STOPPERS / SPRINGS FOR BALL BEARING GUIDE

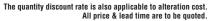


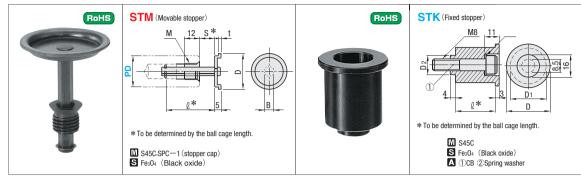
Printed in Red

ANTI-RISE RINGS FOR BALL CAGE



The quantity discount rate is also applicable to alteration cost. All price & lead time are to be quoted.





PD	D	M×P	В		D ₁	D ₂	2A	CatalogNo		L	U/Price
Post.dia.	"	IVI A P	ь	١.	D1	D 2	Spring washer	Type	PD	Ball cage length	Q'ty:1~9
20	24	10×1.5	5		19				20	50	
22	26	10 1.5	Э		21				22	50 60	
25	29			1.6	24	14		STM	25	60 75	ō
28	33	12×1.5	6		27		Conform to	(Movable stopper)	28	60 75	Ŧ
32	37				31		JIS B1251 —1984		32	75 90	155
38	44				37		Nominal 8	STK	38	75 90	일
45	51	16×1.5	8	2.0	44	20		(Fixed stopper)	45	90 110	لخ ا
50	56	10/1.5	0	2.0	49	20			50	90 110	
60	66				59				60	90 110	

L	STM		STK	
Ball retainer length	S	l	l	1)CB
50	0~19	31	15	8-30
60	0~23	35	20	8-35
75	0~30	42	25	8-40
90	0~37	49	30	8-45
110	0~47	59	35	8-50



Quantity discount rate



1~9 10~19 20~49 50~100 - 5% 10% 15%







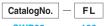




For area out of Singapore please refer to P.i.

	•			
PD Post.dia.	D	D ₁ ⁺¹ ₀	d	Р
20	22.5	20.5	1.0	14
22	24.5	22.5	1.0	14
25	27.9	25.5	1.2	14
28	31.3	28.5	1.4	16
32	35.7	32.5	1.6	16
38	42.5	38.5	2.0	18
45	50.1	45.5	2.3	20
50	55.7	50.5	2.6	20
60	66.9	60.5	3.2	20















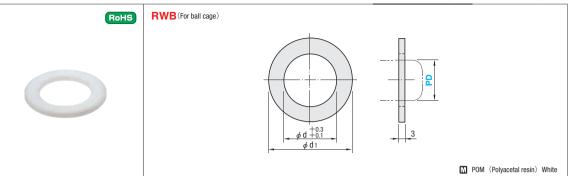




CatalogNo).	FL	U/Price		
Type	PD	10mm increments	Q'ty:1~9		
	20	40~90*			
	20	100~140			
	22	40~ 90			
	22	100~140			
	25	40~ 90			
	23	100~150	─ ō		
	28	50∼ 90			
	20	100~150	# #		
SWP	32	70~140	ota		
SWP	JZ	150~190			
	38	80~140			
	00	150~190	2		
	45	80~140	O O		
	40	150~190			
	50	80~140			
		150~190			
	60	80~140			
	00	150~190			
	Stock only available for SWP20-70				

	101 3WF 20 70				
CatalogN	lo.	FL	U/Price		
Type	PD	10mm increments	Q'ty:1~9		
		150~190			
	20	200~240			
	00	150~190			
	22	200~240			
	0.5	160~200			
	25	210~260			
	00	160~200			
	28	210~260			
SWPL	00	200~220	70		
(Long type)	32	230~260	uotati		
(Long type)		200~240			
	38	250~300	5		
	45	200~240	- A		
	45	250~300			
	EO	200~240			
	50	250~300			
	60	200~240			
	ı nu	050 000			

Quan	tity disc	ount rat	е	
Quantity	1~9	10~29	30~99	100~200
Rate	_	5%	10%	15%



nner diameter Outside diameter		Catalog No.		U/Price	
d	d ₁	Type	PD	Q'ty∶1~9	
20	35		20		
22	35		22		
25	40		25	o U	
28	45	DWD	28		
32	50	RWB (For ball cage)	32	ta	
38	60		38	0	
45	70		45		
50	75		50	0	
60	85		60		



CatalogNo. **RWB 25**





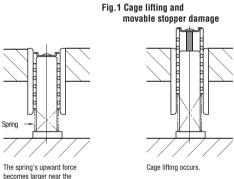


Days To For area out of Singapore please refer to P.i.

Quantity	discount	rate

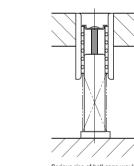
Quantit	Qualitity discount rate						
Quantity	1~9	10~19	20~29	30~50			
Rate	_	5%	10%	15%			

Features To prevent ball cage rise by upward force of spring, and extend a lifetime of guide post and bushing.



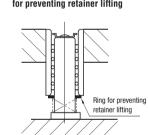
bottom dead point and the

cage slips.



Serious rise of ball cage would impose loads to movable stopper at the top dead center and cause fatigue breakage of stopper, or upper die may be irremovable at the time of maintenance

Fig.2 Effect of the Anti-rise rings for preventing retainer lifting



The ring for preventing cage lifting separates the spring from the cage at bottom dead center, preventing slippage caused by the upward force of the spring.