



Product Presentation Manual Stages

Manual Stages

Catalog Code	Part Number / Product Name	Products image	Stage size etc.
7001 7003 7117 7005 7517 etc. 	TSD/TSDT/ TSDH/TSDS /TADC Steel Extended Contact Translation Stages		25x25 – 120x120mm Long travel type X, XY, Z, XZ, XYZ axis All combinations TSD, TSDT: Steel • Super black chrome TSDH:SUS440C quench hardened, Electrodes nickel TSDS: Stainless steel, Finish: None TADC: Aluminum, Black anodized
Features 1) High Precision 2)High Accuracy 3) High Stiffness 4) High Durability 5)Low profile *Original products *Suitable for a wide range of R&D and industrial application.			

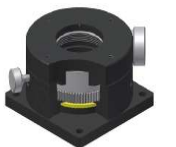
Catalog Code	Part Number / Product Name	Products image	Feature	Stage Size, Material etc.
7011 etc.	TAM/TAMC Aluminum Crossed Roller Translation Stages		*Aluminum *Lightweight *High Precision *Crossed roller	40x40 – 120x120 mm Long travel type X, XY, Z, XZ, XYZ axis All combinations Aluminum, Black Anodized
7019 7201 7051 7203 7082	TASB Preset Dovetail Translation Stages		*Dovetail method *Compact, minimal protrusion *Small footprint, ideal for system integration *Lockable	15x15 - 65x65 mm X, XY, Z, XZ, XYZ axis Brass, Black matte

Guide Method	Extended Contact Ball Bearing Guide		Crossed Roller Guide	Dovetail Slide Method
Part Number	TSD/TSDH/TSDT/TSDS	TADC	TAM, TAMC	TASB/TAR
Primary Material	Steel / Stainless steel	Aluminum	Aluminum	Brass
Structure				
Stage Thickness	◎	○	○	△
Stiffness	◎	○	○	○
Travel Accuracy	◎	○	○	△
Resolution	◎	◎	◎	△
Weight	△	◎	◎	○

Rotation Stages

Catalog Code	Part Number / Product Name	Products image	Stage size etc.
7086 7088 7090 7087 	KSP/KSPA/ KSPS Rotation Stages		φ25 - 98mm KSP : Brass • Super Black Chrome KSPS : Stainless Steel KSPA : Aluminum • Black anodized
		Features	
		*High stiffness *High resolution, coarse adjustment of 360° and fine adjustment ($\pm 5^\circ$)	

Catalog Code	Part Number / Product Name	Products image	Feature	Stage Size, Material etc.
7091	KSPB Rotation stages with large Aperture		*High precision and high stiffness. *Crossed roller bearing *Coarse: 360° , Fine: $\pm 5^\circ$	φ90 - 160mm Brass, Super black chrome
7085	KSPT Ultrathin Rotation Stage with Central Aperture		*Extended Contact Ball Bearing Guide *Central aperture, square type	40x40, 60x60mm

Guide Method	Lapping	Crossed Roller	Extended Contact Ball Bearing Guide	Lapping (partly crossed roller)	Dovetail Slide Method
Part Number	KSP/KSPA/KSPS	KSPB	KSPT	KSW	KSSA
Primary Material	Brass / Stainless steel	Brass	Steel	Brass (part Aluminum)	Brass
Structure					
Stage Thickness	○	○	◎	△	△
Rigidity	○	◎	○	○ (Aluminum is △)	○
Travel Accuracy	○	◎	◎	○	◎
Coarse Rotation Range	360°	360°	$\pm 10^\circ$	360°	$\pm 3 - \pm 5^\circ$ (depending on the stage)
Resolution	○	◎	◎	○	△
Weight	◎	○	◎	◎	○

Goniometer Stages

Catalog Code	Part Number / Product Name	Products image	Stage size etc.
7092 7093 7104 7105 7144 7145 7146 7147 7148 7139 7140	GOHT/ GOHTA Extended Contact Ball Slide Goniometers		GOHT : 40x40 – 65x65 mm GOHTA : 120x120 mm GOHT:SUS440C quench hardened • Electro less nickel Super black chrome (Only) GOHTA: Aluminum, Black Anodized *Use with precision alignment pins for ease of assembly
		Features 1) High Precision 2) High Load Capacity 3) High Stiffness 4) High Durability *Rotation center displacement < $\phi 0.007\text{mm}$, Disc clamp offers superior stability *Micrometer driven type available *Original products *Stepping motor version also available	

Catalog Code	Part Number / Product Name	Products image	Feature	Stage Size, Material etc.
7096 7097 7098 7100 7106 7108 7149 7150 7151	GOH Goniometers		*Value price *Dovetail slide method	15x15 – 65x65mm Brass, Super black chrome

Guide Method			Extended Contact Ball Bearing Guide		Dovetail Slide Method	
Part Number			GOHT		GOH	GOHB
Primary Material			SUS440C quench hardened		Brass	Brass
Feeding mechanism			Gear Drive	Micrometer Head	Gear Drive	Screw
Structure						
Stage Size [mm]	15 x 15	METRIC	—	—	○	—
	25 x 25	METRIC	—	—	○	—
	40 x 40	METRIC	○	—	○	○
		INCH	○	—	○	—
	60 x 60	METRIC	○	—	○	○
	65 x 65	METRIC	○	—	○	—
		INCH	○	—	○	—
	120 x 120	METRIC	—	○	—	—
Features			Unique product High precision Ideal for frequent operations		Low price Cost effective	Cost effective Ideal for permanent fixation High durability
Load Capacity			◎	△	○	△
Rigidity			◎	◎	○	○
Travel Accuracy			◎	◎	○	○
Resolution			○	◎	○	◎
Weight			○	○	○	○