

Технические характеристики

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78 TOOLMAKERS STEEL VICES – SUPER PRECISION

TMV

ESP Etaux de rectification FR Étaux de rectifieur DE Präzisionsspanner

Manufactured from selected tool steel, these solid one piece vices are fully hardened (55-60 HRC) and tempered to ensure stability and durability

All vice surfaces are precision ground

The movable jaw is narrower than the base enabling vices to be used on either sides in addition to the base

Due to their outstanding accuracies, these vices are mainly used in tool manufacturing, on grinding & milling machines, in engraving & jig boring

applications, for measurement and inspection work and in manufacturing processes that require highest standards of clamping accuracy

These are available in two models:

Screwless Type

The rapid positioning notches allow the vice to be locked in any position by means of an allen key provided with the vice

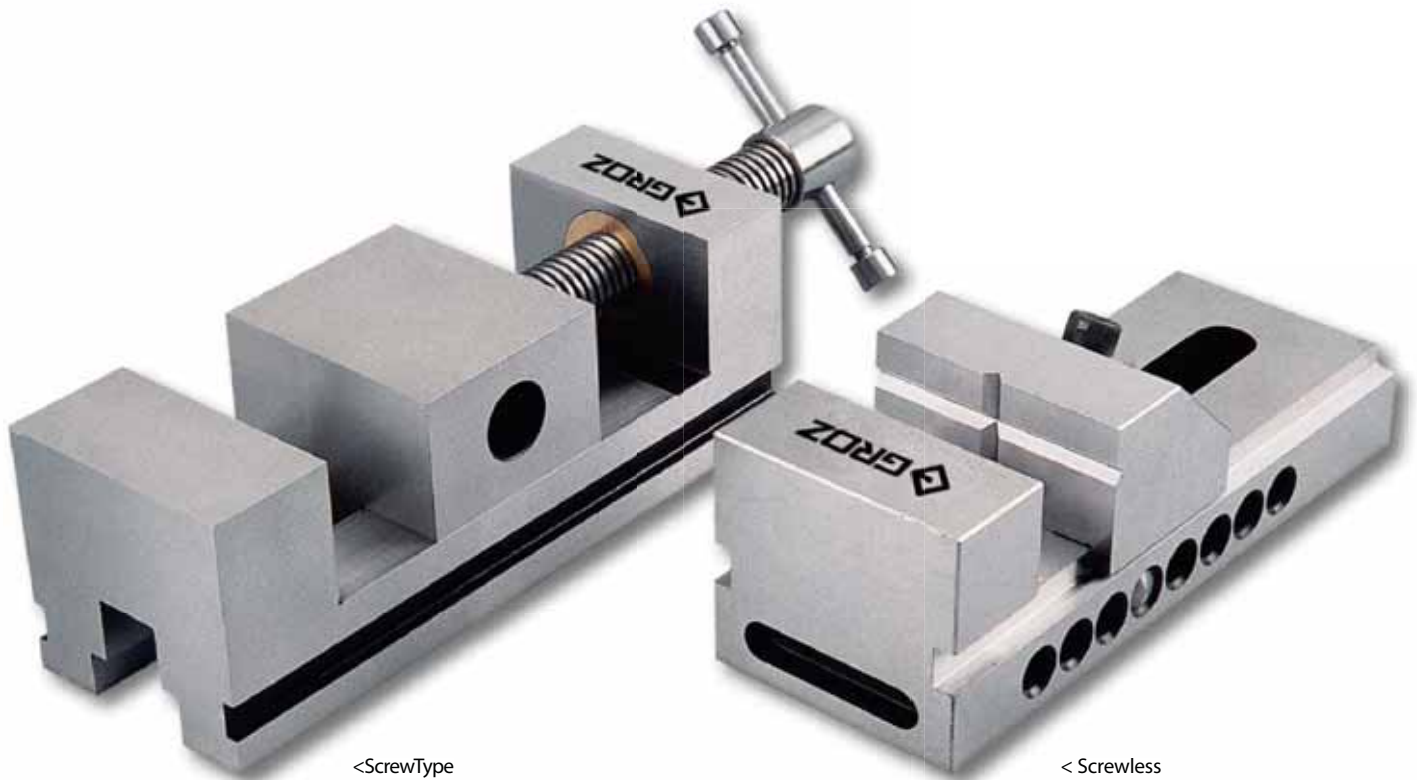
Vee grooves in the sliding jaw, both horizontal and vertical, facilitate holding of round jobs. Jaw

pressure on work piece is forward and downward for repeatable positioning and maximum holding power. These vices are particularly suitable for erosion work

Screw Type

Clamping and releasing is through a threaded spindle with precision cut square threads for smooth operation

Vice spindle moves in a specially designed gun metal bush which reduces wear thus enhancing life of the vice



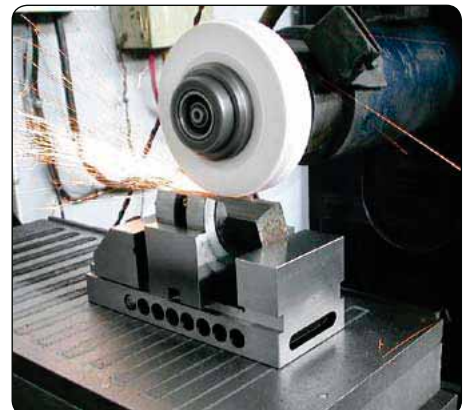
Ordering Information

Cat. Nr.	Ordering Nr.	Jaw Width		Jaw Opening		Jaw Depth		Net Wt. Each Kg.
		Inch	mm	Inch	mm	Inch	mm	
Screwless Type								
TMV/2	35200	2	50	3-17/32	90	1	25	1.800
u TMV/23	35201	3	75	4-5/16	110	1-3/8	35	3.500
Screw Type								
TMV/ST/4	35205	2-3/4	70	3	75	1-9/16	40	4.900

u **BESTSELLER**

Accuracies	Guaranteed		Actual Average	
	Inch	Micron	Inch	Micron
Flatness of bearing surface	0.00031"	8	0.00019"	5
Parallelism of slide face & top face to bottom face	0.00031"	8	0.00019"	5
Squareness of sides & slide faces	0.00047"	12	0.00031"	8
Parallelism of sides & slide ways	0.00031"	8	0.00019"	5
Squareness of fixed jaw back to bottom surface & sides	0.00047"	12	0.00031"	8
Parallelism of fixed jaw & length faces	0.00031"	8	0.00019"	5
Parallelism of jaw faces	0.00031"	8	0.00019"	5
Sliding jaw square to bottom face when vice is clamped	0.00047"	12	0.00031"	8
Sliding jaw face parallel when vice is clamped	0.00031"	8	0.00019"	5

Toolmaker's Vice being used to hold a block of steel during grinding



79 SINE VICES – SUPER PRECISION

ESP Mordaza de alta presión FR Étau sinus de précision DE Präzisions-Sinusspanner

Manufactured from selected tool steel, these solid Sine Vices are fully hardened (55-60 HRC) and tempered, mounted onto a precision hinged bottom plate. All the surfaces of the vice are precisely ground for extreme accuracy

