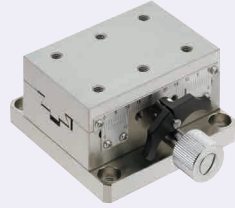


# [High Precision] X-Axis Dovetail Slide, Rack & Pinion

Rectangular, Steel, High Load Capacity

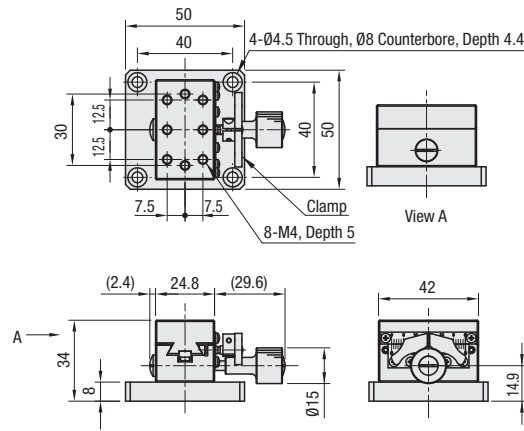
Features: XWGSR stages are made of steel, with higher horizontal load capacities and impact resistance compared to the XWG Series (P.1904).

## X-Axis, High Load Capacity

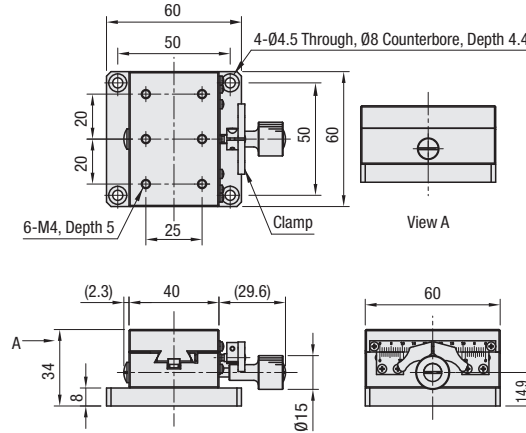


RoHS 10

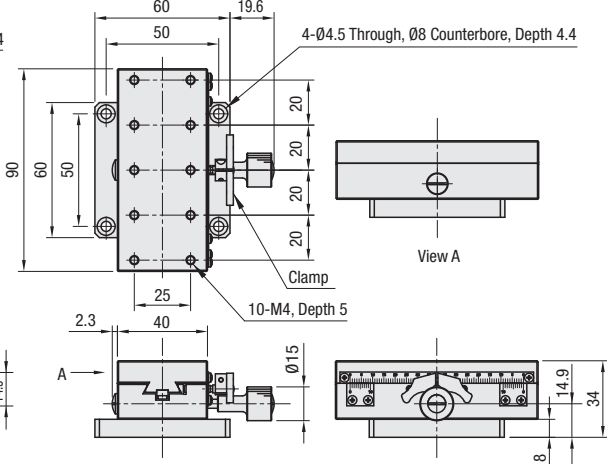
### XWGSR40



### XWGSR60



### XWGSR90



M Material: S45C  
S Surface Treatment: Electroless Nickel Plating

Part Number	Stage Surface	Travel Distance	Travel per Rotation	Horizontal Load Capacity	Moment Load Capacity (N·m)			Travel Accuracy (µm)		Parallelism	Weight (kg)	Accessory (4 pcs.)	Unit Price
					Pitching	Yawing	Rolling	Straightness	Motion Parallelism				
XWGSR	40	24.8x40	±12	18	98	5.0	3.3	2.6	30	40	50µm	0.36	SCB4-10
	60	40x60	±21	18	196	15.0	7.8	10.4	30	40	50µm	0.70	
	90	40x90	±35	18	294	27.5	16.5	28.6	30	40	50µm	0.94	

Resolution (Vernier Scale Indication): 0.1mm/division

Knob Cover HDCVR15 (Sold Separately): Ø15 knobs can be increased in diameter by installing the cover. P.2004

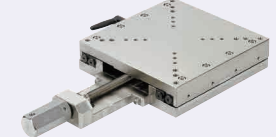
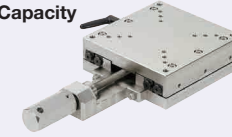
Ordering Example  
Part Number  
XWGSR40

# [High Precision] X-Axis Cross Roller

Steel, High Load Capacity

Features: The stage can position 40 ~ 120kgf loads accurately.

