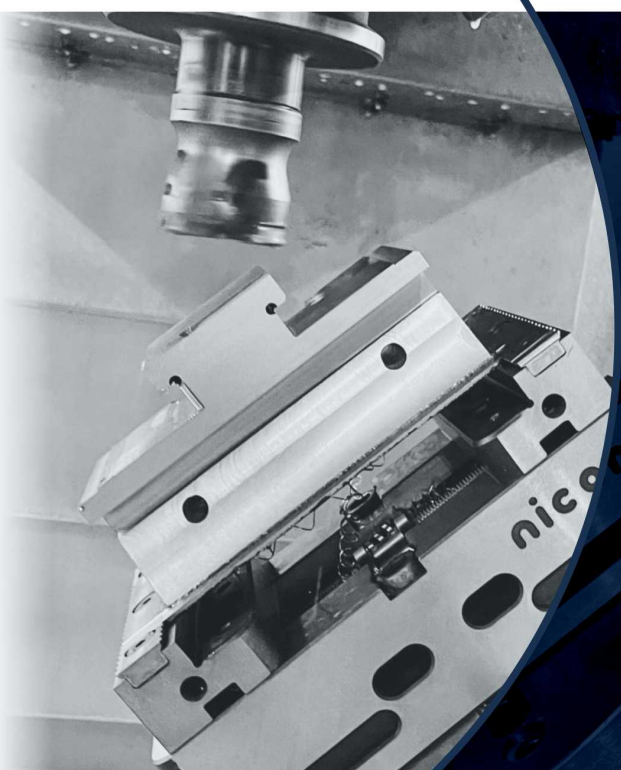
nicon
PRECISION VICES

5 AXIS VICES
MODULAR VICES
HYDRAULIC VICES
CNC MULTIGRIP VICES
SELF CENTERING VICES

PRODUCT CATALOGUE 2027

An ISO 9001:2015 Co.



FINEST RANGE OF PRECISION VICES IN INDIA

Y.H. TOOLS MANUFACTURERS PVT. LTD.

Precision. Integrity. Innovation.
Since 1979

Formerly nicon Precision Vices — High-Precision Vices & Workholding Solutions

About Y.H. Tools & Our Foundation

Y.H. Tools Manufacturers Pvt. Ltd. (formerly Nicon Precision Vices) is a premier Indian manufacturer of high-precision vices and workholding solutions serving customers globally. Founded in 1979 by the late Mr. Harbans Singh, the company has grown from a small workshop into a globally serving engineering manufacturer, combining practical expertise with advanced CNC technology. Our foundation is built on engineering expertise, disciplined manufacturing, and dependable value for customers.

Manufacturing Excellence & Capabilities

Our vertically integrated, in-house capabilities give us total control over quality, accuracy, flatness, parallelism, and consistency throughout production:

Capability	What It Enables
CNC Milling	Repeatable machining of precision vice components.
CNC Turning	Accurate production of turned components.
High-Precision Surface Grinding	Control of flatness, parallelism, and finished surfaces.

Product Strengths & Customer Value

Strength	Customer Value
Precision and Alignment	Controlled workholding for precise machining.
Clamping and Durability	High clamping force and robust use in demanding environments.
Strong Economic Value	Designed to provide full value for money.

Innovation, Culture & Markets Served

Innovation & R&D;:

- Product improvement based on engineering & customer feedback.
- Workholding development for modern industry.
- Continuous manufacturing technology upgrades.

People & Quality Culture:

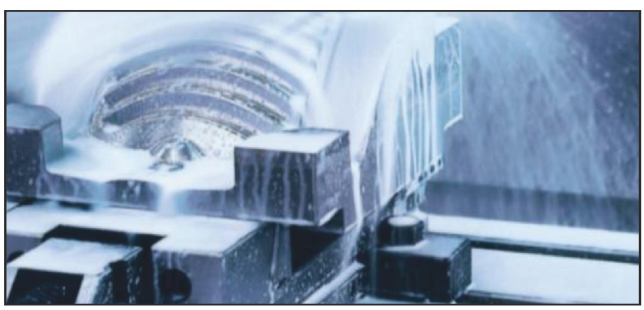
- Admin, finance, sales, R&D;, production & quality work as one coordinated team.
- Strict quality monitoring throughout production.

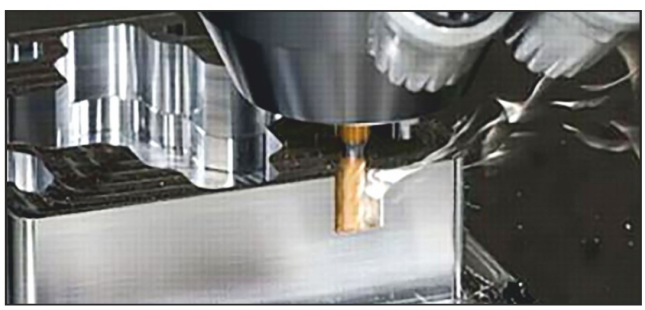
Industries Served:

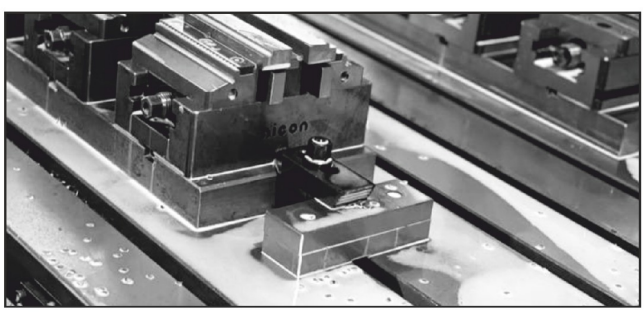
- Automotive
- Aerospace
- Defence
- Tool and Die
- General Engineering

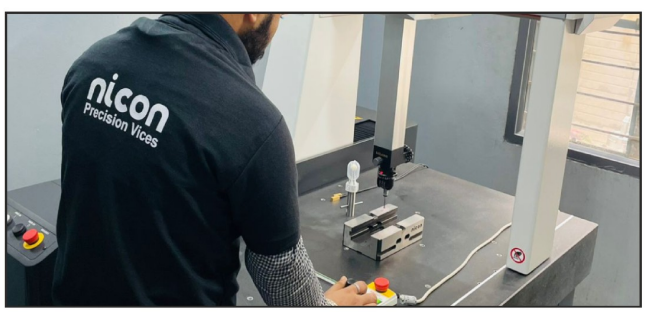
Our Commitment:

Providing stability, precision, and reliability to grow our customers' businesses.









INDEX

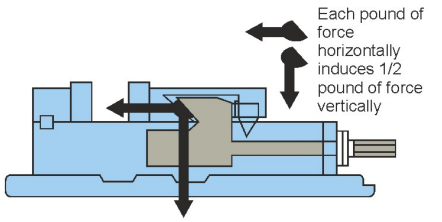
S. NO.	PRODUCTS	PAGE NO.
1.	LOCK DOWN JAW MACHINE VICES & JAWS	1 - 5
2.	PRECISION MODULAR VICES & JAWS	6 - 10
3.	5 AXIS VICES & JAWS	11 - 14
4.	GRIP LOCK ZERO POINT PLATES & ADAPTOR PLATES	15 - 19
5.	RAISER BLOCKS & FIXTURES FOR 5 AXIS VICES	20 - 24
6.	MULTIGRIP MACHINE VICES & FIXTURE PLATES	25 - 29
7.	WEDGE CLAMP & SIDE CLAMPS	30 - 32
8.	HIGH GRIP VICES & JAWS	33 - 37
9.	COMPACT HIGH GRIP VICES & JAWS	38 - 40
10.	HYDRAULIC VICES & JAWS	41 - 42
11.	MILLING VICES, TILTING & SWIVELING VICES	43 - 45
12.	SELF CENTERING SHAFT VICES & COMPACT UNIVERSAL VICE	46
13.	SELF CENTERING VICE & 2 PC. ADJUSTABLE MILLING VICE	47
14.	TOOL MAKER'S VICES & TOOL MAKER'S SINE VICES	48 - 49
15.	DRILL PRESS VICES	50-51
16.	PRECISION STEEL PARALLELS FOR MACHINE VICES	52
17.	CAST IRON ANGLE PLATES	53
18.	TILTING TABLES & MAGNETIC VEE BLOCKS	54
19.	TOOL HOLDER LOCKING DEVICE & CORNER WELDING VICE	55
20.	CLAMPING KIT & TOOL ROOM BENCH VICE	56

LOCK DOWN JAW MACHINE VICE

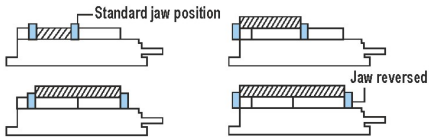
CODE NO. N-171

nicon
PRECISION VICES





Down thrust "Semi Sphere Segment" mechanism eliminates jaw lift and work piece tilt. No. need to hammer the workpiece as in other vices.



Examples of clamping with different jaw mounting positions possible

KEY FEATURES

Designed specifically for precision milling machines and CNC machining centres, this vice delivers high accuracy, maximum clamping pressure, and long-term durability under heavy machining conditions.

Eliminates Workpiece Lift: The integrated lock-down mechanism pulls the movable jaw downward as it clamps forward, guaranteeing zero part tilt and reliable surface accuracy.

Hammer-Free Clamping: The sealed, low-friction bearing system multiplies force smoothly via handle rotation—protecting the lead screw and eliminating the need to strike the handle.

Rapid Table Alignment: Built-in tenon slots fit standard T-nuts to align the vice parallel to the machine axis without lengthy dial-indicator setups.

Material: High-strength ductile cast iron body.

Accuracy: Parallelism and squareness within 0.02 / 100 mm.

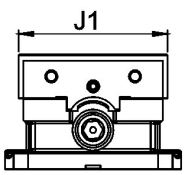
Bed & Jaws: Hardened bed and jaw plates ensure extended service life and performance consistency.

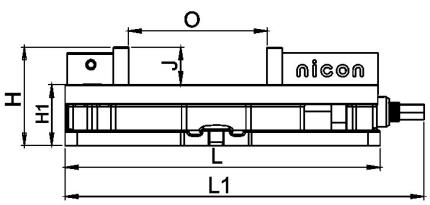
Clamping Mechanism : Sealed low-friction bearing system generating higher clamping force.

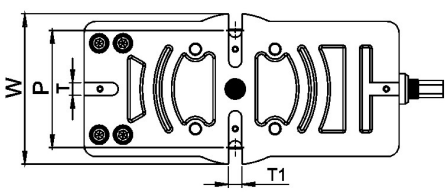
Nut Design : Redesigned lightweight nut while maintaining standardized bed height.

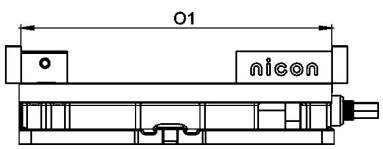
Interchangeability : All parts are 100% interchangeable and available as spare parts.

Options : Available with an optional swivel base.







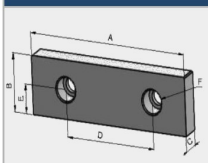
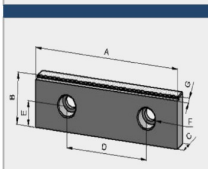
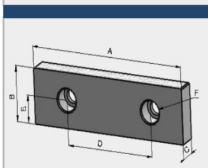
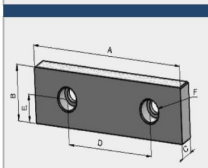
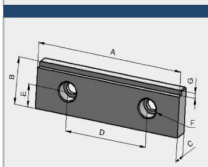
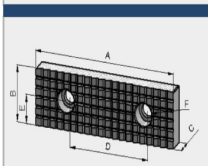
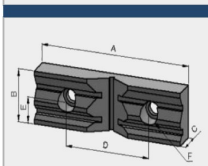
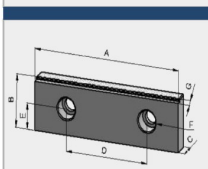
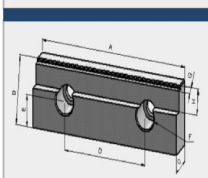


DIMENSIONS IN MM

MODEL NO.	L	W	H	H1	L1	O	O1	J	J1	P	T	T1	Weight in Kgs.	Clamping pressure in Kgs.
MMV100	308	153	104	67	345	125	300	37	110	120	16	17	16	1500
MMV150	396	190	123.7	76.7	440	175	380	47	160	150	16	17	30	3000
MMV160+	437	190	123.7	76.7	482	225	430	47	160	150	16	17	32	3000
MMV200	512	249	152	92	557	255	500	60	210	200	18	20	62	3500
MMV200+	560	249	152	92	610	305	550	60	210	200	18	20	65	3500
MMV300	695	350	165	95	760	400	690	70	300	280	18	22	110	4000

OPTIONAL JAWS FOR LOCK DOWN JAW MACHINE VICE (N-171)

nicon PRECISION VICES

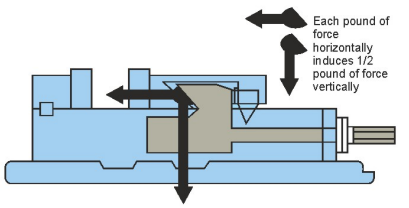
CODE NO. N. 171	PARTICULARS	PRODUCT CODE	A	B	C	D	E	F	G	H	Suitable For Model No.
	HARD JAW SET	MMV100HJ	110	36	14	64	17	M10	–	–	MMV100
		MMV150HJ	160	47	18	90	23.5	M12	–	–	MMV150 & MMV160+
		MMV200HJ	210	60	18	129	28	M12	–	–	MMV200 & MMV200+
		MMV300HJ	300	70	22	175	35	M12	–	–	MMV300
	DIAMOND TEETH JAW SET 3X3MM	MMV100DTJ	110	36	14	64	17	M10	3	–	MMV100
		MMV150DTJ	160	47	18	90	23.5	M12	3	–	MMV150 & MMV160+
		MMV200DTJ	210	60	18	129	28	M12	3	–	MMV200 & MMV200+
	SOFT JAW SET	MMV100SJ	110	36	18	64	17	M10	–	–	MMV100
		MMV150SJ	160	47	23	90	23.5	M12	–	–	MMV150 & MMV160+
		MMV200SJ	210	60	23	129	28	M12	–	–	MMV200 & MMV200+
		MMV300SJ	300	70	30	175	35	M12	–	–	MMV300
	ALUMINIUM JAW SET	MMV100AJ	110	36	14	64	17	M10	–	–	MMV100
		MMV150AJ	160	47	18	90	23.5	M12	–	–	MMV150 & MMV160+
		MMV200AJ	210	60	18	129	28	M12	–	–	MMV200 & MMV200+
		MMV300AJ	300	70	22	175	35	M12	–	–	MMV300
	STEPPED JAW SET	MMV100STJ	110	36	14	64	17	M10	5	–	MMV100
		MMV150STJ	160	47	18	90	23.5	M12	5	–	MMV150 & MMV160+
		MMV200STJ	210	60	18	129	28	M12	5	–	MMV200 & MMV200+
		MMV300STJ	300	70	22	175	35	M12	5	–	MMV300
	SERRATED JAW SET	MMV100SRJ	110	36	14	64	17	M10	–	–	MMV100
		MMV150SRJ	160	47	18	90	23.5	M12	–	–	MMV150 & MMV160+
		MMV200SRJ	210	60	18	129	28	M12	–	–	MMV200 & MMV200+
		MMV300SRJ	300	70	22	175	35	M12	–	–	MMV300
	PRISMATIC JAW	MMV100PJ	110	36	18	64	17	M10	–	–	MMV100
		MMV150PJ	160	47	23	90	23.5	M12	–	–	MMV150 & MMV160+
		MMV200PJ	210	60	28	129	28	M12	–	–	MMV200 & MMV200+
	DIAMOND TEETH JAW SET 5X5MM	MMV100DTJ5	110	36	16	64	17	M10	5	–	MMV100
		MMV150DTJ5	160	47	20	90	23.5	M12	5	–	MMV150 & MMV160+
		MMV200DTJ5	210	60	20	129	28	M12	5	–	MMV200 & MMV200+
	COMBINATION JAW SET	MMV100DTSJ	110	36	22	64	17	M10	3	16	MMV100
		MMV150DTSJ	160	47	26	90	23.5	M12	3	18	MMV150 & MMV160+
		MMV200DTSJ	210	60	26	129	28	M12	3	20	MMV200 & MMV200+

COMPACT LOCK DOWN JAW MACHINE VICE

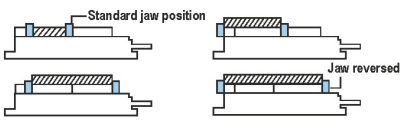
CODE NO. N-131

nicon
PRECISION VICES





Down thrust "Semi Sphere Segment" mechanism eliminates jaw lift and work piece tilt. No. need to hammer the workpiece as in other vices.



Examples of clamping with different jaw mounting positions possible

KEY FEATURES

Designed specifically for precision milling machines and CNC machining centres, this vice delivers high accuracy, maximum clamping pressure, and long-term durability under heavy machining conditions.

Eliminates Workpiece Lift: The integrated lock-down mechanism pulls the movable jaw downward as it clamps forward, guaranteeing zero part tilt and reliable surface accuracy. Hammer-Free Clamping: The sealed, low-friction bearing system multiplies force smoothly via handle rotation—protecting the lead screw and eliminating the need to strike the handle.

Rapid Table Alignment: Built-in tenon slots fit standard T-nuts to align the vice parallel to the machine axis without lengthy dial-indicator setups.

Material: High-strength ductile cast iron body.

Accuracy: Parallelism and squareness within 0.02 / 100 mm.

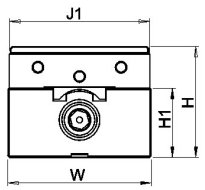
Bed & Jaws: Hardened bed and jaw plates ensure extended service life and performance consistency.

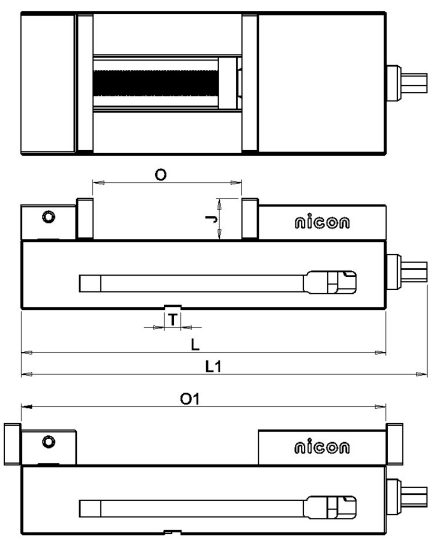
Clamping Mechanism Sealed low-friction bearing system generating higher clamping force.

Nut Design: Redesigned lightweight nut while maintaining standardized bed height.

Interchangeability: All parts are 100% interchangeable and available as spare parts.

Options: Available with an optional swivel base.





DIMENSIONS IN MM

MODEL NO.	L	W	H	L1	H1	O	01	J	J1	T	Weight in Kgs.	Clamping pressure in Kgs.
CMV150	395	155	120	450	75	150	380	45	152	18	32	3000

SELF CENTERING LOCK DOWN JAW VICE

CODE NO. N-132

nicon
PRECISION VICES



KEY FEATURES

Both jaws of this vice travel inward toward the center simultaneously, providing stable, centered clamping on raw or machined components.
This vice can be used vertically or on either side. Its enhanced body structure reduces deflection during operation, whether mounted vertically or horizontally. Designed specifically for precision milling machines and CNC machining centres, this vice delivers high accuracy, maximum clamping pressure, and long-term durability under heavy machining conditions.

Eliminates Workpiece Lift: The integrated lock-down mechanism pulls the movable jaws downward as it clamps forward, guaranteeing zero part tilt and reliable surface accuracy.

Hammer-Free Clamping: The sealed, low-friction bearing system multiplies force smoothly via handle rotation—protecting the lead screw and eliminating the need to strike the handle.

Rapid Table Alignment: Built-in tenon slots fit standard T-nuts to align the vice parallel to the machine axis without lengthy dial-indicator setups.

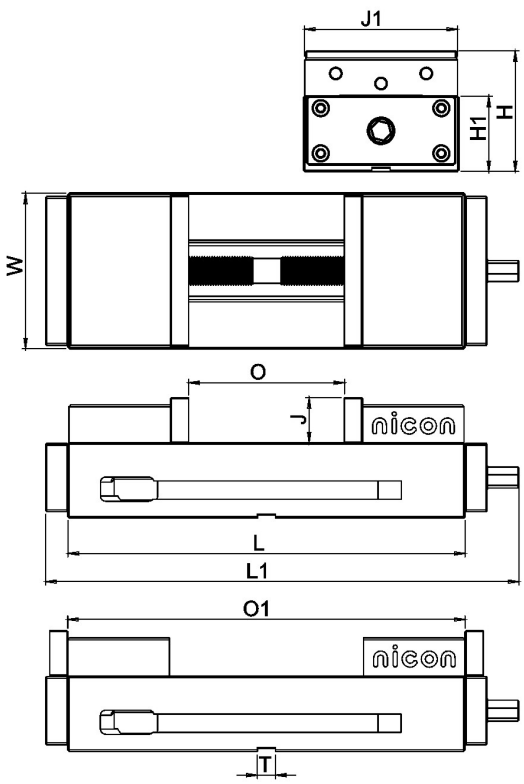
Material: High-strength ductile cast iron body.

Accuracy: Parallelism and squareness within 0.02 / 100 mm.

Bed & Jaws: Hardened bed and jaw plates ensure extended service life and performance consistency.

Clamping Mechanism Sealed low-friction bearing system generating higher clamping force.

Interchangeability All parts are 100% interchangeable and available as spare parts.

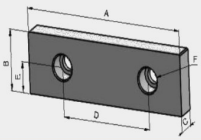
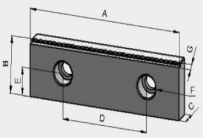
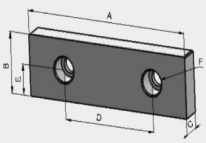
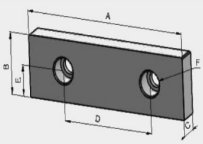
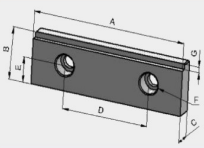
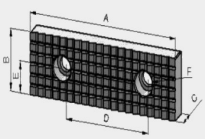
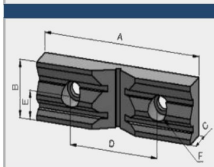
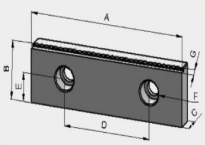
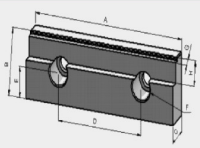


DIMENSIONS IN MM

MODEL NO.	L	W	H	O	O1	H1	L1	J	J1	T	Weight in Kgs.	Clamping pressure in Kgs.
SCV150	395	155	120	150	380	75	480	45	152	18	34	2000

OPTIONAL JAWS FOR COMPACT LOCK DOWN JAW MACHINE VICE (N-131, N-132)

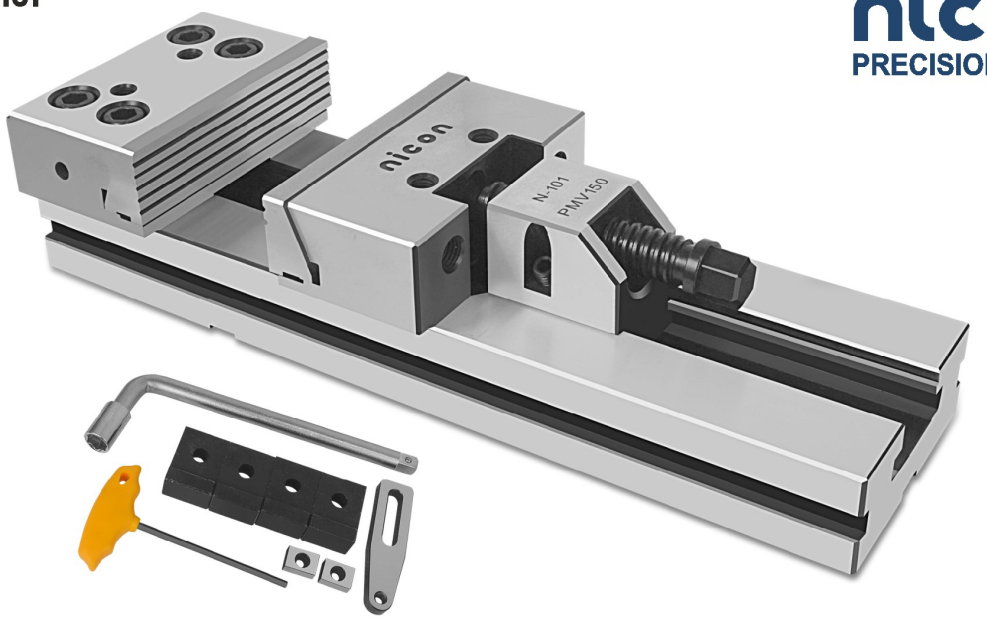
nicon PRECISION VICES

CODE NO. N. 131, N 132	PARTICULARS	PRODUCT CODE	A	B	C	D	E	F	G	H	Suitable For Model No.
	HARD JAW SET	CMV 150HJ	150	45	18	90	22.5	M12	–	–	CMV150 & SCV150
	DIAMOND TEETH JAW SET 3X3MM	CMV 150DTJ	150	45	18	90	22.5	M12	–	–	CMV150 & SCV150
	SOFT JAW SET	CMV 150SJ	150	45	23	90	22.5	M12	–	–	CMV150 & SCV150
	ALUMINIUM JAW SET	CMV 150AJ	150	45	18	90	22.5	M12	–	–	CMV150 & SCV150
	STEP JAW SET	CMV 150STJ	150	45	18	90	22.5	M12	5	–	CMV150 & SCV150
	SERRATED JAW SET	CMV 150SRJ	150	45	18	90	22.5	M12	–	–	CMV150 & SCV150
	PRISMATIC JAW	CMV 150PJ	150	45	23	90	22.5	M12	–	–	CMV150 & SCV150
	DIAMOND TEETH JAW SET 5X5MM	CMV 150DTJ5	150	45	20	90	22.5	M12	5	–	CMV150 & SCV150
	COMBI-NATION JAW SET	CMV 150DTSJ	150	45	26	90	22.5	M12	3	18	CMV150 & SCV150

PRECISION MODULAR MACHINE VICE

CODE NO. N-101

nicon
PRECISION VICES



KEY FEATURES

Modular Vice designed for precision milling, grinding and extensive use with CNC milling machines.

