

Pneumatic Parallel Grippers

MP-SWIVEL 2-Finger

MP-Swivel is a pneumatic clamping unit that allows the clamping of small components during assembling or light processes. The machining or assembling of parts with several machining axes, with conventional spindles, involves a repositioning of the piece for each side.

Swivel fingers (4 positions x 90°) enhances the tool performances by eliminating loss of precision and downtime in the productive cycle. With swivel fingers the complete process is performed with a single loading as the rotation and indexing operations always take place with the vise closed and the piece locked.

Advantages

- Precise wedge-hook mechanism allows machining accuracy
- High force drive for secure clamping
- Optimum jaw guides (hardened, sturdy, low-backlash) allow a longer service life
- Air supply via hose-free direct connections or fitting screw connections



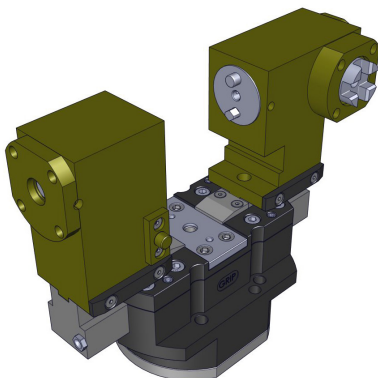
SPECIFICATIONS

Model	Stroke per jaw	Closing force per jaw	Total closing force	Pressure	Repeatability	Fluid consumption double stroke	Weight
		@ 6 bar	@ 6 bar				
MP 110 S	12.5 mm	715 N	1430 N	6-9 bar	±0.01 mm	125.13 cm ³	8.40 Kg
	0.49 in	160.74 lb	321.48 lb	87-130 psi	±0.0004 in	7.64 in ³	9.70 lb

Ambient Temperature **5 - 60 °C (41 - 140 °F)**

Noise Emission (Sound Pressure) **≤ 70 dB(A) in any direction or notification.**

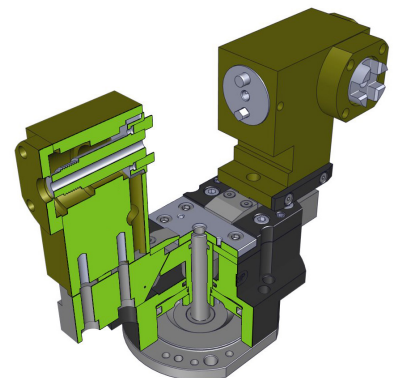
SECTIONAL DIAGRAM



Guidelines for the selection of a gripper model

Selection of the correct gripper model depends on the workpiece's weight, the friction coefficient between the fingers and the workpiece and the required motion of the application.

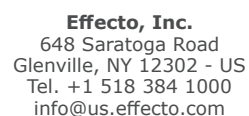
Due to inertial forces associated with motion, we recommend that the holding force of the gripper model should be from 10 to 20 times the workpiece's weight. If the application presents high acceleration/deceleration or impacts during the motion, then a further safety margin should be considered.



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**** All dimensions are descriptive and subject to variation for technical upgrading. We reserve the right to make variations without prior notification.**



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