



MSQ

Rotary Plataforma (Gear Type)

MSQ Series

Rotary Plataform (Gear Type)



Ordering Code

MSQB	-	10	-	A
Model		Bore		Type
		10 70		Blank: With hydraulic Cushion device
		20 100		
		30 200		
		50		

Stroke / Sensor Switch Model

Model	*Sensor Switch Model (For Slide Installation)
10	DL-30 DL-07
20	
30	
50	
70	
100	
200	

Specification

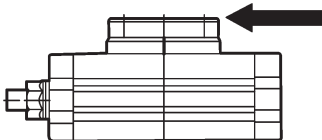
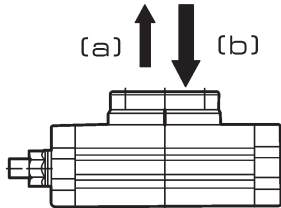
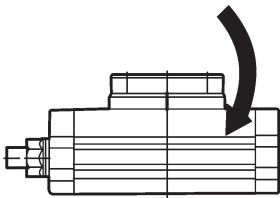
Bore (mm)		10	20	30	50	70	100	200
Operation Fluid		Air (Non-lub)						
Operation		Double Acting						
Max. Operation	With angle adjusting screw	10 Bar						
Pressure	With hydralic Cushion	6 Bar						
Min. Operation Pressure		1 Bar						
Ambient and fluid temperature		0~60 °C						
Cushion		Rubber Buffer (Standard) / Hydralic Cushion device (Optional)						
Function	With angle adjusting screw	0.007J	0025J	0.048 J	0.081J	0.24J	0.32J	0.56J
	With hydralic Cushion	0.039J	0.116J		0.294J	1.1J	1.6J	2.9J
Angle adjusting range		0~190°						
Max. rotating angle		190°						
Steady rotating	With angle adjusting screw	0.2~1.0s/90°				0.2~1.5s/90°	0.2~2.0s/90°	0.2~2.5s/90°
Time range	With hydralic Cushion	0.2~0.7s/90°				0.2~1.0s/90°		
Bore		Ø15	Ø18	Ø21	Ø25	Ø28	Ø32	Ø40
Port Size		M5 x 0.8		Rc1/8				

Max. operation pressure is subject to the Max. load of hydraulic Cushion device.

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Max. Load

				
Model	Max.honjontal load (N)	Max. vertical load (N)		Max. bending (N.m)
		(a)	(b)	
MSQ 10	78	74	78	2.4
MSQ 20	147	137	137	4.0
MSQ 30	196	197	363	5.3
MSQ 50	314	296	451	9.7
MSQ 70	333	296	476	12.0
MSQ 100	390	493	708	18.0
MSQ 200	543	740	1009	25.0

Model	Adjusting angle reached per round*
MSQB10	° Aboves 10.2
MSQB20	° Aboves 7.2
MSQB30	° Aboves 6.5
MSQB50	° Aboves 8.2

*In case of angle adjusting screw or hydraulic cushion twisting one circle.

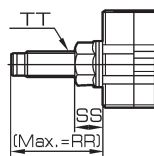
MSQ Series

Rotary Platform (Gear Type)

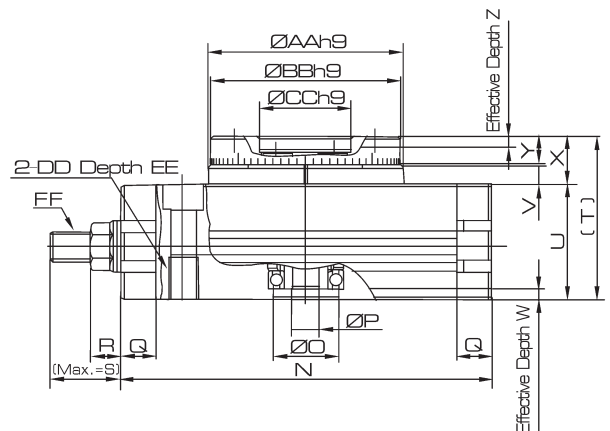
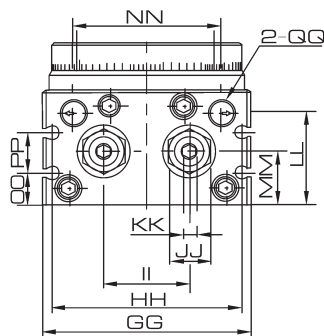
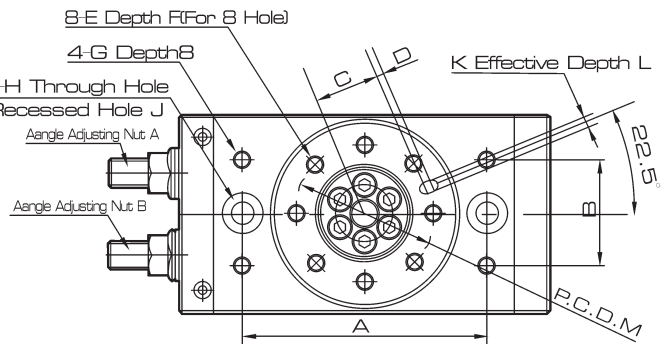
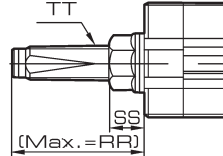
Overall Dimension

Ø10, 20, 30, 50

MSQB10/20/30R
(Hydraulic cushioning device)



MSQB50R
(Hydraulic cushioning device)



Dimension

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
MSQB10	60	27	15	2	M5 x 0.8	8	M5x0.8	6.8	11	6.5	3H9	3.5	32	92	15H9	5	9.5	8.6	17.7	47	34	4.5	3	13	8	4
MSQB20	76	34	20.5	2	M6 x 1	10	M6x1	8.6	14	8.5	4H9	4.5	43	117	17H9	9	12	10.6	25	54	37	6.5	2.5	17	10	6
MSQB30	84	37	23	2	M6 x 1	10	M6x1	8.6	14	8.5	4H9	4.5	48	127	22H9	9	12	10.6	25	57	40	6.5	3	17	10	4.5
MSQB50	100	50	26.5	2	M8 x 1.25	12	M8x1.25	10.5	18	10.5	5H9	5.5	55	152	26H9	10	15.5	14	31.4	66	46	7.5	3	20	12	5

Model	AA	BB	CC	DD	EE	FF	GG	HH	II	JJ	KK	LL	MM	NN	OO	PP	QQ	RR	SS	TT	Code of Hydraulic Cushion device
MSQB10	46	45	20	M8 x 1.25	12	M8 x 1	50	45	20	12	4	27.8	15.5	34.5	9	13	M5 x 0.8	31.5	8.6	M8 x 1	RBA0805-X692
MSQB20	61	60	28	M10 x 1.5	15	M10 x 1	65	60	27.5	14	5	28.8	16	51	10	12	M5 x 0.8	34.7	10.6	M10 x 1	RBA1006-X692
MSQB30	67	65	32	M10 x 1.5	15	M10 x 1	70	65	29	14	5	32	18.5	50	11.5	14	1/8	34.7	10.6	M10 x 1	RBA1006-X692
MSQB50	77	75	35	M12 x 1.75	18	M14 x 1.5	80	75	38	19	6	37.5	22	63	14.5	15	1/8	51.7	14	M14 x 1.5	RBA1411-X692

Max. measurement is at Max. rotation angle (190°)

Overall Dimension

[illegible]