

# Stage Maintenance Parts

## Micrometer Head

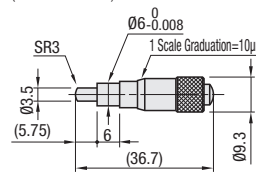
■Features: Micrometer head which enables fine adjustment can be ordered separately. Economical MISUMI original products are also available.

### ■Micrometer Head



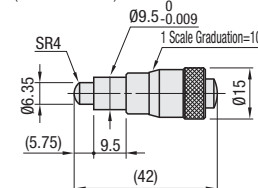
#### MCLN1

(Stroke ±3.25mm)



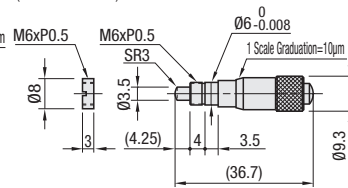
#### MCLN2

(Stroke ±3.25mm)



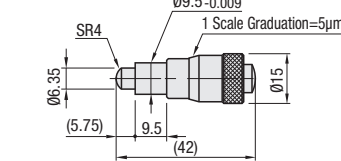
#### MCLN3 (w/ Nut)

(Stroke ±3.25mm)



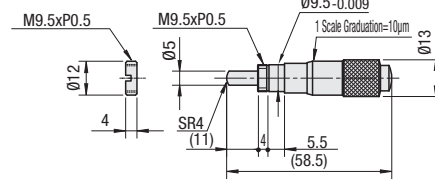
#### MCLN4

(Stroke ±3.25mm)



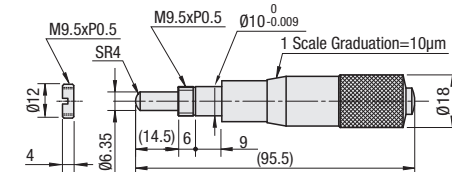
#### MCLN6 (w/ Nut)

(Stroke ±6.5mm)

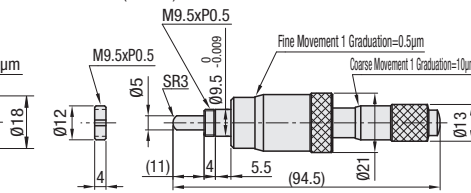


#### MCLN12 (w/ Nut)

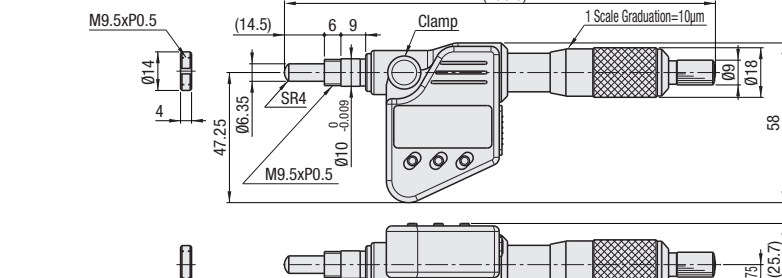
(Stroke ±12.5mm)



#### MCLN83 (w/ Nut)



#### MCLN84 (w/ Nut)



①The drawing shows the micrometer in stroke center state.  
②Micrometer has a bolt/nut system, so the total length doesn't change.

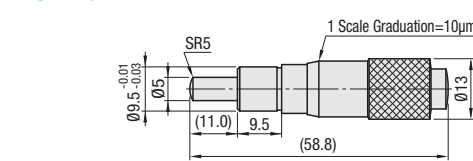
■Material Spindle: SKS, Handle: SUM, Nut/Thread: Low Cadmium Brass

■Accessory: Dedicated Wrench (w/ Nut Type only)

### ■Standard Micrometer Head (MISUMI Original)



#### MCMH6



Type	Spindle		Main Body	
	Material	Surface Treatment	Material	Surface Treatment
MCMH	SUS416	SUM43	Trivalent Chromate	

Part Number Type	No.	Stroke (mm)	Minimum Graduation (mm)	Travel Distance per Rotation (mm)	Weight (kg)	Unit Price
MCLN	1	±3.25	0.01	0.5	0.01	
	2				0.03	
	3				0.01	
	4	±6.5	0.005	0.25	0.03	
	6				0.09	
MCMH	12	±12.5	0.01	0.5	0.10	
	83	Coarse Feed ±6.5 Fine Feed 0.2	Coarse Feed 0.01 Fine Feed 0.0005	0.5	0.235	
	84	±12.5	0.001	0.5	0.03	

Ordering Example  
Part Number  
MCLN6  
MCMH6

# Stage Maintenance Parts

## Feed Screws / Clamp Screws with Levers / Vernier Scale

■Features: Precision finished screw/bushing fits minimizes play.

