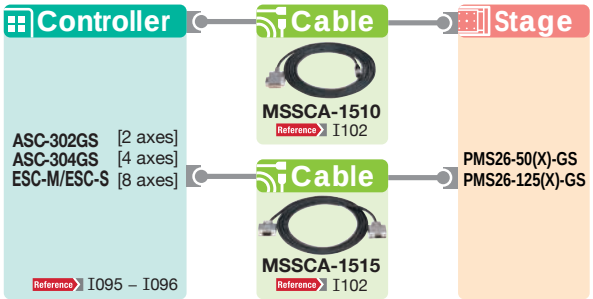
Precision Motorized Stages with built in Glass-scale Encoder | PMS

RoHS CE

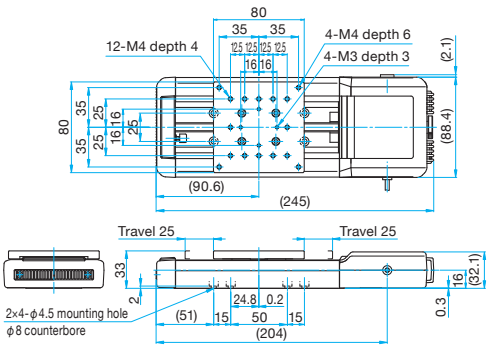
■Compatible Controllers / Cables



Outline Drawing

PMS26-50(X)-GS

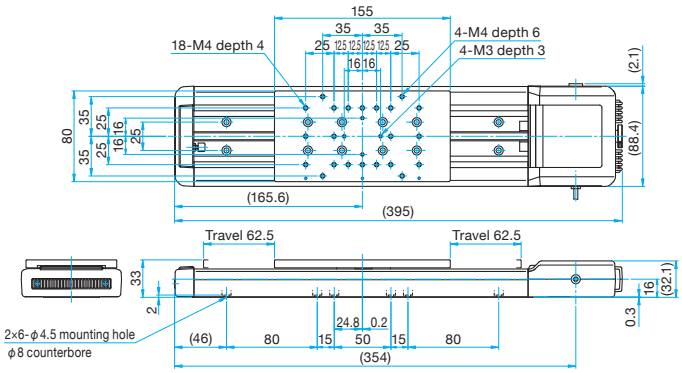
Hexagon socket head cap screw M4×6…6 screws, M3×6…2 screws



PMS26-125(X)-GS

2D CAD 3D CAD

Hexagon socket head cap screw M4×6···8 screws, M3×6···2 screws



Specifications

Part Number			PMS26-50(X)GS	PMS26-125(X)-GS
Mechanical Specifications	Travel [mm]		50	125
	Table Size [mm]		80×80	80×155
	Feed Screw [mm]		Ball screw diameter ϕ8mm, 2mm lead	Ball screw diameter ϕ8mm, 2mm lead
	Guide		Outer rail structure	Outer rail structure
	Stage Material		Stainless steel	Stainless steel
	Weight [kg]		1.6	2.8
Accuracy Specifications	Resolution	(Full) [μm/pulse]	4	4
		(Half) [μm/pulse]	2	2
	MAX Speed [mm/sec]		30	30
	Positioning Accuracy [μm]		5	7
	Positional Repeatability [μm]		1	1
	Load Capacity [N]		98 (10.0kgf)	98 (10.0kgf)
	Moment Stiffness	Pitch [″/N·cm]	0.2	0.05
		Yaw [″/N·cm]	0.2	0.05
		Roll [″/N·cm]	0.2	0.15
	Lost Motion [μm]		0.5	0.5
	Backlash [μm]		3	3
	Parallelism [μm]		50	50
	Running Parallelism [μm]		10	10
	Pitch [″] / Yaw [″]		30/30	30/30
Sensor	Sensor Part Number		PM-L24 (SUNX Co., Ltd.)	
	Limit Sensor		Equipped (NORMAL CLOSE)	Equipped (NORMAL CLOSE)
	Origin Sensor		None	None
	Proximity Origin Sensor		None	None

Motor Specifications

Motor	Type	5-phase stepping motor 0.75A/phase (Oriental Motor Co., Ltd.)
	Motor Part Number	C9863-90215P (□28mm)
	Step Angle	0.72°

Compatible Controller

Compatible Controller	ASC-302GS, ASC-304GS, ESC-M/ESC-S