



SLS-5252 - Modular Linear Stage

Linear stages of the SLS Series were consistently designed to allow for easy integration into multi-axis systems: Their mounting hole pattern is perfectly matched to mount linear other stages of the SLS, MLS and DLS Series as well as our rotation stages and goniometers. They are the perfect option when modularity and easy configuration are the top level requirements. The smallest of the SLS-52 linear stages offer a footprint of 52 x 52 mm², a travel range of 31 mm and an aperture of 9 mm in diameter. Furthermore it is able to handle payloads of up to 20 N.

	Mechanical
Travel [mm]	31
Blocking Force [N]	≥ 3.5
Max. Normal Force [N]	20
Max. Lift Force [N]	> 1.0
Dimensions [mm]	52 x 52 x 14
Weight [g]	90
	Open-loop
Velocity [mm/s]	> 20
Resolution [nm]	< 1
	Closed-Loop
Closed-Loop Resolution MCS2 [nm]	1 (S), 4 (L)
Closed-Loop Repeatability, Full Stroke MCS2 [nm]	±50, ±100
Closed-Loop Resolution (H)CU [nm]	4 (L)
Closed-Loop Repeatability, Full Stroke (H)CU [nm]	±1000 (L)
	Options
Material Options	Aluminum base as standard; Steel base (-ST); Titanium base (-TI); Black anodized (-BK)
Vacuum Options	HV (1E-6 mbar); UHV / UHVT (1E-11 mbar)
Non-Magnetic Option	Yes (-NM)