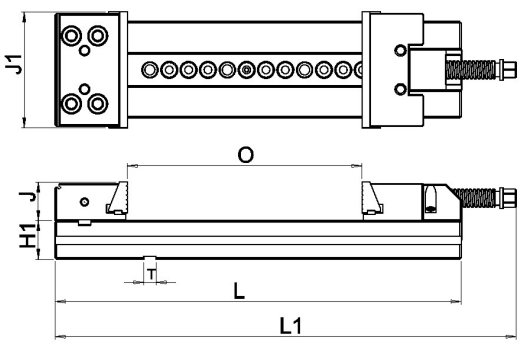
Pull-Down Angle Jaw System: Both jaw plates feature a pull-down angle mechanism that actively pulls the workpiece downward against the vice base during clamping, ensuring secure holding and eliminating part lift.

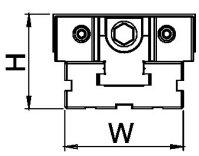
Premium Alloy Construction: Manufactured from wear-resistant high-alloy steel and case-hardened to HRC 60 ±2 for extreme rigidity, maximum precision retention, and prolonged service life.

100% Modular Interchangeability: All components are modular and perfectly aligned, offering flexible workholding configurations for custom or multi-vice setups.

Space-Saving Footprint: Compact yet robust construction maximizes clamping capacity relative to overall vice dimensions.

Extended Capacity Mounting: The back jaw includes a precision-ground rear face equipped with 4 additional tapped holes to attach jaw extensions for extra-large workpieces.





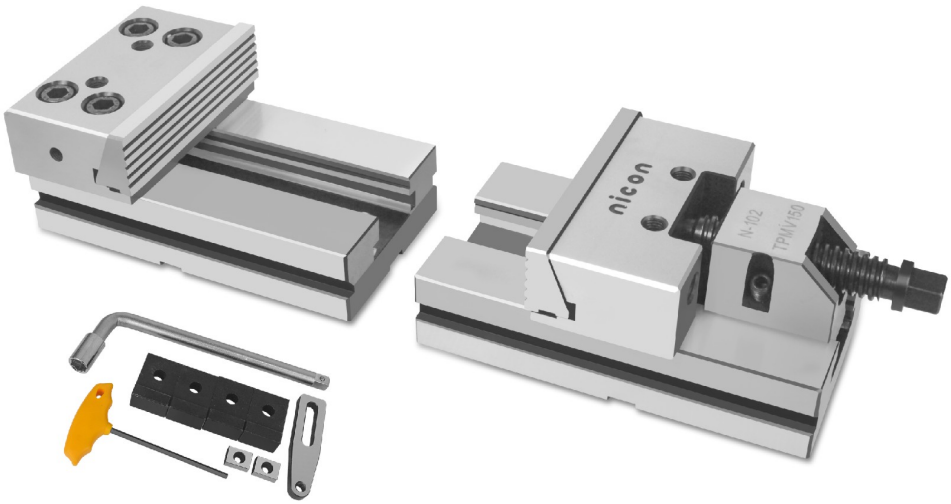
DIMENSIONS IN MM

MODEL NO.	L	L1	W	H	H1	O	J	J1	T	Weight in Kgs.	Clamping pressure in Kgs.
PMV100	362	415	97	85	45	175	40	110	16	14	2500
PMV150	450	520	125	100	50	225	50	150	16	27	3500
PMV150+	525	595	125	100	50	300	50	150	16	30	3500
PMV200	680	750	170	135	70	400	65	200	16	71	4000
PMV200+	780	850	170	135	70	500	65	200	16	78	4000

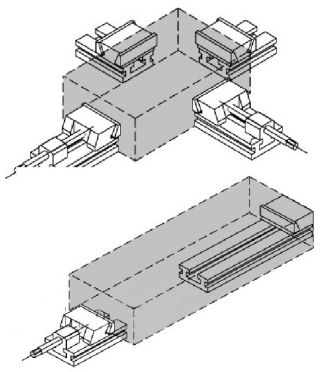
PRECISION TWO PIECE MODULAR VICE

CODE NO. N-102

nicon
PRECISION VICES



Examples of clamping with different shape of jobs.



KEY FEATURES

Flexible Two-Piece Modular System: Independent vice elements utilize the machine table as the working surface, allowing secure, rigid clamping for large or extra-long workpieces requiring heavy machining.

Alternative to Single & Double Vices: Serves as an ideal, flexible workholding solution for a wide range of machining applications and a versatile complement or alternative to standard vices.

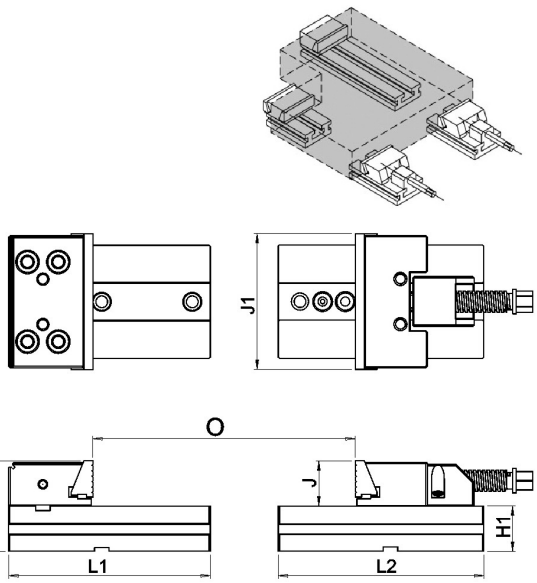
Pull-Down Angle Jaw Technology: Both jaw plates feature an integrated pull-down angle design, ensuring the workpiece is drawn firmly down against the vice base during clamping for zero part lift.

Premium Case-Hardened Steel: Manufactured from wear-resistant high-alloy steel, case-hardened to HRC 60 ±2 for maximum rigidity, high performance, and long operational life.

100% Interchangeable Alignment: All vice components are fully interchangeable with precise alignment, enabling versatile, customized work holding setups.

High Clamping Efficiency: Compact, space-saving design delivers a maximum clamping ratio relative to the vice's overall physical dimensions.

Extended Jaw Opening Capacity: Back jaw features a ground rear face equipped with 4 additional tapped holes to mount jaw extensions for oversized components.

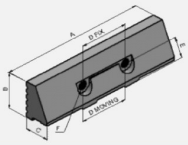
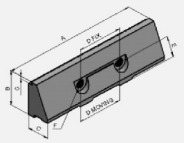
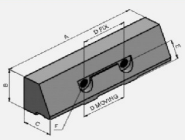
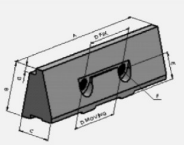
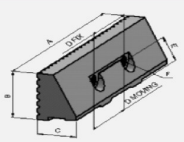
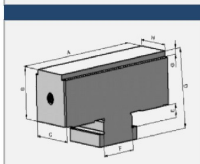
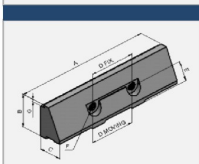
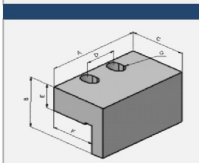
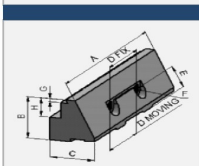


DIMENSIONS IN MM

MODEL NO.	L	W	H	O	L1	L2	H1	J	J1	T	Weight in Kgs.	Clamping pressure in Kgs.
TPMV150	Unlimited	125	100	Assorted	223	227	50	50	150	16	27	3500

OPTIONAL JAWS FOR PRECISION MODULAR MACHINE VICE (N-101, N-102)

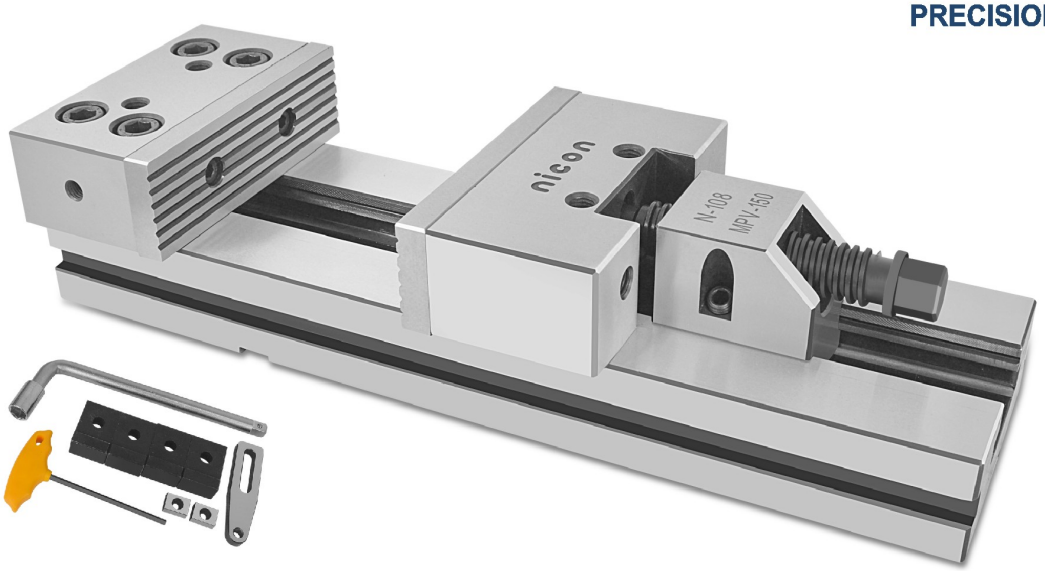
nicon PRECISION VICES

CODE NO. N.101, N.102	PARTICULARS	PRODUCT CODE	A	B	C	D FIX	D MOVING	E	F	G	H	Suitable For Model No.
	HARD JAW SET	PMV100HJ	110	30	19.5	40	76	12	M6	–	–	PMV100
		PMV150HJ	150	40	24	50	90	19	M8	–	–	TPMV150, PMV150 & PMV150+
		PMV200HJ	200	52	28	85	138	24.5	M10	–	–	PMV200 & PMV200+
	DIAMOND TEETH JAW SET 3X3MM	PMV100DTJ	110	30	19.5	40	76	12	M6	3	–	PMV100
		PMV150DTJ	150	40	24	50	90	19	M8	3	–	TPMV150, PMV150 & PMV150+
		PMV200DTJ	200	52	28	85	138	24.5	M10	3	–	PMV200 & PMV200+
	SOFT JAW SET	PMV100SJ	110	30	25	40	76	12	M6	–	–	PMV100
		PMV150SJ	150	40	32	50	90	19	M8	–	–	TPMV150, PMV150 & PMV150+
		PMV200SJ	200	52	35	85	138	24.5	M10	–	–	PMV200 & PMV200+
	STEP JAW SET	PMV100STJ	110	30	19.5	40	76	12	M6	5	–	PMV100
		PMV150STJ	150	40	24	50	90	19	M8	5	–	TPMV150, PMV150 & PMV150+
		PMV200STJ	200	52	28	85	138	24.5	M10	5	–	PMV200 & PMV200+
	SERRATED JAW SET	MMV100SRJ	110	30	19.5	40	76	12	M6	–	–	PMV100
		MMV150SRJ	150	40	24	50	90	19	M8	–	–	TPMV150, PMV150 & PMV150+
		MMV200SRJ	200	52	28	85	138	24.5	M10	–	–	PMV200 & PMV200+
	INTERMEDI ATE JAW	PMV100IJ	110	40	35	61	–	11	35	5	25	PMV100
		PMV150IJ	150	50	50	75	–	13	41	5	40	TPMV150, PMV150 & PMV150+
		PMV200IJ	200	65	60	101	–	18	55	5	50	PMV200 & PMV200+
	DIAMOND TEETH JAW SET 5X5MM	PMV100DTJ5	110	30	21.5	40	76	12	M6	5	–	PMV100
		PMV150DTJ5	150	40	25	50	90	19	M8	5	–	TPMV150, PMV150 & PMV150+
		PMV200DTJ5	200	52	30	85	138	24.5	M10	5	–	PMV200 & PMV200+
	EXTRA HEIGHT JAW SET	MMV100EJ	110	70	70	25	40	32.5	58	M10	–	PMV100
		MMV150EJ	150	90	90	50	–	42.5	70	M12	–	TPMV150, PMV150 & PMV150+
		MMV200EJ	200	105	105	60	76	45	85	M12	–	PMV200 & PMV200+
	COMBI-NATION JAW SET	PMV100DTSJ	110	30	27	40	76	12	M6	3	16	PMV100
		PMV150DTSJ	150	40	32	50	90	19	M8	3	18	TPMV150, PMV150 & PMV150+
		PMV200DTSJ	200	52	36	85	138	24.5	M10	3	20	PMV200 & PMV200+

PRECISION MODULAR VICE WITH PARALLEL JAWS

CODE NO. N-108

nicon
PRECISION VICES



KEY FEATURES

Multi-Process Versatility: Engineered specifically for precision milling, grinding, and extensive production use with CNC milling machines.

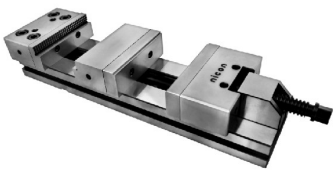
Precise Parallelism : Both the moving and fixed blocks are precision ground to maintain a parallelism accuracy of 0.01 mm, guaranteeing exact alignment and high-precision workpiece holding.

Dual-Face Accessory Mounting: Equipped with four additional tapped holes in both moving and fixed rear blocks on both the front and top faces, allowing easy integration of optional jaws, extensions, and custom fixtures.

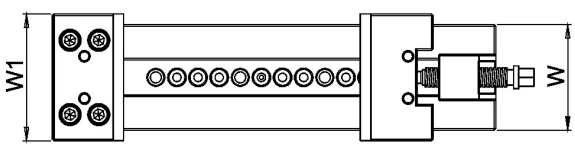
Case-Hardened Wear-Resistant Steel: Manufactured from premium high-alloy steel and case-hardened to HRC 60 ±2 for extreme rigidity, superior performance, and long operational life.

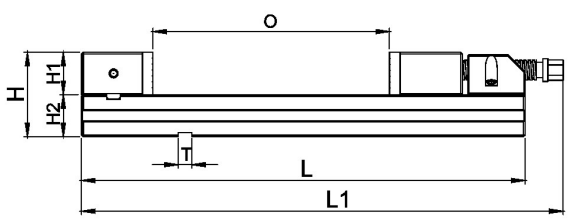
100% Modular Interchangeability: All components are fully interchangeable with perfect alignment, offering versatile, customizable work-holding configurations for various machining operations.

Maximum Clamping Efficiency: Compact, space-saving design paired with robust construction delivers an optimal clamping ratio relative to the vice's physical footprint.



customized vices available
in multiple buying



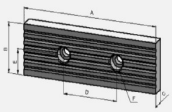
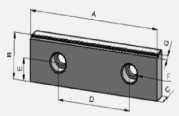
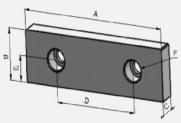
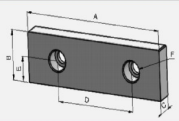
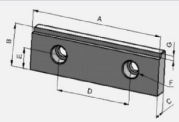
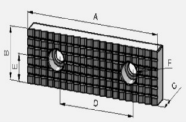
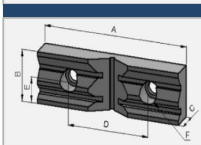
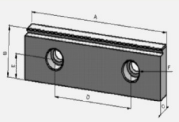
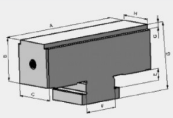
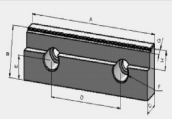


DIMENSIONS IN MM

MODEL NO.	L	L1	H	H1	H2	O	W	W1	T	Weight in Kgs.	Clamping pressure in Kgs.
MPV125	363	412	85	40	45	175	97	125	16	15	2500
MPV150	450	515	100	50	50	225	125	150	16	27	3500
MPV150+	525	590	100	50	50	300	125	150	16	30	3500

OPTIONAL JAWS FOR MODULAR VICE WITH PARALLEL JAWS

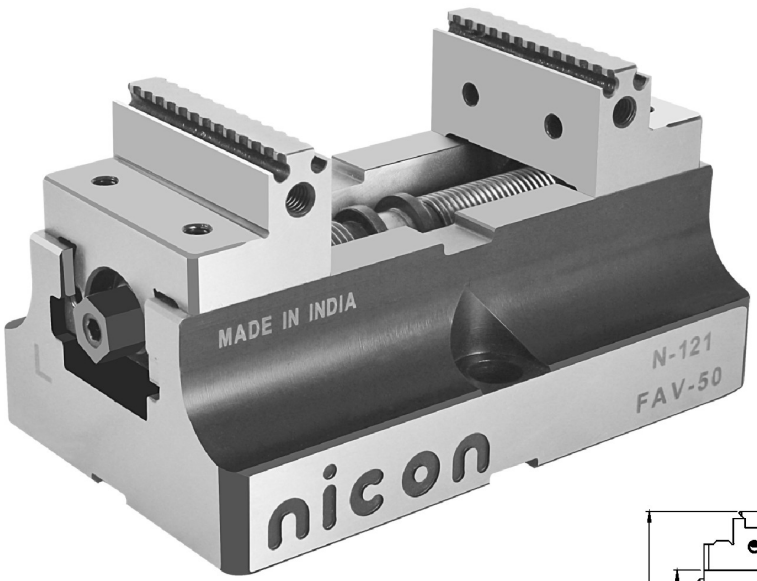
nicon PRECISION VICES

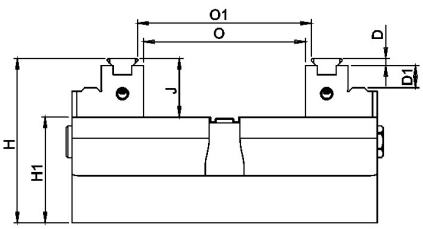
CODE NO. N.108	PARTICULARS	PRODUCT CODE	A	B	C	D	E	F	G	H	Suitable For Model No.
	HARD JAW SET	MPV125HJ	125	40	14	40	20	M8	–	–	MPV125
		MPV150HJ	150	50	15	60	25	M8	–	–	MPV150 & MPV150+
	DIAMOND TEETH JAW SET 3X3MM	MPV125DTJ	125	40	14	40	20	M8	3	–	MPV125
		MPV150DTJ	150	50	15	60	25	M8	3	–	MPV150 & MPV150+
	SOFT JAW SET	MPV125SJ	125	40	18	40	20	M8	–	–	MPV125
		MPV150SJ	150	50	23	60	25	M8	–	–	MPV150 & MPV150+
	ALUMINIUM JAW SET	MPV125AJ	125	40	14	40	20	M8	–	–	MPV125
		MPV150AJ	150	50	15	60	25	M8	–	–	MPV150 & MPV150+
	STEP JAW SET	MPV125STJ	125	40	14	40	20	M8	5	–	MPV125
		MPV150STJ	150	50	15	60	25	M8	5	–	MPV150 & MPV150+
	SERRATED JAW SET	MPV125SRJ	125	40	14	40	20	M8	–	–	MPV125
		MPV150SRJ	150	50	15	60	25	M8	–	–	MPV150 & MPV150+
	PRISMATIC JAW	MPV125PJ	125	40	23	40	20	M8	–	–	MPV125
		MPV150PJ	150	50	23	60	25	M8	–	–	MPV150 & MPV150+
	DIAMOND TEETH JAW SET 5X5MM	MPV125DTJ5	125	40	16	40	20	M8	5	–	MPV125
		MPV150DTJ5	150	50	17	60	25	M8	5	–	MPV150 & MPV150+
	INTERMEDIATE JAW	MPV125IJ	125	40	35	61	11	35	5	25	MPV125
		MPV150IJ	150	50	50	75	13	41	5	40	MPV150 & MPV150+
	COMBINATION JAW SET	MPV125DTSJ	125	40	20	40	20	M8	3	16	MPV125
		MPV150DTSJ	150	50	21	60	25	M8	3	18	MPV150 & MPV150+

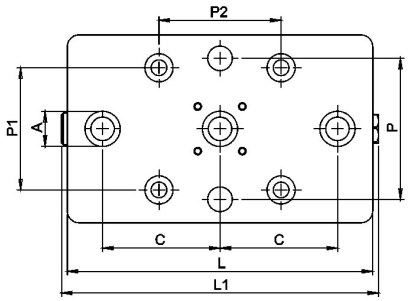
PRECISION SELF CENTERING 5-AXIS MACHINE VICE

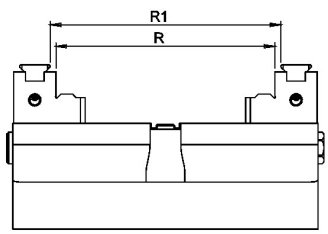
CODE NO. N-121

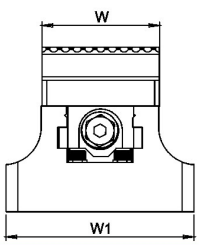
nicon
PRECISION VICES











KEY FEATURES

Self Centering 5-Axis Machine Vice Designed for Precision 4 & 5-Axis CNC Machines & Rotary Table usage, either in horizontal or Vertical Machining and widely used with Precision Milling Machines.

0.02 mm Position Repeatability: Guarantees precision centering repetition for consistent workpiece alignment across complex multi-axis milling operations.

High-Holding Clamping Force: Delivers up to approximately 2000 kg of clamping pressure, providing maximum holding power at minimum operator clamping effort.

Significant Material Savings: Clamps securely on a minimum workpiece depth of just 3 mm, drastically reducing raw material waste on costly alloy stock.

Optimized Tool Clearance: The compact, space-saving profile permits the use of shorter cutting tools, decreasing machining vibration, extending tool life, and delivering superior surface finishes.

HRC 60 ± 2 Case-Hardened Construction: High-alloy wear-resistant steel is utilized throughout the body and all accessories to guarantee high rigidity, maximum performance, and zero wear.

100% Interchangeability: All components are fully interchangeable with perfect alignment, allowing customizable workholding configurations for both single and multi-vice setups.

Ideal for use in 3 Axis machining centers also for mass production with multiple vices setup.

DIMENSIONS IN MM

MODEL NO.	L	L1	W	W1	H	H1	J	P	P1	P2	O	O1	D	D1	C	A	R	R1	Weight in Kgs.	Clamping pressure in Kgs.	Max Torque input in NM
FAV50M	90	95	50	80	70	45	25	60	52	52	30	35	3	9.5	30	15	55	60	2.1	2000	50
FAV50	130	135	50	80	70	45	25	60	52	52	70	75	3	9.5	50	15	95	100	2.8	2000	50

PRECISION SELF CENTERING 5-AXIS MACHINE VICE

CODE NO. N-121

nicon
PRECISION VICES



KEY FEATURES

Self Centering 5-Axis Machine Vice Designed for Precision 4 & 5-Axis CNC Machines & Rotary Table usage, either in horizontal or Vertical Machining and widely used with Precision Milling Machines.

0.02 mm Position Repeatability: Guarantees precision centering repetition for consistent workpiece alignment across complex multi-axis milling operations.

High-Holding Clamping Force: Delivers up to approximately 3000 kg of clamping pressure, providing maximum holding power at minimum operator clamping effort.

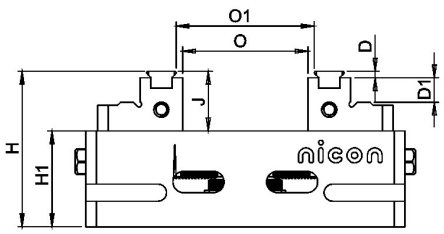
Significant Material Savings: Clamps securely on a minimum workpiece depth of just 3 mm, drastically reducing raw material waste on costly alloy stock.

