

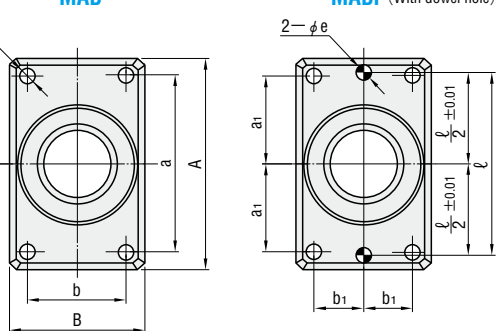
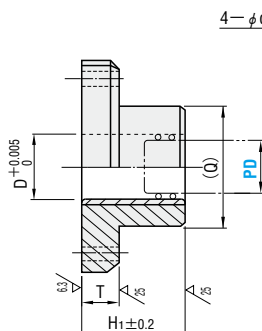
BALL GUIDE BUSHINGS / BALL RETAINERS

STOPPERS / WASHERS FOR PREVENTING DOWEL PIN FALL-OUT / SPRINGS FOR BALL GUIDE POST SETS

Ball guide bushings

RoHS





(Q) values are reference only.
Refer to the P.957 lower part for Alterations.

Built-in bushing
FC250 SUJ2 58HRC~

Catalog No.																Base unit price 1~9 pieces		
Type	PD	D		A	B	a	b	d	H ₁	T	(Q)	eH7	ℓ	a ₁	b ₁	MAB	MABP	
MAB MABP	20	26	+0.005 0	74	44	56	30	6.6	50	15	42	6	+0.012 0	56	28	15		
	25	31		84	48	66	30	9	50	20	46	8		66	33	15		
	32	40		100	58	76	36	11	60	20	56	8	+0.015 0	76	38	18	Quotation	
	38	48		130	75	100	44	11	70	25	73	10		100	50	22		
	50	60		155	90	125	60	14	90	25	87	10		125	62.5	30		
	60	70		190	120	150	80	18	100	30	116	13	+0.018 0	150	75	40		

Order

Catalog No.
MAB 32

Days to Ship

Quotation

Price

Quotation

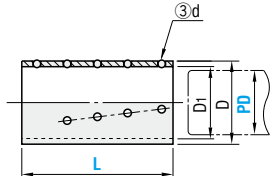
①

②

RoHS



MBSH (High-rigidity aluminum ball retainers)
MBJH (High-rigidity resin ball retainers)



Compared with conventional ball retainer (MBS, MBJ), these products contain 1.6 times more balls.

① A5056 (Aluminum)
② POM (Polyacetal resin)
③ SUJ2 Sphericity 0.25 μm
④ 62~67HRC

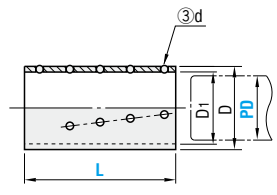
①

②

RoHS



MBS (Aluminum ball retainers)
MBJ (Resin ball retainers)



① A5056 (Aluminum)
② POM (Polyacetal resin)
③ SUJ2 Sphericity 0.25 μm
④ 62~67HRC

PD Post diameter	Outer diameter φ D	Inner diameter φ D ₁	Ball diameter φ d	Number of balls		Ratio	Catalog No.		L	Base unit price 1~9 pieces				
				MBSH MBJH	MBS MBJ		Type	PD		MBSH	MBJH	MBS	MBJ	
20	25.5	20.5	3	165	96	1.72	MBSH (Aluminum) MBJH (Resin)	MBS (Aluminum) MBJ (Resin)	20	50	Quotation			
25	30.5	20.5		224	125	1.79			25	50				
32	39.5	32.5		4	238	144			1.65	32				
38	47.5	38.5	210		128	1.64			38	70				
50	59.5	50.5	5		360	220			1.64	50				
60	69.5	60.5		460	264	1.74			60	100				

