



- New design: Adjustable pressure device.
- Suit for processing of brass, AL, plastic, steel.

- New design: lock proof system: prevent wrong clamping force sticks the vise.
- Ruggedly constructed for milling, drilling, shaping, grinding and many other machine shop applications.
- Sliding bed ways flame hardened and ground.
- Concealed spindle for protection against chips and dirt.
- Hydraulic-booster system for maximum clamping pressure with minimum force.
- Quick of clamping & locking and easy of operation.
- Accuracy within 0.02mm.
- Furnished with or without swivel base.
- Hydraulic-booster system is guaranteed for using 1 years limited.
- The hydraulic oil number is #68.
- For Hydraulic-booster trouble shooting, please see manual.

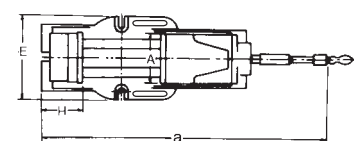
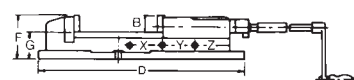


Hydraulic controller:
provide stable pressure,
hydro indexer.

Order No. & Dimensions

Unit:mm

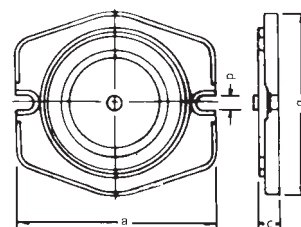
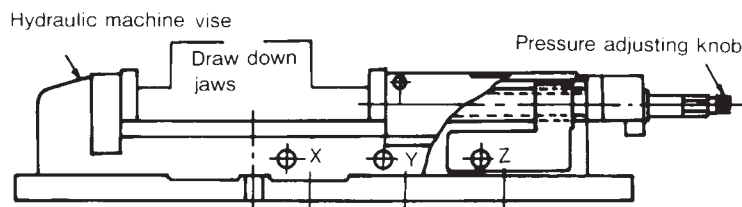
ORDER NO.	A	B	C OPEN	a	D	E	F	G	H	Max. Clamp Force	G.W. (kg)	Meas CFT	CODE NO.
VH-4	105	36	170	525	440	170	95	58	95	2500kgs	(C)27.2	0.8	1002-001
VH-5	130	48	210	670	550	207	120	70.5	107	4500kgs	(C)47.4	1.5	1002-002
VH-6	150	53	300	800	620	225	135	82.5	117	4500kgs	(C)63	2.2	1002-003
VH-8	200	62	300	900	680	280	162	100	150	7500kgs	(W)106.6	3.6	1002-004



CLAMPING CAPACITY

(3 STEPS CLAMPING POSITION FIG)

Swivel base



Max. Opening Size Clamping Capacity

Unit:mm

ORDER NO.	X	Y	Z
VH-4, VHT-4	0-60	57-115	110-170
VH-5	0-70	68-144	142-210
VH-6, VHT-6	0-100	95-200	195-300
VH-8	0-100	98-200	195-300

Swivel base

Unit:mm

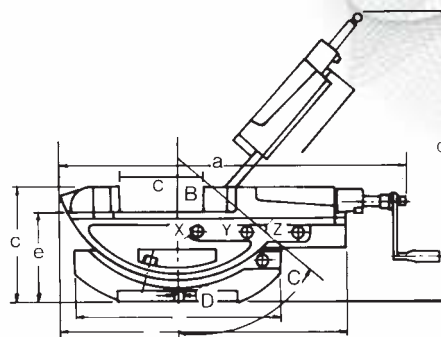
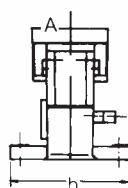
ORDER NO.	a	b	c	d	G.W. (kg)	CODE NO.
HS-4	280	210	28	16	4	1002-010
HS-5	297	267	33	16	7	1002-011
HS-6	335	310	36	19	10	1002-012
HS-8	373	355	41	19	16	1002-013



Tilting Hydraulic Machine Vise



VERTEX



- The same as characters of VH type. Swivel base same as VH type.
- Tilting seat set by two locking screws, works in high stability.
- Angle setting ranges from 0°~50°. Tilting degrees graduated for easy reading. Swivel base graduated to 360° and fixable in any position.
- THE (3 STEPS CLAMPING POSITION) SAME AS VH TYPE.
- Accuracy within 0.02mm
- Hydraulic-booster system is guaranteed for using 2 years limited.

Unit:mm

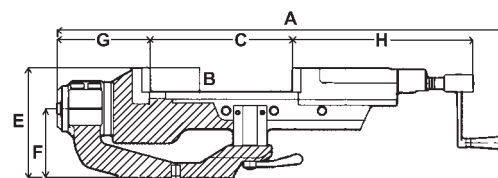
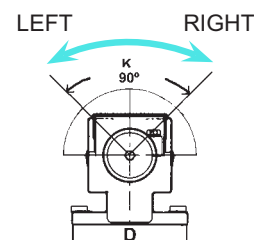
ORDER NO.	A	B	θ	C OPEN	D	a	b	c	d	e	Max. Clamp Force	G.W. (kg)	Meas CFT	CODE NO.
VHT-4	105	36	50°	170	14	505	165	191	MAX. 450	155	2500kgs	(W)33.3	1.2	1002-020
VHT-6	150	53	50°	600	14	790	225	250	MAX. 580	197	4500kgs	(W)88	4.4	1002-021



Universal Tilting Hydraulic Machine Vise

PAT NO. 98202966

NEW



- NEW DESIGN: ADJUSTABLE PRESSURE DEVICE.
- SUIT FOR PROCESSING OF BRASS, AL, PLASTIC, STEEL.
- NEW DESIGN: SUPER OPEN JAW SIZE, SMALLEST OPEN JAW SIZE.