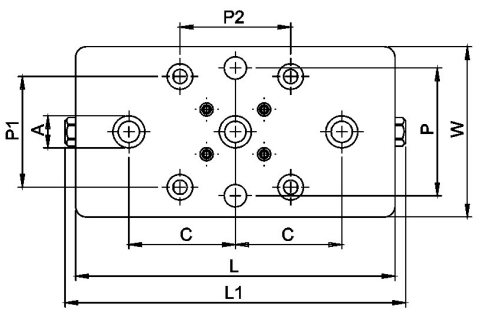
Optimized Tool Clearance: The compact, space-saving profile permits the use of shorter cutting tools, decreasing machining vibration, extending tool life, and delivering superior surface finishes.

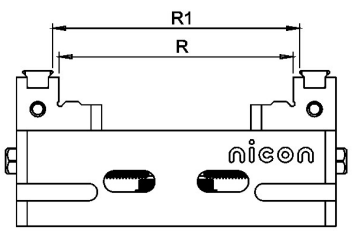
HRC 60 ± 2 Case-Hardened Construction: High-alloy wear-resistant steel is utilized throughout the body and all accessories to guarantee high rigidity, maximum performance, and zero wear.

100% Interchangeability: All components are fully interchangeable with perfect alignment, allowing customizable workholding configurations for both single and multi-vice setups.

Ideal for use in 3 Axis machining centers also for mass production with multiple vices setup.







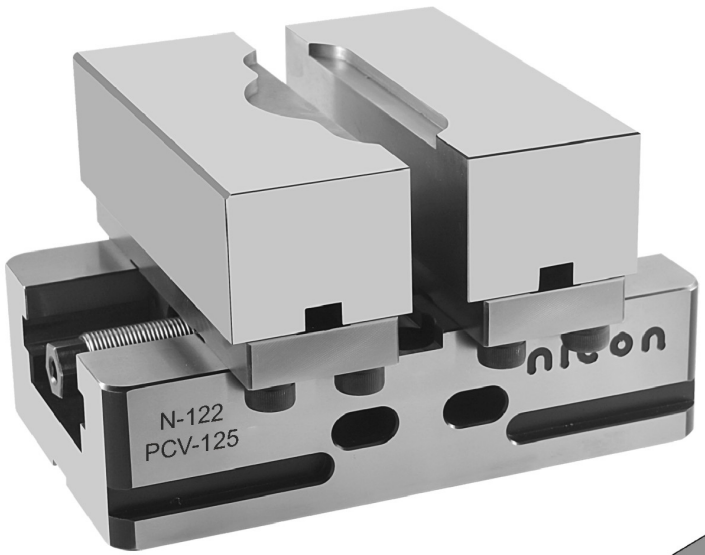
DIMENSIONS IN MM

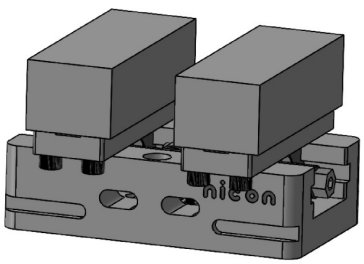
MODEL NO.	L	L1	W	H	H1	J	P	P1	P2	O	O1	D	D1	C	A	R	R1	Weight in Kgs.	Clamping pressure in Kgs.	Max Torque input in NM
FAV80M	120	130	80	73	45	28	60	52	52	40	45	3	11.5	50	15	79	85	3.6	2500	60
FAV80	150	160	80	73	45	28	60	52	52	70	75	3	11.5	50	15	109	115	4.2	2500	60
FAV100	165	170	100	81	50	31	80	52	52	75	81	3	12.5	50	15	119	125	6.3	2500	70
FAV125	210	210	125	90	57	33	100	96	96	110	116	3	10.5	75	15	159	165	11	3000	100
FAV125+	260	260	125	90	57	33	100	96	96	160	166	3	10.5	75	15	209	215	13	3000	100
FAV125XL	300	300	125	90	57	33	100	96	96	200	206	3	10.5	75	15	249	255	15	3000	100

SELF CENTERING PROFILE CLAMPING VICE

CODE NO. N-122

nicon
PRECISION VICES





KEY FEATURES

Dedicated 6th Face Machining Solution: Designed specifically for parts that have been 5-side machined using diamond teeth jaws. Provides a simple, cost-effective solution for clamping contoured components to finish the sixth face.

Flexible Soft Jaw System: Soft jaws are available for purchase in either steel or aluminum to suit various material and clamping force requirements.

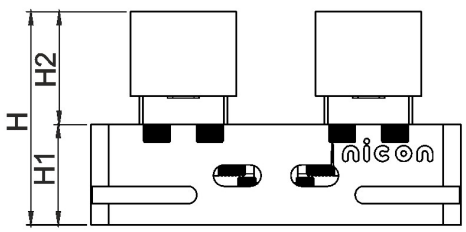
In-House Jaw Manufacturing Support: Complete technical drawings are provided in the catalogue, allowing machine shops to easily manufacture custom-contoured soft jaws in-house.

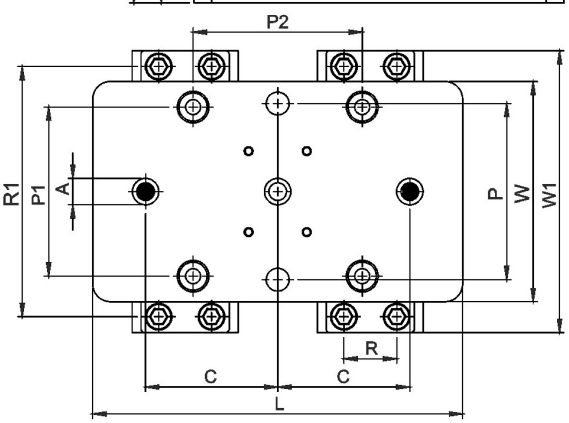
0.02 mm Position Repeatability: High precision center repetition position accuracy ensures exact alignment across batch production runs.

High Rigidity & Zero Wear: Body and all accessories are constructed from high-alloy quality wear-resistant steel, case-hardened to HRC 60 ± 2 for maximum durability ,high performance & no wear.

Space-Saving Solid Construction: Engineered to deliver a maximum blocking ratio relative to the total overall dimensions of the vice.

100% Interchangeable Components: All vice parts are modular and interchangeable with perfect alignment to support flexible workholding configurations.



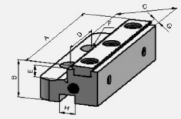
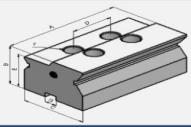
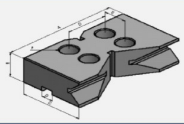
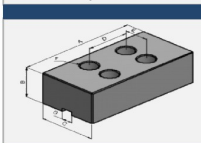
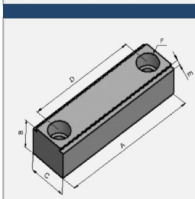
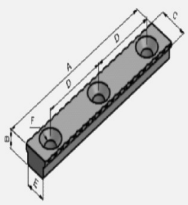
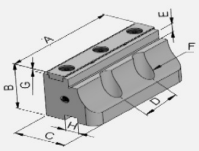


DIMENSIONS IN MM

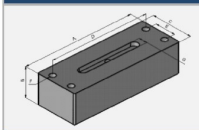
MODEL NO.	L	W	W1	H	H1	H2	P	P1	P2	C	A	R	R1	Weight in Kgs.	Clamping pressure in Kgs.	Max Torque input in NM
PCV80	150	80	125	105	45	60	60	52	52	50	15	22	105	9	2000	60
PCV125	210	125	160	120	57	63	100	96	96	75	15	30	142	18	3000	100

OPTIONAL JAWS FOR PRECISION SELF CENTERING 5-AXIS MACHINE VICE (N-121 & N-122)

nicon PRECISION VICES

CODE NO. N.121	PARTICULARS	PRODUCT CODE	A	B	C	D	E	F	G	H	Suitable For Model No.
	HARD STEPED JAW SET	FAV100HJ	100	31	45	35	12.5	M8	3	10	FAV100
		FAV125HJ	125	33	50	50	10.5	M10	3	12	FAV125, FAV125+ & FAV125XL
	ROUND JOB JAW SET	FAV100RJ	100	47	55	35	39	M8	10	–	FAV100
		FAV125RJ	125	60	70	45	52	M10	12	–	FAV125, FAV125+ & FAV125XL
	PRISMATIC JAW SET	FAV100PJ	100	30	53	35	22	M8	10	–	FAV100
		FAV125PJ	125	35	70	45	25	M10	12	–	FAV125, FAV125+ & FAV125XL
	SOFT JAW SET	FAV100SJ	100	35	60	35	22	M8	10	–	FAV100
		FAV125SJ	125	45	62	45	25	M10	12	–	FAV125, FAV125+ & FAV125XL
	INTERMEDIATE JAW	FAV80IJ	80	28	30	60	3	M10	–	–	FAV80& FAV80M
		FAV100IJ	100	31	30	80	3	M10	–	–	FAV100
		FAV125IJ	125	33	35	100	3	M12	–	–	FAV125, FAV125+ & FAV125XL
	DIAMOND TEETH JAW SET	FAV50DTJ	50	7	13	30	8	M4	–	–	FAV50& FAV50M
		FAV80DTJ	80	8	14	42	10	M5	–	–	FAV80& FAV80M
		FAV100DTJ	100	8	17	38	12	M6	–	–	FAV100
		FAV125DTJ	125	8	19	47	14	M6	–	–	FAV125, FAV125+ & FAV125XL
	EXTRA HEIGHT JAW SET	FAV100EJ	100	58	45	35	12.5	M8	3	10	FAV100
		FAV125EJ	125	63	50	45	10.5	M10	3	12	FAV125, FAV125+ & FAV125XL

OPTIONAL JAW FOR SELF CENTERING PROFILE CLAMPING VICE

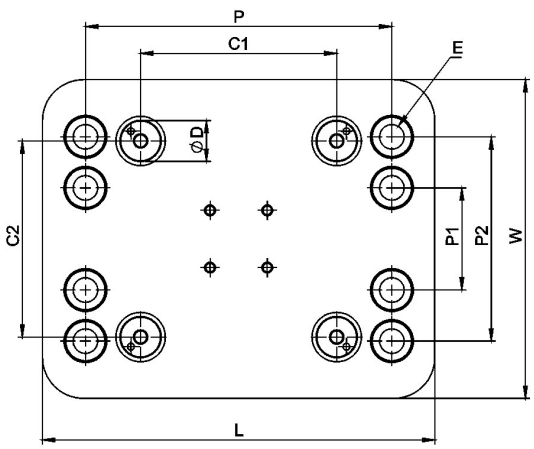
CODE NO. N. 122	PARTICULARS	PRODUCT CODE	A	B	C	D	E	F	G	H	Suitable For Model No.
	SOFT JAW SET	PCV80SJ	125	47	45	105	22	M8	12	–	PCV80
		PCV125SJ	160	47	60	142	30	M10	12	–	PCV125

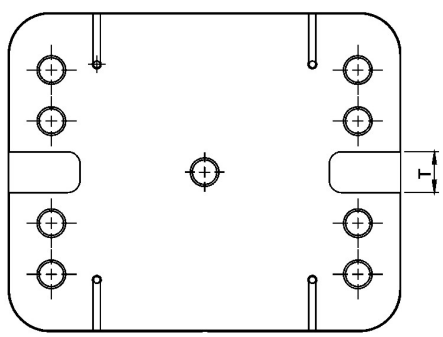
GRIP LOCK ZERO POINT CLAMPING RECEIVER PLATE

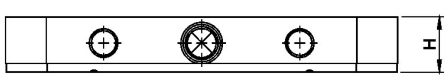
CODE NO. N-128

nicon
PRECISION VICES









KEY FEATURES

Maximum Setup Time Savings: Grip Lock base plates drastically reduce positioning and alignment times during fixture changeovers, keeping machine spindles running.

Single-Screw 4-Point Clamping: Space-saving, highly compact design achieves secure four-point clamping using only a single actuation screw.

Accumulated Tolerance Control: Installing these quick-change receiver plates across an entire production line effectively eliminates accumulated alignment errors across operations.

90° Centering Indexability: Fixtures can be turned in 90-degree increments while preserving high centering precision.

Standard Market Stud Support: Universal design supports standard market stud bolt distances (52 mm and 96 mm).

Optimized for Multi-Axis CNCs: Flexible configuration options make it especially well-suited for 4 and 5-axis machine tools with restricted bed clearance

DIMENSIONS IN MM

MODEL NO.	L	W	H	T	P	P1	P2	C1	C2	øD	E	Weight in Kgs.	Torque Input NM
GL52M	107	107	27	20	85	85	–	52	52	16	ø12H7	1.7	30
GL52	150	115	27	20	100	50	–	52	52	16	ø12H7	2.9	30
GL96	192	155	27	20	150	50	100	96	96	20	ø12H7	5.3	30

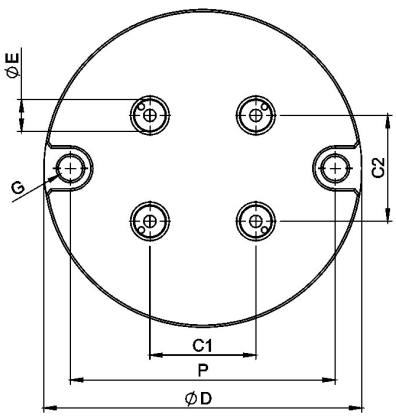
GRIP LOCK CIRCULAR ZERO POINT CLAMPING RECEIVER PLATE

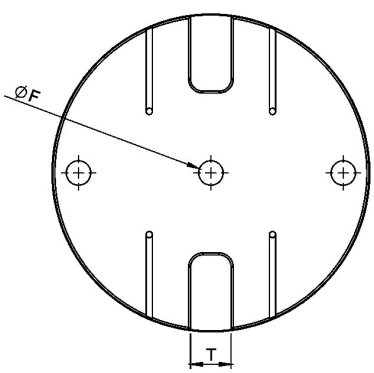
CODE NO. N-128R

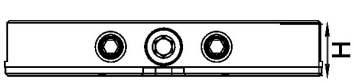
nicon
PRECISION VICES











KEY FEATURES

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Single-Screw 4-Point Clamping: Space-saving, highly compact design achieves secure four-point clamping using only a single actuation screw.

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Standard Market Stud Support: Universal design supports standard market stud bolt distances (52 mm and 96 mm).

Optimized for Multi-Axis CNCs: Flexible configuration options make it especially well-suited for 4 and 5-axis machine tools with restricted bed clearance.

DIMENSIONS IN MM

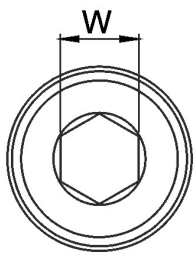
MODEL NO.	ØD	H	T	P	C1	C2	ØE	ØF	G	Weight in Kgs.	Torque Input NM
GLR52M	120	27	20	100	52	52	16	12	ø12H7	1.8	30
GLR52	156	27	20	130	52	52	16	12	ø12H7	3.4	30
GLR96	195	27	20	165	96	96	20	12	ø12H7	5.4	30

PULL STUDS FOR GRIPLOCK ZERO POINT RECEIVER

CODE NO. N-129

nicon
PRECISION VICES





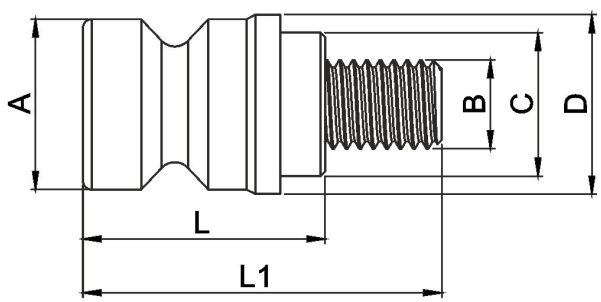
KEY FEATURES

Zero-Point Receiver Integration: Designed specifically for seamless engagement with Grip-Lock Zero Point Clamping Receiver Plates.

Premium Case-Hardened Alloy Steel: Manufactured from high-alloyed quality resistance steel and case-hardened to HRC 60 for maximum rigidity, high performance, and zero wear over continuous setup cycles.

Broad System Compatibility: Fully compatible with Nicon 5-Axis Vices as well as major competitor zero-point systems utilizing standard 52 mm / 96 mm stud patterns.

Flexible Mounting Solutions: Perfect for building quick-change sub-plates, fixture plates, or mounting directly to raw workpieces for rapid part swap-outs.



DIMENSIONS IN MM

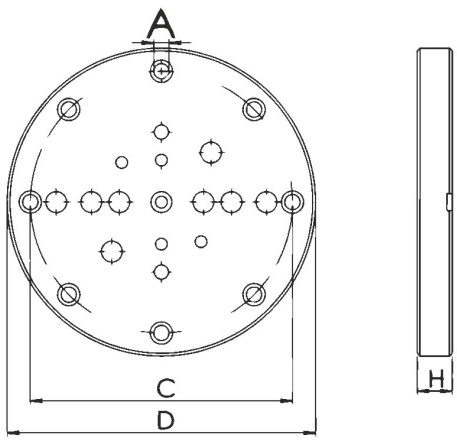
MODEL NO.	D	L	L1	A	W	C	B
NPS16	16	27	36	15	6	12	M8
NPS20	20	27	40	19	8	16	M10

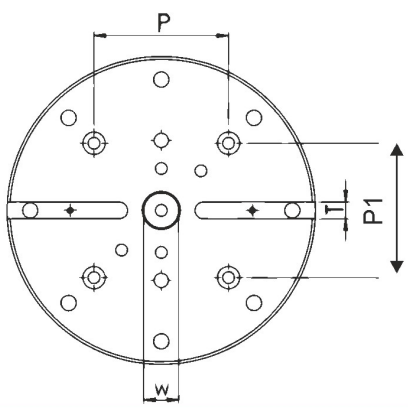
ADAPTOR PLATES FOR 5 AXIS VICES

CODE NO. N-130S

nicon
PRECISION VICES







KEY FEATURES

Universal Table Interface: Designed specifically for 5-axis vices to adapt effortlessly to a wide range of CNC rotary tables and machine tables.

Reduces Setup Time: Drastically lowers vice setup and changeover time on rotary tables, helping maintain high spindle uptime.

Simplified Vice Mounting: Provides an easier, more efficient method to secure 5-axis vices onto various machine tables.

Hardened All-Steel Construction: Built entirely from high-grade alloy steel and hardened throughout to deliver maximum strength and wear resistance.

Precision Ground Accuracy: Precision ground on all flat surfaces as well as guide pin bores to guarantee exact reference alignment and flatness.

DIMENSIONS IN MM

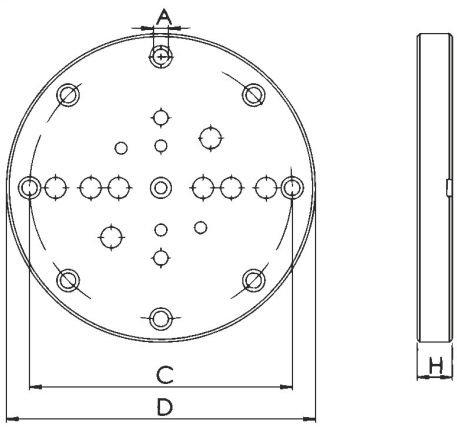
MODEL NO.	D	H	C	A	W	P	P1	T	Weight in Kgs.	Suitable for Vices
NSPS160	160	25	135	11	25	52	52	12	3.5	FAV-50M, 50, 80M & 80
NSPS220	220	25	187	11	25	96	96	12	6.8	FAV-50M, 50, 80M, 80, 100, 125 & 125+

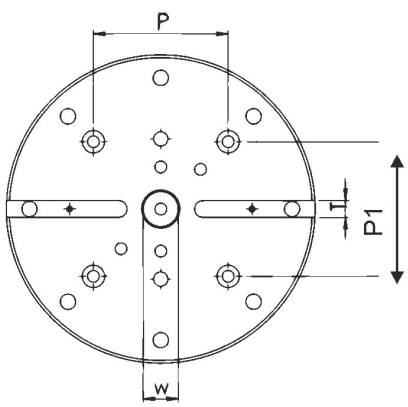
ADAPTOR PLATES FOR 5 AXIS VICES

CODE NO. N-130A

nicon
PRECISION VICES







KEY FEATURES

Universal Table Interface: Designed specifically for 5-axis vices to adapt effortlessly to a wide range of CNC rotary tables and machine tables.

Reduces Setup Time: Drastically lowers vice setup and changeover time on rotary tables, helping maintain high spindle uptime.

Simplified Vice Mounting: Provides an easier, more efficient method to secure 5-axis vices onto various machine tables.

High-Alloy Anodized Aluminium: CNC-machined from premium high-alloy aluminum and finished with a protective anodized coating for high strength, lower total weight, and outstanding resistance to coolants and wear.

Precision Ground Accuracy: Precision ground on all flat surfaces as well as guide pin bores to guarantee exact reference alignment and flatness.

DIMENSIONS IN MM

MODEL NO.	D	H	C	A	W	P	P1	T	Weight in Kgs.	Suitable for Vices
NSPA160	160	25	135	11	25	52	52	12	1.2	FAV-50M, 50, 80M & 80
NSPA220	220	25	187	11	25	96	96	12	2.4	FAV-50M, 50, 80M, 80, 100, 125 & 125+

RAISER BLOCK FOR 5 AXIS VICES (WITHOUT VICE)

CODE NO. N-123

nicon
PRECISION VICES



KEY FEATURES

High-Alloy Aluminium Construction: Manufactured from premium 6061-T651 high-alloy aluminium for lightweight strength, structural rigidity, and long service life.

Corrosion-Resistant Anodized Coating: Features a hard protective anodized surface finish that resists wear, coolant degradation, and scratching.

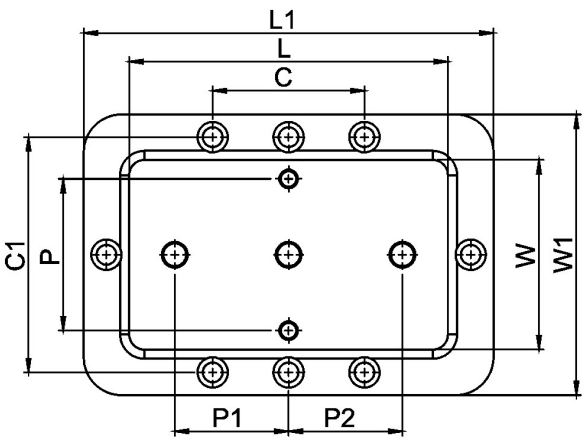
Complete 5-Sided Machining Reach: Risers elevate, position, and locate the workpiece cleanly above the machine or rotary table, providing uninhibited cutting access across all five sides of the part in a single clamping setup.

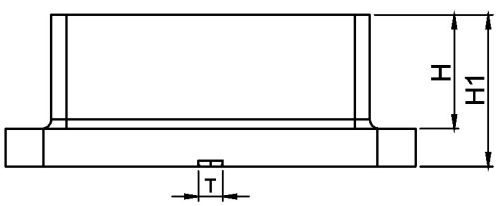
Spindle Dead Zone Elimination: Engineered specifically for 3-Axis Vertical Machining Centers (VMCs) and 4-Axis,5-Axis Horizontal Machining Centers to bridge spindle travel constraints and eliminate dead zones.

Rotary Table Integration: Easily mounts to machine tables, rotary tables to provide optimal z-height clearance during complex multi-axis indexing.

Enhanced Tooling Stability: By bringing the workpiece into the optimal spindle envelope, operators can run shorter, more rigid cutting tools for less chatter, longer cutter life, and superior surface finishes.

Direct Nicon Vice Integration: Tailored specifically for use with Nicon 5-Axis Vice models (supplied standalone as a raiser block, without vice).





DIMENSIONS IN MM

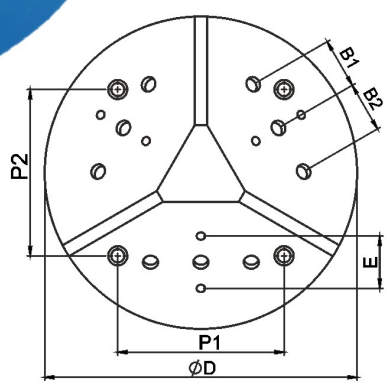
MODEL NO.	L	L1	W	W1	H	H1	T	P	P1	P2	C	C1	Weight in Kgs.
RBA80	150	210	80	140	75	100	16	60	50	50	100	110	4.2
RBA100	165	230	100	160	75	100	16	80	50	50	100	130	5.6
RBA125	210	270	125	185	75	100	16	100	75	75	100	155	8.5
RBA125+	260	320	125	185	75	100	16	100	75	75	200	155	10.3

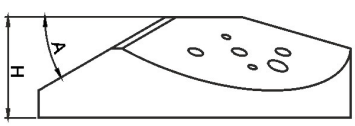
NICON 3 FACE PYRAMID RAISER BLOCK (WITHOUT VICES)

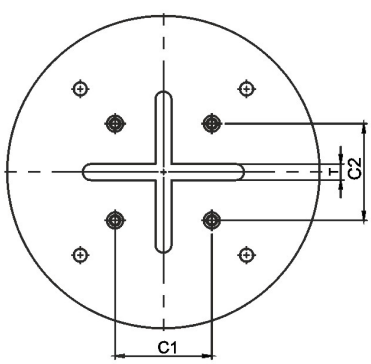
CODE NO. N-124

nicon
PRECISION VICES









KEY FEATURES

High-Density Multi-Part Machining: Designed to attach three vices simultaneously for 5-axis machining of multiple components in a single machine setup.