These are very useful for manufacturing processes that require the highest standards of clamping accuracy at desired angles

A minute angle step of 0.2"/5 mm allows very small angles to be set with ease using standard gauge blocks

These are available in two models:

Screw Type
Screwless Type

Determining the height (h) of the Gauge Block to be used

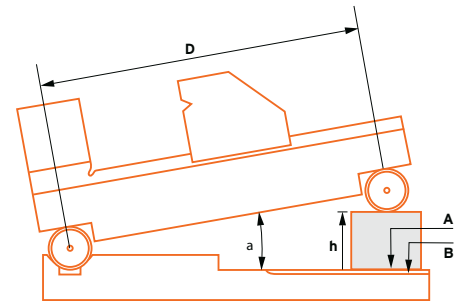
$$h = \sin a \times D \text{ for surface A}$$

$$h = \sin a \times D + 5 \text{ mm} / 0.2" \text{ for surface B}$$

eg: To determine height of gauge block for angle adjustment of 10°, given D = 150 mm:

$$h = \sin 10^\circ \times 150 = 26.04 \text{ mm}$$

Thus for setting on angle of 10°, a gauge block of height 26.04 mm is required



Using Gauge Blocks:

1. Pivot the Sine Vice upwards.
2. Insert gauge block between surface A & the headed dowel
3. Turn back screw so that Sine Vice is pressed against the gauge block & locked positively
4. When adjusting very small angles, place appropriate gauge blocks on surface B which is lower than A by 5mm/0.2"



Ordering Information

Cat. Nr.	Ordering Nr.	Type	Body Dimensions	Jaw Width	Jaw Opening	Jaw Depth	Minute angle step	Center to Center distance	Net Wt. each (Kg.)
SNV/6	35215	Screwless	7.3/32" x 3.1/4" x 3.11/32"	2-3/4"	3-3/4"	1-9/16"	0.2"	6"	5.250
SNV/150	35210	Screwless	180 x 82 x 85 mm	70 mm	95 mm	40 mm	5 mm	150 mm	5.250
SNV/7	35216	Screw type	8" x 2.3/4" x 3.17/32"	2-3/4"	3"	1-9/16"	0.2"	7"	7.00
SNV/175	35211	Screw type	200 x 70 x 90 mm	70 mm	75 mm	40 mm	5 mm	175 mm	7.00

Accuracies	Guaranteed		Actual Average	
	Inch	Micron	Inch	Micron
Flatness of bearing surface	0.00039"	10	0.00019"	5
Parallelism of slide face & top face to bottom face	0.00039"	10	0.00019"	5
Squareness of sides & slide faces	0.00047"	12	0.00031"	8
Parallelism of sides & slide ways	0.00031"	8	0.00019"	5
Square ness of fixed jaw back to bottom surface & sides	0.00047"	12	0.00031"	8
Parallelism of fixed jaw & length faces	0.00031"	8	0.00019"	5
Parallelism of jaw faces	0.00031"	8	0.00019"	5
Sliding jaw square to bottom face when vice is clamped	0.00047"	12	0.00031"	8
Sliding jaw face parallel when vice is clamped	0.00031"	8	0.00019"	5
Center to Center distance	0.00039"	10	0.00019"	5



Sine Vice being used to drill an angled hole on a machine wheel

80 ROTARY HEAD MILLING MACHINE VICES

RHV

ESP Mordaza de alta presión FR Étaux de fraisage modulaire sur base tournante DE Präzisions Maschinen-Schraubstöcke



High Precision Milling Machine Vice with a rotary fixed head

The rotary head has 4 faces each with a different jaw option: **Plain, Vertical V, Horizontal V & Prismatic**

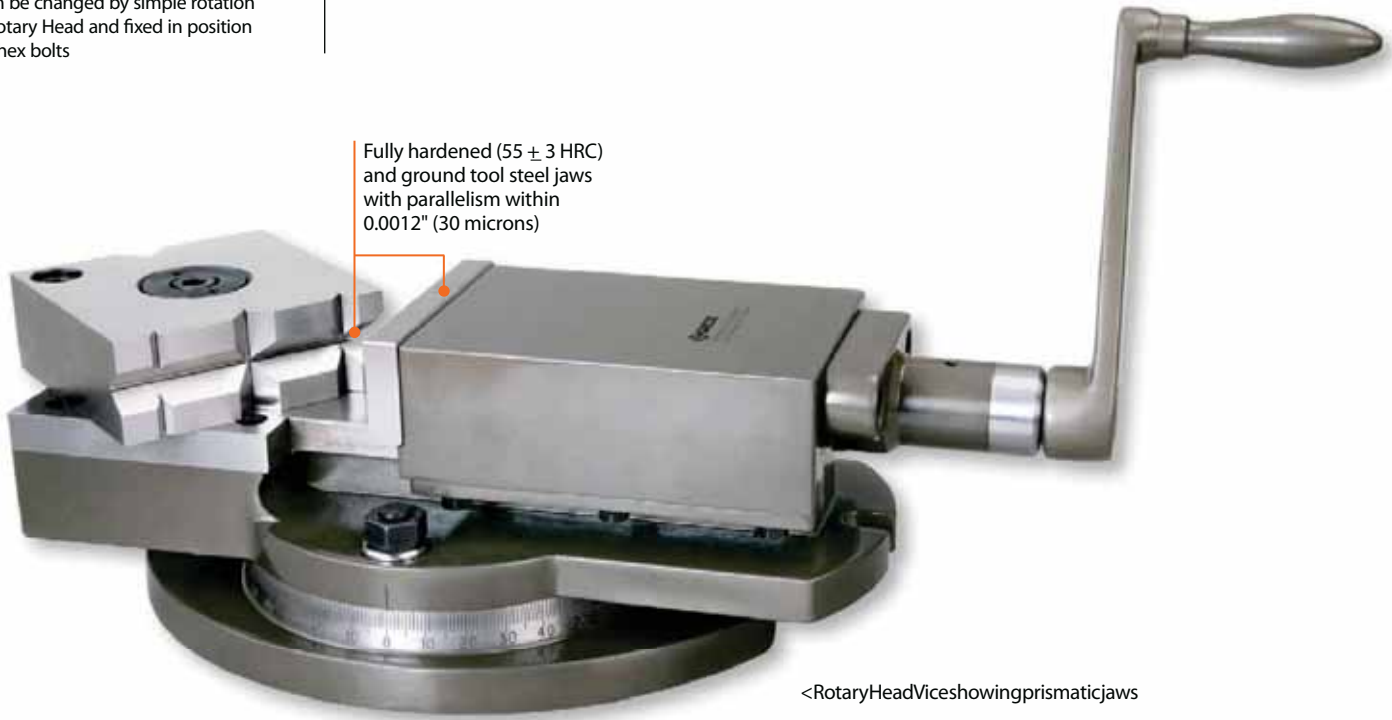
Rotary head design eliminates the possibility of any inaccuracy, which may occur when jaws are replaced.

