

Official Product Identity Mapping

MSQB7A

Official SMC model identity: MSQB7A

MSQ = compact rack-and-pinion rotary table series

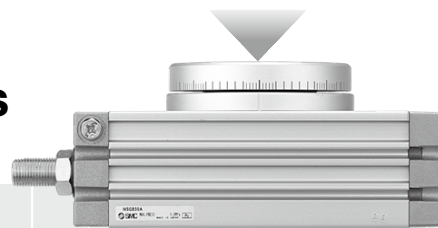
B = basic type; 7 = size 7; A = end-port configuration

The selected catalog pages contain the exact model, envelope and mass table.

Official model page:

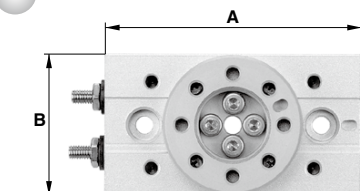
<https://www.smcworld.com/webcatalog/s3s/en-jp/detail/?partNumber=MSQB7A>

Rotary Table MSQ Series Rack & Pinion Type

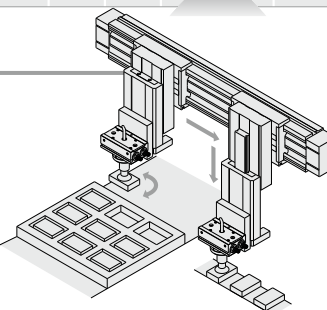
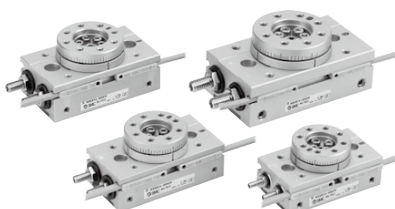


Small sizes 1, 2, 3, and 7

Small size and light weight



Full size (Picture of MSQB1A)

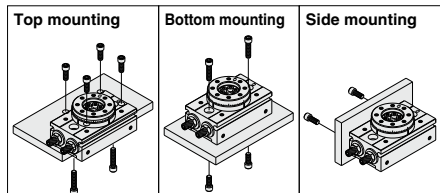


Measure		mm				
Size	Model	A	B	C	D	Weight (g)
1	MSQB1A	50.5	28	25	16	70
2	MSQB2A	56	30	28	18	105
3	MSQB3A	60	34.5	30.5	20.5	150
7	MSQB7A	73.5	41	34.5	23	250

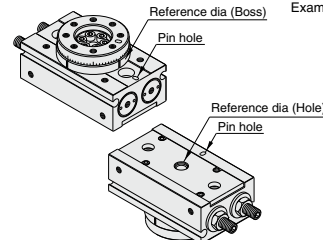
Variety of installation options for space saving

Offers maximum space saving installation by taking advantage of the compact body, space saving wiring and piping.

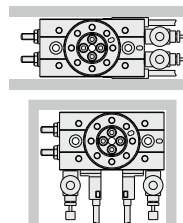
Free mount



Easy center alignment at mounting



Wiring and piping can be selected according to mounting conditions
Example of auto switch and speed controller mounting

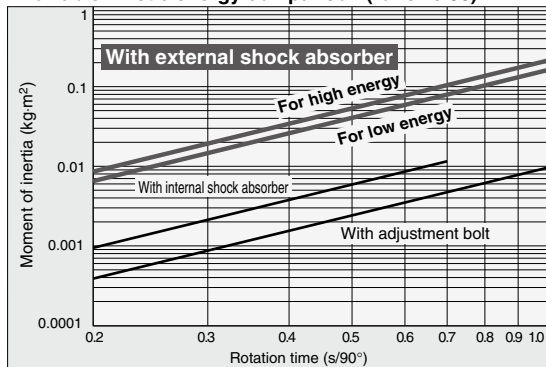


External shock absorber types

4 to 10 times more allowable kinetic energy (Compared with internal shock absorber type)

2 types of shock absorbers are available, for low energy and high energy.

Allowable kinetic energy comparison (for size 30)



Total length shortened

Longitudinal mounting space is reduced because there is no protrusion from adjustment bolts or internal shock absorbers.

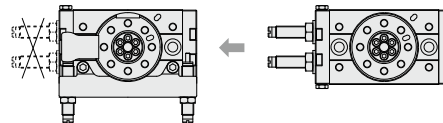
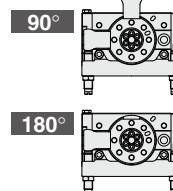
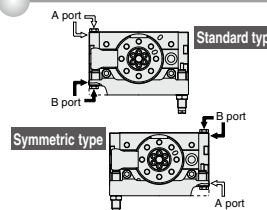


Table height is the same for both types with adjustment bolts or internal shock absorbers.