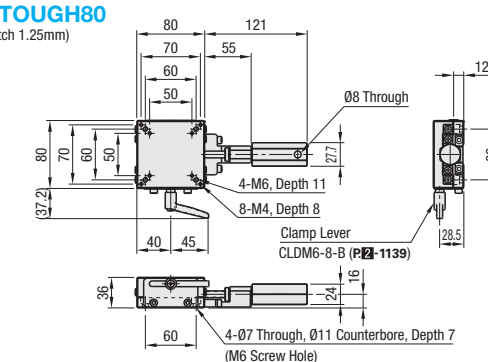
## X-Axis, High Load Capacity



RoHS 10

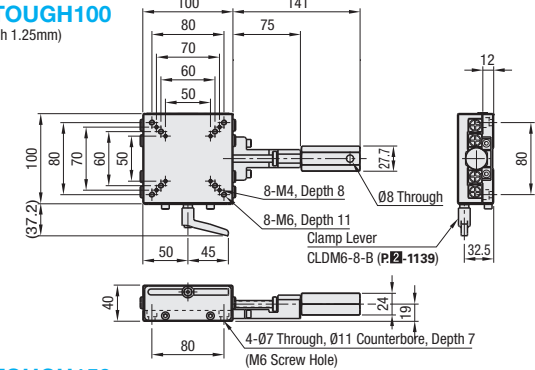
### XTOUGH80

(Pitch 1.25mm)



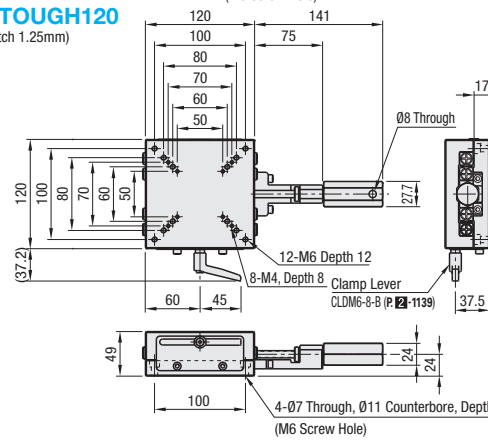
### XTOUGH100

(Pitch 1.25mm)



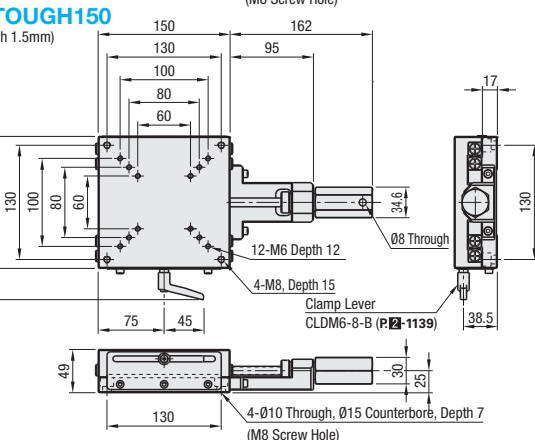
### XTOUGH120

(Pitch 1.25mm)



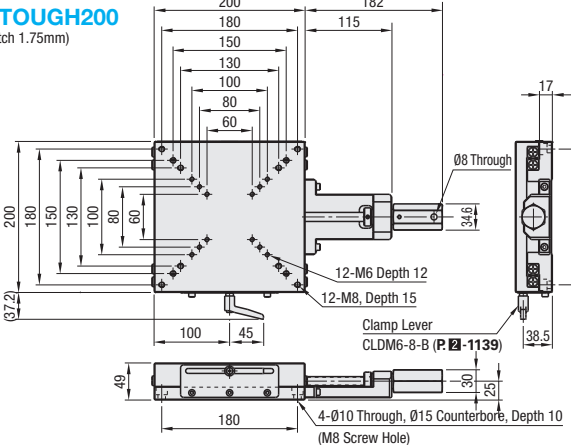
### XTOUGH150

(Pitch 1.5mm)



### XTOUGH200

(Pitch 1.75mm)



M Material: (Main Body) S50C  
(Feed Screw) SUS304  
S Surface Treatment: Electroless Nickel Plating

On the opposite side of the clamp lever, Vernier Scale is provided. Resolution (Vernier Scale Indication): 0.1mm/division. The clamp lever cannot be mounted on the opposite side.

Part Number	Stage Surface	Travel Distance	Travel per Rotation	Horizontal Load Capacity	Travel Accuracy			Moment Load Capacity (N·m)			Moment Rigidity (N/cm)			Parallelism	Weight (kg)	Accessory (4 pcs.)	Unit Price	
					Straightness	Motion Parallelism	Pitching	Yawing	Pitching	Yawing	Rolling	Pitching	Yawing					
XTOUGH	80	80x80	±20	1.25	392	6µm	15µm	50°	30°	30.1	25.1	23.0	0.228	0.139	0.059	50µm	1.78	SCB6-16
	100	100x100	±25	1.25	588	6µm	15µm	50°	30°	70.3	58.6	56.0	0.033	0.015	0.021	50µm	2.98	
	120	120x120	±30	1.25	784	6µm	15µm	50°	30°	142.9	119.1	120.0	0.024	0.014	0.015	50µm	5.18	
	150	150x150	±40	1.5	980	10µm	20µm	80°	50°	252.9	210.7	219.9	0.009	0.008	0.003	50µm	8.48	
	200	200x200	±50	1.75	1176	10µm	20µm	80°	50°	527.9	439.9	479.8	0.004	0.002	0.003	50µm	13.82	

Ordering Example  
Part Number  
XTOUGH150