Jaws can be changed by simple rotation of the Rotary Head and fixed in position using 2 hex bolts

Manufactured from close grained hi-tensile seasoned cast iron, the vice body has a premium polychromatic finish

Vice jaws are made from fully hardened (55 ± 3 HRC) and ground tool steel

Use of high tensile grade 10.8 fasteners provides greater strength and rigidity. The 360° swivel base allows the vice to be set at any angle along the vertical axis



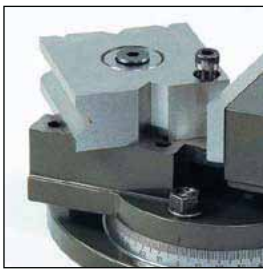
<RotaryHeadViceshowingprismaticjaws

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

PlainJaw



VerticalV



HorizontalV



Prismatic



Ordering Information

Cat. Nr.	Ordering Nr.	Jaw Width		Jaw Opening		Jaw Depth		Net Wt. Each
		Inch	mm	Inch	mm	Inch	mm	
u RHV/100	35051	4	100	4	100	1-7/16	37	20.0
RHV/120	35052	4-13/16	120	5	125	1-11/16	42	32.0
RHV/150	35053	6	150	6	150	1-27/32	47	46.75

u BESTSELLER

81 MILLING MACHINE VICES – SUPER PRECISION

MMV-SP

ESP Mordaza de alta presión FR Étaux de fraisure DE Präzisions Maschinen-Schraubstöcke

The Milling Machine Vice is one of the most popular vices used in workshops, machine shops and shop floor. Apart from use in milling operations, it also finds application in jig boring, grinding and shaping jobs

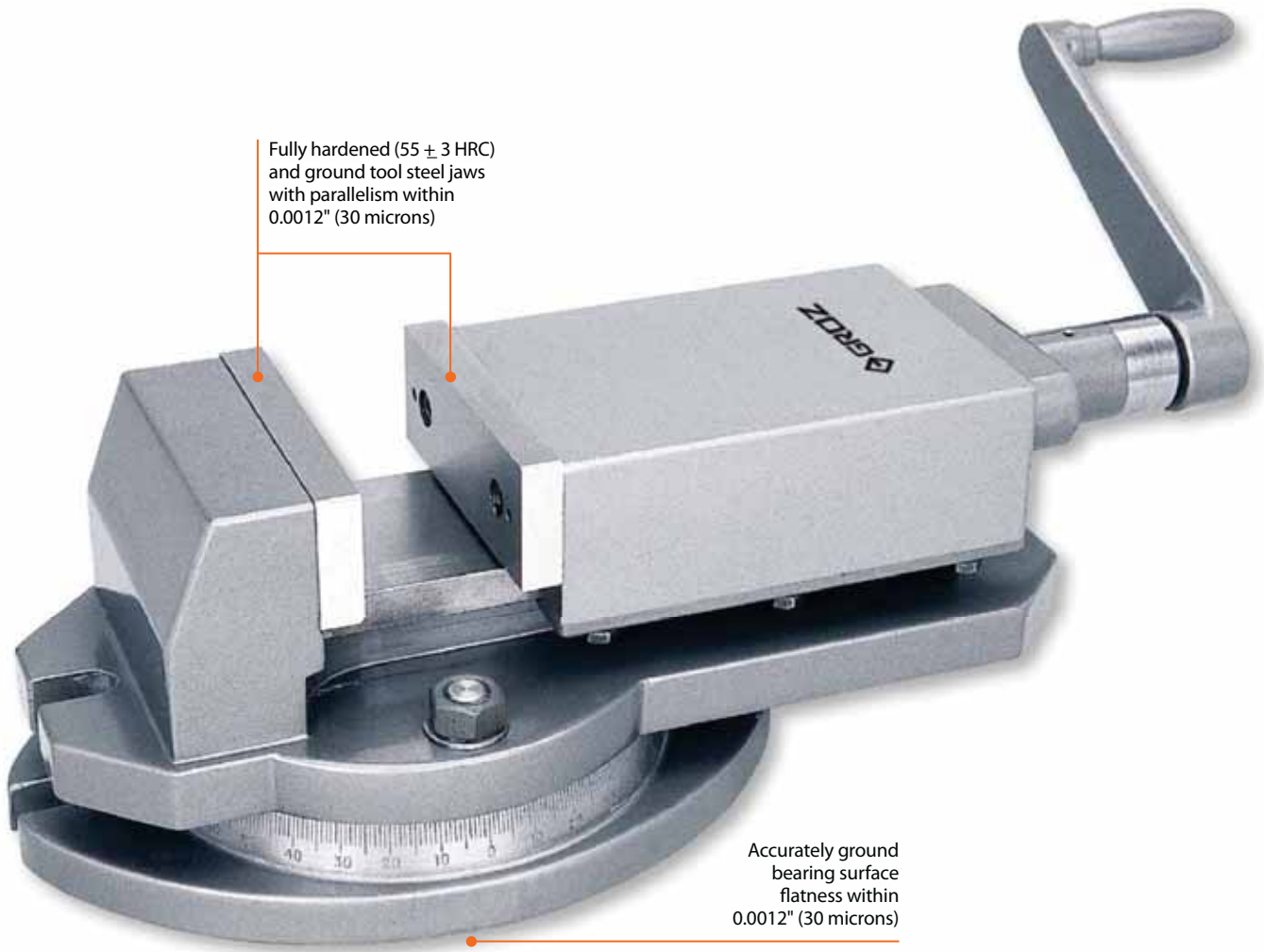
Manufactured from close grained hi-tensile seasoned cast iron, the vice body has a premium polychromatic finish which is scratch and rust proof

Vice jaws made from fully hardened and ground tool steel allow the workpiece to be held dead

square without use of any packing. This not only improves efficiency and life of jaws but also helps reduce strain on vice body

Usage of high tensile grade 10.8 fasteners provides greater strength and rigidity. The 360° swivel base allows the vice to be set at any angle along the vertical axis. Vice base has a milled slot which 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



