

SMARPOD P-SLC-17

The **SMAR**POD P-SLC-17 can handle payloads of up to 5 N. It is based on a different mechanism than the circular **SMAR** PODS. With nearly the same size, the P-SLC-17 offers a much larger travel of 50 mm in X-direction.

Values for rotational travel are given for a pivot point at the surface of the top plate.

The overall dimensions of the complete system may be larger for different poses. For more information, see the CAD model in the download area.

The repeatability is measured about 20 mm above the top plate of each system, over the full travel range and for a single degree of freedom at a time. Values may be better for shorter travel ranges.

For other sizes and travels, please feel free to contact us anytime.

This mid-size **SMAR**POD is based on SLC-17 stages in a parallel orientation offering a travel of 50 mm in X-direction.

	Mechanical
Travel [mm]	50 (X); 30 (Y); 10 (Z)
Travel [°]	25 (Θx); 22 (Θy); 16 (Θz)
Max. Normal Force [N]	5
Max. Horizontal Force [N]	2.5
Dimensions [mm]	110 x 70
Dimensions Base Plate [mm]	110 x 70
Height of Platform above Ground [mm]	67.4
Weight [g]	680
	Closed-Loop
Sensor Types	SC
Smallest Increment [nm]	1
Smallest Increment [µ°]	3
Uni-Directional Repeatability MCS2 [nm]	± 50
	Options

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Vacuum Options	HV (1E-6 mbar); UHV (1E-11 mbar)
Non-Magnetic Option	Yes (-NM)

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