

Stage Maintenance Parts

Micrometer Head

Positioning Stages

Micrometer Heads

MCLN1
(Stroke ±3.25 mm)

MCLN2
(Stroke ±3.25 mm)

MCLN3
(Stroke ±3.25 mm)

MCLN4
(Stroke ±3.25 mm)

MCLN6
(Stroke ±6.5 mm)

MCLN12
(Stroke ±12.5 mm)

MCLN83

MCLN84

Ⓢ The drawing shows the micrometer in stroke center state.
 Ⓢ Micrometer has a bolt/nut system, so the total length doesn't change.

Material: Spindle: SKS, Handle: SUM, Nut/Thread: Low Cadmium Brass
Accessories: Dedicated Wrench (W Nut Type only)

Part Number Type	No.	Stroke (mm)	Minimum Graduation (mm)	Travel Distance per Rotation (mm)	Weight (kg)
MCLN	1	±3.25	0.01	0.5	0.01
	2				0.03
	3				0.01
	4				0.03
	6	±6.5	0.01	0.5	0.03
	12	±12.5			0.09
	83	Coarse Feed ±6.5 Fine Feed 0.2	Coarse Feed ±0.01 Fine Feed 0.0005	0.5	0.10
	84	±6.5	0.001		0.235

Part Number Example Part Number
MCLN6

Stage Accessories

Feed Screws / Clamp Screws with Lever for Dovetail Stages / Vernier Scales

Positioning Stages

Feed Screws

Knob Type

XBMF (Pitch 0.25) (No.3, 6)
XBM (Pitch 0.5) (No.3, 6, 12)
No.3

Hexagon Socket Head Type

XBRF (Pitch 0.25) (No.3, 6)
No.3

No.6

No.12

Ⓢ Hex socket type can be locked with a set screw on the bushing.

Material: Screw: 304 Stainless Steel Nut: Low Cadmium Brass

Feed Screw	Part Number		Lead	Stroke	Linear Ball Slide Type / Cross Roller Type Applicable Stage Surface Size	Weight (g)
	Type	No.				
With Knob	XBMF	3	0.25	±3.2	25 Square	5
		6		±6.5	40-80 Square	30
		3		±12.5	100 Square, 120 Square	5
	XBM	6	0.5	±6.5	40-80 Square	30
		12		±12.5	100 Square, 120 Square	50
		3		±3.2	25 Square	5
Hex Socket Head Cap Screw	XBRF	6	0.25	±6.5	40-80 Square	15

Part Number Example Part Number
XBMF3

Clamp Screws with Lever for Dovetail Stages

STRONG3

STRONG3W
(With Washer)

STRONG4

Ⓢ Shaft (A) is retained with a flat head screw (M1.6 x 5) and the lever position can be turned 90° by removing the screw and rotating the shaft.

Material: Lever: Stainless Steel, Screw: Low Cadmium Brass

Vernier Scales

Scale Board (Main Scale)

Scale Board (Vernier Scale)

Type	No.	L	P	Applicable Stage
VNIR	40	36	32	XWG / XYWG / XSL / XSLC / XSC / XSSL / XSSLC
	60	56	52	
	90	86	82	
	140	136	132	

Ⓢ Resolution: 0.1 mm
 Ⓢ See the XY Stage Overview pages for vernier scale reading instructions. P.2007
 Ⓢ Accessory: Cross Recessed Pan Head Screw M2 x 3L (P = 0.4), 4 pcs.

Material: 1050 Aluminum Alloy

Part Number Example Part Number
STRONG3 VNIR60