Ordering Information

Cat. Nr.	Ordering Nr.	Jaw Width		Jaw Opening		Jaw Depth		Net Wt. Each Kg.
		Inch	mm	Inch	mm	Inch	mm	
MMV/SP/50	35010	2	50	2	50	1	25	3.500
MMV/SP/75	35014	3	75	3	75	1-11/32	34	8.500
MMV/SP/100	35011	4	100	4	100	1-1/2	38	17.400
MMV/SP/125	35013	5	125	5	125	1-3/4	45	27.75
MMV/SP/150	35012	6	150	6	150	1-3/4	45	38.800
MMV/SP/200	35016	8	200	8	200	2-9/32	58	84.00

u BESTSELLER | NEW SIZE



Milling machine vice being used to hold a job for milling operation

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

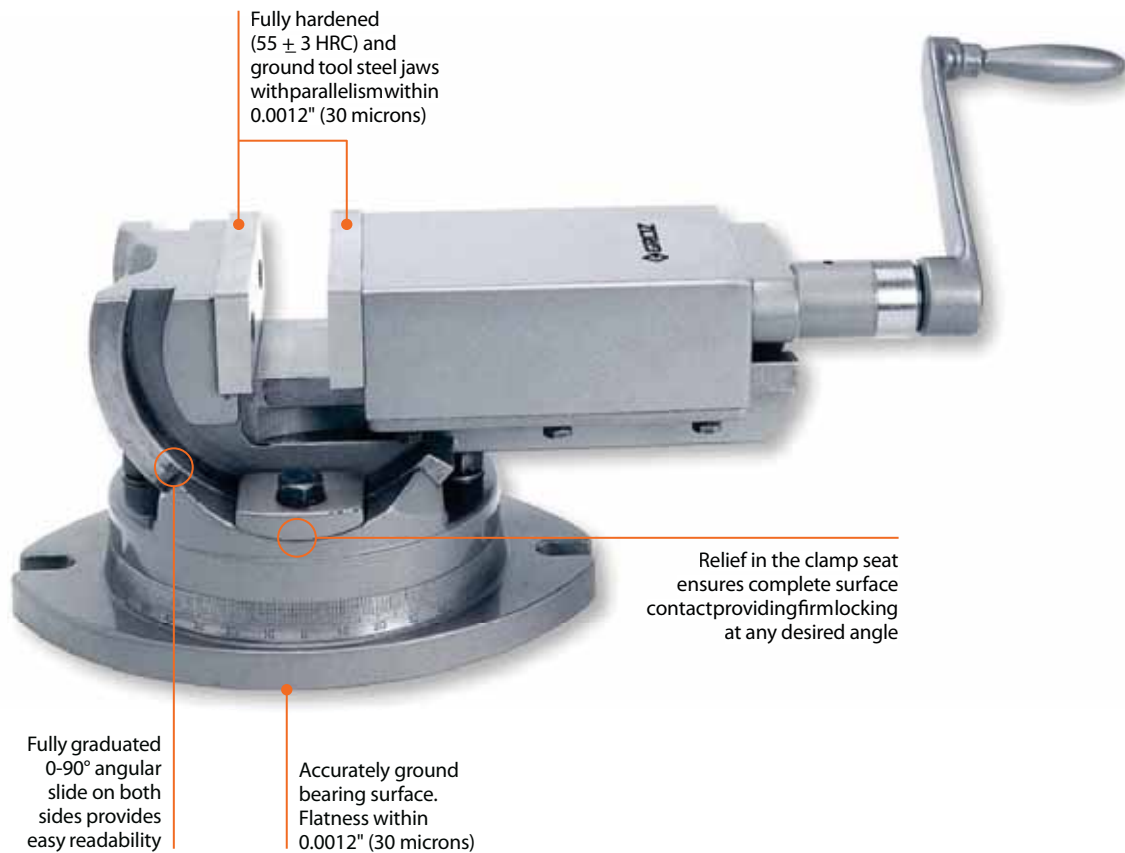
Ergonomically designed all steel handle allows for stress free operation. It is assembled on the spindle crank with a spring loaded mechanism providing positive grip

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



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	Kg
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

u BESTSELLER l NEW SIZE



The Angular Machine Vice being used for 45° face milling

83 THREE WAY TILTING VICES – SUPER PRECISION

TLT-SP

ESP Mordaza de alta presión FR Étaux de précision DE Präzisions Maschinen-Schraubstöcke

Tilting vices provide for 3 axis setting of the workpiece in special milling, drilling, grinding, shaping and jig boring applications

Vices have 2 angular slides which allow the work piece to be set at any desired angle — 45° tilting range on either sides and 90° vertical indexing. The 360° swivel base further allows rotation along the vertical axis

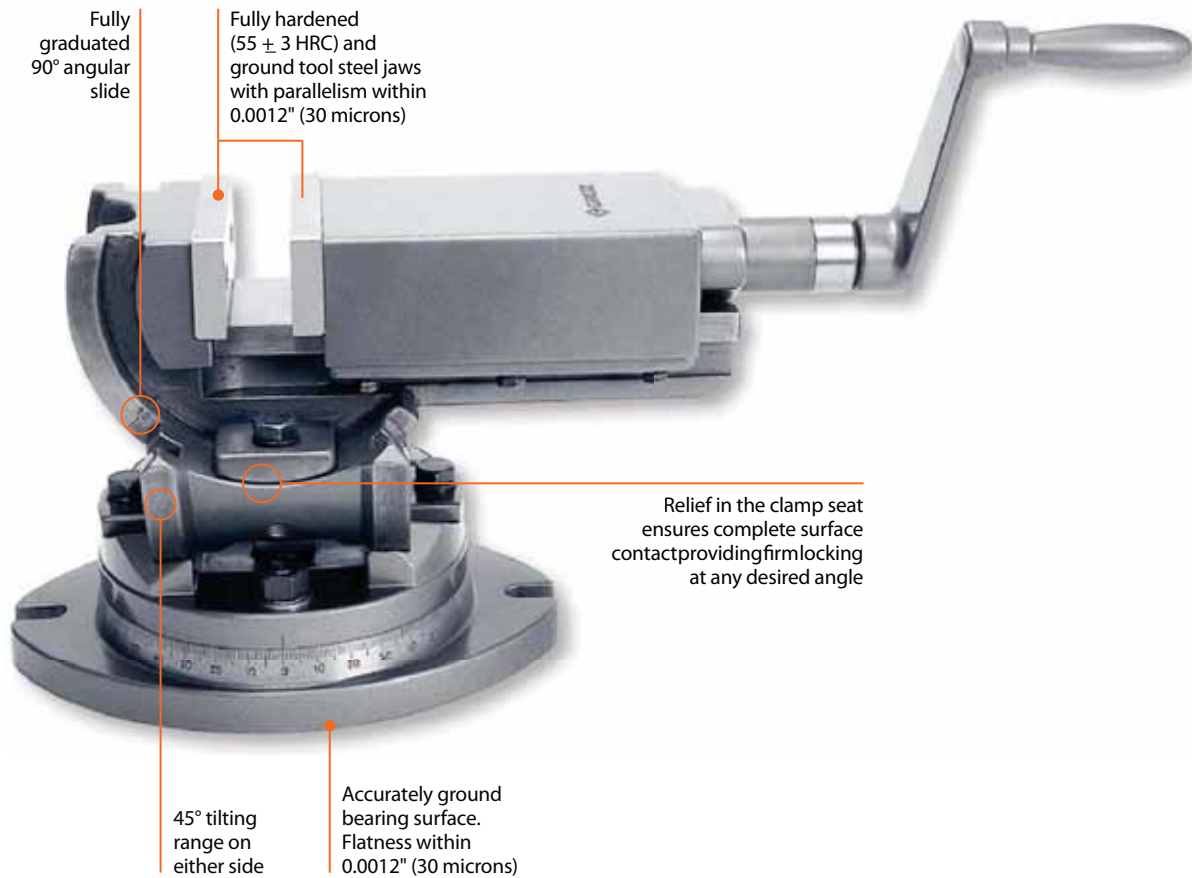
Manufactured from close grained hi-tensile seasoned cast iron with fully hardened and ground tool steel jaws with parallelism within 0.0012" (30 microns)

