

# Fine-pitch Screw Adjusters | FPSA

RoHS

These adjusters are direct replacements for micrometers used on OptoSigma stages. The knob-less design saves space and prevents inadvertent operation.

- The screw bushing can be lock with the clamp screw.
- The flat-type tip is compatible with OptoSigma manual stages and holders.
- The knobbed KCL hex wrench or other customer supplied hex wrench can be used.



## Guide

- ▶ These FPSA can be purchased preassembled onto a stage. Please contact our Sales Division for more information.

## Attention

- ▶ The flat type-tip works best against spheres and the R-Type works best pushing against flats.



Example of combination with stage

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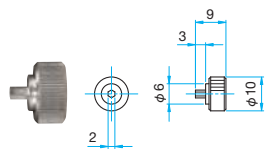
Remote

PKA

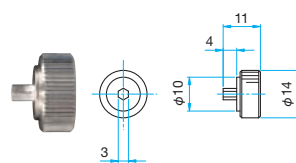
ACT

## Hex Wrench with Knob

KCL-203



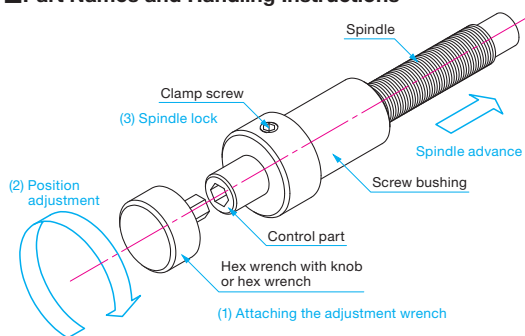
KCL-304



## Specifications

Part Number	Compatible Products
KCL-203	FPSA-42525(R)
KCL-304	FPSA-62540(R)/FPSA-62550(R)/FPSA-62555(R)

## Part Names and Handling Instructions



- (1) Attaching the adjustment wrench**  
Attach the hex wrench or hex wrench with knob.
- (2) Position adjustment**  
Adjust the position by turning the wrench.
- (3) Spindle lock**  
Lock the spindle with the clamp screw.

## Hex wrench used

Part Number	FPSA-42525(R)	FPSA-62540(R)/62550(R)/62555(R)
Control Part	Wrench size for adjustment: B=2	Wrench size for adjustment: B=3
Clamp Lock	Wrench size for clamp: B=1.5mm	



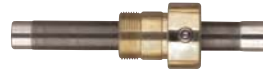
Length 25mm



Length 40mm



Length 50mm

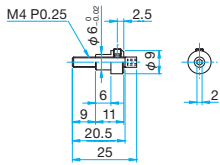


Length 55mm

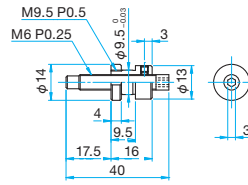


**Tip Shape/Flat Type**

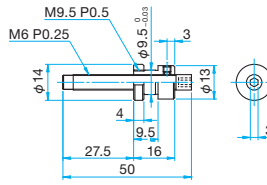
**FPSA-42525**



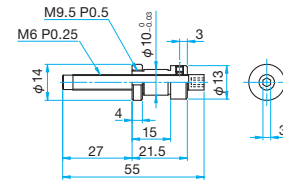
**FPSA-62540**



**FPSA-62550**



**FPSA-62555**

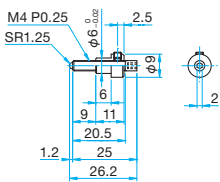


**Specifications**

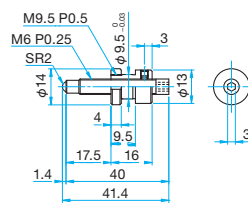
Part Number	Screw	Pitch [mm]	Length [mm]	Bush Diameter [mm]	Bush Length [mm]	Load Capacity (Static load) [N]	Weight [kg]
<b>FPSA-42525</b>	M4	0.25	25	6.0	6.0	29.4 (3kgf)	0.005
<b>FPSA-62540</b>	M6	0.25	40	9.5	5.5	39.2 (4kgf)	0.019
<b>FPSA-62550</b>	M6	0.25	50	9.5	5.5	39.2 (4kgf)	0.021
<b>FPSA-62555</b>	M6	0.25	55	10.0	11.0	39.2 (4kgf)	0.025

**Tip Shape/R Type**

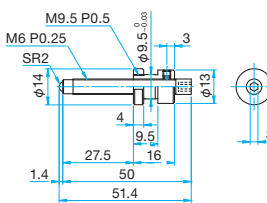
**FPSA-42525R**



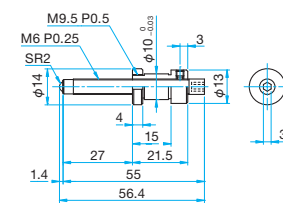
**FPSA-62540R**



**FPSA-62550R**



**FPSA-62555R**



**Specifications**

Part Number	Screw	Pitch [mm]	Length [mm]	Bush Diameter [mm]	Bush Length [mm]	Load Capacity (Static load) [N]	Weight [kg]
<b>FPSA-42525R</b>	M4	0.25	26.2	6.0	6.0	29.4 (3kgf)	0.005
<b>FPSA-62540R</b>	M6	0.25	41.4	9.5	5.5	39.2 (4kgf)	0.019
<b>FPSA-62550R</b>	M6	0.25	51.4	9.5	5.5	39.2 (4kgf)	0.021
<b>FPSA-62555R</b>	M6	0.25	56.4	10.0	11.0	39.2 (4kgf)	0.025

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