

XYZ-axis Linear Ball Guide (SS) Stage □25~□80: BSS76/BSB76 Series

BSS76-60A



BSB76-60A



Dimensional outline drawings

The center hole tolerance H8 for BSB.



PART
COMMUNITY

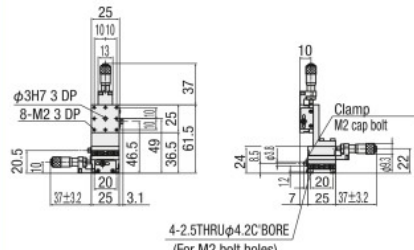
CAD
DATA

SURUGA
SEIKI

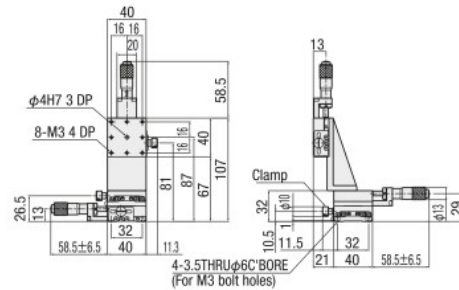
RoHS

CAD
3D・2D

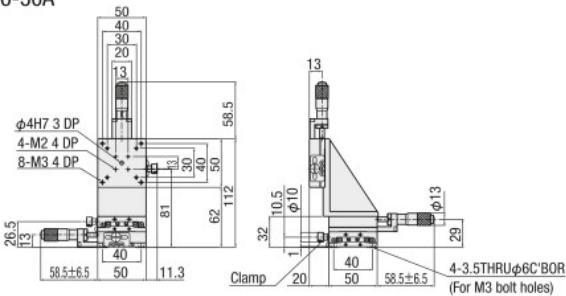
BSS76-25A/BSB76-25A



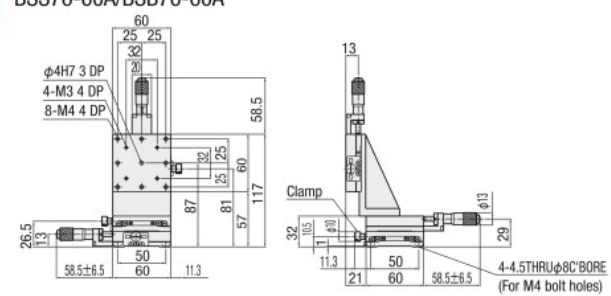
BSS76-40A/BSB76-40A



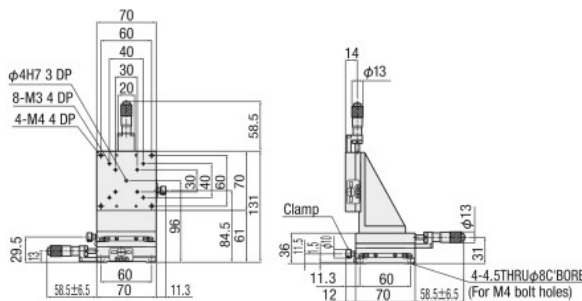
BSS76-50A



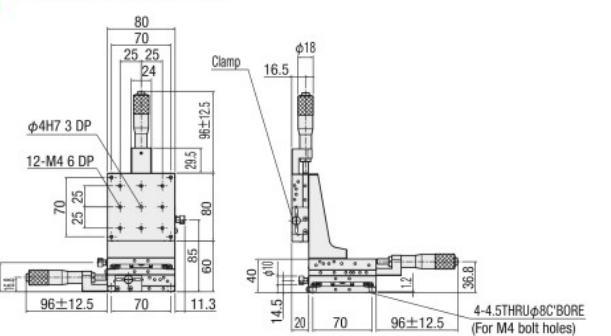
BSS76-60A/BSB76-60A



BSS76-70A



BSS76-80A/BSB76-80A

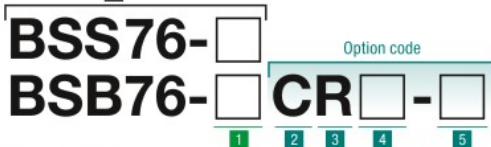


Configuration

Model	BSS (BSB) 76-	25A	25C	25CU	Reference page	40A	40C	40CU	Reference page	50A	50C	50CU	Reference page	60A	60C	60CU	Reference page	70A	70C	70CU	Reference page	80A	80C	80CU	Reference page
Z	BSS (BSB) 36-	25A	25C	25CU	P2-057	40A	40C	40CU	P2-057	50A	50C	50CU	P2-057	60A	60C	60CU	P2-057	70A	70C	70CU	P2-057	80A	80C	80CU	P2-057
X,Y	BSS (BSB) 16-	25A	25C		P2-045~	40A	40C		P2-047~	50A	50C		P2-047~	60A	60C		P2-048~	70A	70C		P2-048~	80A	80C		P2-051~

※R (opposite-hand) means configuration for X or Y or Z-axis of R. ※BSB is only for 25・40・60・80.

1 Model



Select the option code as below.

A color of the parts may be silver due to the option model.

5 Grease specification

Standard grease	Clean environment grease AFF	Grease for the vacuum FOMBLIN
Blank	J	L

1 Stage table size

25*	25×25mm
40*	40×40mm
50	50×50mm
60*	60×60mm
70	70×70mm
80*	80×80mm

※BSB is only for *.

2 Feeding position

Center Side looks down Side looks up

Available only BSS

Code A C CU

3 Operating position

Standard Opposite attached micrometer

Code Blank R

4 Feeding type

Standard micrometer (P=0.5mm) Feeding screw (Knob) (P=0.5mm) Feeding screw (Knob) (P=0.5mm)

Available only □25~70 ※No BSB Available only □80 ※No BSB

Code Blank 1 TP

SPEC *Minimum reading of micrometer 10μm・Scale・Main material: Stainless・Surface finishing: BSS (Electroless nickel plating) BSB (Low temperature black chrome plating)

Model		Travel distance (mm)	Load capacity	Travel accuracy (Within)			Allowable load for moment (N·m)			Moment rigidity (°/N·cm)			Verticality (Within)	Motor verticality (Within)	Weight (kg)	Provided screws (H socket screws)
				Straightness	Pitching	Yawing	Pitch	Yaw	Roll	Pitch	Yaw	Roll				
BSS76-	25 *	±3.2	1.0kgf [9.8N]	3μm	30"	25"	2.0	2.0	3.5	4.10	3.30	4.90	80μm	25μm	0.37	4 of M2 – 4
	40 *						5.0	5.0	5.0	0.98	0.91	1.05				
BSB76- (only for *)	50	±6.5	5.0kgf [49N]	* BSB 3μm	25"	15"	6.0	6.0	6.0	0.38	0.37	0.39	95μm	35μm	1.00	4 of M3 – 6
	60 *						9.0	9.0	9.0	0.21	0.21	0.21				
	70						12.9	12.9	12.9	0.14	0.13	0.15				
	80 *						17.7	17.7	17.7	0.10	0.10	0.10				
		±12.5		3μm									110μm	45μm	3.00	4 of M4 – 6

Manual linear stage

X

XY

Z

Horizontal Z

XZ

Horizontal XZ

XYZ

Horizontal XYZ

Goniometer

Rotary

Unit

Accessories

Linear Ball

Cross Roller

Dovetail

□25

□30

□40

□50

□60

□70

□80

□100

□120

Other

2

060