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 allows for 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 work table



Movement along the first angular slide, 0-90°



Movement along the tilting scale, 0-45°



Rotation along the swivel base



A combination of settings along the 3 scales

Ordering Information

Cat. Nr.	Ordering Nr.	Jaw Width		Jaw Opening		Jaw Depth		Net Wt. Each Kg
		Inch	mm	Inch	mm	Inch	mm	
TLT/SP/50	35020	2	50	2	50	1	25	4.000
TLT/SP/75	35021	3	75	3	75	1.5/16	34	10.700
u TLT/SP/100	35022	4	100	4	100	1-1/2	38	20.500
TLT/SP/125	35026	5	125	5	125	1.3/4	45	36.000
u TLT/SP/150	35027	6	150	6	150	1.3/4	45	54.000

u BESTSELLER

84 UNIVERSAL VICES – SUPER PRECISION

UV-SP

ESP Mordaza de alta presión FR Étaux orientable de précision DE Präzisions Maschinen-Schraubstöcke

The most versatile of all machine vices with all degrees of freedom, the Universal Vice allows the work piece to be set at any desired angle

Low height construction makes these useful on even the most complicated grinding jobs

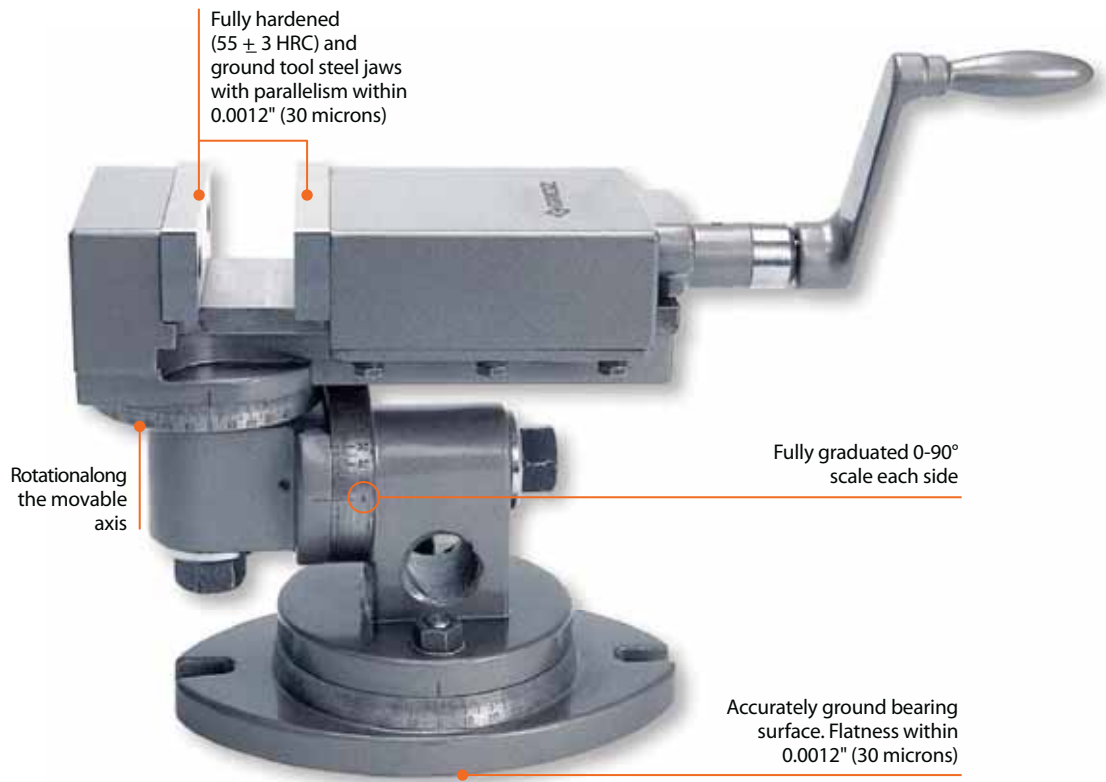
The vice has one fixed horizontal axis which allows the workpiece to be rotated at any angle along it. Fully graduated 360° swivel base allows complete rotation along the vertical axis. The third angular slide with a moving axis allows for any setting in the 3D plane

Manufactured from close grained hi-tensile seasoned cast iron with fully hardened and ground tool steel jaws, vices have a premium polychromatic finish

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

A milled slot in the vice base allows for 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 work table



Rotation along the swivel base

Rotation along the movable axis parallel to the axis of the swivel base

Rotation along the axis perpendicular to the axis of the swivel base

A combination of settings along the 3 axes produces the desired compound angle

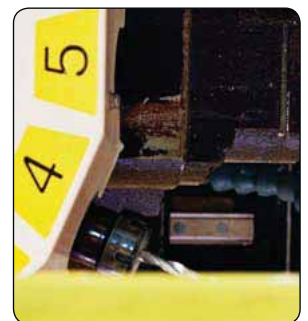
A typical case of the Universal vice set perpendicular to the base by rotation along the movable scale

Ordering Information

Cat. Nr.	Ordering Nr.	Jaw Width		Jaw Opening		Jaw Depth		Net Wt. Each Kg.
		Inch	mm	Inch	mm	Inch	mm	
UV//SP/50	35030	2	50	2	50	7/8	22.6	3.500
u UV/SP/100	35031	4	100	4	100	1-1/4	32	13.400

u BESTSELLER

Universal Vice being used for boring applications on a Vertical Milling Machine



85 SELF CENTERING VICES – SUPER PRECISION

SCV-SP

ESP Mordaza autocentrante alta presión FR Étau centreur de précision DE Zentrischspanner

The Self Centering vice allows for accurate centering of jobs, automatically. The vice is specially useful in applications where the same operation is to be performed on workpieces of varying sizes

