

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	0.25	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.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

Ⓢ A dedicated wrench is included with XBRF.

Clamp Screws with Lever for Dovetail Stages

RoHS 10

STRONG3

STRONG3W (With Washer)

Ⓢ 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

Type	No.	Applicable Stage
STRONG	3	XLWG (P.2025) / XSLC (P.2029) / XSC (P.2028) / XSSL (P.2030)
	3W	XWG (P.2021) / XSL (P.2029) / XSSL (P.2030) / XSP (P.2020) / XSB (P.2023)
	4	XLONG (P.2026)

Vernier Scales

Scale Board (Main Scale)

Scale Board (Vernier Scale)

RoHS 10

Type	No.	L	P	Applicable Stage
VNIR	40	36	32	XWG / XYWG / XSL / XSLC / XSC / XSSL / XSSL (P.2030)
	60	56	52	Ⓢ Select the size that corresponds to the stage.
	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

2102

There's more on the web: misumiusa.com

Check out misumiusa.com for the most current pricing and lead time.

2103