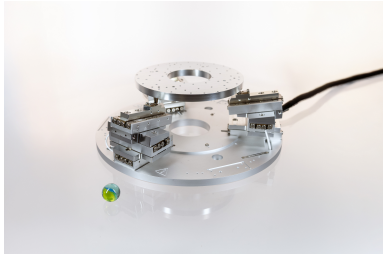

SMARPOD 225.75 High-Load

The **SMAR**POD 225.75 High-Load is able to handle payloads of up to 40 N. It is one of the larger SmarAct **SMAR**POD's, offering a travel range of 42 mm in X- and Y- and 7 mm in Z-direction. As an option, the base plate can be equipped with mounting posts for placing tools, sensors or other components close to the moving platform of the **SMAR**POD.

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.

[nbsp]

The **SMAR**POD 225.75 High-Load is especially desgined for higher payloads up to 40N.

	Mechanical
Travel [mm]	42 (X); 42 (Y); 7 (Z)
Travel [°]	7 (Θx); 8 (Θy); 41 (Θz)
Max. Normal Force [N]	40
Max. Horizontal Force [N]	2.5
Dimensions Base Plate [mm]	Ø 225
Height of Platform above Ground [mm]	75
Weight [g]	2060
	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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