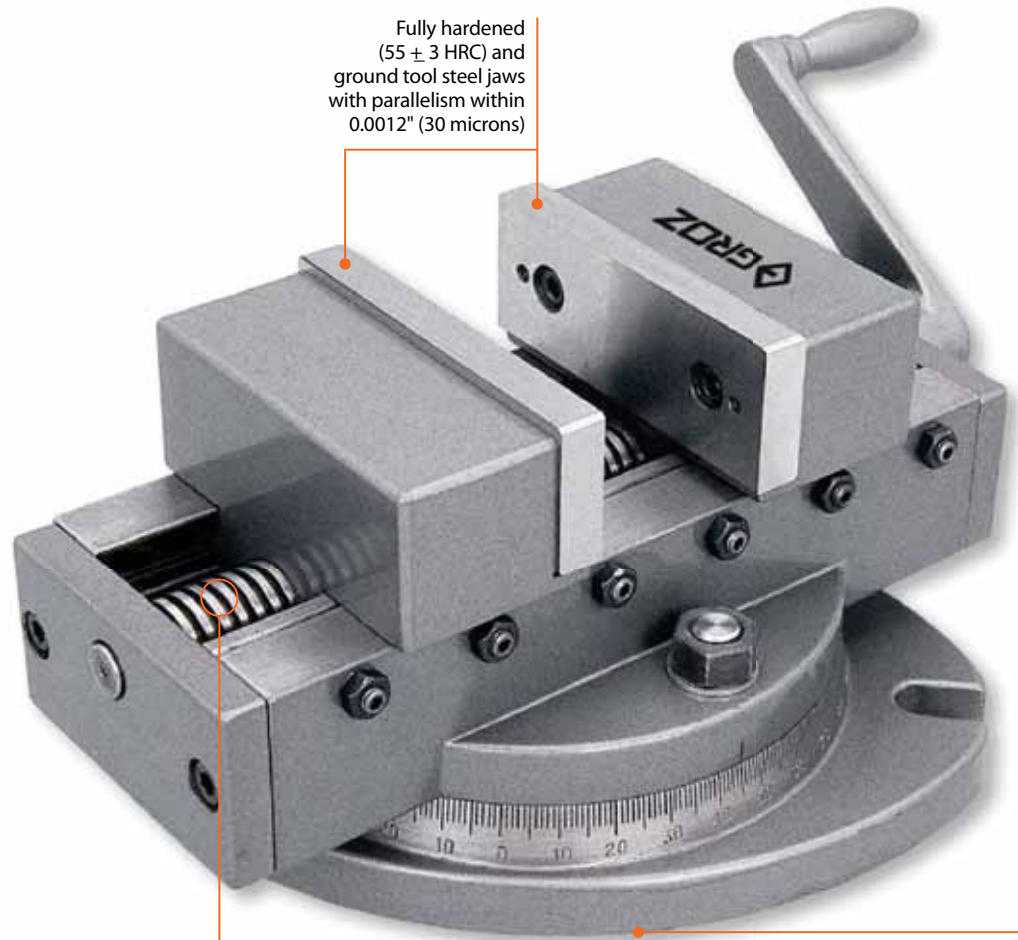
The special design allows accurate setting up of jobs with only a single machine setting. Centric clamping is particularly useful in milling, slot and groove cutting of all kinds

Manufactured from high tensile seasoned cast iron with fully hardened and ground tool steel jaws, the vice has opposite threads for quick and accurate centering. Rotation of the crank handle automatically adjusts workpiece to the center

Fully graduated 360° swivel base allows the vice to be set at any angle along the vertical axis

A milled slot in the vice base allows for 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 work table



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

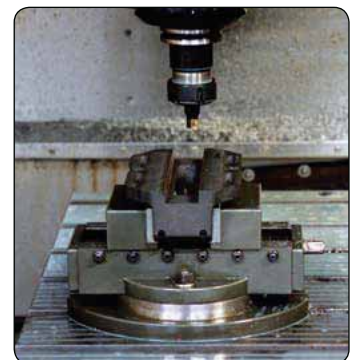
Spindle has opposite threads for quick and accurate centering

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

Ordering Information

Cat. Nr.	Ordering Nr.	Jaw Width		Jaw Opening		Jaw Depth		Net Wt. Each
		Inch	mm	Inch	mm	Inch	mm	
SCV/SP/100	35040	4	100	4	100	1-1/2	38	14.300
SCV/SP/125	35044	5	125	5	125	1-3/4	45	26.00
SCV/SP/150	35045	6	150	6	150	1-3/4	45	36.00

u BESTSELLER | NEW SIZE



Self Centering Vice being used to mill key ways in the center of the casting

86 REPLACEMENT JAWS & HANDLES

ESP Bocas y Manilla de amarre FR Manivelles & Mors DE Spannbacke und Handkurbel für Maschinenschraubstöcke

Replacement Jaws

The Groz range of super precision vices comes fitted with hardened and ground tool steel jaws. Though the jaws are fully hardened, with repeated use, they may wear over time

Jaws are available as spares, and are easily fitted on to the vice. Upon reassembly, the jaws may require a finishing / grinding cut on the top surface for complete matching

Groz also offers special jaw pairs, with one of the jaws with both horizontal and vertical V grooves, for holding round jobs. The V grooves are precision ground to maintain high levels of accuracy



Replacement Handles

The vice handle is connected to the crank through a spring loaded ball, and can be detached easily. Due to its detachable nature, it may get misplaced or lost

Groz offers replacement handles which can be fitted with ease onto the crank



Ordering Information

Cat. Nr	Ordering Nr.	Suitable for Vice Series				
		Milling Machine Vices	Angular machine Vices	Three Way Tilting Vices	Universal Vices	Self Centering Vice
Replacement Jaws – Plain						
JAW/SP/50	35060	MMV/SP/50	AMV/SP/50	TLT/SP/50	---	---
JAW/SP/50/SPL	35066	---	---	---	UV/SP/50	---
JAW/SP/75	35061	MMV/SP/75	AMV/SP/75	TLT/SP/75	---	---
JAW/SP/100	35062	MMV/SP/100	AMV/SP/100	TLT/SP/100	---	SCV/SP/100
JAW/SP/100/ SPL	35063	---	---	---	UV/SP/100	---
JAW/SP/125	35064	MMV/SP/125	AMV/SP/125	---	---	---
JAW/SP/125/SPL	35067	---	---	TLT/SP/125	---	SCV/SP/125
JAW/SP/150	35065	MMV/SP/150	AMV/SP/150	---	---	---
JAW/SP/150/SPL	35068	---	---	TLT/SP/150	---	SCV/SP/150
JAW/SP/200/SPL	35069	MMV/SP/200	AMV/SP/200	---	---	---
Replacement Jaws with "V" Grooves						
JAW/SP/V/50	35070	MMV/SP/50	AMV/SP/50	TLT/SP/50	---	---
JAW/SP/V/50/SPL	35077	---	---	---	UV/SP/50	---
JAW/SP/V/75	35071	MMV/SP/75	AMV/SP/75	TLT/SP/75	---	---
JAW/SP/V/100	35072	MMV/SP/100	AMV/SP/100	TLT/SP/100	---	SCV/SP/100
JAW/SP/V/100/SPL	35073	---	---	---	UV/SP/100	---
JAW/SP/V/125	35074	MMV/SP/125	AMV/SP/125	---	---	---
JAW/SP/V/125/SPL	35078	---	---	TLT/SP/125	---	SCV/SP/125
JAW/SP/V/150	35075	MMV/SP/150	AMV/SP/150	---	---	---
JAW/SP/V/150/SPL	35079	---	---	TLT/SP/150	---	SCV/SP/150
JAW/SP/V/200	35076	MMV/SP/200	AMV/SP/200	---	---	---
Replacement Handles						
HND/SP/50	35080	MMV/SP/50	AMV/SP/50	TLT/SP/50	---	---
HND/SP/50/SPL	35086	---	---	---	UV/SP/50	---
HND/SP/75	35081	MMV/SP/75	AMV/SP/75	TLT/SP/75	---	SCV/SP/100
HND/SP/100	35082	MMV/SP/100	AMV/SP/100	TLT/SP/100	---	---
HND/SP/100/SPL	35087	---	---	---	UV/SP/100	---
HND/SP/150	35083	MMV/SP/125 & MMV/SP/150	AMV/SP/125 & AMV/SP/150	AMV/SP/125 & TLT/SP/150	---	---
HND/SP/200	35085	MMV/SP/200	AMV/SP/200	---	---	---
HND/SP/SCV/150	35089	---	---	---	---	SCV/SP/125 & SCV/SP/150

