

Precision XYZ Manipulators DN40/63CF: 623-PXYZ-xxx-C40-63

Precision XYZ manipulators with a bellows ID of 65mm and a travel from 50mm to 600mm are offered by Allectra. An X-Y travel of 12.5mm combined with a bellow ID of 65mm allow the use in complex applications. Larger top and bottom flanges are available as options. Please note: This design uses on top a tube diameter of 40mm. If a free ID of 66mm is required, please ask for the 63CF manipulator version.

	50mm	100mm	150mm	200mm
Top flange	DN40CF metric tapped DN63CF metric tapped optional			
Base flange	DN63CF DN100CF with 6x 16CF optional			
Vacuum	UHV Leak rate $<1 \times 10^{-10}$ mbar l/s			
Max. Bakeout	230°C			
Free ID	40mm (top to bellows) / 65mm			
X-Y travel (mm)	+/-12.5mm (circle)			
Drive	Micrometer (X,Y), Handwheel (Z)			
Readout	10 μ m (X,Y,Z)			
A min (mm)	224	224	234	244
A max (mm)	274	324	384	444
B (mm)	343	393	453	513

For dimensions of the sizes with 250mm to 600mm travel please ask the sales office.

Available options:

- Top flange DN63CF tapped (ID 40mm)
- Base flange DN100CF with 6x 16CF
- Stepper motor for Z-axis
- Stepper motors for all axis
- Limit switches for all axis, standard or bakeable

Please ask for a quote for your desired version.

