

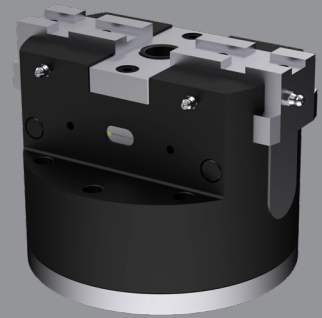
Self-centering vise

M 2-Jaws

M is a hydraulically or pneumatically actuated 2-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



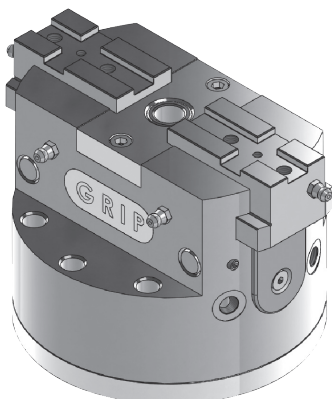
SPECIFICATIONS

Model	Stroke per jaw	Closing force per jaw @ max pressure	Total closing force @ max pressure	Pressure	Repeatability	Fluid consumption double stroke	Weight
M 52	2.5 mm	336 N	671 N	6-9 bar	±0.01 mm	8 cm ³	0.6 kg
	0.10 in	75.43 lb	150.85 lb	87-130 psi	±0.0004 in	0.49 in ³	1.32 lb
M 85	5 mm	1658 N	3317 N	6-12 bar	±0.01 mm	53 cm ³	2 kg
	0.20 in	372.81 lb	745.62 lb	87-174 psi	±0.0004 in	3.23 in ³	4.41 lb
M 110	6 mm	2503 N	5006 N	6-12 bar	±0.01 mm	109 cm ³	4.5 kg
	0.24 in	562.74 lb	1125.47 lb	87-174 psi	±0.0004 in	6.65 in ³	9.92 lb
M 140	8 mm	6437 N	12873 N	6-20 bar	±0.01 mm	225 cm ³	9 kg
	0.31 in	1447.09 lb	2894.18 lb	87-290 psi	±0.0004 in	13.73 in ³	19.84 lb
M 170	9 mm	11114 N	22229 N	6-20 bar	±0.01 mm	393 cm ³	17 kg
	0.35 in	2498.74 lb	4997.48 lb	87-290 psi	±0.0004 in	23.98 in ³	37.48 lb

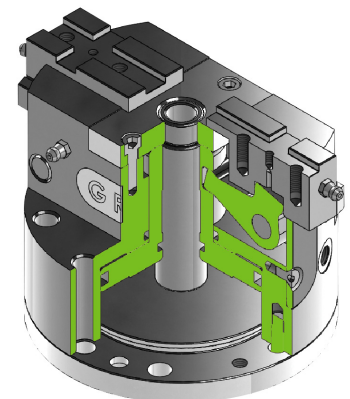
Ambient Temperature **5 - 60 °C (41 - 140 °F)**