87 DRILL PRESS VICES – HEAVY DUTY

DPV

ESP Mordazas para taladro FR Étaux de perceuse DE Präzisions-Bohrmaschinen-Schraubstöcke

This ubiquitous Drill Vice is more than a fixture in any workshop. It is a necessity

These are specially designed for use by professionals who require a heavy vice

Manufactured from close grained cast iron, this vice offers a ground vice bed for smooth & consistent jaw movement

Jaws are hardened & ground with cross patterned 90° V-grooves in the stationary jaw facilitating holding of round jobs both horizontally & vertically

Rugged design makes these vices perfect for even the most difficult of drilling, tapping & reaming operations



Ordering Information

Cat. Nr.	Ordering Nr.	Jaw Width		Jaw Opening		Jaw Depth		Net Wt. Each Kg.
		Inch	mm	Inch	mm	Inch	mm	
DPV/60	35102	2-1/2	63	2-3/4	70	1	25	2.40
DPV/80	35100	3-3/16	80	3-1/2	88	1-3/32	28	4.00
DPV/100	35101	4	100	4	100	1-3/8	35	7.70
DPV/120	35103	4-3/4	120	6	150	1-21/32	42	13.50
DPV/150	35104	6	150	6-11/16	170	2	50	22.50

u BESTSELLER | NEW SIZE

88 DRILL PRESS VICES – PRECISION

DPV-STD

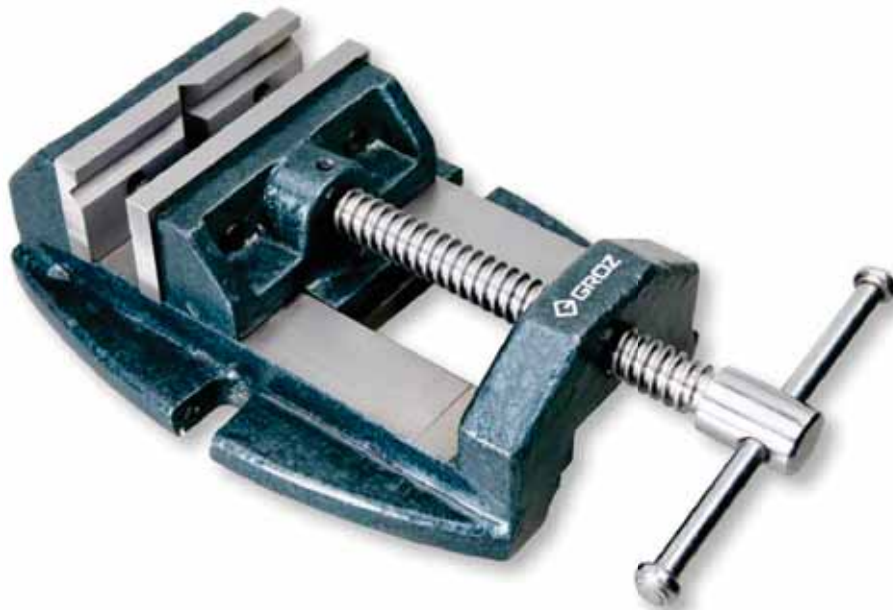
ESP Mordazas para taladro FR Étaux de perceuse DE Präzisions-Bohrmaschinen-Schraubstöcke

Manufactured from graded cast iron, these drill vices have been designed for accuracy, making them ideal for engineering workshops and tool rooms

The base and slides are precision ground for stability and accurate operation

Horizontal & vertical V-grooves in the stationary jaw allows holding of round job securely

The base is slotted enabling the vice to be bolted to drill press tables, assisting in quick & accurate positioning



Ordering Information

Cat. Nr.	Ordering Nr.	Jaw Width		Jaw Opening		Jaw Depth		Net Wt. Each Kg.
		Inch	mm	Inch	mm	Inch	mm	
DPV/STD-75	35110	3	75	2-3/4	70	1-3/16	30	2.70
DPV/STD-100	35111	4	100	4	100	1-1/2	38	5.45
DPV/STD-125	35112	5	125	5	125	1-7/8	48	11.00

u BESTSELLER

89 DRILL PRESS VICE – UNIGRIP

Series UG

ESP Mordazas para taladro FR Étau UNIGRIP á mors flottant DE Bohrmaschinen-Schraubstöcke

Manufactured from graded cast iron, these vices have a precision ground base and vice bed for smooth lateral movement of the movable jaw

Longitudinal and transversal prisms in the fixed jaw allow for firm gripping of round jobs of different sizes both horizontally and vertically. Special seat in jaws facilitates retaining of flat work pieces

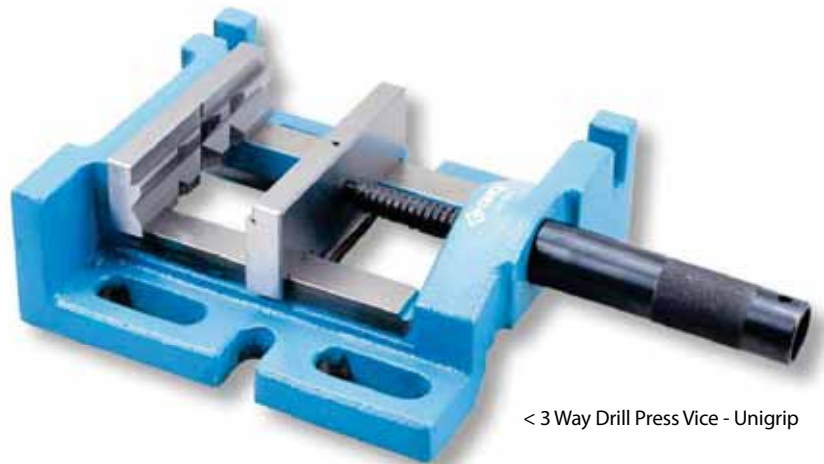
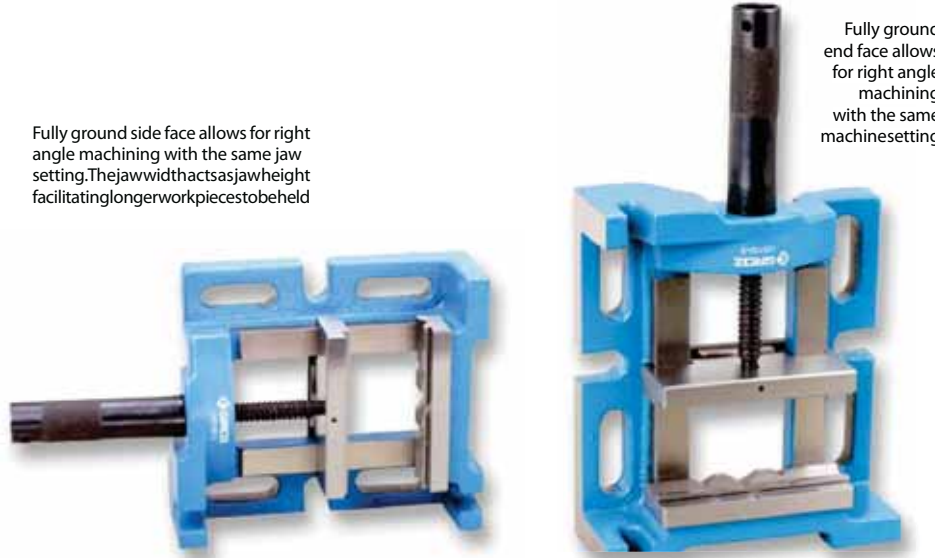
Vices are equipped with a convenient unigrip mechanism. Spindle moves inside the hollow hand grip allowing the vice to be used at a location away from the table edge. This feature increases the scope of application of this range of vices

