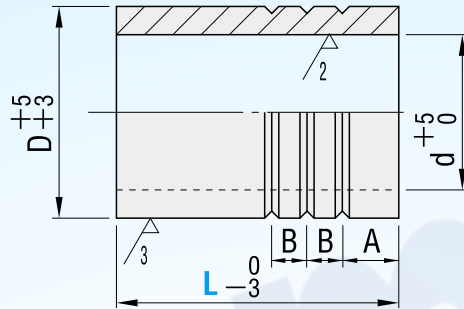


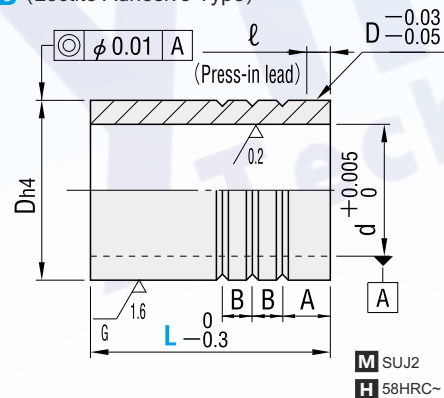
Ball Guide Bushings for Die Sets - Devcon Adhesive Type-

DMBB (Devcon Adhesive Type)



Part Number		L	
Type	PD		
DMBB (Devcon Adhesive Type)	20	50	
	22	50	60
	25	60	80
	28	60	80
DLBB (Loctite Adhesive Type)	32	80	100
	38	80	100
	45	100	120
	50	100	120
	60	100	120

DLBB (Loctite Adhesive Type)



PD Post Diameter		DMBB • DLBB					
		d	Dh4	ℓ	A	B	
20	+0.020 +0.015	26	37	0 -0.007	4	10	
22		28	40				
25		31	45				
28	+0.025 +0.020	36	50	5	12	7	
32		40	55				
38	+0.030 +0.025	48	64	0 -0.008	6	15	
45		55	74				
50	+0.035 +0.030	60	83				0 -0.010
60		70	95				

Do not use a cooling-fit for the bushings. In the same way as with sub-zero treatment, cooling causes residual austenite to transform into martensite and expand. This expands both the bushing inner and outer diameters, rendering the bushing unusable.

Alteration	Product Code	Spec.
	LC	Full Length Change $L/2 \leq LC < L$ 1mm increments

- Basic Specifications**
- Set/single item/accessory : Bushing Only
 - Bushing Type : Ball Guide
 - Bushing Mounting Methods : Loctite Adhesive

ORDERING GUIDE



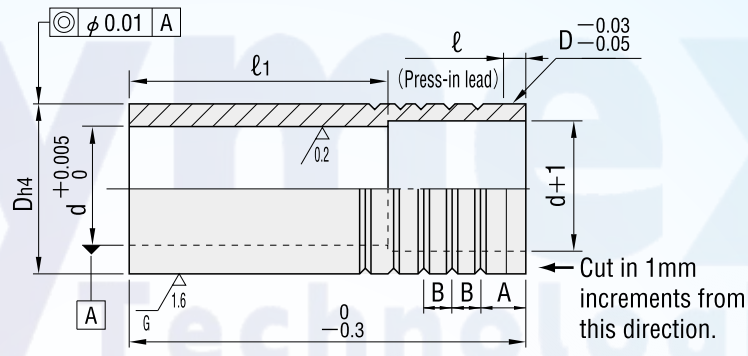
Part Number		L	
DMBB 50	—	120	
DLBB 22	—	L (LC)	LC45

Ball Guide Bushings for Die Sets - Devcon Adhesive Type-

Long type ball guide bushings for die sets



DLBB (Loctite adhesive type)



M SUJ2
H 58HRC~

Do not use a cooling-fit for the bushings. In the same way as with sub-zero treatment, cooling causes residual austenite to transform into martensite and expand. This expands both the bushing inner and outer diameters, rendering the bushing unusable

Part Number	d	Dh4	ℓ	A	B	Effective Sliding Length ℓ ₁	LC 1mm Increments			
DLBB	26	37	0 −0.007	4	12	7×7 pieces	60	51 ~ 120		
	28	40						61 ~ 120		
	31	45						81 ~ 120		
	36	50	0 −0.008	5	15	10×5 pieces	80	81 ~ 150		
	40	55						101 ~ 150		
	48	64						101 ~ 180		
	55	74	6			10×6 pieces	100	121 ~ 180		
	60	83						121 ~ 200		
	60	83				0 −0.010	6	10×8 piece	120	121 ~ 200
	70	83								121 ~ 200

Basic Specifications

- Set/single item/accessory : Bushing Only
- Bushing Type : Ball Guide
- Bushing Mounting Methods : Loctite Adhesive

❶ If there is only one groove remaining as the result of cutting, a second groove is added.

❷ LC51~59, in the case of PD20, effective slide length (l_1) becomes short.

ORDERING GUIDE



DLBB 22

LC

LC100