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

SECTIONAL DIAGRAM

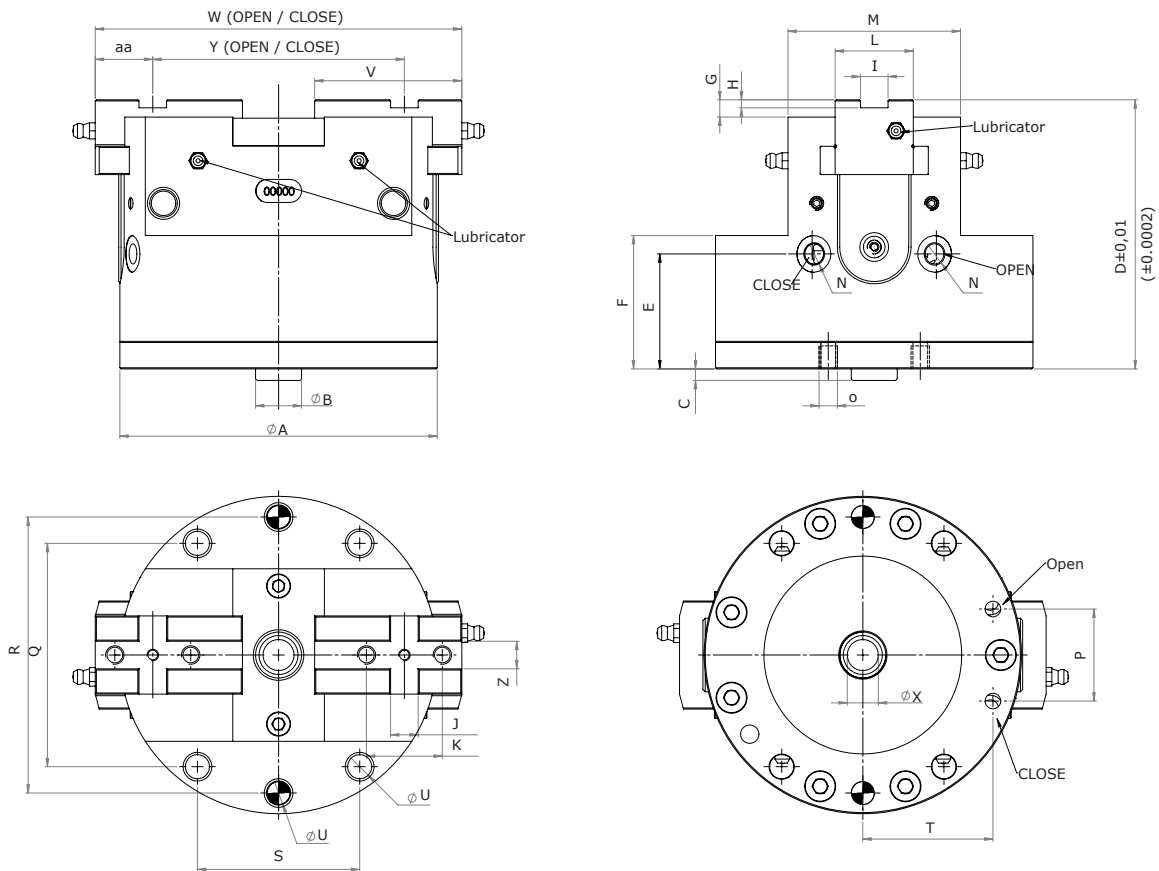


For a better operation of the vise
please consider the distance between the clamping point
and the top surface of the jaws.



PRODUCT INFORMATION

M 2-Jaws



* Finished holes on request

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
M 52	52 (2.05)	8 (0.31)	4 (0.16)	50 (1.97)	28 (1.10)	29.5 (1.16)	3 (0.12)	2 (0.08)	4 (0.16)	4 (0.16)	12 (0.47)	12 (0.47)	29 (1.14)	M5
M 85	85 (3.35)	14 (0.55)	5.5 (0.22)	73 (2.87)	36 (1.42)	40 (1.57)	5 (0.20)	3.5 (0.14)	8 (0.31)	8 (0.31)	20 (0.79)	20 (0.79)	45 (1.77)	M5
M 110	112 (4.41)	16 (0.63)	5.5 (0.22)	91 (3.58)	41.5 (1.63)	45 (1.77)	6 (0.24)	3.5 (0.14)	10 (0.39)	10 (0.39)	25 (0.98)	26 (1.02)	60 (2.36)	1/8" Gas
M 140	138 (5.43)	20 (0.79)	5 (0.20)	117 (4.61)	50 (1.97)	58 (2.28)	7.5 (0.30)	3.5 (0.14)	12 (0.47)	12 (0.47)	33 (1.30)	34 (1.34)	75 (2.95)	1/8" Gas
M 170	168 (6.61)	25 (0.98)	4.5 (0.18)	138 (5.43)	66.5 (2.62)	68 (2.68)	8 (0.31)	4 (0.16)	16 (0.63)	16 (0.63)	40 (1.57)	40 (1.57)	90 (3.54)	1/4" Gas



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	O	P	Q	R	S	T	U	V	W open	W closed	X	Y Open	Y Closed	Z	aa
M 52	M3	17 (0.67)	35.5 (1.40)	44 (1.73)	26 (1.02)	19.5 (0.78)	4 (0.16)	25 (0.98)	57.8 (2.28)	52.5 (2.07)		37.8 (1.49)	32.8 (1.29)	M3	10 (0.39)
M 85	M5	28 (1.10)	58.3 (2.30)	72 (2.83)	42.3 (1.67)	33 (1.30)	6 (0.24)	40 (1.57)	96 (3.78)	86 (3.39)		64 (2.52)	54 (2.13)	M6	16 (0.63)
M 110	M8	32 (1.26)	77 (3.03)	95 (3.74)	56 (2.20)	44 (1.73)	8 (0.31)	50 (1.97)	126 (4.96)	114 (4.49)	8 (0.31)	87 (3.43)	75 (2.95)	M8	19.5 (0.77)
M 140	M8	40 (1.57)	97 (3.82)	120 (4.72)	70.5 (2.78)	56.5 (2.22)	10 (0.39)	63 (2.46)	158 (6.22)	142 (5.59)	13.5 (0.53)	108 (4.25)	92 (3.62)	M8	25 (0.98)
M 170	M8	49 (1.93)	107 (4.21)	145 (5.71)	99 (3.90)	68 (2.68)	10 (0.39)	73 (2.87)	184 (7.24)	166 (6.54)	19 (0.75)	122 (4.80)	104 (4.09)	M10	31 (1.22)

* 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.



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