

Technical Specifications

IB-C80-HV	
Aperture size	Maximum: 80 mm x 80 mm Minimum: Full overlap
Resolution	1 micron per full step
Repeatability	< 2 micron
Accuracy	± 10 micron over full range ± 1 micron or better with encoders
Vacuum	O-ring sealed, high vacuum 10-5 mbar, low outgassing materials
Mechanical dimension	341 mm x 341 mm x 118 mm 268 mm x 268 mm x 114 mm (housing only)
Mechanical connections	M6-threaded holes on the sides as shown on the drawing. LF-160 flange connections are provided on the body of both sides of the slit
Limit switches (end-of-travel)	Included as standard on all motions
Weight	≈ 12 kg
Outer surface	Anodized aluminum in color nature
Guiding	High precision internal rails and carriages
Electrical connections	Microswitches coupled to 2 motor connectors (SUB-D 15 pins male)
Motors	2 phase stepping motors