

Small diameter ball screw line up

Small diameter ball screw + Miniture support unit

GT0601/GT0801/
 DP0601/DP0801/
 DP0802/DP1002/
 GP1002/etc.



With miniture support unit

The combination of small diameter ball screws and miniture support units contribute to space efficiency and support miniaturization endeavors.

Miniture support units

Light weight and small size

- 60% less weight (compared to BUK-6)
- For downsizing, light weight and high responsivity applications

High rigidity

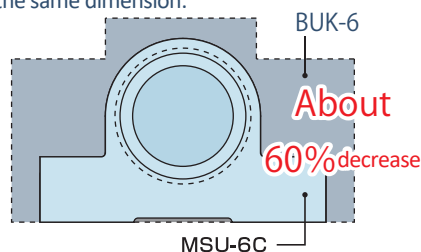
- Equipped with a miniture thrust angular contact bearing which has strictly controlled preload.

Comparison with BUK-6

- Height of the center of shaft is the same dimension.
- Axial load capability load is equal to or superior (All model)

Use

- Ball screw support unit



Part name	Standard specifications
Housing	Square type SMF + Low temperature black chromium coating
	Round type SMF + Low temperature black chromium coating
Cover flange	SUS303 + with black coating
Bearing	Miniature thrust Angular contact ball bearing
Lock nut	SUS303 + with black coating
Spacer	SUS303 + with black coating
Set piece	C3604
Set screw with hexagon hole	SUSXM7

Examples of supported formats

MSU-4C/MSU-4G - GT0601

MSU-8C/MSU-8G - DP0801/0802/1002
 GP1002

MSU-6CS/MSU-6GS - GT0801/DP0801/0802
 DP1002/GP1002

MSU-6C/MSU-6G - GT0801/DP0601

How to interpret
 model#

RW 08 02 P S - B P N R - 0300 X 0250 - C7 M - MSU-4C

①

②

③

④

⑤

⑥

① Model#

② Overall length

③ Thread length

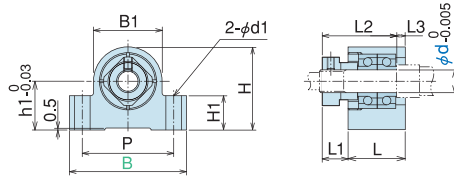
④ Accracy Grade

⑤ Axial clearance

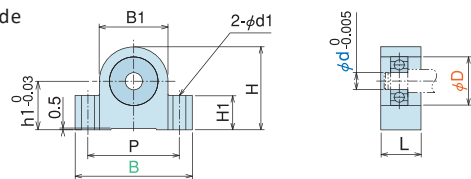
⑥ Support unit

■ Shape, Dimensions, Specifications

Fixed side



Supported side



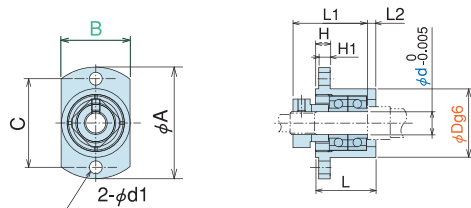
Square type fixed side Support unit

Model no.	d	L	L1	L2	L3	B	H	h1	B1	H1	P	d1	Lock nut
MSU-4C	4	14	5.5	17.5	2	27	17	10	14	6	21	3.5	M4×0.5
MSU-6C	6	17	7.5	22	2.5	35	22.5	13	19	8	26	5.5	M6×0.75
MSU-8C	8	20	9	26	3	41	29	17	24	12	32	5.5	M8×1.0

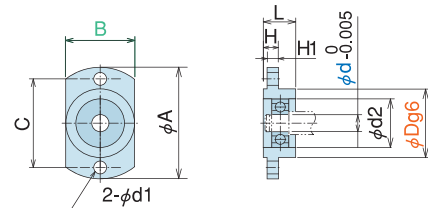
Square type support side Support unit

Model no.	d	L	B	H	h1	B1	H1	P	d1	D
MSU-6CS	6	12	35	22.5	13	19	8	26	5.5	15

Fixed side



Supported side



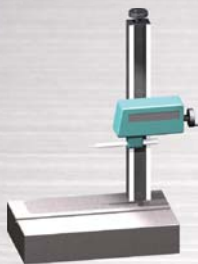
Round type fixed side Support unit

Model no.	d	L	L1	L2	H	D	A	B	C	d1	H1	Lock nut
MSU-4G	4	13.5	17.5	1.5	5	14	26	14	20	3.5	3	M4×0.5
MSU-6G	6	17	22	2.5	5	19	34	19	26	4.5	4	M6×0.75
MSU-8G	8	20	26	3	4	24	39	24	31	4.5	4	M8×1.0

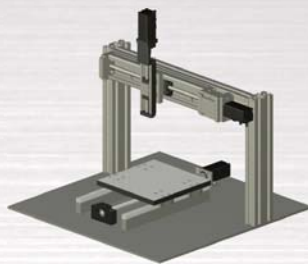
Round type support side Support unit

Model no.	d	L	H	D	d2	A	B	C	d1	H1
MSU-6GS	6	10	5	19	15	34	19	26	4.5	4

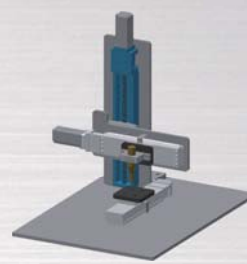
Miniture ball screw application examples



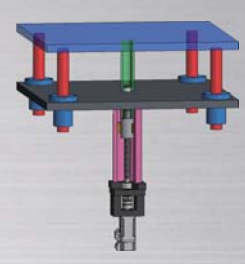
Vertical measurement tools



Inspection tool stages



Dental milling machines



Verticle inspection tool stages

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