Order

Catalog No.
MBSH 32 — L 60

Price

Quotation

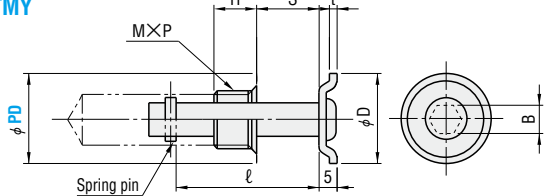
Days to Ship

Quotation

Stoppers

RoHS





MBS/MBJ
Ball cage length

S	ℓ
50	0~20
60	0~25
70	0~29
90	0~42

STMY

S	ℓ
50	0~20
60	0~25
70	0~29
90	0~42

Catalog No.
Type

PD—L

D

M×P

H

B

t

Base unit price
1~9 pieces

STMY

20~50

24

14×1.5

12

7

1.6

Quotation

Order

Catalog No.
STMY 32~60

Price

Quotation

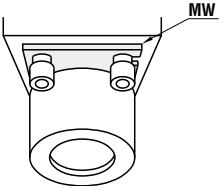
Days to Ship

Quotation

Washers for preventing
dowel pin fall-out

RoHS





Installation method:
After setting the guide bushing in place,
loosen the bolt and install the washer.

One set contains two washers.

SPCC
Thickness=1.6mm
Black oxide (Fe₂O₃)

Post diameter
PD

Catalog No.

Base unit price for
1 set (2 pcs.)
1~19 sets

20~25

25

Quotation

32

32

Quotation

38

38

Quotation

50

50

Quotation

60

60

Quotation

80

80

Quotation

Order

Catalog No.
MW 38

Price

Quotation

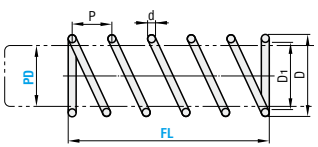
Days to Ship

Quotation

Springs for ball guide post sets

RoHS





PD
Post diameter

D	D ₁	d	P
20	22.5	20.5	+1.0
25	27.9	25.5	0
32	35.7	32.5	+1.5
38	42.5	38.5	0
50	55.7	50.5	+2.0
60	66.9	60.5	0

SWMY

D	D ₁	d	P
20	22.5	20.5	+1.0
25	27.9	25.5	0
32	35.7	32.5	+1.5
38	42.5	38.5	0
50	55.7	50.5	+2.0
60	66.9	60.5	0

•Solid height = $\frac{FL \times d}{P} + 2d$

Guide post sets		Catalog No.		PD	FL	Base unit price 1~9 pieces
D	L	Type	PD			
20	90	SWMY	20	40	Quotation	
	100			50		
	110			60		
	120			70		
	130			80		
	140			90		
	150			100		
	160			110		
	170			120		
	180			130		
	190			140		
	200			150		
25	90	SWMY	25	40	Quotation	
	100			50		
	110			60		
	120			70		
	130			80		
	140			90		
	150			100		
	160			110		
	170			120		
	180			130		
	190			140		
	200			150		
32	110	SWMY	32	50	Quotation	
	120			60		
	130			70		
	140			80		
	150			90		
	160			100		
	170			110		
	180			120		
	190			130		
	200			140		
	210			150		
	220			160		
38	130	SWMY	38	60	Quotation	
	140			70		
	150			80		
	160			90		
	170			100		
	180			110		
	190			120		
	200			130		
	210			140		
	220			150		
	230			160		
	240			170		
50	170	SWMY	50	70	Quotation	
	180			80		
	190			90		
	200			100		
	210			110		
	220			120		
	230			130		
	240			140		
	250			150		
	260			160		
	270			170		
	280			180		
60	190	SWMY	60	80	Quotation	
	200			90		
	210			100		
	220			110		
	230			120		
	240			130		
	250			140		
	260			150		
	270			160		
	280			170		
	290			180		
	300			190		

Order

Catalog No.
SWMY 32 — FL 190

Days to Ship

Quotation

Price

Quotation