Optimized 30-Degree Mounting Angles: Each vice face is positioned at a 30-degree angle to provide maximum spindle access, cutter clearance, and uninhibited tool paths across all machined surfaces.

High-Alloy Anodized Aluminum: CNC-machined from lightweight 6061-T651 high-alloy aluminum and finished with a protective anodized coating to resist wear and corrosion.

Ø 310 mm Universal Base: Features a robust 310 mm diameter base compatible with a wide variety of 5-axis CNC machining centers and 5-axis rotary tables.

Pre-Drilled Mounting Pattern: Pre-drilled for fast, straightforward bolt-down mounting onto machine tables, sub-plates, or pallet receivers.

DIMENSIONS IN MM

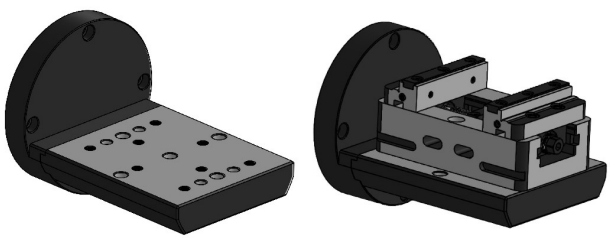
MODEL NO.	D	H	T	P1	P2	C1	C2	A	B1	B2	E	Weight in Kgs.	Suitable for Vices
PRB80	310	100	16	165	165	96	96	30°	50	50	60	13.300	FAV 50, 80M, 80

SINGLE STATION FIXTURE FOR 4TH & 5TH AXIS ROTARY TABLES

CODE NO. N-410

nicon PRECISION VICES





KEY FEATURES

Direct 5-Axis Vice Adaptability: Specifically engineered to mount, align, and secure 5-axis machine vices onto 4th axis CNC rotary table faceplates or trunnion sub-plates.

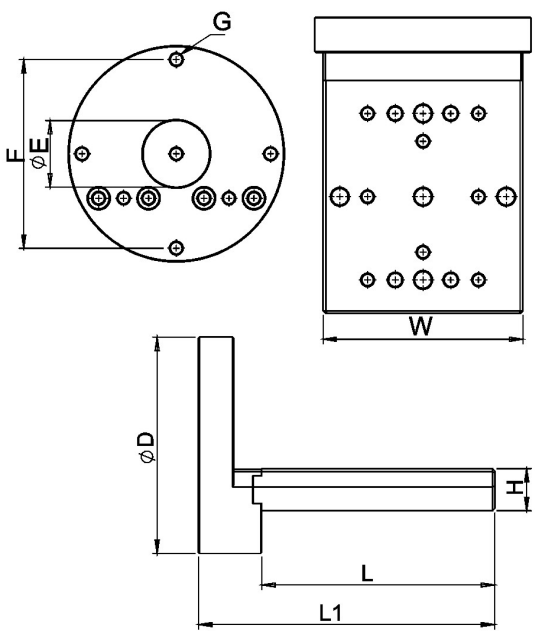
4th Axis Rotary Optimization: Enables smooth 360-degree rotational indexing while utilizing compact 5-axis vices for complex part geometries.

Premium Case-Hardened Steel: Manufactured from wear-resistant high-alloy steel, case-hardened to HRC 60 ± 2 for maximum structural stiffness and zero wear.

Precision Ground Locating: Precision ground on all mounting faces and guide pin bores to maintain exact positioning accuracy within ± 0.01mm.

Low Mass & Rotational Balance: Compact, space-saving footprint minimizes rotational inertia on the 4th axis worm gear, protecting drive motors during high-speed indexing.

Rapid Vice Changeover: Standardized pre-bored mounting pattern allows quick, repeatable attachment and removal of 5-axis vices.



DIMENSIONS IN MM

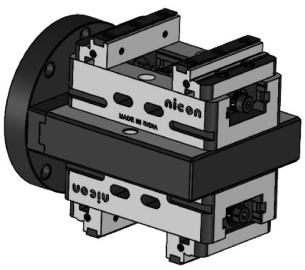
MODEL NO.	øD	L	L1	W	H	øE	F	G	Suitable for Vices	Suitable for Plates	Weight In Kgs.
SSF150	ø180	145	190	140	40	ø50	120	M10	FAV50, FAV80M & FAV80	GL52M & GL52	7.5
SSF200	ø195	210	267	180	38	ø60	170	M10	FAV125 & FAV125+	GL96	19.5

DOUBLE STATION FIXTURE FOR 4TH & 5TH AXIS ROTARY TABLES

CODE NO. N-411

nicon
PRECISION VICES





KEY FEATURES

Double Station Productivity: Specifically engineered to adapt, mount, and locate two 5-axis machine vices simultaneously onto 4th axis CNC rotary tables, doubling workpiece throughput per machining cycle.

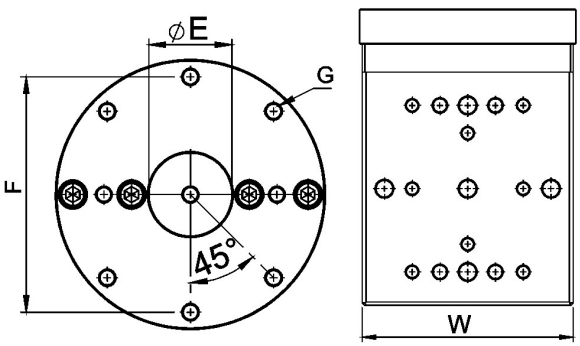
Rotary Table Optimization: Connects seamlessly to 4th axis faceplates, trunnion units, or tailstock sub-plates for robust 360-degree rotational indexing.

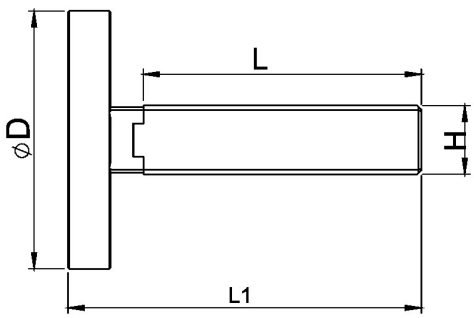
Premium Case-Hardened Steel: Manufactured from wear-resistant high-alloy steel, case-hardened to HRC 60 ± 2 for maximum structural stiffness and zero wear.

Precision Ground Locating: Precision ground on all mounting faces and guide pin bores to maintain exact dual-station centering repeatability within ± 0.01 mm.

Low Mass & Dynamic Balance: Compact, space-saving footprint minimizes rotational inertia on the 4th axis worm gear, protecting drive motors during high-speed indexing.

Rapid Vice Changeover: Standardized pre-bored mounting patterns allow quick, repeatable attachment and removal of multiple 5-axis vices.





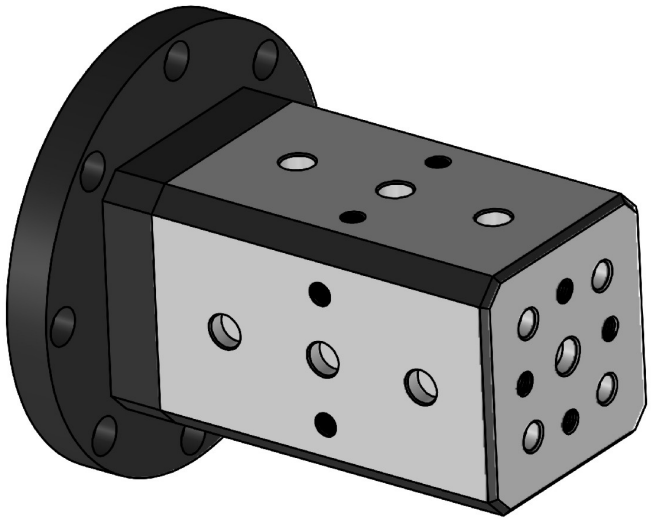
DIMENSIONS IN MM

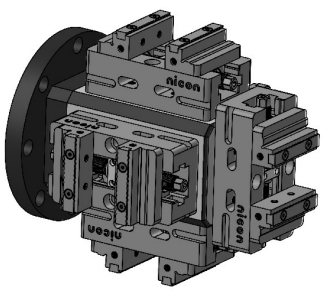
MODEL NO.	øD	L	L1	W	H	øE	F	G	Suitable for Vices	Suitable for Plates	Weight In Kgs.
DSF150	ø180	145	190	140	40	ø50	160	M10	FAV50, FAV80M & FAV80	GL52M & GL52	11.2
DSF200	ø195	210	267	190	52	ø60	170	M10	FAV125 & FAV125+	GL96	25

MULTI STATION FIXTURE FOR 4TH & 5TH AXIS ROTARY TABLES

CODE NO. N-412

nicon
PRECISION VICES





KEY FEATURES

High-Density Multi-Station Capacity: Specifically engineered to adapt, mount, and locate multiple 5-axis machine vices simultaneously onto 4th axis CNC rotary tables, drastically increasing part density and machine throughput per cycle.

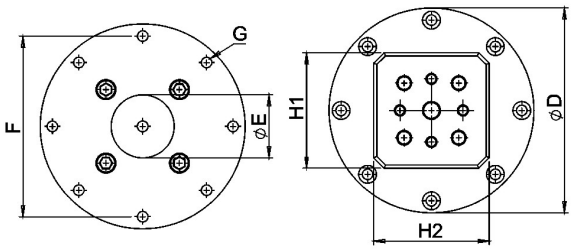
Rotary Table Optimization: Connects seamlessly to 4th axis faceplates, trunnion units, or tailstock sub-plates for high-efficiency 360-degree rotational indexing.

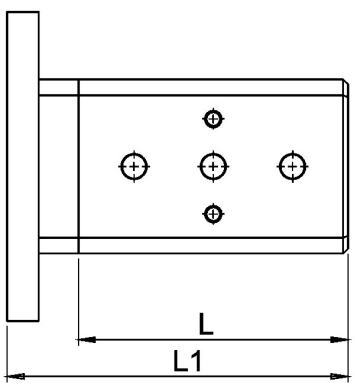
Premium Case-Hardened Steel: Manufactured from wear-resistant high-alloy steel, case-hardened to HRC 60 ± 2 for maximum structural stiffness and zero wear over extended production runs.

Precision Ground Locating: Precision ground on all mounting faces and guide pin bores to maintain exact multi-station centering repeatability within ± 0.02 mm.

Low Mass & Dynamic Balance: Compact, space-saving footprint minimizes rotational inertia on the 4th axis worm gear, protecting drive motors during high-speed indexing.

Rapid Vice Changeover: Grid-patterned pre-bored mounting patterns allow quick, repeatable attachment and removal of multiple 5-axis vices.





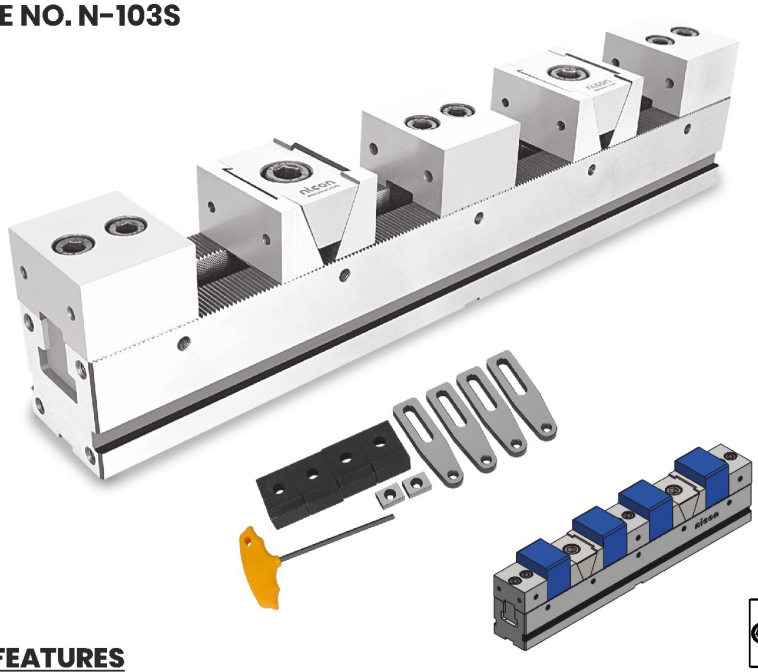
DIMENSIONS IN MM

MODEL NO.	øD	L	L1	H1	H2	øE	F	G	Suitable for Vices	Weight In Kgs.
MSF150	ø195	170	215	110	110	ø60	172	M10	FAV50, FAV80M & FAV80	22

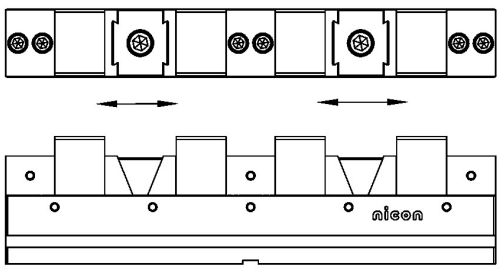
MULTI GRIP MACHINE VICE WITH SERRATED SLIDE WAYS

CODE NO. N-103S

nicon
PRECISION VICES



CLAMPING POSSIBILITIES WITH DIFFERENT SIZE OF JOBS				
No. of Pieces	MGVS-5030	MGVS-7050	MGVS-7060	MGVS-7070
1	165mm	325mm	425mm	525mm
2	80mm	160mm	205mm	260mm
3	-	80mm	110mm	150mm
4	15mm	48mm	70mm	100mm
5	–	25mm	45mm	65mm
6	–	12mm	28mm	45mm
7	–	–	15mm	28mm
8	–	–	–	18mm



KEY FEATURES

Flexible Multi-Workpiece Clamping: A modular clamping concept designed to maximize machine table capacity by clamping several workpieces of various sizes simultaneously in a single setup.

Hardened & Ground Serrated Slideways: Engineered with precision ground serrated slideways and fixed jaws to ensure rock-solid, vibration-free clamping during aggressive milling operations.

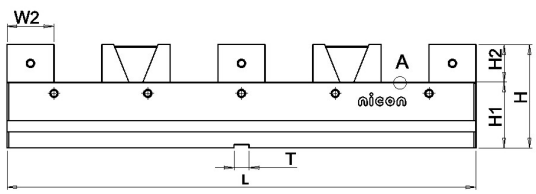
Case-Hardened High-Alloy Construction: Constructed from high-alloy quality resistance steel, case-hardened to HRC 60 ± 2 across the entire vice body and accessories for maximum rigidity and zero wear.

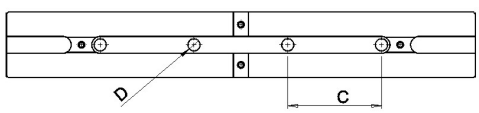
Highest Positioning Accuracy: Guarantees exceptional alignment and positioning precision within 0.02 mm across all clamping stations.

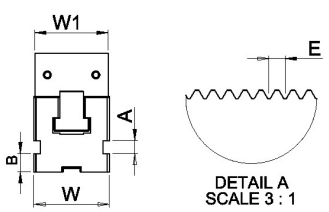
Modular Stacking & Tombstone Mounting: Multigrip vices can be vertically assembled, linked in series, or clamped to specialized workholding structures and HMC tombstones.

Dramatically Reduces Setup Time: Minimizes tool changeover times and idle spindle cycles by increasing part loading density on the machine table.

Standard Package Supply: Each unit is supplied complete with 3 fixed jaws and 2 precision wedge clamps.







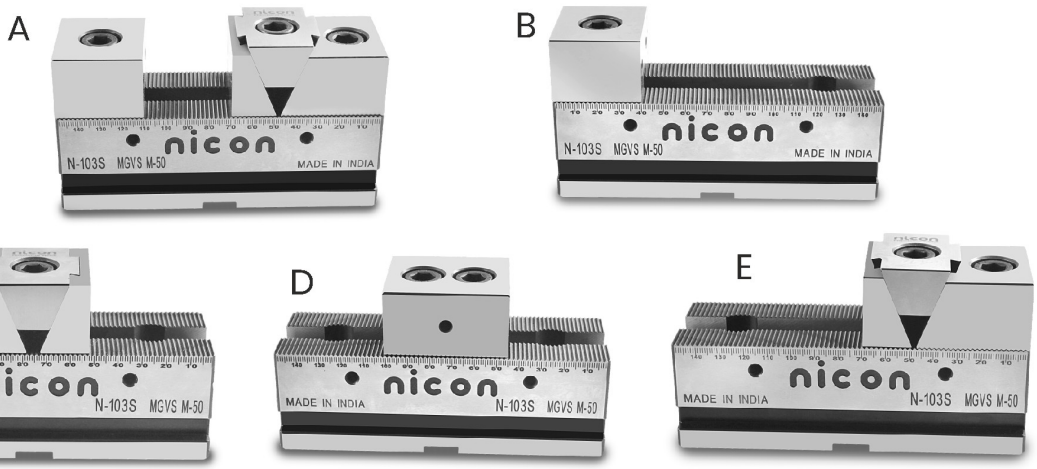
DIMENSIONS IN MM

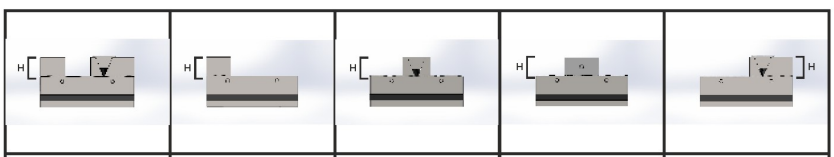
MODEL NO.	L	H	H1	H2	W	W1	W2	T	A	B	C	D	E	Weight in Kgs.	Clamping Pressure in Kgs.
MGVS5030	300	80	50	30	50	48	40	16	10	10	50	M12	1.5	6	3000
MGVS7050	500	110	70	40	70	68	50	16	12	17	100	M12	1.5	22	5000
MGVS7060	600	110	70	40	70	68	50	16	12	17	100	M12	1.5	25	5000
MGVS7070	700	110	70	40	70	68	50	16	12	17	100	M12	1.5	28	5000

MULTI GRIP MACHINE VICE ADJUSTABLE VERSION

CODE NO. N-103AV

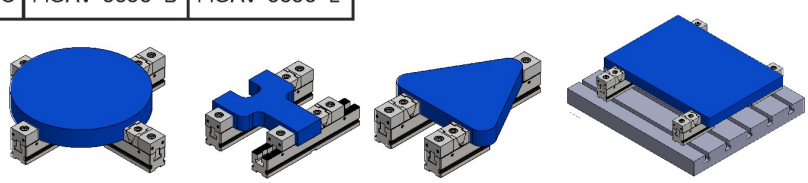
nicon PRECISION VICES





MGAV-5030-A	MGAV-5030-B	MGAV-5030-C	MGAV-5030-D	MGAV-5030-E

EXAMPLES OF CLAMPING WITH DIFFERENT SHAPE OF JOBS.



KEY FEATURES

Universal Shape Adaptability: Specifically engineered for flexible clamping of square, round, or complex irregular-shaped workpieces with equal rigidity.

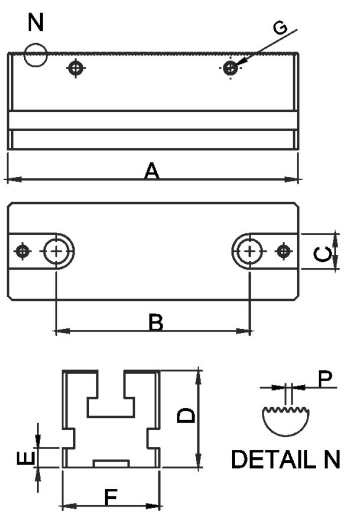
Fast Location Adjustment: Allows operators to quickly adjust vice location for different sized parts, streamlining job setups and increasing machine table productivity.

Hardened & Ground Serrated Slideways: Features precision ground serrated slideways and fixed jaws to ensure rock-solid, slip-free workpiece holding under heavy milling forces.

Hardened High-Alloy Construction: Built entirely from high-alloy quality resistance steel, case-hardened to HRC 60 ± 2 across the vice body and accessories for maximum stiffness and zero wear.

Highest Positioning Accuracy: Delivers exceptional alignment and positioning precision within 0.02 mm across all clamping stations.

Modular Stacking & Tombstone Mounting: Multigrip adjustable vices can be vertically assembled, linked in series, or clamped directly to dedicated workholding structures and HMC tombstones.



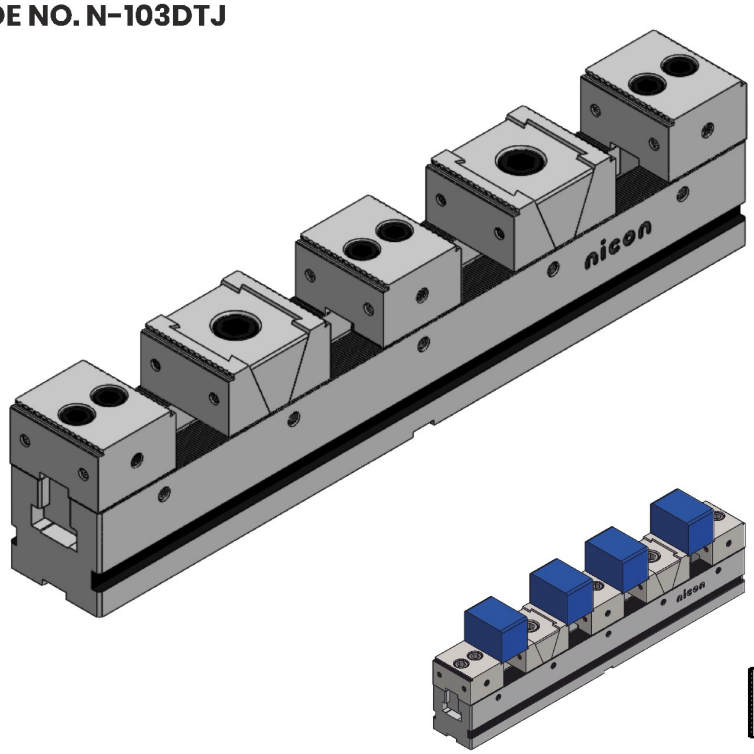
DIMENSIONS IN MM

MODEL NO.	A	B	C	D	E	F	G	P	H	Weight in Kgs.
MGAV5030	150	100	18	50	10	50	M6	1.5	30	2.1

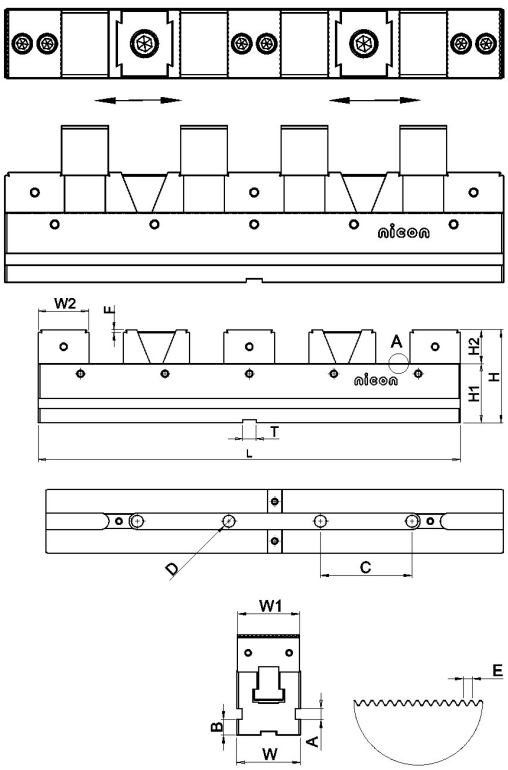
MULTIGRIP MACHINE VICE WITH DIAMOND TEETH JAWS

CODE NO. N-103DTJ

nicon
PRECISION VICES



CLAMPING POSSIBILITIES WITH DIFFERENT SIZE OF JOBS				
No. of Pieces	MGVDT-5030	MGVDT-7050	MGVDT-7060	MGVDT-7070
1	171mm	331mm	431mm	531mm
2	86mm	166mm	211mm	266mm
3	–	86mm	116mm	156mm
4	21mm	54mm	76mm	106mm
5	–	31mm	51mm	71mm
6	–	18mm	34mm	51mm
7	–	–	21mm	34mm
8	–	–	–	24mm



KEY FEATURES

High-Traction Diamond-Teeth Jaws: Engineered with hardened diamond-pattern serrated teeth that bite into raw stock, billets, and castings to provide an unyielding mechanical lock, preventing part slippage under heavy cutting loads.
Flexible Multi-Workpiece Clamping: A modular clamping concept designed to maximize machine table capacity by clamping several workpieces of various sizes simultaneously in a single setup.
Hardened & Ground Serrated Slideways: Engineered with precision ground serrated slideways and fixed jaws to ensure rock-solid, vibration-free clamping during aggressive milling operations.
Case-Hardened High-Alloy Construction: Constructed from high-alloy quality resistance steel, case-hardened to HRC 60 ± 2 across the entire vice body and accessories for maximum rigidity and zero wear.
Highest Positioning Accuracy: Guarantees exceptional alignment and positioning precision within 0.02 mm across all clamping stations.
Modular Stacking & Tombstone Mounting: Multigrip vices can be vertically assembled, linked in series, or clamped to specialized workholding structures and HMC tombstones.
Dramatically Reduces Setup Time: Minimizes tool changeover times and idle spindle cycles by increasing part loading density on the machine table.
Standard Package Supply: Each unit is supplied complete with 3 fixed jaws with diamond teeth and 2 precision wedge clamps.

