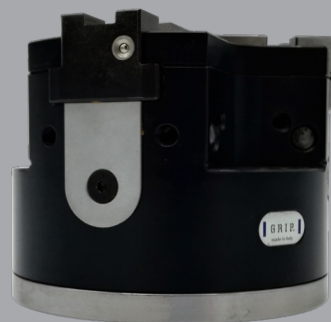


Self-centering vise M 3-Jaws

M is a hydraulically or pneumatically actuated 3-jaw self-centering vise with high flexibility, accuracy and long life.

Advantages

- Lever mechanism allows extended clamping range
- High force drive for secure clamping
- Optimum jaw guides (hardened, sturdy, low-backlash) allow high clamping forces and a long service life
- Lean outer contour for optimal accessibility of the machine spindle to the workpiece
- Optimized lubrication system for consistently high clamping forces and long life
- Base jaws with grooves for tongues
- All functional parts are hardened and ground to ensure a high repeatability



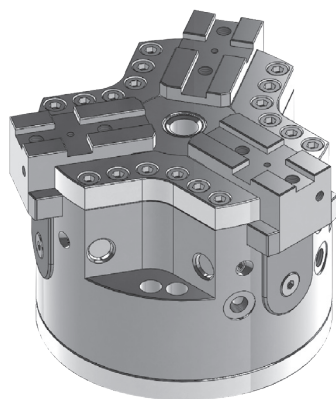
SPECIFICATIONS

Model	Stroke per jaw	Closing force per jaw @ max pressure	Total closing force @ max pressure	Pressure	Repeatability	Fluid consumption double stroke	Weight
M 113	6 mm 0.24 in	4153 N 933.57 lb	12459 N 2801.03 lb	6-30 bar 87-435 psi	±0.01 mm ±0.0004 in	109 cm ³ 6.65 in ³	5.5 kg 12.13 lb
M 143	8 mm 0.31 in	6419 N 1443.01 lb	19257 N 4329.36 lb	6-30 bar 87-435 psi	±0.01 mm ±0.0004 in	225 cm ³ 13.73 in ³	10.2 kg 22.49 lb
M 173	9 mm 0.35 in	9980 N 2243.65 lb	29940 N 6731.11 lb	6-30 bar 87-435 psi	±0.01 mm ±0.0004 in	393 cm ³ 23.98 in ³	20 kg 44.09 lb

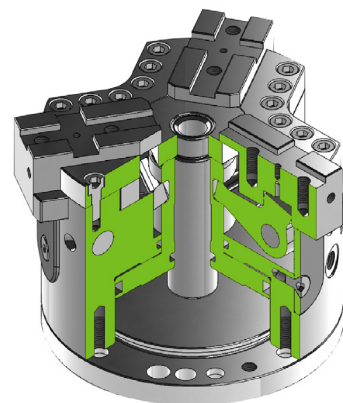
Ambient Temperature **5 - 60 °C (41 - 140 °F)**

