

Small diameter ball screw line up

Small diameter ball screw + Miniature support unit

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



With miniature support unit

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

Miniature support units

Light weight and small size

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

High rigidity

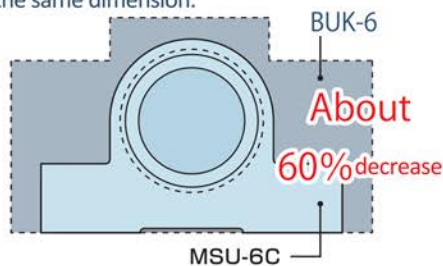
- Equipped with a miniature thrust angular contact bearing which has strictly controlled preload.

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

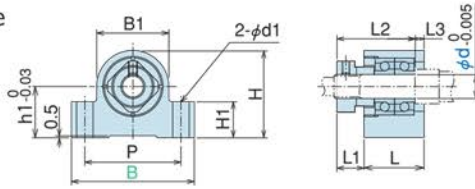
MSU-4C/MSU-4G - GT0601
MSU-6C/MSU-6G - GT0801/DP0601

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

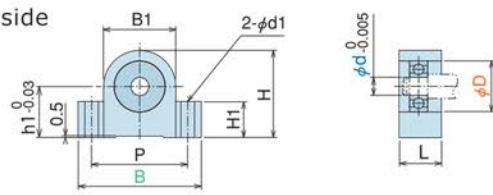
MSU-6CS/MSU-6GS - GT0801/DP0801/0802
DP1002/GP1002

■ Shape, Dimensions, Specifications

Fixed side



Supported side



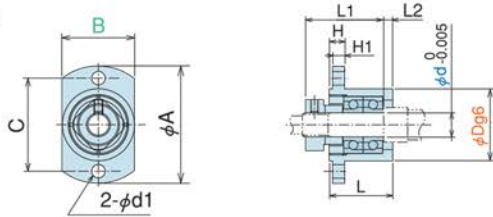
Square type fixed side Support unit

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

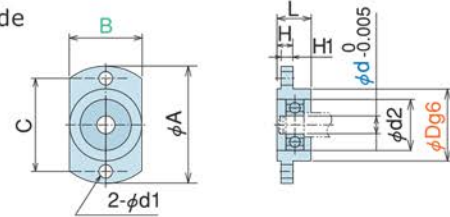
Square type supported side Support unit

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

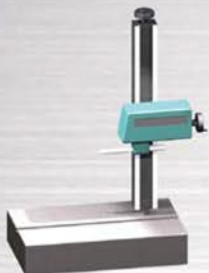
Model no.	d	L	L1	L2	H	D	A	B	C	d1	H1
MSU-4G	4	13.5	17.5	1.5	5	14	26	14	20	3.5	3
MSU-6G	6	17	22	2.5	5	19	34	19	26	4.5	4
MSU-8G	8	20	26	3	4	24	39	24	31	4.5	4

Round type supported 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

Ordering example: DP0601JS-HDNR-0075X0033-C3C-MSU-6C

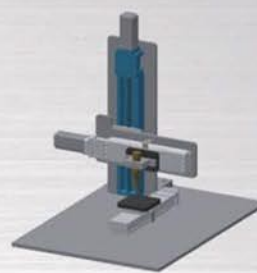
Miniature ball screw application examples



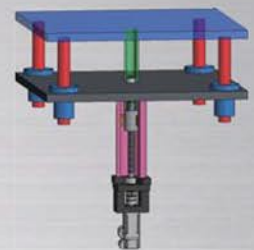
Vertical measurement tools



Inspection tool stages



Dental milling machines



Vertical inspection tool stages