DIMENSIONS IN MM

MODEL NO.	L	H	H1	H2	W	W1	W2	T	A	B	C	D	E	F	Weight in Kgs.	Clamping Pressure in Kgs.
MGVDT5030	300	80	50	30	50	48	40	16	10	10	50	M12	1.5	3	6	3000
MGVDT7050	500	110	70	40	70	68	60	16	12	17	100	M12	1.5	3	22	5000
MGVDT7060	600	110	70	40	70	68	60	16	12	17	100	M12	1.5	3	25	5000
MGVDT7070	700	110	70	40	70	68	60	16	12	17	100	M12	1.5	3	28	5000

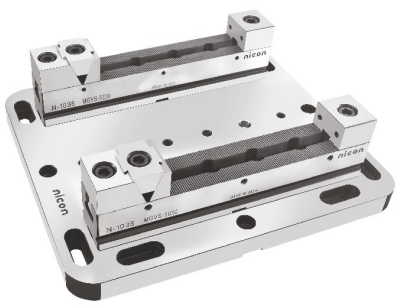
FIXTURE PLATES FOR MULTIGRIP MACHINE VICES (WITHOUT VICES)

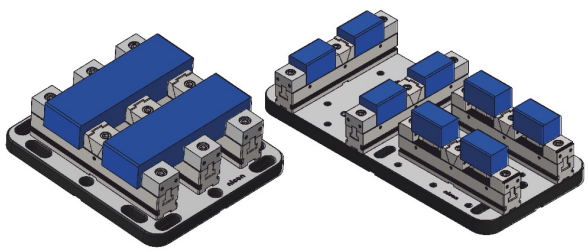
CODE NO. N-421

nicon
PRECISION VICES









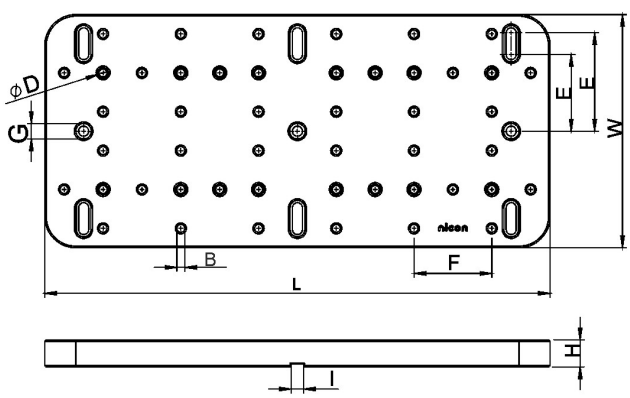
KEY FEATURES

Designed for high-precision CNC milling, vertical machining centers (VMCs), and automated production, this multi-station fixture plate transforms standard vice setups into high-density workholding solutions. It significantly reduces setup times, maximizes machine table utilization, and delivers repeatable clamping accuracy across high-mix, low-volume and mass-production runs.

Premium Case-Hardened Steel: Manufactured from wear-resistant high-alloy steel, case-hardened to HRC 55 ± 2 for maximum structural stiffness and zero wear.

Rapid Alignment: Underside features precision-ground keyways and tenon slots to positioning accuracy for immediate alignment with Sub Plates & machine table T-slots

Rapid Vice Changeover: Standardized pre-bored mounting pattern allows quick, repeatable attachment and removal of Multi grip vices.



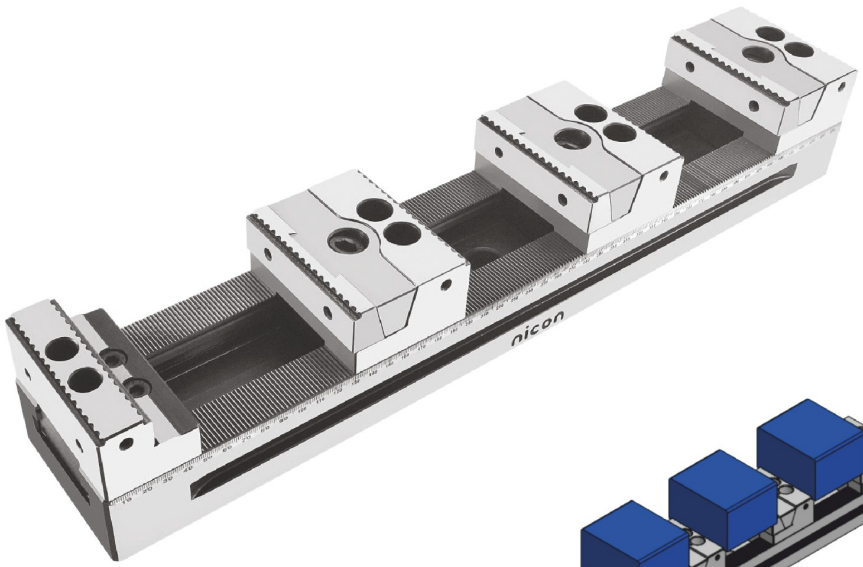
DIMENSIONS IN MM

MODEL NO.	L	W	H	ØD	E	F	G	B	I	Weight in Kgs.
FPMGV3732	370	320	28	Ø14	100-125	100	M12	M12	16	23.5
FPMGV6530	650	300	35	Ø14	100-125	100	M12	M12	16	50

LOW PROFILE MULTIGRIP MODULAR VICE

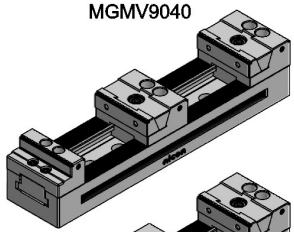
CODE NO. N-431

nicon
PRECISION VICES

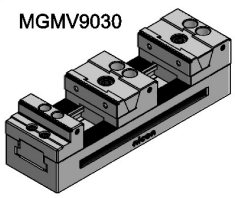


CLAMPING POSSIBILITIES WITH DIFFERENT SIZE OF JOBS			
No. of Pieces	MGMV9030	MGMV9040	MGMV9050
1	185	285	385
2	55	105	155
3	15	45	80
4	–	18	43
5	–	–	20
6	–	–	8

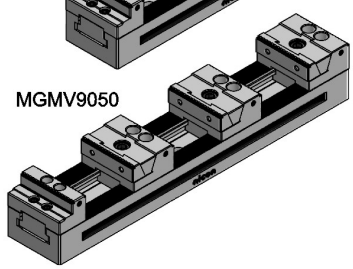
MGMV9040



MGMV9030



MGMV9050



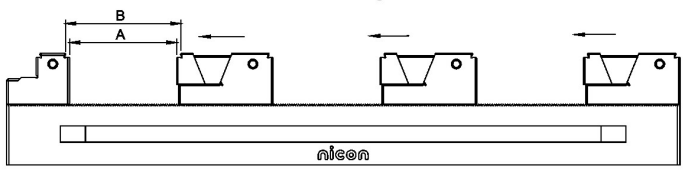
KEY FEATURES

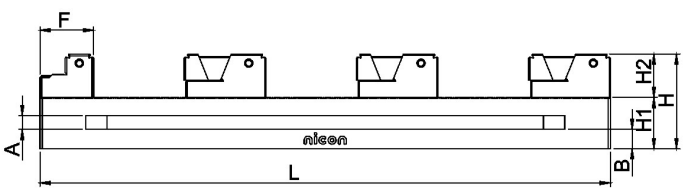
Lift-Off Quick-Change Mechanism: Jaws detach vertically upward directly off the base serrations/rail rather than sliding out sideways through the ends, eliminating the need to clear surrounding table space or adjacent fixtures during retooling.

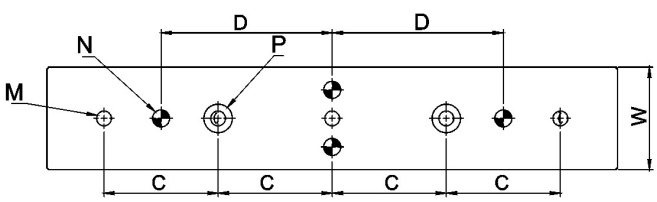
Compact & Slim Profile: Reduced jaw footprint minimizes machine envelope usage, maximizing the usable work zone on CNC milling tables and multi-axis machining centers.

Multi-Part Workholding Capability: Multiple jaws can be placed along a single serrated bed rail to hold several small-to-medium workpieces simultaneously in a single setup cycle.

Higher Machining Throughput: Rapid adjustment between different workpiece geometries significantly drops spindle downtime and batch setup times.







DIMENSIONS IN MM

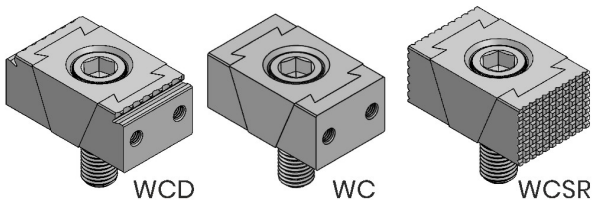
MODEL NO.	L	H	H1	H2	W	F	M	N	P	C	D	A	B	Weight in Kgs.	Clamping Pressure in Kgs.
MGMV9030	300	83	45	38	90	47	M12	15	25	100	150	12	17	12	5000
MGMV9040	400	83	45	38	90	47	M12	15	25	100	150	12	17	15	5000
MGMV9050	500	83	45	38	90	47	M12	15	25	100	150	12	17	19	5000

WEDGE CLAMP

CODE NO. N-401

nicon
PRECISION VICES





KEY FEATURES

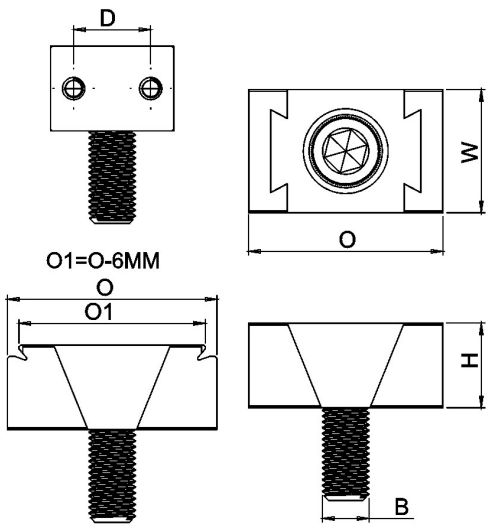
Dual Outward Wedge Expansion: Generated by a central socket head cap screw and wedge mechanism that expands both jaws outward simultaneously, providing firm, balanced pressure on adjacent workpieces.

Automatic Spring Return: Integrated internal return spring automatically retracts the clamp to its original position when the screw is loosened, ensuring quick and convenient part swaps.

Hardened & Ground Construction: Manufactured with hardened and precision ground wedge surfaces for superior wear resistance, dimensional stability, and long service life in demanding environments.

High-Density Fixturing Profile: Compact footprint design makes it ideal for holding multiple workpieces close together on custom fixture plates, grid sub-plates, and modular vice systems.

Versatile Process Application: Delivers dependable workholding across precision milling, drilling, surface grinding, and industrial assembly operations.



DIMENSIONS IN MM

MODEL NO.	W	H	O	B	D	Weight in Kgs.	Clamping Pressure in Kgs.
WC25	25	15	33-36	M8	15	0.100	2000
WC32	32	22	46-51	M12	20	0.270	2500
WC48	48	30	48-53	M12	33	0.570	3000
WC68	68	40	66-71	M16	45	1.450	5000
WCSR25	25	15	33-36	M8	–	0.100	2000
WCSR32	32	22	46-51	M12	–	0.270	2500
WCSR48	48	30	48-53	M12	–	0.570	3000
WCSR68	68	40	66-71	M16	–	1.450	5000
WCD25	25	15	37-40	M8	15	0.100	2000
WCD32	32	22	52-57	M12	20	0.300	2500
WCD48	48	30	54-59	M12	33	0.570	3000
WCD68	68	40	72-77	M16	45	1.450	5000

SINGLE SIDE WEDGE CLAMP

CODE NO. N-403

nicon
PRECISION VICES



KEY FEATURES

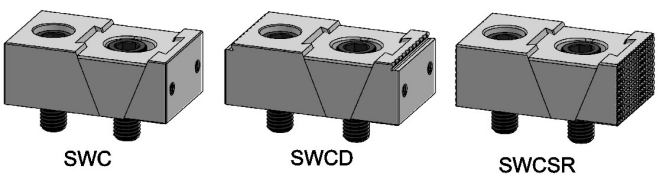
Single-Directional Force Vector: Directs all clamping pressure forward against a dedicated fixed jaw , ensuring high accuracy and precise reference positioning.

Automatic Spring Return: Integrated internal return spring automatically retracts the clamp to its original position when the screw is loosened, ensuring quick and convenient part swaps.

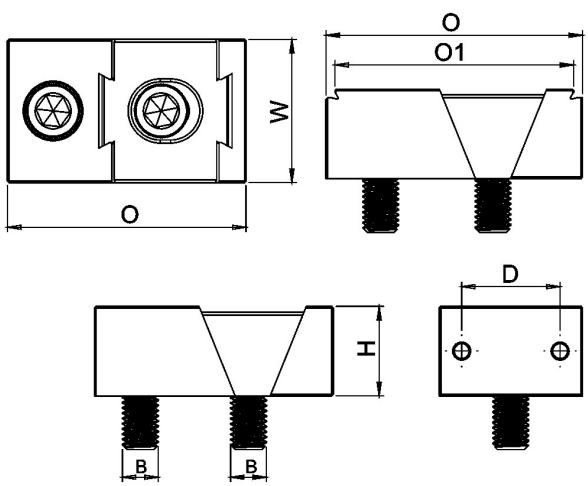
Hardened & Ground Construction: Manufactured with hardened and precision ground wedge surfaces for superior wear resistance, dimensional stability, and long service life in demanding environments.

High-Density Fixturing Profile: Compact footprint design makes it ideal for holding multiple workpieces close together on custom fixture plates, grid sub-plates, and modular vice systems.

Versatile Process Application: Delivers dependable workholding across precision milling, drilling, and industrial assembly operations.



O1=O-6MM



DIMENSIONS IN MM

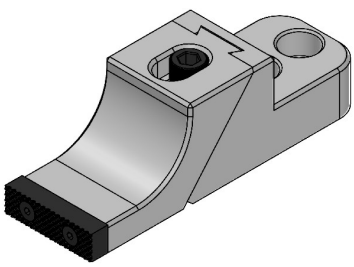
MODEL NO.	W	H	O	B	D	Weight in Kgs.	Clamping Pressure in Kgs.
SWC48	48	30	75-80	M12	33	0.850	3000
SWC68	68	40	95-100	M16	45	2	5000
SWCSR48	48	30	75-80	M12	–	0.850	3000
SWCSR68	68	40	95-100	M16	–	2	5000
SWCD48	48	30	81-86	M12	33	0.900	3000
SWCD68	68	40	101-106	M16	45	2.1	5000

LOW PROFILE SIDE CLAMP

CODE NO. N-402

nicon
PRECISION VICES





KEY FEATURES

Unrestricted Top Surface Access: Side-action clamping mechanism grips the edge faces of the workpiece, leaving the top surface completely clear for unobstructed full-face milling.

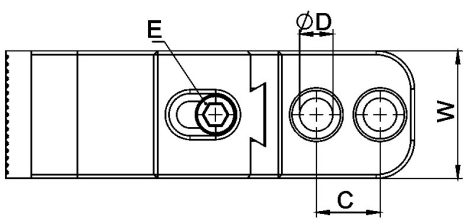
Maximum Cutter & Tool Clearance: Low-profile design maximizes Z-axis clearance, preventing cutter collisions and expanding usable machining envelopes.

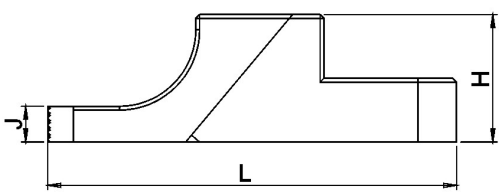
Hardened Alloy Steel Construction: Manufactured from high-quality hardened alloy steel for outstanding strength, wear resistance, and long service life in tough shop conditions.

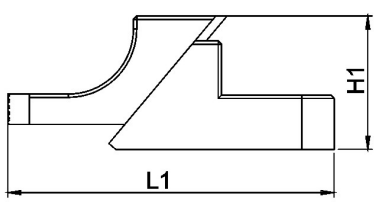
High Clamping Force & Anti-Vibration: Delivers powerful lateral holding force that firmly secures workpieces, minimizes chatter/vibration, and enhances precision cutting accuracy.

Optimized Machining Area: Compact footprint allows parts to be positioned closely together on fixture plates and machine tables, maximizing total output per cycle.

Easy Installation & Versatility: Compatible with a wide variety of CNC machines, vertical/horizontal machining centers, grinding tables, and custom fixture setups.







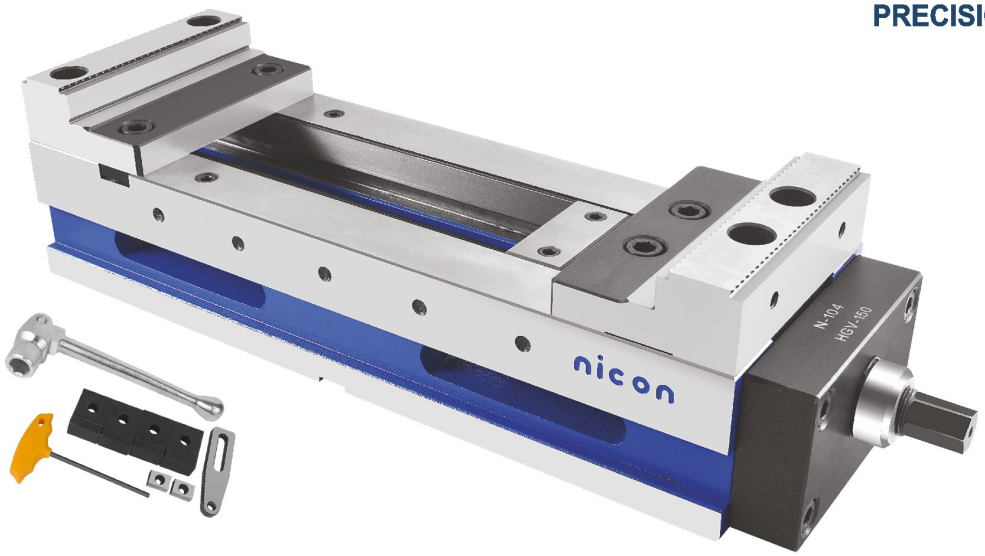
DIMENSIONS IN MM

MODEL NO.	L	L1	W	H	H1	J	C	D	E
LPC32	115	105	32	40	51	12	–	M12	M8
LPC50	160	150	50	50	61	14	25	M12	M10

HIGH GRIP MACHINE VICE

CODE NO. N-104

nicon
PRECISION VICES



KEY FEATURES

High-Grade Ductile Iron Body: Constructed from high-tensile FCD 60 ductile iron with ground top and bottom surfaces for maximum rigidity and stability.

Massive Clamping Force: Delivers up to 5000 kg clamping pressure with smooth, effortless handle rotation—completely eliminating the need for hammer striking.

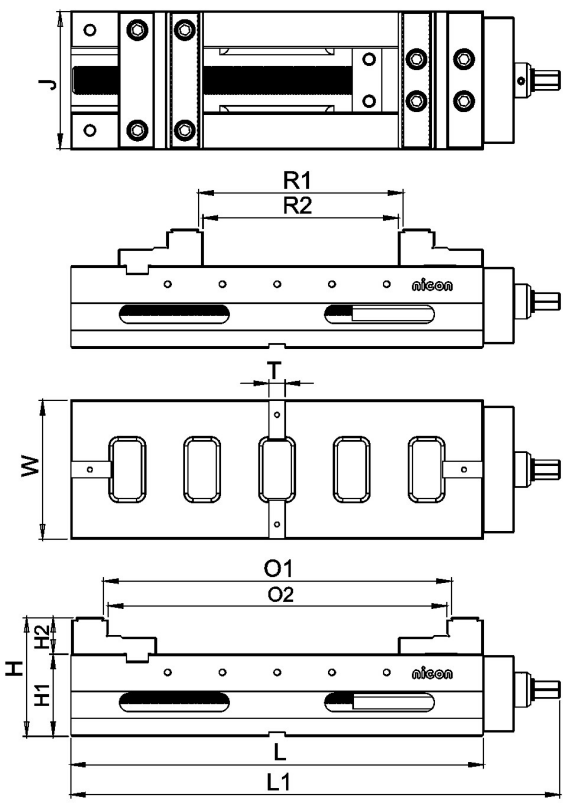
Case-Hardened High-Alloy Jaws: Clamping jaws are made from wear-resistant high-alloy steel and case-hardened to HRC 60 ± 2 for high performance and zero wear.

Matched Bed Height: Consistent bed height matching across multiple orders enables seamless side-by-side mounting for ganged multi-vice setups.

Precision Accuracy: Guarantees strict parallelism and squareness tolerances 0.02mm for precision toolroom and production machining.

Precision Table Alignment: Supplied with tenon slots and tenons for rapid, effortless truing on machine table T-slots.

Interchangeable Jaw Plates: Features fully interchangeable jaw plates to support customized workholding requirements.



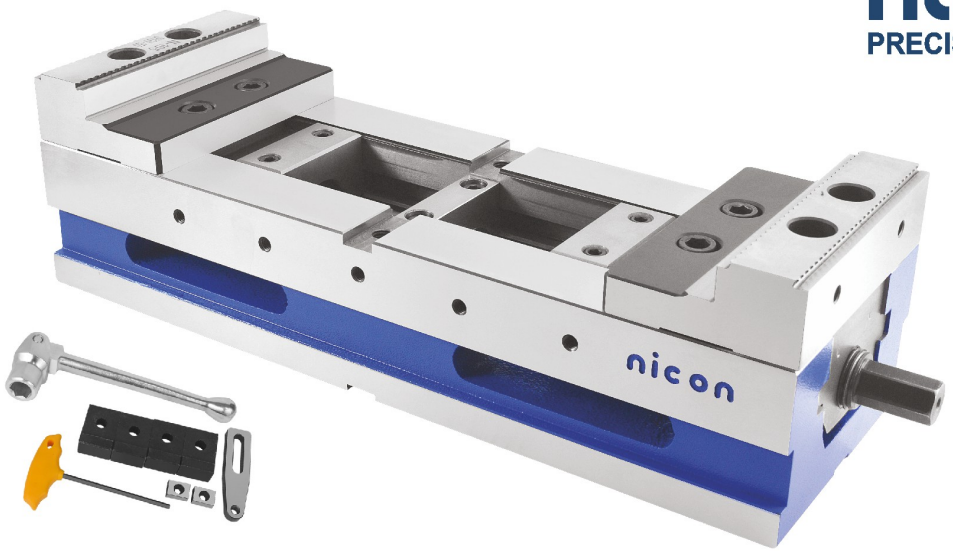
DIMENSIONS IN MM

MODEL NO.	L	L1	H	H1	H2	O1	O2	R1	R2	T	W	J	Weight in Kgs.	Clamping Pressure in kgs.
HGV150	450	530	130	90	40	380	370	220	210	18	152	150	40	5000

SELF CENTERING HIGH GRIP MACHINE VICE

CODE NO. N-105

nicon
PRECISION VICES



KEY FEATURES

Self-Centring Precision Mechanism: Enables fast, accurate, and repeatable workpiece positioning for mass production and repetitive machining cycles.

High-Grade FCD 60 Ductile Iron Body: Constructed with a high-rigidity FCD 60 ductile iron body featuring precision-ground top and bottom surfaces for reliable alignment and vibration absorption.

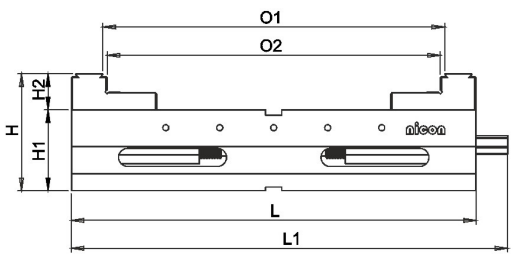
Case-Hardened High-Alloy Jaws: Clamping jaws are manufactured from high-strength, high-alloy steel case-hardened to HRC 60 ±2 for maximum performance and wear resistance.

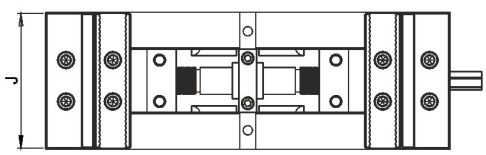
Precision Tolerances: Strict parallelism and squareness are maintained within 0.02 mm for accurate, repeatable cuts.

