



SMARPOD P-SLL

The SMARPOD P-SLL is based on SLC stages for the movement in the Y direction and a SLL stage in the X direction. Due to this specific combination of different linear stages, the P-SLL offers an extremely large travel range in the X direction of up to 1200 mm while maintaining a small footprint in the Y direction. It is also available as high vacuum compatible version. The SMARPOD P-SLL utilizes three carriages of the SLL-Series to realize long travel ranges.

	Mechanical
Travel [mm]	20 ... 1200 (X); 45 ... 119 (Y); ≤ 16 (Z)
Travel [°]	≤ 42 (Θx); ≤ 33 (Θy); ≤ 42 (Θz)
Max. Normal Force [N]	10
Max. Horizontal Force [N]	5
Dimensions [mm]	> 250 x 93
Height of Platform above Ground [mm]	67.5
Weight [g]	300 ... 2000
	Closed-Loop
Sensor Types	S; SC
Smallest Increment [nm]	1
Smallest Increment [μrad]	1
Closed-Loop Repeatability, Full Stroke MCS2 [nm]	< ± 200
Closed-Loop Repeatability, 1 mm Travel MCS2 [nm]	< ± 10
Closed-Loop Repeatability, Full Stroke MCS2 [μrad]	< ± 15
	Options
Vacuum Options	HV (1E-6 mbar)
Non-Magnetic Option	--