

SUPER PRECISION MILLING & MACHINING VICES

MILLING MACHINE VICE

One of the most popular vices used in workshops, shop floors etc. Used in milling operations, this vice also has application in jig boring, grinding, shaping etc. The 360° swivel base allows the vice to be set at any angle along the vertical axis.

The vice is indexed horizontally all through 360°. Vice jaws are precision ground which allows the work piece to be held dead square without use of any packing.

This not only improves the efficiency and life of the jaws, but also helps reduce strain on the vice body. Parallelism of the jaws is within 30 microns (0.0012")

PART NO.	VICE SIZE JAW WIDTH MM	MAX. JAW OPENING MM	JAW HEIGHT MM	WT KGS
61511	100	100	38	17.4
61512	150	150	45	38.8



ANGULAR MACHINE VICE

The Angular Machine Vice is ideal for application wherein the work piece requires machining at an angle, which can be easily set through adjustment of the angular slide. The vice is indexed all through vertical 90°. Additionally the fully graduated swivel base allows for full horizontal indexing. The angular slide can be easily set to any desired angle 180° on either side using the "Hold Down" clamps. Graduations on either side of the angular slide add to the convenience for the user.



PART NO.	VICE SIZE JAW WIDTH MM	MAX. JAW OPENING MM	JAW HEIGHT MM	WT KGS
61501	75	75	34	9.4
61502	100	100	38	17
61503	125	125	52	32
61504	150	150	52	38

THREE WAY TILTING VICES

This vice provides for 3 axis setting of the work piece required in special milling, drilling, grinding, shaping and jig boring applications. Vice has 2 angular slides which allow the work piece to be set to any desired angle. Vice has 45° tilting range on both sides and 90° vertical indexing.

The 360° swivel base further allows rotation along the vertical axis.

Use of high tensile grade 10.8 fasteners along with specially designed "hold down" clamp which provide full surface contact, ensures rigid positioning of the vice.



PART NO.	VICE SIZE JAW WIDTH MM	MAX. JAW OPENING MM	JAW HEIGHT MM	WT KGS
61521	75	75	34	10.7
61522	100	100	38	20.5
61523	125	125	45	36
61524	150	150	45	54

UNIVERSAL VICES

The most versatile of the machine vices, with all degrees of freedom, allows the work piece to set at any desired compound angle. The low height of the vice makes it an ideal clamping tool for even the most complicated grinding job.

The vice has a fixed horizontal axis which allows the work piece to be rotated at any angle along it. The swivel base allows the rotation of the work piece along the vertical axis and the third angular slide allows any setting in the 3D plane.



PART NO.	VICE SIZE JAW WIDTH MM	MAX. JAW OPENING MM	JAW HEIGHT MM	WT KGS
61531	100	100	38	13.4

SELF CENTRING VICE

This vice finds application in mass production jobs where the work piece is required to be repeatedly placed at the centre for a fixed machine setting. The spindle has opposite threads for quick and accurate centring. Rotation of the handle automatically adjusts the work piece at it's centre. The 360° swivel base allows the vice to be set at any angle along the vertical axis.



PART NO.	VICE SIZE JAW WIDTH MM	MAX. JAW OPENING MM	JAW HEIGHT MM	WT KGS
61540	100	100	38	14.3
61541	125	125	52	26

SINE VICES

High precision one piece vice mounted on to precision hinged bottom plate. Fully hardened and ground jaws can be opened or closed without unbolting from the work table surface. Minute angle step built into the vice allows very small angles to be set with ease using standard gauge blocks. The vice has a range of 0-60°.



PART NO.	VICE SIZE JAW WIDTH MM	MAX. JAW OPENING MM	JAW HEIGHT MM	WT KGS
61586	70	75	40	7

TOOLMAKERS VICE

These solid one-piece vices with all steel construction are fully hardened and ground. Precision grinding on all surfaces makes them an ideal clamping tool for die making and other tool room applications.

A: Screw Type

The spindle has precisely cut square threads for positive clamping. Gun metal bushes reduce wear and tear.

B: Screwless Type

Vice has V grooved jaws for holding round jobs. Rapid positioning notches allow for quick and efficient setting.



PART NO.	TYPE	VICE SIZE JAW WIDTH MM	MAX. JAW OPENING MM	JAW HEIGHT MM	WT KGS
61575	Screw	70	70	40	4.9
61570	Screwless	50	78	25	1.8
61571	Screwless	75	95	35	3.5