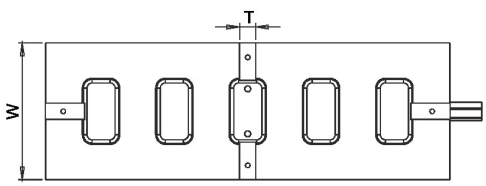
Hammer-Free Smooth Operation: High clamping pressure is achieved effortlessly through smooth handle rotation, eliminating handle hammering for safer and more efficient use.

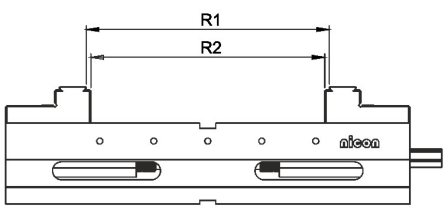
Effortless Table Alignment: Fitted with tenons, tenon slots, and interchangeable jaw plates for fast and accurate truing on the machine table.

Dual Workpiece Clamping: Clamps two workpieces simultaneously with the addition of an optional intermediate jaw, significantly increasing machine productivity.









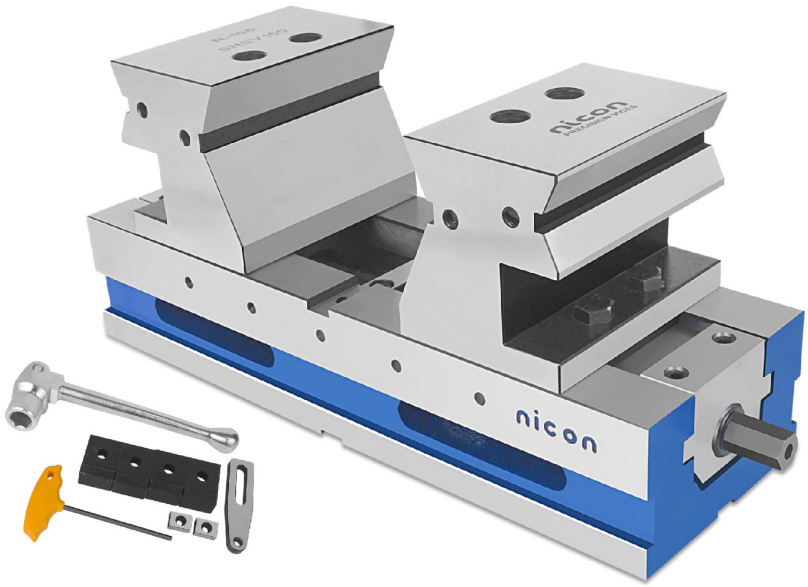
DIMENSIONS IN MM

MODEL NO.	L	L1	H	H1	H2	O1	O2	R1	R2	T	W	J	Weight in Kgs.	Clamping Pressure in kgs.
SHGV150	450	485	130	90	40	380	370	270	260	18	152	150	43	4000

SELF CENTERING HIGH GRIP SHAFT VICE

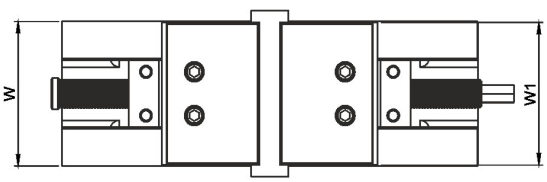
CODE NO. N-106

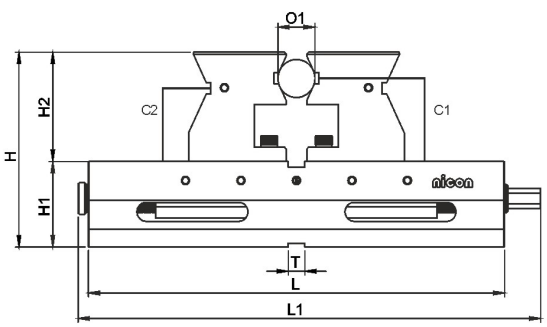
nicon
PRECISION VICES

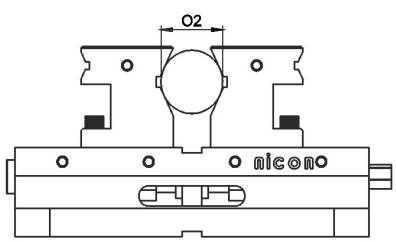


KEY FEATURES

Accurate & Repeatable Centring: Specifically designed for exact, repeatable centering of round stock and cylindrical workpieces on precision machine tools.
Balanced Self-Centering Clamping: The integrated self-centering mechanism delivers balanced clamping pressure to prevent workpiece deflection during heavy machining passes.
Optimized for Shaft Machining: Ideal for shaft end-milling, keyway cutting, slotting, and cross-drilling operations.
High-Grade FCD 60 Ductile Iron Body: Constructed with a high-rigidity FCD 60 ductile iron body featuring precision-ground top and bottom surfaces for reliable alignment and vibration absorption.
Case-Hardened High-Alloy Jaws: Clamping jaws are manufactured from high-strength, high-alloy steel case-hardened to HRC 60 ±2 for maximum performance and wear resistance.
Precision Tolerances: Strict parallelism and squareness are maintained within 0.02 mm for accurate, repeatable cuts.
Hammer-Free Smooth Operation: High clamping pressure is achieved effortlessly through smooth handle rotation, eliminating handle hammering for safer and more efficient use.
Effortless Table Alignment: Fitted with tenons, tenon slots, and interchangeable jaw plates for fast and accurate truing on the machine table.
Modular Interchangeability: All optional jaw plates are 100% interchangeable across matching vice series with perfect alignment guaranteed.







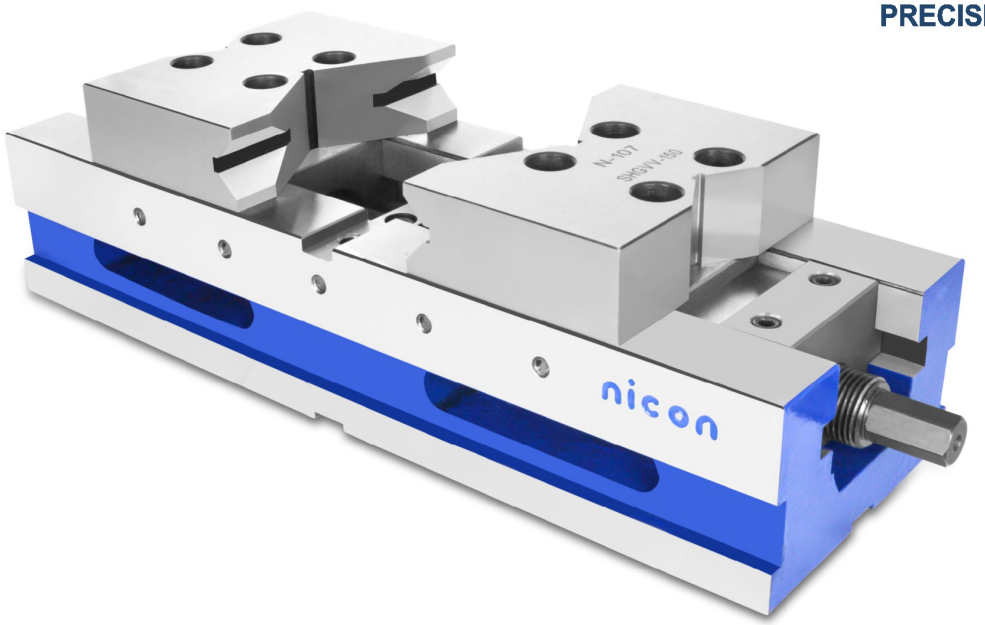
DIMENSIONS IN MM

MODEL NO.	L	L1	H	H1	H2	W	W1	O1	O2	T	C1	C2	Weight in Kgs.	Clamping Pressure in kgs.
SHSV125	287	315	150	70	80	165	125	25-50	50-100	16	52	65	25	3000
SHSV150	450	500	205	90	115	152	150	40-100	50-150	18	77	87	57	3500

SELF CENTERING HIGH GRIP VERTICAL SHAFT VICE

CODE NO. N-107

nicon
PRECISION VICES



KEY FEATURES

Accurate & Repeatable Centering: Specifically designed for exact, repeatable centring of round stock and cylindrical workpieces on precision machine tools.

Balanced Self-Centering Clamping: The integrated self-centering mechanism delivers balanced clamping pressure to prevent workpiece deflection during heavy machining passes.

Optimized for Shaft Machining: Ideal for round shape components , slotting, and cross-drilling operations.

High-Grade FCD 60 Ductile Iron Body: Constructed with a high-rigidity FCD 60 ductile iron body featuring precision-ground top and bottom surfaces for reliable alignment and vibration absorption.

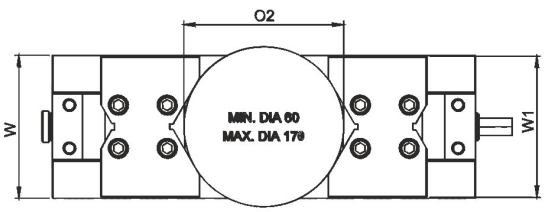
Case-Hardened High-Alloy Jaws: Clamping jaws are manufactured from high-strength, high-alloy steel case-hardened to HRC 60 ±2 for maximum performance and wear resistance.

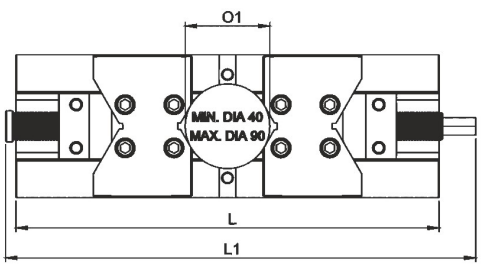
Precision Tolerances: Strict parallelism and squareness are maintained within 0.02 mm for accurate, repeatable cuts.

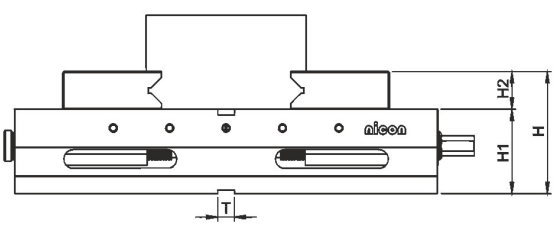
Hammer-Free Smooth Operation: High clamping pressure is achieved effortlessly through smooth handle rotation, eliminating handle hammering for safer and more efficient use.

Effortless Table Alignment: Fitted with tenons, tenon slots, and interchangeable jaw plates for fast and accurate truing on the machine table.

Modular Interchangeability: All optional jaw plates are 100% interchangeable across matching vice series with perfect alignment guaranteed.





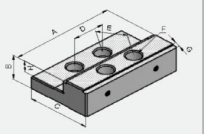
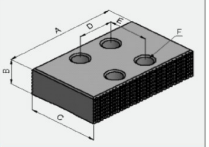
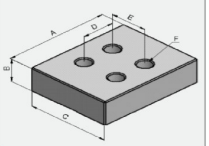
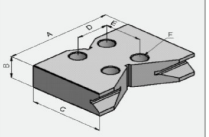
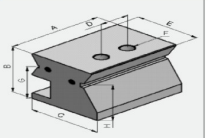
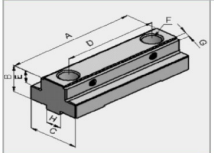


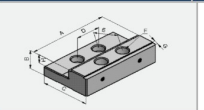
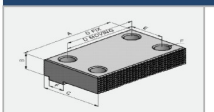
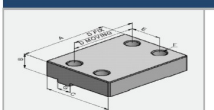
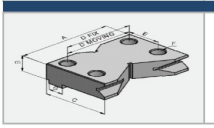
DIMENSIONS IN MM

MODEL NO.	L	L1	H	H1	H2	W	W1	O1	O2	T	Weight in Kgs.	Clamping Pressure in kgs.
SCVS150	450	500	130	90	40	152	150	40-90	60-170	18	43	3500

OPTIONAL JAWS FOR SELF CENTERING HIGH GRIP MACHINE VICES (N-104, N-105, N-106, N-107)

nicon PRECISION VICES

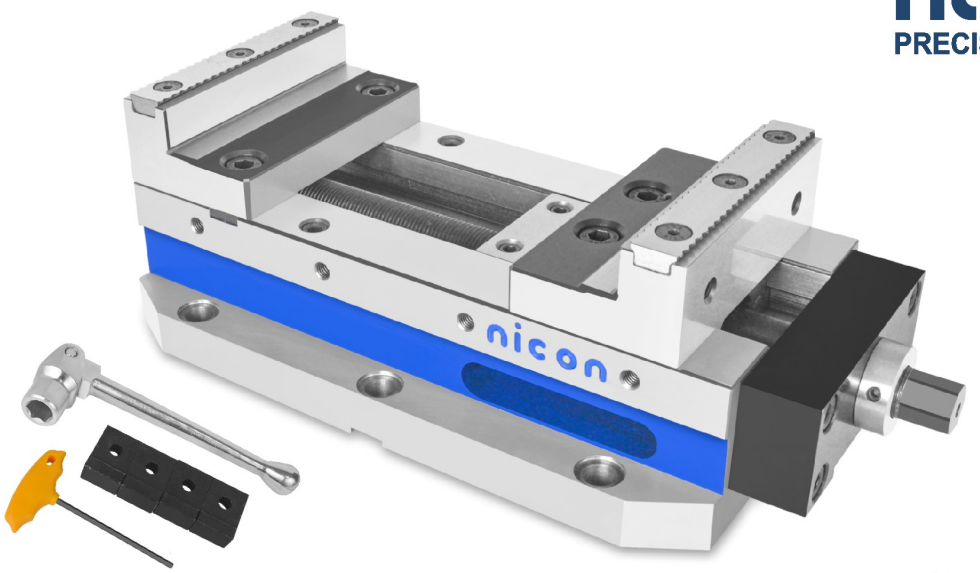
CODE NO. N. 105, N.106, N.107	PARTICULARS	PRODUCT CODE	A	B	C	D	E	F	G	H	Suitable For Model No.
	STEPPED JAW SET	SHGV150STJ	150	40	93	46	52	M12	3	20	SHGV150, SHSV150 & SCVS150
	SERRATED JAW SET	SHGV150SRJ	150	40	93	46	52	M12	–	–	SHGV150, SHSV150 & SCVS150
	SOFT JAW SET	SHGV150SJ	150	40	120	46	52	M12	–	–	SHGV150, SHSV150 & SCVS150
	PRISMATIC JAW SET	SHGV150PJ	150	40	105	46	52	M12	–	–	SHGV150, SHSV150 & SCVS150
	ROUND JOB JAW SET	SHGV150RJ	150	115	115	46	105	M12	87.5	77	SHGV150, SHSV150 & SCVS150
	INTERMEDIATE JAW	SHGV150IJ	150	40	60	110	20	M12	3	18	SHGV150, SHSV150 & SCVS150

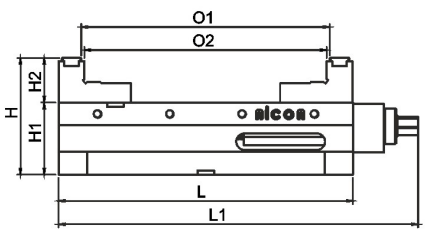
CODE NO. N. 104	PARTICULARS	PRODUCT CODE	A	B	C	D FIX	D MOVING	E	F	G	H	Suitable For Model No.
	STEEPED JAW SET	HGV150STJ	150	40	93	110	46	52	M12	3	24	HGV150
	SERRATED JAW SET	HGV150SRJ	150	40	93	110	46	52	M12	24	–	HGV150
	SOFT JAW SET	HGV150SJ	150	40	120	110	46	52	M12	24	–	HGV150
	PRISMATIC JAW SET	HGV150PJ	150	40	105	110	46	52	M12	24	–	HGV150

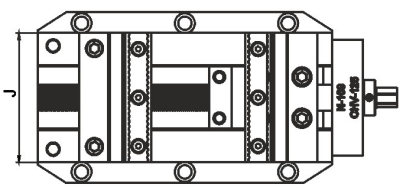
COMPACT HIGH GRIP VICE

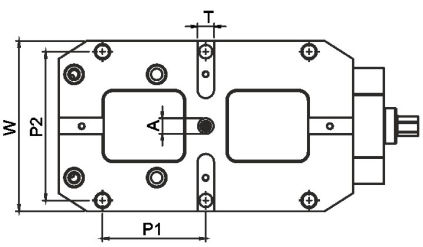
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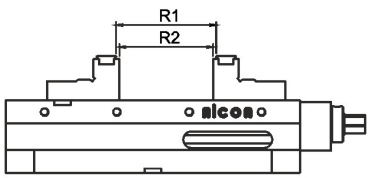
nicon
PRECISION VICES











KEY FEATURES

Space-Saving Compact Design: Engineered specifically to allow multiple vice installations side-by-side on standard machine tables for high-density production.
Large Jaw Opening: Delivers an exceptionally large workholding opening capacity within a remarkably compact body envelope.
Significant Material Savings: Clamps securely on a minimum workpiece depth of just 3 mm, drastically reducing raw material waste on costly alloy stock.
High-Grade Ductile Iron Body: Features a high-rigidity cast body ground on top and bottom surfaces for maximum flatness, alignment, and vibration damping.
High Clamping Force: Generates up to 4000 kg of holding force through effortless handle rotation, completely eliminating handle hammering.
Matched Bed Height: Standardized bed height consistency across orders ensures seamless ganged setups on long machine tables.
Hardened Jaws: Clamping jaws are made from wear-resistant high-alloy steel case-hardened to HRC 60 ± 2 for zero wear and long service life.
Strict Parallelism & Squareness: Maintains accuracy within 0.02 / 100 mm for demanding precision milling and grinding tasks.
Effortless Table Truing: Supplied with tenons and tenon slots for quick, accurate truing on machine table T-slots.
Modular Interchangeability: All optional jaw plates are 100% interchangeable across matching vice series with perfect alignment guaranteed.

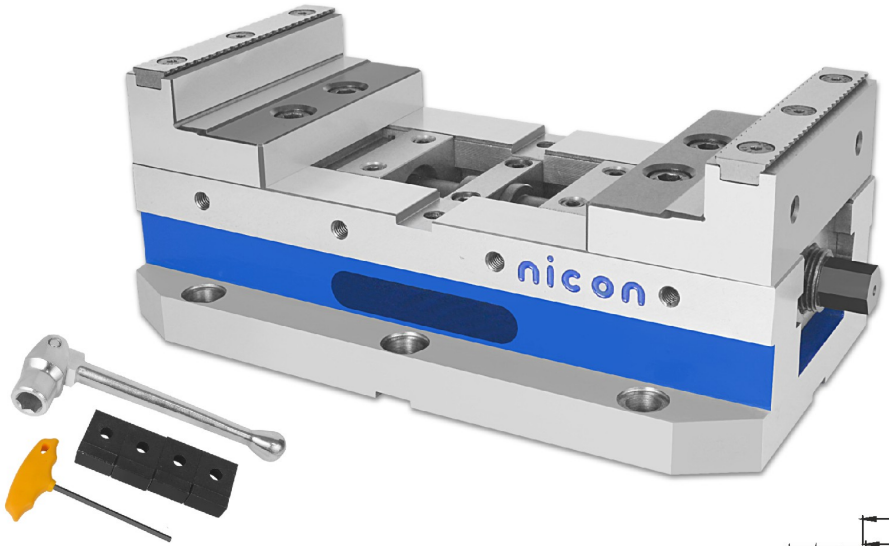
DIMENSIONS IN MM

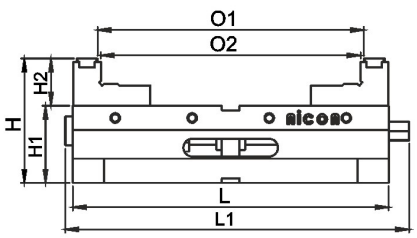
MODEL NO.	L	L1	H	H1	H2	O1	O2	R1	R2	T	W	J	A	P1	P2	Weight in Kgs.	Clamping Pressure in kgs.
CHV125	286	350	113	70	43	242	236	112	106	16	165	125	15	100	144	18.5	4000

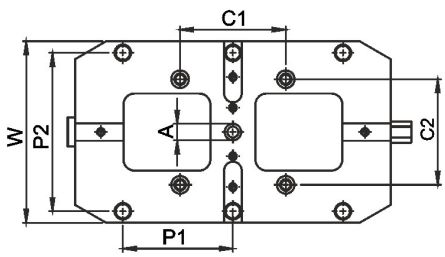
SELF CENTERING COMPACT HIGH GRIP VICE

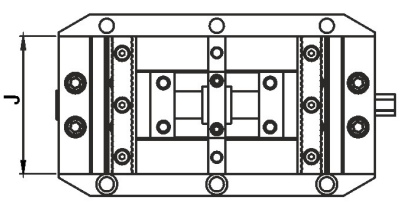
CODE NO. N-110

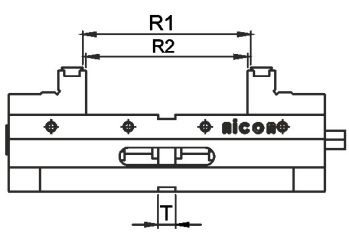
nicon
PRECISION VICES











KEY FEATURES

Synchronized Dual-Jaw Motion: Both clamping jaws move simultaneously toward a fixed center point, delivering automatic workpiece centering for fast, repeatable job setups on 3, 4, and 5-axis machines.

Reversible & Convertible Jaw Options: Accommodates a wide range of part sizes by simply reversing or changing jaw plates, enabling quick conversion between narrow and wide-opening clamping modes (up to 240 mm).

High-Grade Modular Interchangeability: All optional jaw plates are 100% interchangeable across matching vice series with perfect alignment guaranteed.

Modular Interchangeability: All optional jaw plates are 100% interchangeable across matching vice series with perfect alignment guaranteed.

Ductile Iron Body: Features a high-rigidity cast body ground on top and bottom surfaces for maximum flatness, alignment, and vibration damping.

3000 kg Clamping Force: Generates up to 3000 kg of holding force through effortless handle rotation, completely eliminating handle hammering.

Matched Bed Height: Standardized bed height consistency across orders ensures seamless ganged setups on long machine tables.

Hardened Jaws: Clamping jaws are made from wear-resistant high-alloy quality steel case-hardened to HRC 60 ± 2 for zero wear and long service life.

Effortless Table Truing: Supplied with tenons and tenon slots for quick, accurate truing on machine table T-slots.

Dual Workpiece Clamping: Holds two workpieces simultaneously with the addition of an optional intermediate jaw for increased production throughput.

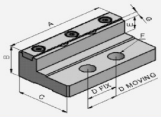
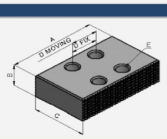
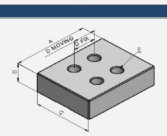
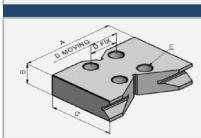
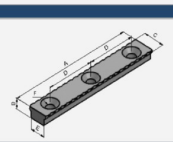
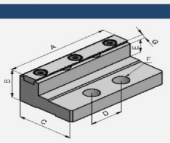
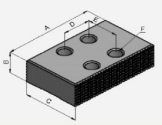
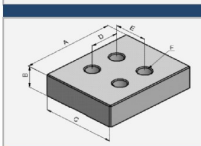
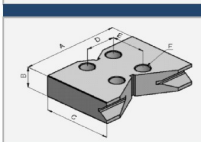
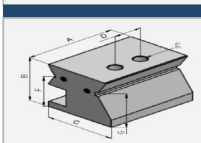
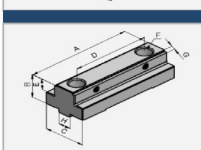
Modular Interchangeability: All optional jaw plates are 100% interchangeable across matching vice series with perfect alignment guaranteed.