3 Way Drill Press Vice

This vice is also available with 3 mounting options via 2 additional precisely ground surfaces: end face and side face. This allows for drilling along all axes with a single setting of the job and holding of long workpieces which are cumbersome and difficult to manage in regular vices

Fully ground side face allows for right angle machining with the same jaw setting. The jaw width acts as jaw height facilitating longer workpieces to be held

Fully ground end face allows for right angle machining with the same machinesetting



< 3 Way Drill Press Vice - Unigrip



< Drill Press Vice - Unigrip

Ordering Information

Cat. Nr.	Ordering Nr.	Jaw Width		Jaw Opening		Jaw Depth	
		Inch	mm	Inch	mm	Inch	mm
Drill Press Vice - Unigrip							
DPV/UG/75	35120	3-3/16	80	2-3/4	75	1-3/16	30
u DPV/UG/100	35121	4	100	3-5/8	92	1-3/16	30
u DPV/UG/125	35122	4-23/32	120	4-3/8	110	1-3/8	35
3 Way Drill Press Vice - Unigrip							
DPV/UG/3/100	35125	4	100	3-1/2	88	1-3/16	30

u BESTSELLER

90 RAPID ACTION DRILL PRESS VICES

RAV

ESP Mordazas para taladro - Acción Rápida FR Étaux de perceuse à serrage rapide DE Schnellspann Bohrmaschinen-Schraubstöcke

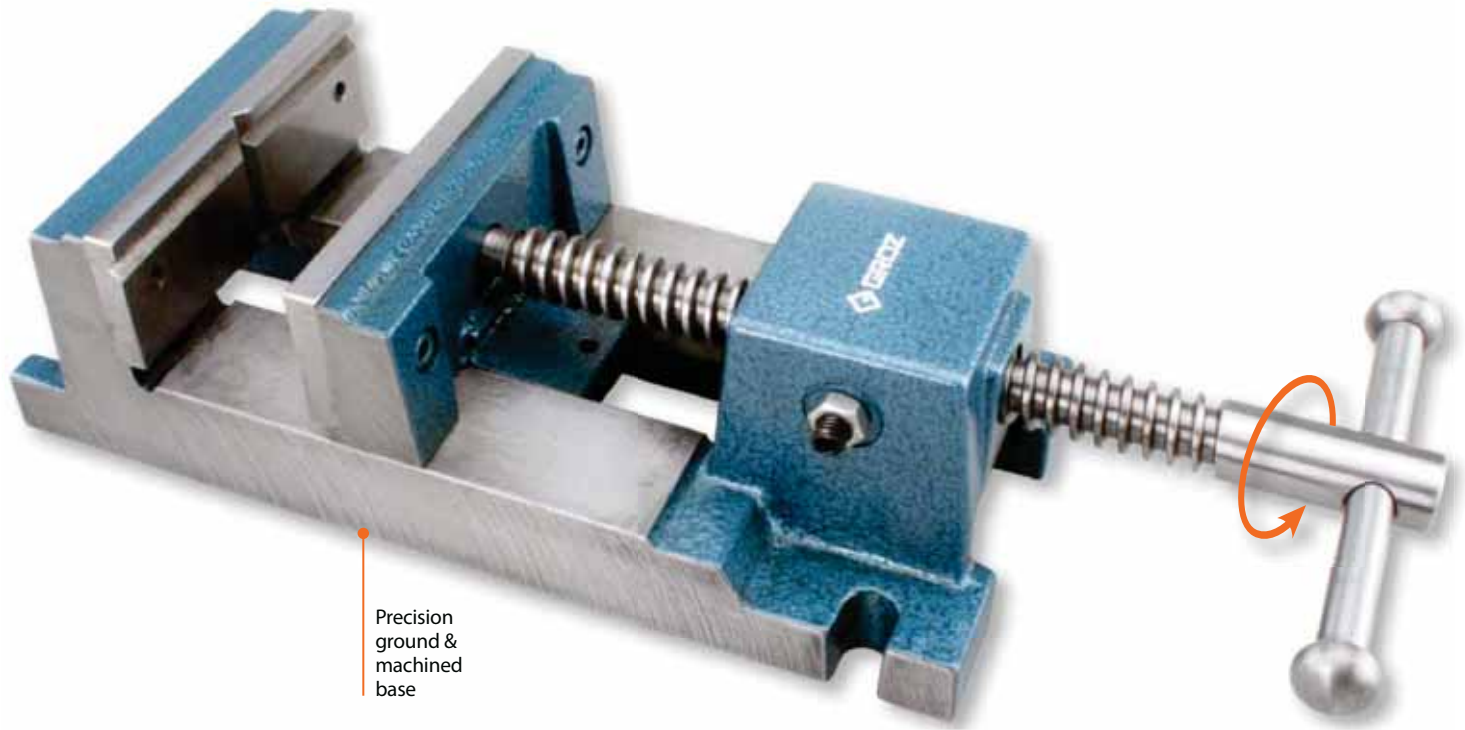
Manufactured from graded cast iron for extra strength and increased durability

Precision machining of vice sides- at right angles to the base allows these vices to be used on sides in addition to being used on the base

Vices are equipped with a rapid action mechanism – A simple half turn of the spindle in anti-clockwise direction activates the mechanism- A very useful feature in repetitive work situations for holding different size jobs

NEW!

QUICK ACTION



Precision ground & machined base

ThreeWayTiltingVice being used to hold a job at an angle for milling operation.



Ordering Information

Cat. Nr.	Ordering Nr.	Jaw Width		Jaw Opening		Jaw Depth	
		Inch	mm	Inch	mm	Inch	mm
RAV/35	35130	3-1/2	89	3-13/16	97	1-3/4	44
RAV/45	35131	4-1/2	113	4-3/4	120	1-7/8	45
u RAV/60	35132	6	150	6-3/4	169	2-1/8	54

u **BESTSELLER**

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