### ■Feed Screw

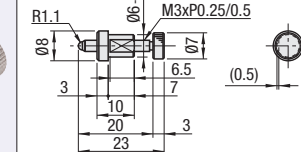


RoHS 10

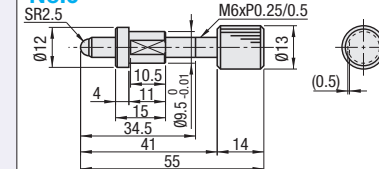
### ■Knob Type

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

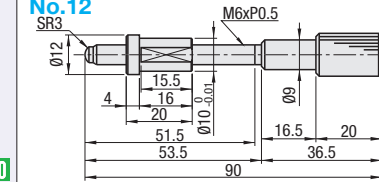
#### No.3



#### No.6



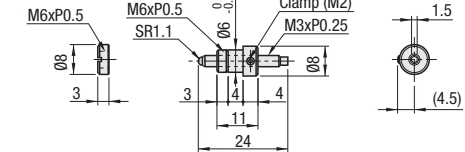
#### No.12



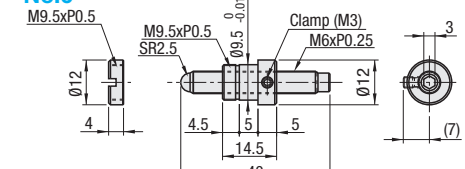
### ■Hex Socket Type

XBRF (Lead 0.25) (No. =3, 6)

#### No.3



#### No.6



①Hex Socket Type can be locked with a set screw on the bushing.

■Material Screw: SUS303, Nut: Low Cadmium Brass

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

Part Number		Unit Price
Type	No.	1 ~ 10 pc(s).
XBM	3	
	6	
	12	

Part Number		Unit Price	Volume Discount Rate
Type	No.	1 ~ 2 pc(s).	3 ~ 10 pcs.
XBMF	3		
	6		
XBRF	3		
	6		

①A dedicated wrench is included with XBRF.

Ordering Example  
Part Number  
XBMF3

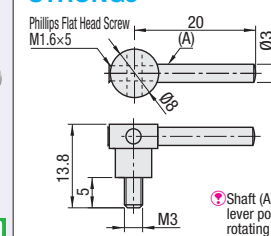
■Features: Clamp Screws with Levers. More torque can be applied for clamping compared to the standard clamp screws. Dovetail slide stage clamps can be reinforced.

### ■Clamp Screws with Levers for Dovetail Stages

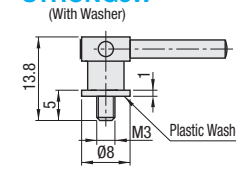


RoHS 10

#### STRONG3

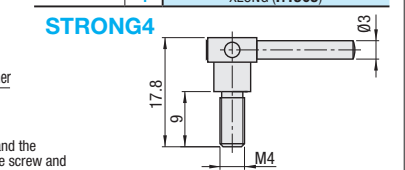


#### STRONG3W



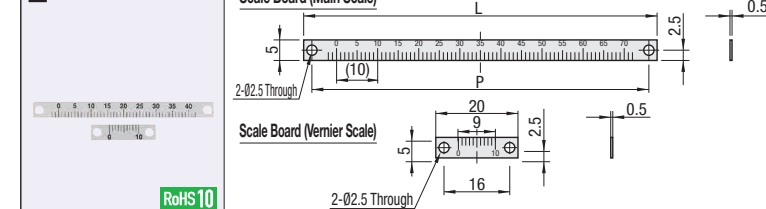
①Shaft (A) is fixed with a Phillips flat head screw (M1.6x5), and the lever position can be turned by 90 degrees by removing the screw and rotating the shaft.

Type	No.	Applicable Stage
STRONG	3	XLWG (P1908), XSLC (P1900), XSC (P1899), XSSLC (P1902)
	3W	XWG (P1904), XSL (P1900), XSL (P1901), XSP (P1904), XSB (P1906)
	4	XLONG (P1909)



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

### ■Vernier Scale



RoHS 10

Type	No.	L	P	Applicable Stage
VNIR	40	36	32	XWG, XYWG, XSL, XSLC, XSC, XSSL, XSSLC
	60	56	52	
	90	86	82	①Select the size that corresponds to the stage.
	140	136	132	

①Resolution: 0.1mm  
②See the XY Stage Overview pages for vernier scale reading instructions. ■P.1890

■Material: A1050

Ordering Example  
Part Number  
STRONG3  
VNIR60

Part Number		Unit Price	Volume Discount Rate
Type	No.	1 ~ 4 pc(s).	5 ~ 7 pcs. 8 ~ 10 pcs.
STRONG	3		
	3W		
	4		

①For orders larger than indicated quantity, please request a quotation.

Part Number		Unit Price
Type	No.	1 ~ 10 pc(s).
VNIR	40	
	60	
	90	
	140	