Rotation angle: 90°, 180°



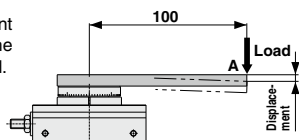
Left / Right symmetric type



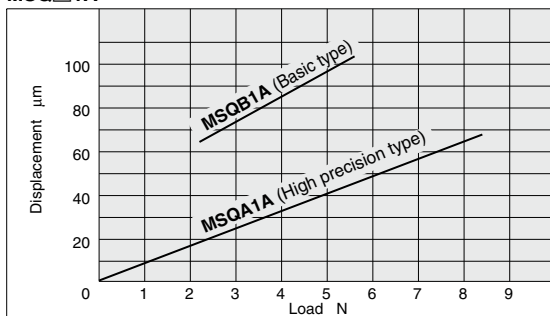
MSQ Series

Table Displacement (Reference values)

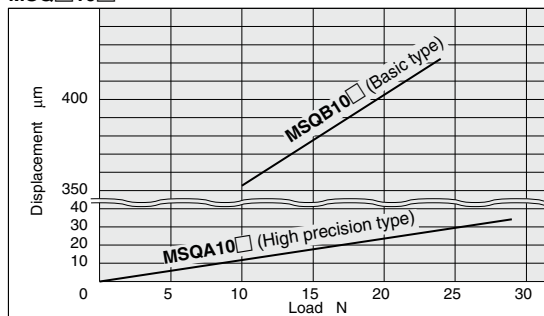
- The following graphs show the displacement at point A, which is 100 mm apart from the center of rotation, where the load is applied.



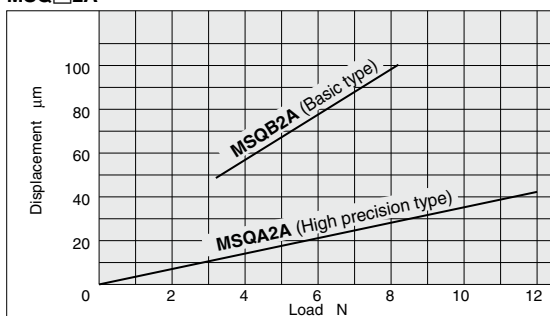
MSQ□1A



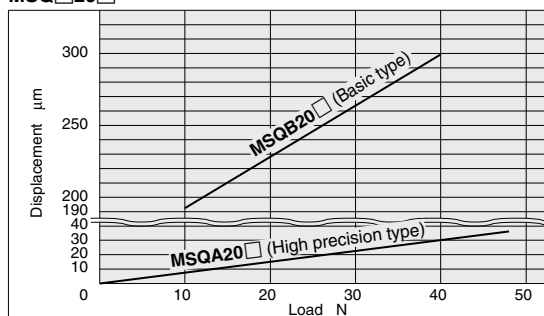
MSQ□10□



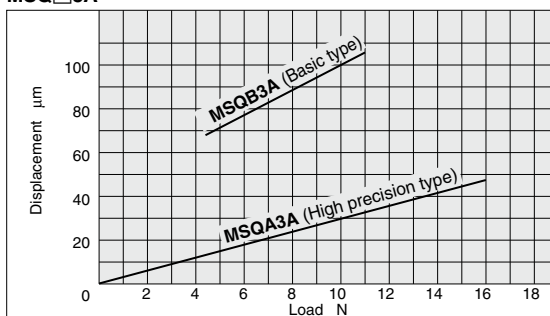
MSQ□2A



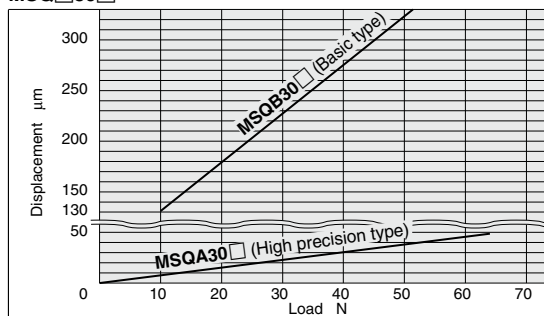
MSQ□20□



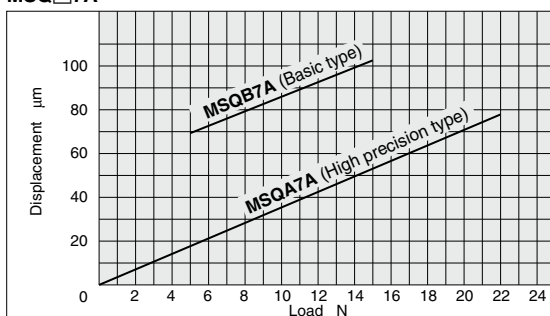
MSQ□3A



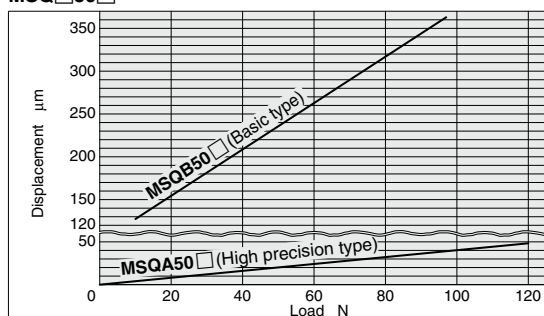
MSQ□30□



MSQ□7A



MSQ□50□





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PRODUCT: MSQB7A / MSQ Series Basic Rack-and-Pinion Rotary Table

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