

BALL GUIDE BUSHINGS / BALL RETAINERS

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

Ball guide bushings

MAB **MABP (With dowel hole)**

Ⓜ FC250 Ⓜ SUJ2 Ⓜ 58HRC~

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

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

Order **Catalog No. MAB 32** Days to Ship **Quotation** Price **Quotation**

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

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.		Base unit price 1~9 pieces				
						Type	PD	L	MBSH	MBJH	MBS	MBJ
20	25.5	20.5	3	165	1.72	MBSH (Aluminum)	20	50				
25	30.5	25.5	3	224	1.79	MBSH (Aluminum)	25	50				
32	39.5	32.5	4	238	1.65	MBSH (Aluminum)	32	60				
38	47.5	38.5	4	210	1.64	MBSH (Aluminum)	38	70				
50	59.5	50.5	5	360	1.64	MBJH (Resin)	50	90				
60	69.5	60.5	5	460	1.74	MBJH (Resin)	60	100				

Order **Catalog No. MBSH 32** - **L 60** Price **Quotation**

Days to Ship **Quotation**

Stoppers **RoHS** **STMY**

MBS/MBJ Ball cage length	STMY	
	S	ℓ
50	0~20	32
60	0~25	40
70	0~29	44
90	0~42	57

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
	25-50	29	16×1.5	8	8	1.6	
	32-60	37					
	38-70	44	20×1.5	15	10	2.0	
	50-90	56					

Order **Catalog No. STMY 32-60** Price **Quotation**

Days to Ship **Quotation**

Washers for preventing dowel pin fall-out **RoHS** **MW**

• 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	
38	38	
50	50	
60	60	
80	80	

Order **Catalog No. MW 38** Price **Quotation**

Days to Ship **Quotation**

Springs for ball guide post sets **RoHS** **SWMY**

PD Post diameter	D	D ₁	d	P	
20	22.5	20.5	+1.0	1.0	14
25	27.9	25.5	0	1.2	14
32	35.7	32.5	+1.5	1.6	16
38	42.5	38.5	0	2.0	18
50	55.7	50.5	+2.0	2.6	20
60	66.9	60.5	0	3.2	20

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

Guide post sets D	L	Catalog No. Type	PD	FL	Base unit price 1~9 pieces
20	90	SWMY	20	40	Quotation
	100			50	
	110			70	
	120			80	
	130			100	
	140			110	
	150			120	
	160			140	
	170			140	
	180			140	
	190			150	
	200			180	

Guide post sets D	L	Catalog No. Type	PD	FL	Base unit price 1~9 pieces
32	110	SWMY	32	50	Quotation
	120			60	
	130			70	
	140			90	
	150			110	
	160			120	
	170			130	
	180			140	
	190			170	
	200			170	
	220			190	

Guide post sets D	L	Catalog No. Type	PD	FL	Base unit price 1~9 pieces
50	170	SWMY	50	70	Quotation
	180			90	
	200			110	
	220			140	
	240			170	
	260			190	
	300			230	
	350			280	
	200			90	
	220			130	
	240			150	

Order **Catalog No. SWMY 32** - **FL 190**

Days to Ship **Quotation** Price **Quotation**