

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,  $\theta$ -rotation coarse/fine-adjustment stage,  $\alpha$ -axis compact goniometer.
- Stages with part numbers ending in "DC" have center-driven XY axis micrometer heads. Stages with part numbers ending in "DS" have a side-driven micrometer heads.
- Available in 40mm & 60mm Footprints



Specifications					
Part Number	METRIC	TSD-40DC	TSD-40DS	TSD-60DC	TSD-60DS
Stage Size (mm)		40×40	40×40	60×60	60×60
Detail		SP-123,GOH-40A51,KSP-406M,TSD-403,TSD-402C	SP-123,GOH-40A51,KSP-406M,TSD-403,TSD-402S	GOH-60A115,KSPB-906M,TSD-603,TSD-602C	GOH-60A115,KSPB-906M,TSD-603,TSD-602S
Axes of Travel		XYZ $\theta$ $\alpha$ axis			
Travel (mm)		X axis : $\pm 6.5$ Z axis : $\pm 3$	X axis : $\pm 6.5$ Z axis : $\pm 3$	X axis : $\pm 6.5$ Z axis : $\pm 3$	X axis : $\pm 6.5$ Z axis : $\pm 3$
Travel (°)		Coarse:360° Fine: $\pm 5^\circ$	Coarse:360° Fine: $\pm 5^\circ$	Coarse:360° Fine: $\pm 5^\circ$	Coarse:360° Fine: $\pm 5^\circ$
Angle Range (°)		$\pm 15$	$\pm 15$	$\pm 10$	$\pm 10$
Rotation Center Height (mm)		51	51	115	115
Load Capacity (N)		49(5.0kgf)	49(5.0kgf)	98(10.0kgf)	98(10.0kgf)
Moment Stiffness / Roll (N · cm)		4.6	4.6	1.5	1.5
Primary Material		Steel · Brass			
Finish		Super black chrome			
Weight (kg)		1.03	1.03	4.03	4.03