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

SECTIONAL DIAGRAM

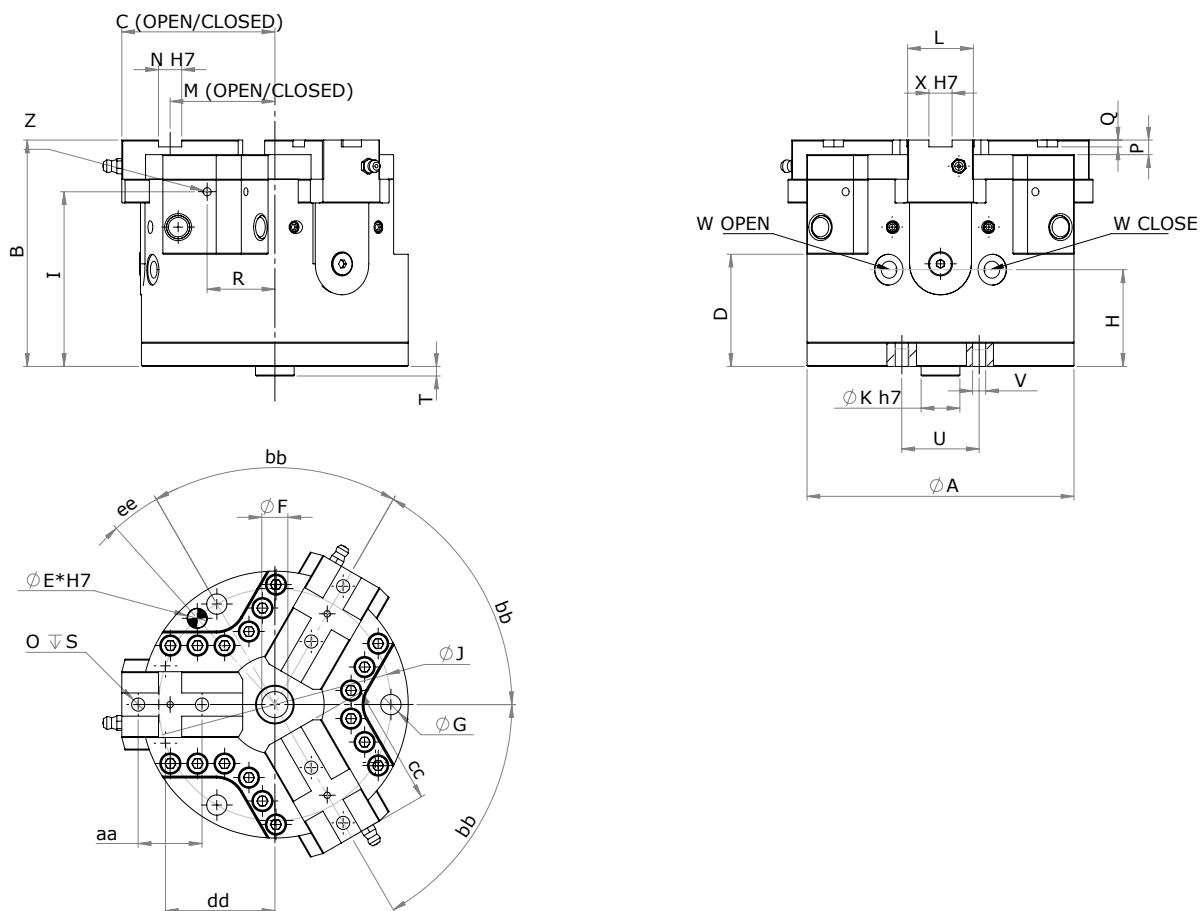


For a better operation of the vise
please consider the distance between the clamping point
and the top surface of the jaws.



PRODUCT INFORMATION

M 3-Jaws



* Finished holes on request

	A	B	C open	C closed	D	E	F	G	H	I	J	K	L	M open	M close	N	O
M 113	112.00 (4.41)	91.00 (3.58)	63.00 (2.48)	57.00 (2.24)	45.00 (1.77)	8 (0.31)	8.00 (0.31)	8.50 (0.33)	41.50 (1.63)	60.00 (2.36)	95.00 (3.74)	16.00 (0.63)	26.00 (1.02)	43.50 (1.71)	37.50 (1.48)	10.00 (0.39)	M8
M 143	138.00 (5.43)	117.00 (4.61)"	79.15 (3.12)	71.15 (2.80)	58.00 (2.28)	10 (0.39)	13.50 (0.53)	10.50 (0.41)	50.00 (1.97)	90.50 (3.56)	120.00 (4.72)	20.00 (0.79)	34.00 (1.34)	"54.15 (2.13)	46.15 (1.82)	12.00 (0.47)	M8
M 173	168.00 (6.61)	138.00 (5.43)	92.00 (3.62)	81.00 (3.19)	68.00 (2.68)	10 (0.39)	19.00 (0.75)	11.00 (0.43)	67.00 (2.64)	107.80 (4.24)	145.00 (5.71)	25.00 (0.98)	40.00 (1.57)	61.00 (2.40)	52.00 (2.05)	16.00 (0.63)	M10

	P	Q	R	S	T	U	V	W open	W closed	X	Z	aa	bb	cc	dd	ee
M 113	6.00 (0.24)	3.50 (0.14)	32.50 (1.28)	13.00 (0.51)	5.20 (0.20)	32.00 (1.26)	M5	G1/8	G1/8	10.00 (0.39)	M5	25.00 (0.98)	60°	50.00 (1.97)	44.00 (1.73)	12°
M 143	7.50 (0.30)	3.50 (0.14)	35.00 (1.38)	15.00 (0.59)	5.00 (0.20)	40.00 (1.57)	M8	G1/8	G1/8	12.00 (0.47)	M5	33.00 (1.30)	60°	62.50 (2.46)	56.50 (2.22)	12°
M 173	8.80 (0.35)	4.00 (0.16)	53.50 (2.11)	17.00 (0.67)	4.50 (0.18)	49.00 (1.93)	M8	G1/4	G1/4	16.00 (0.63)	M5	40.00 (1.57)	60°	73.00 (2.87)	68.00 (2.68)	12°

* Dimensions are in millimeters (inches).

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



Applied Robotics
648 Saratoga Road
Glenville, NY 12302 USA
Tel. +1 518 384 1000 Fax +1.5183841200
info@appliedrobotics.com
www.appliedrobotics.com



EFFECTO GROUP S.p.A.
Via Roma, 141/143
28017 San Maurizio d'Opaglio (NO) - Italy
Tel. +39 0322 96142 Fax +39 0322 967453
info@effectogroup.com
www.effectogroup.com

