SK Series Stainless Steel Manual Linear Stages, 13/25 mm Travel, ≤2 µm

Model SK Series · waveqvanta.com/products/sk-series-stainless-steel-manual-linear-stages

304 stainless steel crossed-roller linear stages with screw or micrometer drive for precise manual adjustment.



SK series manual linear stages are made of 304 stainless steel and run on precision crossed-roller guides, giving a sensitivity of 2 µm or better with smooth, runout-free motion. They suit general high-precision manual adjustment where load capacity and motion accuracy matter, and can also be used in vacuum. Each model is available with a fine-tuning screw (standard) or micrometer drive.

Key features

- Sensitivity ≤2 µm
- 304 stainless steel body, sandblasted, for stability and corrosion resistance; usable in vacuum
- Precision crossed-roller guide for sensitivity and straightness
- Fine-tuning screw drive as standard, micrometer drive with A suffix (0.01 mm reading)
- Drive at center, right or left, or center and vertical (C, SR, SL, CZ)
- Horizontal load 5–7 kg in compact 40 × 40 to 65 × 65 mm formats

Specifications

Travel Range	13 mm (SK13); 25 mm (SK25)
Stage Surface Size	40 × 40, 60 × 60 or 65 × 65 mm
Thickness	19.5–23 mm
Guide Mechanism	Crossed-roller guide
Drive Type	Fine-tuning screw (standard); micrometer (A)
Drive Location (xx)	C: center; SR: right; SL: left; CZ: center and vertical
Sensitivity	≤2 µm
Micrometer Minimum Reading	0.01 mm
Straightness	≤3 µm (SK13(A)-40); 6 µm (SK13(A)-60); 7 µm (SK25(A)-65)
Horizontal Load Capacity	5–7 kg
Vertical Load Capacity	1.5–2.5 kg
Weight	0.28–0.86 kg
Body Material and Finish	304 stainless steel, sandblasted

Model overview

Model	Travel (mm)	Stage Size (mm)	Thickness (mm)	Straightness (µm)	Horizontal Load (kg)	Vertical Load (kg)	Weight (kg)
SK13(A)-40(xx)	13	40 × 40	19.5	≤3	5	1.5	0.28
SK13(A)-60(xx)	13	60 × 60	20	6	6	2	0.5
SK25(A)-65(xx)	25	65 × 65	23	7	7	2.5	0.86

Typical applications

- High-precision manual adjustment of optics
- Fiber and laser component positioning
- Manual positioning in vacuum setups
- General laboratory optical setups