

82 ANGULAR MACHINE VICES – SUPER PRECISION

AMV-SP

ESP Mordaza de alta presión FR Étaux orientables 90° DE Präzisions Maschinen-Schraubstöcke

Angular Machine Vices are ideal for applications wherein the workpiece requires machining at an angle

Angular adjustment is achieved via the angular slide that can be set to any desired angle 45° on either sides. Additionally the fully graduated 360° swivel base allows the vice to be set at any angle along the vertical axis

These vices are manufactured from close grained hi tensile seasoned cast iron with fully hardened and ground tool steel jaws

Ergonomically designed all steel handle allows for stress free operation. It is assembled on the spindle crank with a spring loaded mechanism providing positive grip

Use of hi tensile grade 10.8 fasteners provides strength and rigidity to these vices.

Relief in clamp seat ensures complete surface contact as against a line contact between the "Hold Down" clamp and movable slide, thereby providing firm locking at any desired angle

A milled slot in the vice base helps in accurate location of the vice on the machine table using rectangular locating nuts.

"Hold Down" slots allow for secure clamping of the vice on the machine table

Fully hardened (55 ± 3 HRC) and ground tool steel jaws with parallelism within $0.0012''$ (30 microns)

Relief in the clamp seat ensures complete surface contact providing firm locking at any desired angle

Fully graduated 0-90° angular slide on both sides provides easy readability

Accurately ground bearing surface. Flatness within $0.0012''$ (30 microns)



Rotation along 360° swivel base

Rotation along 0-90° vertical scale

Combined rotation along both the horizontal and vertical axes

Ordering Information

Cat. Nr.	Ordering Nr.	Jaw Width		Jaw Opening		Jaw Depth		Net Wt. Each
		Inch	mm	Inch	mm	Inch	mm	
AMV/SP/50	35000	2	50	2	50	1	25	3.500
AMV/SP/75	35001	3	75	3	75	1-5/16	34	9.350
u AMV/SP/100	35002	4	100	4	100	1-1/2	38	17.000
AMV/SP/125	35003	5	125	5	125	1-3/4	45	29.450
u AMV/SP/150	35004	6	150	6	150	1-3/4	45	42.800
l AMV/SP/200	35005	8	200	8	200	2-9/32	58	95.00



The Angular Machine Vice being used for 45° face milling

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