DIMENSIONS IN MM

MODEL NO.	L	L1	H	H1	H2	O1	O2	R1	R2	T	W	J	A	P1	P2	C1	C2	Weight in Kgs.	Clamping Pressure in kgs.
SCHV125	286	320	113	70	43	242	236	153	147	16	165	125	15	100	144	96	96	18.5	3000

OPTIONAL JAWS FOR SELF CENTRING COMPACT & SELF CENTERING COMPACT HIGH GRIP VICE (N-109, N-110)

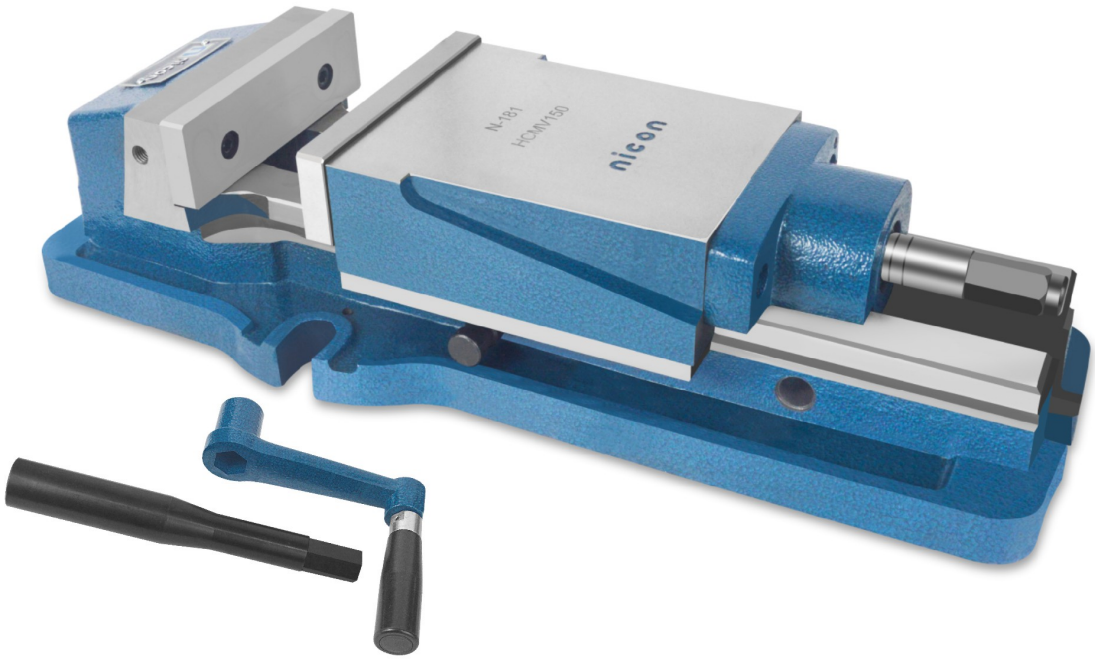
nicon PRECISION VICES

CODE NO. N. 109, N. 110	PARTICULARS	PRODUCT CODE	A	B	C	D	E	F	G	H	Suitable For Model No.
	STEEPED JAW SET	CHV125STJ	125	43	70	95	40	20	M10	3	CHV125
	SERRATED JAW SET	CHV125SRJ	125	40	70	95	40	M10	–	–	CHV125
	SOFT JAW JAW SET	CHV125SJ	125	40	90	95	40	M10	–	–	CHV125
	PRISMATIC JAW SET	CHV125PJ	125	40	85	95	40	M10	–	–	CHV125
	DIAMOND TEETH JAW SET	FAV125DTJ	125	8	19	47	–	14	M6	–	CHV125 & SCHV125
	STEEPED JAW SET	SCHV125STJ	125	43	70	40	20	M10	3	–	SCHV125 & SHSV125
	SERRATED JAW SET	SCHV125SRJ	125	40	70	40	40	M10	–	–	SCHV125 & SHSV125
	SOFT JAW SET	SCHV125SJ	125	40	90	40	40	M10	–	–	SCHV125 & SHSV125
	PRISMATIC JAW SET	SCHV125PJ	125	40	85	40	40	M10	–	–	SCHV125 & SHSV125
	ROUND JOB JAW SET	SCHV125RJ	125	80	75	40	M10	65	52	–	SCHV125 & SHSV125
	INTERMEDIATE JAW	SCHV125IJ	125	43	60	95	23	M10	3	16	SCHV125 & SHSV125

HYDRAULIC MACHINE VICE

CODE NO. N-181

nicon
PRECISION VICES



KEY FEATURES

Hydra-Booster Clamping System: Integrated hydraulic booster system generates up to 4500 kg of maximum clamping pressure with minimum manual operating force.

Deflection-Resistant Ductile Cast Body: Constructed from high-quality ductile cast iron to resist bending, twisting, and deflection under heavy cutting loads.

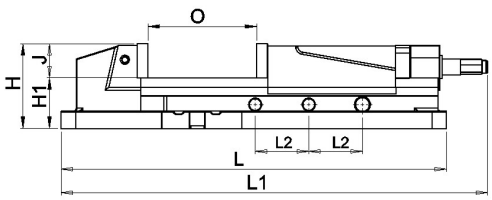
Hardened & Ground Slideways: Precision ground, hardened guide ways ensure long-lasting durability, smooth jaw travel, and alignment repeatability.

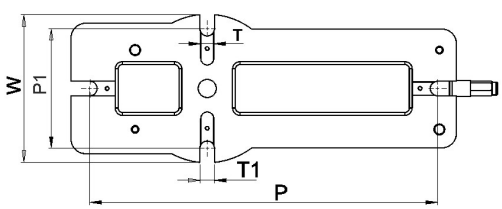
Concealed Spindle Design: Fully enclosed spindle mechanism protects internal threads from chips, grinding dust, and coolant contamination.

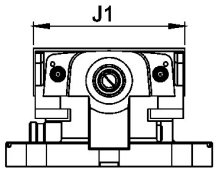
High Precision Tolerances: Guarantees strict squareness accuracy within 0.02 / 100 mm for demanding machine shop tasks.

Swivel Base & Warranty Protection: Available with an optional 360° graduated swivel base; the hydra-booster mechanism is backed by a limited 1-year warranty.

Quick & Secure Locking: Engineered for rapid workpiece clamping, reliable locking, and easy manual operation.





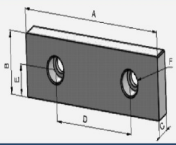
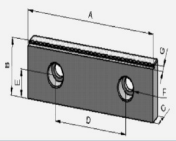
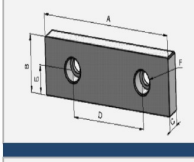
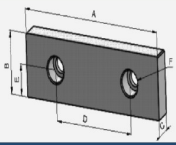
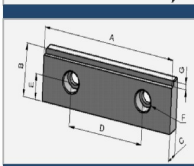
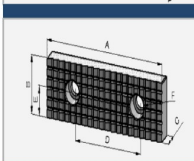
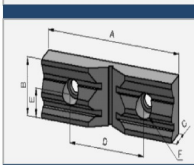
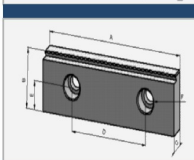
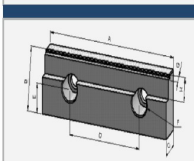


DIMENSIONS IN MM

MODEL NO.	L	W	H	H1	O	L1	L2	J	J1	P	P1	T	T1	Weight in Kgs.	Clamping Pressure in kgs.
HCMV150	530	205	117	70	200	650	74	47	150	480	165	18	17	38	4000
HMV150	606	232	132	80	300	690	100	52	153	560	190	18	17	50	4500

OPTIONAL JAWS FOR HYDRAULIC MACHINE VICE

nicon PRECISION VICES

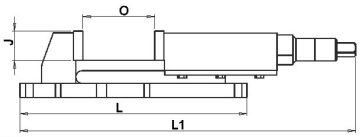
CODE NO. N.181	PARTICULARS	PRODUCT CODE	A	B	C	D	E	F	G	H	Suitable For Model No.
	HARD JAW SET	HCMV150HJ	150	47	14.5	85	21	M8	–	–	HCMV150
		HMV150HJ	153	52	15	102	23.5	M10	–	–	HMV150
	DIAMOND TEETH JAW SET 3X3MM	HCMV150DTJ	150	47	14.5	85	21	M8	3	–	HCMV150
		HMV150DTJ	153	52	15	102	23.5	M10	3	–	HMV150
	SOFT JAW SET	HCMV150SJ	150	47	20	85	21	M8	–	–	HCMV150
		HMV150SJ	153	52	20	102	23.5	M10	–	–	HMV150
	ALUMINIUM JAW SET	HCMV150AJ	150	47	14.5	85	21	M8	–	–	HCMV150
		HMV150AJ	153	52	15	102	23.5	M10	–	–	HMV150
	STEP JAW SET	HCMV150STJ	150	47	14.5	85	21	M8	–	–	HCMV150
		HMV150STJ	153	52	15	102	23.5	M10	–	–	HMV150
	SERRATED JAW SET	HCMV150SRJ	150	47	14.5	85	21	M8	–	–	HCMV150
		HMV150SRJ	153	52	15	102	23.5	M10	–	–	HMV150
	PRISMATIC JAW	HCMV150PJ	150	47	20	85	21	M8	–	–	HCMV150
		HMV150PJ	153	52	20	102	23.5	M10	–	–	HMV150
	DIAMOND TEETH JAW SET 5X5 MM	HCMV150DTJ5	150	47	17	85	21	M8	5	–	HCMV150
		HMV150DTJ5	153	52	17	102	23.5	M10	5	–	HMV150
	COMBINATION JAW SET	HCMV150DTSJ	150	47	23	85	21	M8	3	18	HCMV150
		HMV150DTSJ	153	52	23	102	23.5	M10	3	18	HMV150

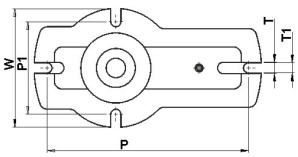
PRECISION MILLING MACHINE VICE FIXED BASE

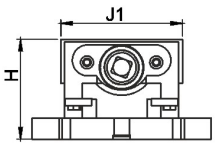
CODE NO. N-151



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PRECISION VICES







KEY FEATURES

High-Grade Cast Iron Construction: The vice body is manufactured from premium cast iron to deliver maximum rigidity and resist deflection during heavy milling passes.
Hardened & Ground Jaw Plates: Made from high-alloy steel, hardened, and precision ground to ensure extended service life while maintaining strict accuracy and repeatability.
Fully Enclosed Lead Screw: The drive lead screw is fully covered and housed within an unbreakable steel nut, protecting internal threads from chips, grinding dust, and contaminants.
High-Tensile Fasteners: Assembled throughout with high-tensile grade fasteners for enhanced overall strength and structural rigidity.
Integrated Machine Table Alignment: Features a precision-machined tenon slot in the base as standard for rapid, accurate alignment on machine table T-slots.
Unbreakable Steel Crank Handle: Supplied with a heavy-duty steel crank handle for effortless, reliable manual clamping operation.

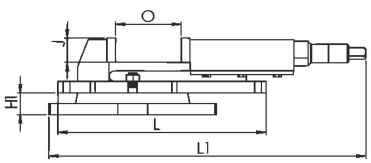
DIMENSIONS IN MM

MODEL NO.	L	W	H	L1	O	J	J1	P	P1	T	T1	Weight in Kgs.
MVF100	293	152	86	455	103	39	104	260	120	14.4	13	12
MVF125	360	190	105	530	128	47	127	320	155	16	15	22
MVF150	400	210	108	590	157	47	154	350	175	16	15	29
MVF200	470	262	130	725	204	60	204	420	220	16	15	56

PRECISION MILLING MACHINE VICE SWIVEL BASE

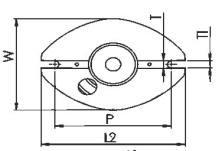
CODE NO. N-151S

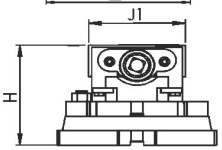




KEY FEATURES

360° Graduated Swivel Base: Features a 360-degree laser-etched scale on the swivel ring, enabling precise angular part positioning and rapid compound-angle setups.
High-Grade Cast Iron Body: Cast from high-quality cast iron for maximum rigidity, high damping capacity, and zero deflection under heavy milling loads.
Hardened & Ground Steel Jaws: Clamping jaw plates are made from high-alloy steel, case-hardened and precision ground for long service life and repeatable clamping accuracy.
Fully Enclosed Lead Screw: The lead screw is completely covered and housed inside an unbreakable steel nut, protecting internal threads from chips, grinding grit, and coolant contamination.
High-Tensile Fasteners: Assembled throughout with high-tensile fasteners to maintain structural rigidity during heavy-duty operations.
Machined Tenon Slot: Precision-ground tenon slot integrated into the base as standard for rapid, accurate alignment on machine table T-slots.
Unbreakable Steel Crank Handle: Supplied with a heavy-duty steel crank handle for smooth, positive, and dependable manual drive operation.





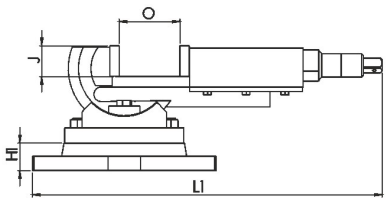
DIMENSIONS IN MM

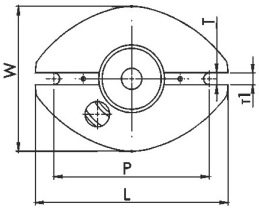
MODEL NO.	L	W	H	H1	L1	L2	O	J	J1	P	T	T1	Weight in Kgs.
MVS100	293	170	120	34	455	234	103	39	104	189	16	13	16
MVS125	360	208	142	34	530	266	128	47	127	230	16	17	29
MVS150	400	240	146	34	590	300	157	49	154	260	16	17	38
MVS200	470	292	173	43	730	370	204	60	204	420	16	17	73

TILTING AND SWIVELING MACHINE VICE

CODE NO. N-153

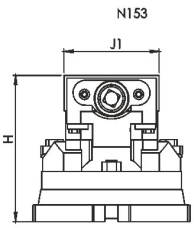






KEY FEATURES

Dual-Axis Compound Angle Adjustment: Combines a precision tilting slide for vertical angular settings upto 90° with a 360° fully graduated swivel base for multi-axis positioning.
Close-Grained Seasoned Cast Iron Body: Manufactured from high-tensile seasoned cast iron for maximum rigidity, long-term stability, and chatter-free machining.
Jaw Parallelism: Maintains tight jaw parallelism tolerances for demanding angular milling, drilling, and precision grinding.
Hardened & Ground Steel Jaws: Precision ground, case-hardened steel jaw plates deliver high wear resistance and repeatable clamping accuracy.
Precision Table Alignment & Hold-Down Slots: Features a precision-milled base slot for rectangular locating nuts alongside dedicated "Hold Down" slots for secure table clamping.
High-Tensile Hardware & Steel Crank: Built with high-tensile grade fasteners throughout and equipped with an unbreakable steel crank handle for ergonomic drive.



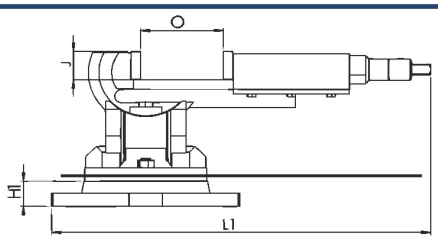
DIMENSIONS IN MM

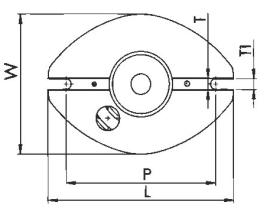
MODEL NO.	L	W	H	L1	H1	O	J	J1	P	T	T1	Weight in Kgs.
TSV75	200	140	135	195	28	75	35	77	170	13	13	12
TSV100	234	171	154	475	34	103	38	104	190	16	13	21
TSV125	266	208	180	560	34	128	48	127	230	16	16	28
TSV150	300	240	192	625	34	154	48	154	260	16	16	39
TSV200	370	292	230	835	43	204	60	204	420	16	16	70

3-WAY TILT AND SWIVEL MACHINE VICE

CODE NO. N-154

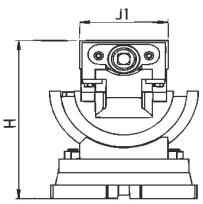






KEY FEATURES

Complete 3-Axis Workpiece Setting: Features two precision angular slides and a 360° swivel base to allow rapid, accurate 3-axis compound angle setups for complex toolroom machining.
Wide Angular Adjustment Range: Provides a 45° tilting range on either side along with 90° vertical indexing, giving operators total flexibility for compound angle passes.
Close-Grained Seasoned Cast Iron Build: Manufactured from premium high-tensile close-grained seasoned cast iron for maximum structural strength, long-term stability, and chatter-free operations.
Parallelism Precision: Strict jaw parallelism maintained within 0.02 / 100 mm ensures accurate workpiece holding during intricate jig boring and grinding.
Hardened & Ground Steel Jaws: Precision ground, case-hardened steel jaw plates provide long service life, high wear resistance, and repeatable clamping.
Accurate Table Truing & Hold-Down Slots: Features a precision-milled slot in the base for rectangular locating nuts and dedicated "Hold Down" slots for secure table clamping.
High-Tensile Fasteners & Steel Crank: Assembled with high-tensile grade fasteners throughout for ultimate rigidity and equipped with an unbreakable steel crank handle.



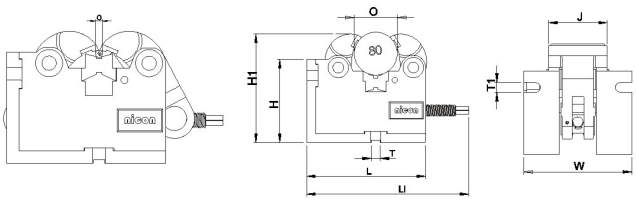
DIMENSIONS IN MM

MODEL NO.	L	W	H	L1	H1	O	J	J1	P	T	T1	Weight in Kgs.
TSTV75	200	140	158	375	34	75	35	77	170	13	13	9
TSTV100	234	171	214	473	34	103	38	104	189	16	13	21
TSTV125	266	208	238	530	34	128	48	127	230	16	16	37
TSTV150	300	240	255	625	43	154	48	154	245	16	16	50

SELF CENTERING SHAFT VICE

CODE NO. N-155





KEY FEATURES

Self-Centering Drive: Synchronized opposite-thread screw mechanism enables quick and repeatable centering of cylindrical workpieces.
High-Grade Cast Iron Body: Manufactured from high-grade cast iron to ensure structural strength, durability, and operational stability during heavy machining passes.
Hardened Tool Steel Jaws: Equipped with fully hardened and precision-ground tool steel jaw plates for extended wear resistance and precise clamping force.
Dual-Position Operation: Can be mounted and operated in both horizontal and vertical positions for enhanced versatility across different machine tool setups.
Reversible Center V-Blocks: Supplied with reversible center V-block inserts specifically designed for secure clamping of small-diameter pipes, rods, and shafts.

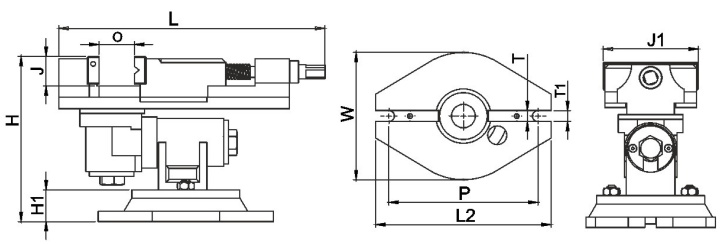
DIMENSIONS IN MM

MODEL NO.	L	L1	W	H	H1	J	T	T1	O	Weight in Kgs.
SCSV100	222	303	202	155	202	110	16	16	27-80	23

COMPACT UNIVERSAL MACHINE VICE

CODE NO. N-156





KEY FEATURES

- Universal vice allows the work piece to be set at any desired angle. Widely used on tool and cutter grinders and surface grinders.
- 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.
- Horizontal and vertical v groove provided for thin round jobs to hold accurately.
- Ergonomically designed all steel handle allows for stress free operation.
- Use of high tensile grade 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.

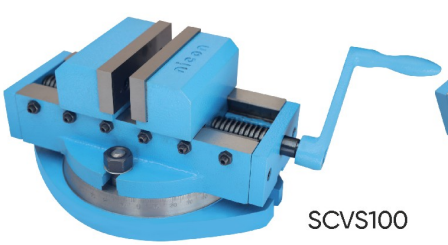
DIMENSIONS IN MM

MODEL NO.	L	W	H	H1	L2	O	J	J1	P	T	T1	Weight in Kgs.
CUMV100	280	136	176	25	184	70	30	100	158	12	13	12.6

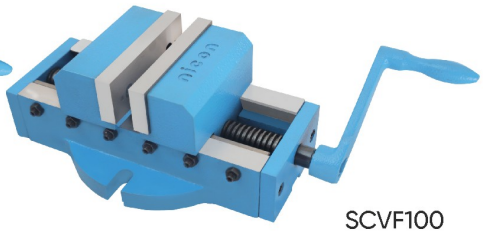
SELF CENTERING VICE SWIVEL & FIXED BASE

CODE NO. N-158-158P

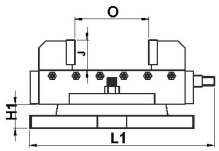
nicon
PRECISION VICES

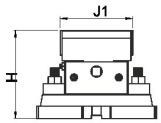


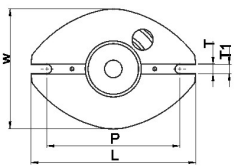
SCVS100



SCVF100







KEY FEATURES

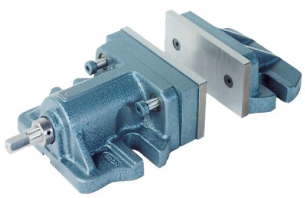
Workpiece Centering: Driven by an opposite-thread screw mechanism that automatically moves both jaws inward to center the workpiece on the machine spindle datum.
Single Machine Setting Efficiency: Eliminates repetitive re-zeroing when performing identical operations on varying-sized workpieces, saving valuable setup time in production runs.
Convertible Swivel-to-Fixed Base: Offers dual-configuration flexibility; easily converts from a 360° swiveling vice to a compact fixed-base vice simply by removing the swivel base assembly.
360° Graduated Scale: Features a fully graduated 360° swivel base for quick, precise angular alignment along the vertical axis.
Graded Cast Iron & Tool Steel Construction: Body is manufactured from graded cast iron for superior rigidity, equipped with fully hardened and ground tool steel jaw plates for long-lasting accuracy.

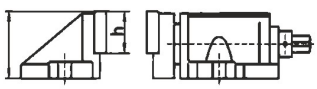
DIMENSIONS IN MM

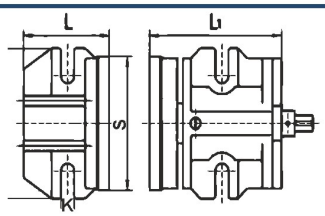
MODEL NO.	L	W	H	L1	H1	O	J	J1	P	T	T1	Weight in Swivel Base	Weight in Fixed Base
SCVS100	234	171	124	265	34	104	42	103	189	14.4	13	14	10

2PC ADJUSTABLE MILLING MACHINE VICE

CODE NO. N-189







KEY FEATURES

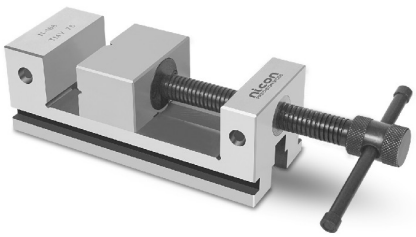
Full Machine Bed Utilization: The two-piece independent body construction allows clamping elements to be mounted anywhere along the T-slots, removing conventional jaw-opening limits for extra-large parts.
Direct Bed Seating Rigidity: Workpieces rest directly on the machine bed surface, ensuring maximum structural stiffness and vibration damping during heavy cutting passes.
Integrated Thrust Bearing Drive: Features an integrated thrust bearing in the power transmission mechanism, delivering high clamping pressure with smooth, low-effort handle rotation.
Removable Grooved Jaw Inserts: Precision ground and hardened grooved jaw inserts maintain strict accuracy and repeatability over an extended service life.
High-Strength Heavy Castings: Both the clamp base body and rigid fixed base are constructed from high-grade cast iron to withstand heavy machining forces.
Versatile Equipment Integration: Engineered for high-clamping-force operations on conventional milling machines, drill presses, and various machining equipment.

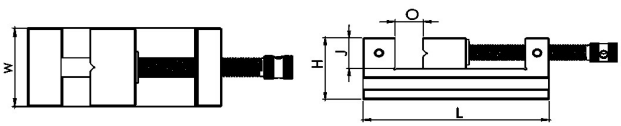
DIMENSIONS IN MM

MODEL NO.	S	A	H	L	L1	H1	K	Weight in Kgs.
LMV150	160	160	80	160	194	50	17	14
LMV200	200	196	100	172	258	63	17	26

TOOL MAKER'S VICE (SCREW OPERATED)

CODE NO. N-168





KEY FEATURES

Multi-Position Precision Ground Surfaces: Precision ground and strictly square on all sides, allowing the vice to be mounted flat on its base, on either side, or vertically on its end face without losing accuracy.
Wear-Resistant Gunmetal Bushing: The precision lead screw operates inside a specially designed gunmetal bush insert, significantly reducing internal friction, preventing thread wear, and extending operational service life.
Precision Square-Thread Lead Screw: Smooth clamping and releasing action driven via a precision-cut square thread lead screw for accurate, fine torque control.
Dual-Axis V-Grooved Moving Jaw: Features integrated vertical and horizontal V-grooves in the moving jaw for positive gripping of round components and pins.
Essential Toolroom Standard: Engineered specifically for demanding precision grinding, jig boring, engraving, and light milling tasks.

