

SLC-2460 - Linear Piezo Stage

With dimensions of 60 x 24 x 10.5 mm, the SLC-2460 offers a travel range of 35 mm and a normal force of 30 N.

Please note that the downloadable documents for this linear piezo stage show the dimensions and specifications of an SLC-2460 for atmospheric or HV environments, equipped with an S-position sensor. For technical drawings and detailed specifications of other variants, such as UHV compatible stages, stages with higher blocking force or other sensor options, please contact our sales team.

A high-performance closed-loop cryogenic variant is also available.
Travel range: 35 mm Length: 60 mm Weight: 72 g

	Mechanical
Scan Range [µm]	> 1.3
Travel [mm]	35
Blocking Force [N]	≥ 3.5
Max. Normal Force [N]	30
Max. Lift Force [N]	1.5
Dimensions [mm]	60 x 24 x 10.5
Weight [g]	72
	Open-loop
Velocity [mm/s]	> 20
Open-Loop Resolution MCS2 [nm]	< 1
Open-Loop Resolution (H)CU [nm]	< 50
	Closed-Loop
Sensor Resolution MCS2 [nm]	1 (S), 4 (L)
Sensor Resolution (H)CU [nm]	100 (L)
Uni-Directional Repeatability MCS2 [nm]	± 40 (S,L)
Uni-Directional Repeatability (H)CU [nm]	± 200 (L)

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	Options
Material Options	Aluminum base as standard; Steel base (-ST); Titanium base (-TI); Black anodized (-BK)
Mechanical Options	U-shaped base for higher mechanical strength (-W): width is 6 mm larger; cage-creep-free guideways (-Z)
Performance Options	Higher blocking force (-D): +1.5 N
Cryogenic Option	Yes
Vacuum Options	HV (1E-6 mbar); UHV (1E-11 mbar)
Non-Magnetic Option	Yes. Changes of the slide hole pattern apply: all threaded holes

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