

High Precision manual translation stage assembly with fine adjustment in four axes.

Application System

Machine Vision

Manual Positions

Motion Control Products

Optical & Mirror Holder

Optomechanics

Holders

Factory Automation Parts

Measurement & Control

FA Electrical Parts

Laser

Tools & Clean Parts

X Axis Stages

XY Axis Stages

Z Axis Stages

XZ Axis Stages

XYZ Axis Stages

Rotation Stages

Goniometers/ Tilt Stages

Multiaxis Stages

Linear Guide



- Assembly consists of XY axis steel stage, Z-pivot flat top steel stage, and  $\theta$ -rotation coarse/ fine-adjustment stage.
- Available in 40, 60, 80 & 100mm Footprints.



Specifications					
Part Number	METRIC	TSD-409C	TSD-609C	TSD-809C	TSD-1009C
		TSD-409S	TSD-609S	TSD-809S	TSD-1009S
Stage Size (mm)		$\phi 40$	$\phi 60$	$\phi 80$	$\phi 98$
Detail		KSP-406M,TSD-403, TSD-402C	KSP-606M,TSD-603, TSD-602C	KSPA-806M,TSD-803, TSD-802C	KSPA-986M,TSD-1003, TSD-1002C
		KSP-406M,TSD-403, TSD-402S	KSP-606M,TSD-603, TSD-602S	KSPA-806M,TSD-803, TSD-802S	KSPA-986M,TSD-1003, TSD-1002S
Axes of Travel		XYZ $\theta$ axis			
Travel (mm)		X axis : $\pm 6.5$ Z axis : $\pm 3$	X axis : $\pm 6.5$ Z axis : $\pm 5$	X axis : $\pm 12.5$ Z axis : $\pm 5$	X axis : $\pm 12.5$ Z axis : $\pm 10$
Travel ( $^{\circ}$ )		Coarse:360 $^{\circ}$ Fine: $\pm 5^{\circ}$	Coarse:360 $^{\circ}$ Fine: $\pm 5^{\circ}$	Coarse:360 $^{\circ}$ Fine: $\pm 5^{\circ}$	Coarse:360 $^{\circ}$ Fine: $\pm 5^{\circ}$
Load Capacity (N)		49(5.0kgf)	68.6(7.0kgf)	58.8(6.0kgf)	68.6(7.0kgf)
Max. Moment Capacity/Pitch (N · m)		0.3	0.4	1	1
Max. Moment Capacity/Roll (N · m)		0.3	0.4	1	1
Moment Stiffness/Pitch (N · cm)		4	2	1.51	1.27
Moment Stiffness/Yaw (N · cm)		4	2	1.51	1.27
Primary Material		Steel Brass	Steel Brass	Steel Brass Aluminium	Steel Brass Aluminium
Finish		Super black chrom	Super black chrom	Super black chrome, Black anodized	Super black chrome, Black anodized
Weight (kg)		0.85	2.5	3.1	6.8