Ship: Quotation

Price: Quotation

PRECISION LEADER BUSHINGS

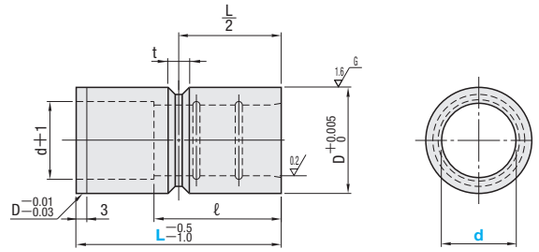
—STRAIGHT TYPE WITH OIL GROOVE—

Plain		Oil groove
	Suitable	
Leader pins · Support pins		Straight leader bushings

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

RoHS

GBS



Set mold temperature to 80°C generally since the clearance is small when the precision leader bushing is used in combination with the precision leader pin or precision support pin. (P.878)

M SUJ2
H 58HRC～

d		D	t	ℓ												
				L10	L15	L20	L25	L30	L35	L40	L45	L50	L60	L70	L80	L90	L100
8	0 −0.005	12	6 (L=10 ··· t=4)	10	15	15	15	—	—	—	—	—	—	—	—	—	—
10		14		10	15	20	20	20	20	20							
12	−0.005 −0.010	18		10	15	20	25	25	25	25							
13		20		10	15	20	25	25	25	25							
16		25		10	15	20	25	30	35	30	—	30					
20	−0.010 −0.015	30			15	20	25	30	35	40		40	40	40			
25		35	8			20	25	30	35	40		50	50	50			
28		40		—			—	—	—	40		—	—	—			
30		42			—	—	25	30	35	40		50	60	60	60		
35	−0.015 −0.020	48					25	30	35	40		50	60	70	70	70	70
40		55					—	—	—	—	45	50	60	70	80	80	80

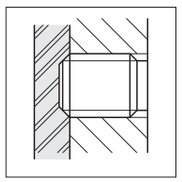
Part Number		U/Price 1～9														
Type	d	L10	L15	L20	L25	L30	L35	L40	L45	L50	L60	L70	L80	L90	L100	
GBS	8															
	10									—	—	—				
	12												—	—	—	
	13								—							
	16															
	20							Quotation								
	25															
	28	—			—	—	—			—	—	—				
	30		—													
	35			—												
	40				—	—	—	—								

Order — Part Number: GBS20 — L: 35

Days to Ship: Quotation

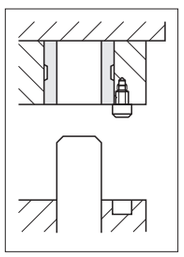
Price: Quotation

■Stopper for The Straight Leader Bushing



Screw plugs are commonly used as a stopper to hold straight leader bushings in place. 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. When L=10, screw plug is the value in ( ).

Leader bushing 's internal diameter (d)	Applicable screw plugs
8 · 10 · 12 · 13 · 16	MSW 6 (4)
20	MSW 6
25 · 28 · 30 · 35 · 40	MSW 8



If the use of a screw plug is not desired because of possible alignment problems, a hexagonal socket head screw can be used to hold down the bushings as shown in the figure. Make a counterbore on the pin side to accept the screw head.