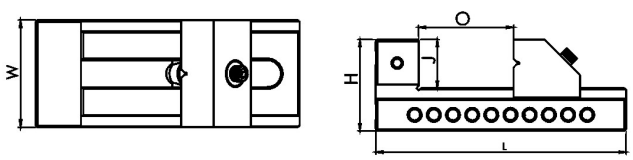
DIMENSIONS IN MM

MODEL NO.	L	W	H	O	J	Weight in Kgs.
TMV60	160	60	60	60	30	2.7
TMV75	202	76	70	80	40	5
TMV75+	221	76	70	100	40	6
TMV100	236	96	90	105	45	9
TMV100+	260	96	90	125	45	11
TMV125	302	125	96	150	48	16.5
TMV150	302	150	96	150	48	19

TOOL MAKER'S VICE (PIN OPERATED)

CODE NO. N-169





KEY FEATURES

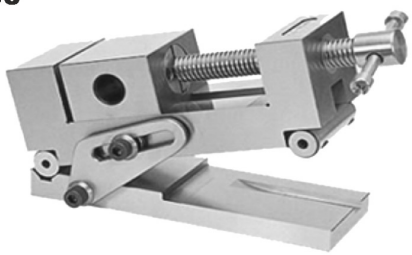
Rapid Notch-Locking Mechanism: Engineered with a rapid-positioning notch system that allows the movable jaw to be quickly located and locked in position using the provided Allen key.
Ground & Square All Over: Precision ground and strictly square across all external faces, allowing the vice to be mounted flat on its base, on either side, or vertically on its end face without losing datum alignment.
Dual-Axis V-Grooved Moving Jaw: Features two precision ground V-vees (one vertical, one horizontal) cut directly into the moving jaw face for secure gripping of round components and pins.
Accelerated Job Setups: Pin-and-notch locking mechanism replaces slow thread turning, significantly reducing non-productive setup times during toolroom operations.
Toolroom Precision Fit: Mainly used for high-accuracy precision grinding, light milling, engraving, jig boring, and inspection tasks.

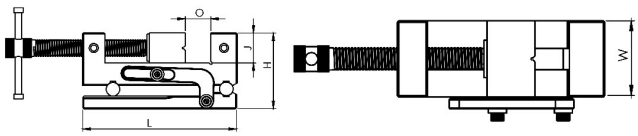
DIMENSIONS IN MM

MODEL NO.	L	W	H	O	J	Weight in Kgs.
TMVP50	155	55	54	80	28	2
TMVP75	176	76	64	100	35	3.6
TMVP100	190	96	86	125	45	7.8
TMVP125	285	125	96	160	48	14
TMVP150	332	150	96	200	48	17

TOOL MAKER'S SINE VICE (SCREW OPERATED)

CODE NO. N-168S





KEY FEATURES

High-Accuracy Sine Angular Setting: Designed for manufacturing and toolroom processes requiring strict clamping accuracy at exact angular positions using standard gauge blocks (slip gauges).
0.2" / 5 mm Minute Angle Step: Features a built-in 0.2" / 5 mm step on the base roll, facilitating quick, precise setting of very small angles without gauge block interference.
Wear-Resistant Gunmetal Bushing: The precision lead screw operates inside a specially designed gunmetal bush insert, significantly reducing internal friction, preventing thread wear, and extending tool life.
Precision Square-Thread Lead Screw: Smooth clamping and releasing action driven via a precision-cut square thread lead screw for fine, controlled clamping pressure.
Dual-Axis V-Grooved Moving Jaw: Moving jaw incorporates two ground V-grooves (one vertical, one horizontal) for positive gripping of round components, pins, and shafts.
Toolroom Precision Standard: Ideal for demanding angular surface grinding, jig boring, engraving, and compound-angle inspection tasks.

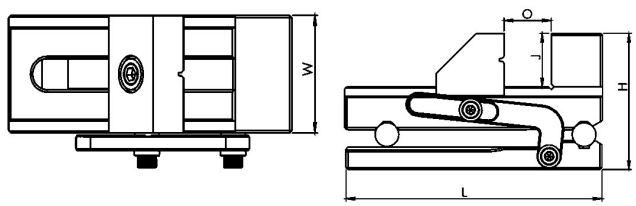
DIMENSIONS IN MM

MODEL NO.	L	W	H	O	J	Weight in Kgs.
SVS75	205	76	100	90	40	7
SVS100	242	100	121	120	45	16

TOOL MAKER'S SINE VICE (PIN OPERATED)

CODE NO. N-169S





KEY FEATURES

High-Accuracy Sine Angular Setting: Designed for manufacturing and toolroom processes requiring strict clamping accuracy at exact angular positions using standard gauge blocks (slip gauges).
0.2" / 5 mm Minute Angle Step: Features a 0.2" / 5 mm angle step on the base roll, enabling easy, precise setting of very small angles using standard gauge blocks (slip gauges).
Rapid Pin-and-Notch Jaw Positioning: Equipped with rapid positioning notches that allow the movable jaw to be quickly positioned and locked securely with the included Allen key.
Precision Ground All Over: All surfaces are precisely ground to maintain tight parallelism, squareness, and exact datum alignment across angular setups.
Dual-Axis V-Grooved Moving Jaw: Features two ground V-vees (one vertical, one horizontal) cut directly into the moving jaw face for secure clamping of round components and pins.

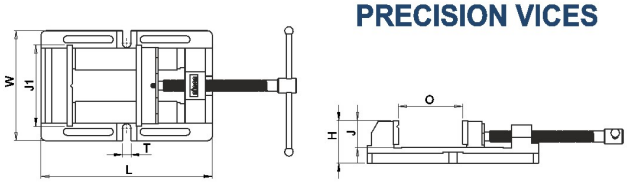
DIMENSIONS IN MM

MODEL NO.	L	W	H	O	J	Weight in Kgs.
SVP75	195	75	102	100	40.5	5
SVP100	236	100	116	125	45	12

DRILL PRESS VICE HEAVY DUTY

CODE NO. N-162





nicon
PRECISION VICES

KEY FEATURES

Spheroidal Graphite (S.G.) Iron Construction: Cast from premium-grade S.G. Iron (Ductile Cast Iron), featuring nodular graphite microstructures that deliver steel-like tensile strength, superior yield resistance, and high impact toughness compared to standard grey cast iron.
Fine Acme Thread Lead Screw: Features a precision-machined fine Acme thread lead screw that delivers powerful holding pressure with low manual turning effort.
Precision Ground Base & Slideways: The base and sliding surfaces are precision ground to maintain tight tolerances, operational stability, and smooth jaw movement.
Dual V-Grooved Stationary Jaw: Built-in horizontal and vertical V-grooves in the stationary jaw allow secure, slip-free clamping of round bars and cylindrical stock.
Slotted Table Mounting Base: Elongated base slots enable fast, accurate positioning and secure bolting to drill press tables.
Ideal for Engineering Workshops: Designed specifically for high-accuracy requirements in toolrooms, machine shops, and heavy drilling operations.

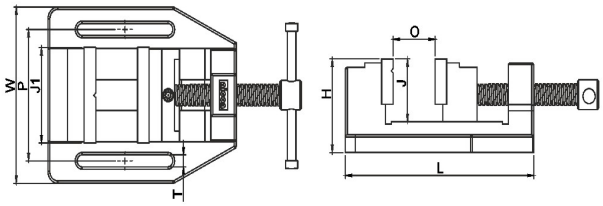
DIMENSIONS IN MM

MODEL NO.	L	W	H	O	J	J1	T	Weight in Kgs.
DMV75	200	150	60	75	44	75	13	5
DMV100	260	171	75	100	44	111	13	7
DMV125	300	200	80	125	50	130	16	10
DMV150	342	222	85	150	50	160	16	14
DMV200	395	283	103	200	66	210	16	23

DRILL PRESS VICE DELUXE MODEL

CODE NO. N-163





KEY FEATURES

Ductile S.G. Iron Body: Cast from high-grade Spheroidal Graphite (S.G.) iron to provide superior tensile strength, high shock resistance, and zero-flex stability under severe clamping loads.
Extra-Deep Jaw Capacity: Engineered with greater jaw depth than standard drill press vices, allowing taller parts to be seated deeper for maximum clamping contact and stability.
Fine Acme Thread Lead Screw: Features a precision-machined fine Acme thread power screw that delivers powerful holding force with smooth, low-effort handle rotation.
Precision Ground Base & Slideways: The mounting base and guide slides are precision ground to maintain tight parallelism, operational stability, and smooth jaw travel.
Dual V-Grooved Stationary Jaw: Built-in horizontal and vertical V-grooves in the stationary jaw allow positive, slip-free clamping of round bars, tubes, and cylindrical stock.
Slotted Table Mounting Base: Elongated base slots enable quick, accurate positioning and secure bolting to drill press tables.

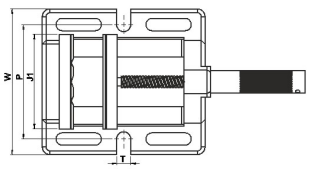
DIMENSIONS IN MM

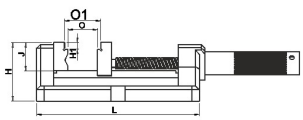
MODEL NO.	L	W	H	O	J	J1	T	P	Weight in Kgs.
DVD75	195	148	80	75	52	80	10	110	4.5
DVD100	225	186	94	100	65	108	15	145	8
DVD150	310	240	105	150	70	162	15	200	16

DRILL PRESS VICE (UNIGRIP)

CODE NO. N-167







KEY FEATURES

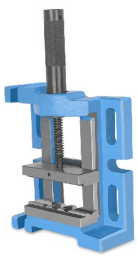
Spheroidal Graphite (S.G.) Iron Construction: Cast from premium-grade S.G. Iron (Ductile Cast Iron), featuring nodular graphite microstructures that deliver steel-like tensile strength, superior yield resistance, and high impact toughness compared to standard grey cast iron.
Extended-Scope Hollow Handgrip: Spindle moves inside a hollow handgrip mechanism, allowing the vice to be operated away from machine table edges to expand its application range.
Dual-Axis V-Prism Fixed Jaw: Integrated longitudinal and transversal prisms enable firm 4-point gripping of round stock in both horizontal and vertical positions.
Flat Part Retention Seat: Special seating shelf built into the jaw faces facilitates level holding of flat components.
·Slotted Mounting Base: Slotted base design enables quick, accurate positioning and secure bolting to drill press tables.
High Clamping Force: Rugged construction delivers rigid, powerful clamping required for demanding drilling, tapping, and reaming operations.

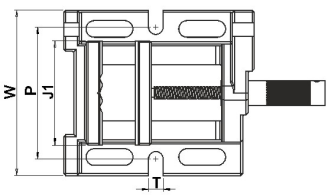
DIMENSIONS IN MM

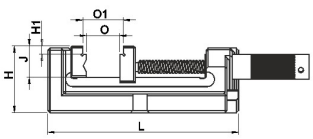
MODEL NO.	L	W	H	H1	O	O1	J	J1	T	P	Weight in Kgs.
DPV75	148	140	58	8	70	76	30	80	14	110	2.6
DPV100	172	154	62	8	100	107.5	30	100	15	120	3.7
DPV125	225	182	65	8	112	119.5	37	120	15	150	6

3-WAY DRILL PRESS VICE (UNIGRIP)

CODE NO. N-170







KEY FEATURES

Spheroidal Graphite (S.G.) Iron Construction: Cast from premium-grade S.G. Iron (Ductile Cast Iron), featuring nodular graphite microstructures that deliver steel-like tensile strength, superior yield resistance, and high impact toughness compared to standard grey cast iron.
Tri-Position Ground Mounting Faces: Features three precisely ground surfaces (base, side face, and end face), enabling right-angle machining across all axes with a single workpiece setup.
Long & Cumbersome Workpiece Handling: Utilizing the side or end face as a base allows the jaw width to act as jaw height, accommodating long workpieces that are difficult to hold in standard vices.
Dual-Axis V-Prism Fixed Jaw: Integrated longitudinal and transversal prisms provide a firm, 4-point grip on round jobs horizontally or vertically.
Flat Part Retention Seat: Special seating step built into jaw faces facilitates level, low-profile holding of flat plates and thin stock.
Telescoping Hollow Handgrip Drive: Drive spindle moves inside a hollow handgrip, allowing operation away from machine table edges to expand the vice's scope of application.
Slotted Mounting Base: Slotted base design enables quick, accurate positioning and secure bolting to drill press tables.
High Clamping Rigidity: Rugged design provides powerful, vibration-free clamping required for precision drilling, tapping, and reaming operations.

DIMENSIONS IN MM

MODEL NO.	L	W	H	H1	O	O1	J	J1	T	P	Weight in Kgs.
3DPV100	184	160	64	8	100	106	30	100	14	126	4.5

PRECISION STEEL PARALLELS FOR MACHINE VICES

CODE NO. N-701

nicon
PRECISION VICES





KEY FEATURES

Matched Pair Precision: Manufactured and fine-ground in calibrated pairs, maintaining tight height parallelism within 0.01mm
High-Grade Tool Steel Construction: Crafted from premium alloy tool steel ,stress-relieved to maintain dimensional stability over extended usage.
Hardened & Precision Ground: Hardened to HRC 55–60 to resist wear, surface scratching, indentation, and deformation caused by heavy clamping loads or swarf contamination.
Ultra-Fine Surface Finish: Precision surface-ground on all opposing faces to, ensuring flush contact with vice jaws and part base for max rigidity.
Chamfered Safety Edges: All sharp corners and outer edges feature smooth precision chamfers to prevent burrs, protect operator hands, and facilitate clean positioning.
Clear Laser Etched Markings: Marked with permanent laser identification showing exact height, width, and matching pair codes for rapid, foolproof selection in high-mix shops.

DIMENSIONS IN MM

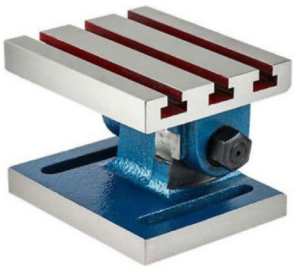
MODEL NO.	Lenth in mm	Width in mm	Hight in mm
NSP1010	100	8	10
NSP1014	100	8	14
NSP1018	100	8	18
NSP1024	100	8	24
NSP1028	100	8	28
NSP1032	100	8	32
NSP1514	150	8	14
NSP1518	150	8	18
NSP1522	150	8	22
NSP1530	150	8	30
NSP1536	150	8	36
NSP1542	150	8	42
NSP2016	200	8	16
NSP2024	200	8	24
NSP2036	200	8	36
NSP2042	200	8	42
NSP2048	200	8	48
NSP2055	200	8	55

PRECISION STEEL PARALLEL SET OF 6 PAIRS IN WOODEN CASE

MODEL NO.	Contain Pairs Model
SPS100	NSP1010 to NSP 1032
SPS150	NSP150 to NSP 1542
SPS200	NSP200 to NSP 2055

ADJUSTABLE ANGLE PLATE

CODE NO. N-301



nicon
PRECISION VICES

KEY FEATURES

0° to 90° Angular Adjustment: Fully graduated in degrees from 0° to 90°, allowing fast, accurate angular settings for compound-angle machining.
·Precision Ground Working Table: Table surface is precision ground to ensure tight flatness, parallelism, and reliable part datum seating.
Machined T-Slots for Flexible Clamping: Integrated precision T-slots accommodate T-bolts, strap clamps, and vice fixtures for versatile workpiece mounting options.
Graded Cast Iron Construction: Manufactured from heavy-duty graded casting and precision machined to deliver maximum strength, rigidity, and chatter resistance under cutting loads.
Universal Equipment Integration: Ideal for angular milling, precision drilling, surface grinding, layout inspection, and custom toolroom fixturing.

DIMENSIONS IN MM

MODEL NO.	TABLE LENTH	TABLE WIDTH	HEIGHT OVERALL
AAP150	150	125	113
AAP200	200	150	135
AAP250	250	200	170
AAP300	300	250	205

CAST IRON SLOTTED ANGLE PLATE

CODE NO. N-304



KEY FEATURES

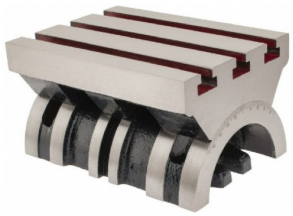
Webbed Side Reinforcement: Integrated webbed end ribs provide maximum structural stiffness, preventing flexing or deflection under heavy milling forces and high-thrust cutting loads.
Close-Grained Cast Iron Build: Manufactured from high-grade close-grained cast iron, stress-relieved for long-term dimensional accuracy and high stability.
High-Precision Squareness & Flatness: Precision ground working surfaces guarantee exact 90° right-angle alignment for vertical workpiece mounting.
Versatile Fastener Mounting Slots: Precision-machined slots enable fast, rigid attachment of the workpiece to the angle plate, and the plate to machine tables or fixture bases.
Heavy Toolroom & Production Application: Essential for heavy vertical milling setups, large hole drilling, CMM layout inspection, and tombstone fixturing.

DIMENSIONS IN MM

MODEL NO.	LENTH	WIDTH	HEIGHT	Weight in Kgs.
APS150	150	125	112	3.5
APS200	200	150	125	7
APS250	250	200	150	12
APS300	300	228	200	25
APS350	350	250	225	35
APS400	400	300	225	44

TILTING TABLE

CODE NO. N-311



nicon
PRECISION VICES

KEY FEATURES

High-Rigidity Cast Iron Construction: Manufactured from close-grained, stress-relieved high-tensile cast iron to provide maximum structural stability and chatter-free vibration damping under cutting loads.
0° to 45° Precision Tilting Range: Precision-hinged table top swivels smoothly from 0° to 45° with laser-engraved degree graduations for rapid, accurate angular settings.
Ground T-Slotted Working Surface: Precision ground top table features machined T-slots to accommodate T-bolts, vice bases, step blocks, and direct workpiece clamping.
Dual Heavy-Duty Positional Locks: Equipped with robust side locking screws that rigidly lock the tilting plate at any desired angle without deflection during machining.
Universal Machine Base Integration: Features slotted base channels for easy alignment and secure bolting on milling beds, drill press tables, and shaping machines.

DIMENSIONS IN MM

MODEL NO.	TABLE LENTH	TABLE WIDTH
TT125	125	100
TT175	175	125
TT250	250	175
TT375	375	250

MAGNETIC VEE BLOCKS

CODE NO. N-307



KEY FEATURES

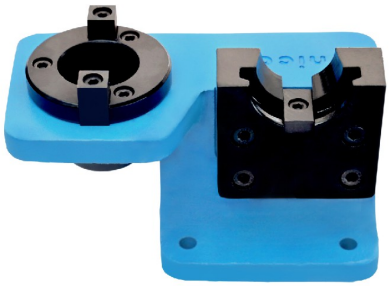
Switchable Permanent Magnet Control: Mechanical rotary ON/OFF switch provides instant activation and deactivation without requiring electrical power.
Multi-Surface Magnetic Clamping: Simultaneously energizes the 90° V-groove, top flat surface, rear face, and base for versatile setups.
Precision Matched-Pair Manufacturing: Supplied in ground matched pairs maintaining height alignment and parallelism within 0.01 mm .
Hardened and Ground : Working surfaces are hardened to HRC55 to prevent wear, scratching, and distortion from swarf or rough stock.
Zero Electrical Power Needed: Completely portable and maintenance-free, suitable for wet grinding and CMM environments.

DIMENSIONS IN MM

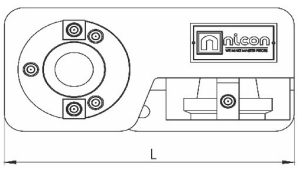
MODEL NO.	Lenth in MM	Width in MM	Height in MM
MVH65	65	60	50
MVH80	80	60	50
MVH100	100	95	75
MVH150	150	95	75
MVH200	200	150	100

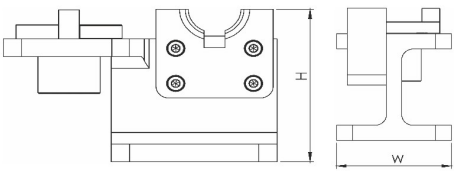
TOOL HOLDER LOCKING DEVICE (VERTICAL & HORIZONTAL)

CODE NO. N-315



nicon
PRECISION VICES





KEY FEATURES

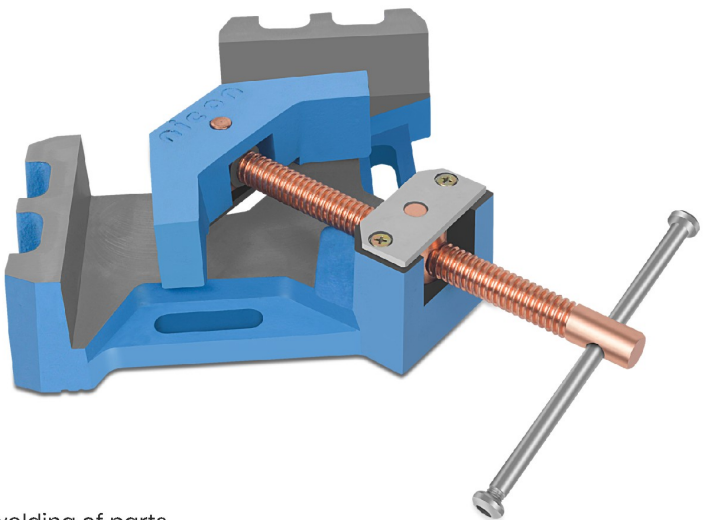
Tool holder locking device is mainly used to assemble and disassemble pull studs, cutting tools and collets from tool holders.
Compact design
Easy to operate
Minimum clamp force required.
Unbreakable Steel Body.

DIMENSIONS IN MM

MODEL NO.	L	W	H	Weight in Kgs.
LDVH30	208	100	130	4
LDVH40	208	100	130	4

SELF CENTERING CORNER WELDING VICE

CODE NO. N-351



KEY FEATURES

Rigid cast iron construction.
An ideal supporting tool for every workshop.
Use for metal wood or plastic Ideal for right angle welding of parts.
Always joins at 90° angle. either as butt corner joint, mitre joint or t-section.
Copper plated spindle nut prevents “burnt on weld beads” and splatter.

DIMENSIONS IN MM

MODEL NO.	JAW WIDTH	JAW OPENING	JAW DEPTH	Weight in Kgs.
CWV100	100	75	35	5

CLAMPING KIT

CODE NO. N-751



nicon
PRECISION VICES

KEY FEATURES

Comprehensive Workholding Solution: Engineered as an all-in-one clamping kit containing a wide assortment of studs, hold-down clamps, step blocks, coupling nuts, flange nuts, and T-nuts.
Case-Hardened Alloy Steel Construction: Manufactured from high-quality alloy steel and case hardened to provide exceptional wear resistance, surface durability, and long service life under heavy clamping loads.
Precision Machined Accuracy: All kit components are precision machined to guarantee tight dimensional accuracy, smooth thread engagement, and reliable clamping stability.
Organized Component Storage Rack: Supplied with a convenient steel storage rack that keeps hardware neatly organized and immediately accessible during setup changes.
Optimized Table Utilization: Enables rapid, flexible, and secure positioning of flat, irregular, or large workpieces directly on machine beds and fixture sub-plates.

DIMENSIONS IN MM

MODEL NO.	Suitable for T-slot size x scrw size	WEIGTH in Kgs.
NCK 14-12	14XM-12	13
NCK 16-12	16XM-12	14
NCK 18-12	18XM-12	15

TOOL ROOM BENCH VICE (REAR JAW SLIDING)

CODE NO. N-182



KEY FEATURES

Stationary Front Jaw Design: The front jaw remains fixed to the bench top, preserving a consistent front datum line and allowing long shafts, pipes, or plates to extend vertically below workbench height.
Ductile Cast Iron Body: Constructed from high grade ductile cast iron to withstand extreme hammering and high clamping forces without cracking.
Enclosed Acme Lead Screw: Fully protected internal spindle screw prevents swarf, grinding dust, and metal shavings from fouling the threads, ensuring smooth, low-wear operation.
Precision Dovetail Guide Rail: Machined and ground guide surfaces provide smooth sliding action, preventing jaw misalignment, tilting, or binding under heavy eccentric loads.
Hardened & Serrated Steel Jaws: Hardened, replaceable steel jaws (HRC 52–58) ensure positive grip on raw stock; smooth or soft aluminium jaws can be retrofitted for delicate components.
Integrated Anvil Surface: Heavy rear anvil area precision-machined for hammering, shaping, and light riveting.

DIMENSIONS IN MM

MODEL NO.	Jaw Width in MM	Opening in MM	Weight in Kgs
TRV100	100	110	8
TRV125	125	150	19
TRV150	150	170	31


Y.H. TOOLS MANUFACTURERS PVT. LTD.




Mazak
VC-Ez 510 IP

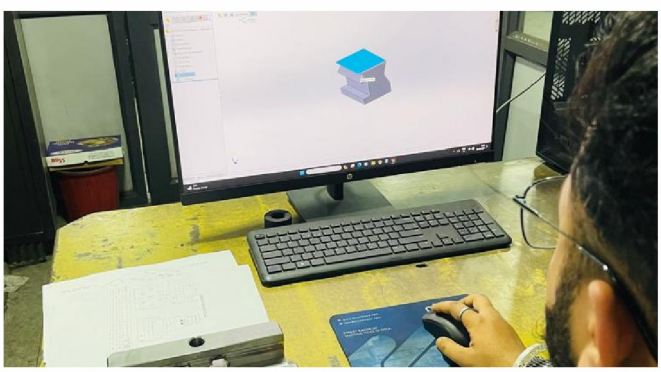

Mazak
VMC - 5
VC-Ez 510 IP
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Precision Vices


DMC 635 V eco
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Y.H. TOOLS MANUFACTURERS PVT. LTD
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