LOCK PROOF SYSTEM: PREVENT WRONG CLAMPING FORCE STUCKS THE VISE.

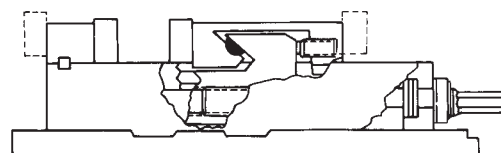
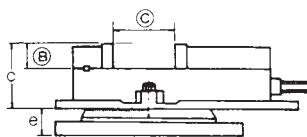
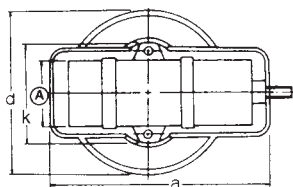
- 45 DEGREE TILTING FUNCTION, ALLOW 90 DEGREE PROCESSING!
- TILTING FUNCTION HAS MORE WORK FREE ALLOWANCE WILL NOT BLOCK OR HIT MACHINE!
- LOWER OVERALL HEIGHT PROVIDES MORE SPACE FOR HEAVY CUTTING STABILITY AND BIGGER WORKPIECE!
- TILTING STRUCTURE HAS STRONG TIGHTENING DESIGN.
- ALL FUNCTION SAME AS VH SERIES. EXCEPT THE TILTING STRUCTURE.

ORDER NO	A	B	C OPEN	D	E	F	G	H	i	j	K MAX. degree	CODE NO.
VHT-4U	653	36	170	ø162	165	104	169	263	141	80	90°	1002-025
VHT-6U	942	51	300	ø242	231	145	196	380	199	125	90°	1002-026



VD-675, VA-8L is NEW
 VD-675 6" opened 7 1/2"
 VA-8L 8" opened 10 1/4"

VA-8L

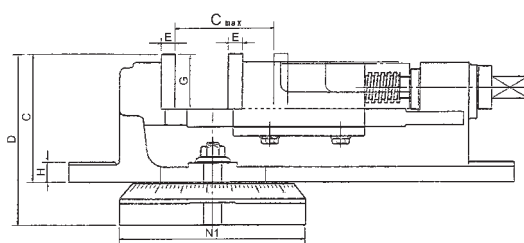
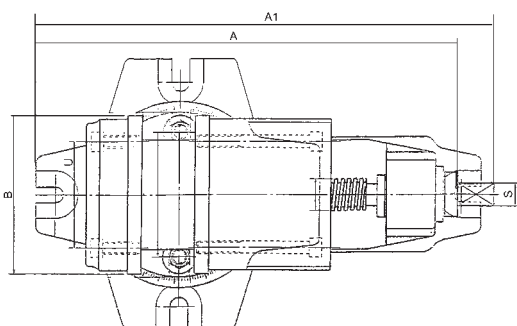


- The enclosed lead screw and sliding surface are harden and ground.
- Highest clamping power. It's very accurate and durable.
- This Vise is so designed that the horizontal Force generated by tightening the handle pushes the semisphere within the movable jaw and thus thrusts the movable jaw downward.
- There fore, the workpiece does not lift, even if it is held at the top of the jaw plates.
- Four setting positions of the jaw plates are available, widening the jaw plates opening.
- The new VD675, VA-8L have two major improvments: a wide opening jaw and a new stationary jaw that features an integral key larger fasteners which reduce deflectionby 50%
- ACCURACE WITHIN 0.02mm

Order No. & Dimensions

Unit:mm/inches

ORDER NO.	A	B	C OPEN	a	k	c	d	e	f	Gross weight kg		Meas. CFT	CODE NO.
										plain	with swivel base		
VA-4	102 4 1/64	36 1 27/64	103 4 1/16	325 12 13/16	165 6 1/2	96 3 29/32	243 9 9/16	31 1 7/32	6 1/4	16 36	(C)20.4	0.5	1002-030
VA-5	131 5 5/32	36 1 13/32	110 4 21/64	357 14 1/16	193 7 5/8	101 3 31/32	278 11	32 1 3/4	7 5/16	25 55	(C)29.7	0.9	1002-031
VA-6	152 6	46 2	142 5 9/32	418 16 7/16	209 8 1/4	119 4 11/16	328 12 29/32	39 1 17/32	9 3/8	36 80	(C)42.6	1.5	1002-032
VA-8	200 7 7/8	62 2 7/16	197 7 3/4	548 21 9/16	295 11 5/8	147 5 13/16	416 16 3/8	45 1 25/32	11 7/16	70 155	(W)80.8	2.7	1002-033
VD-675	152 6	38 1 1/2	190 7 1/2	552 21 3/4	295 11 5/8	134 5 5/16	381 15	47 1 7/8	11 7/16	37 82	(C)45.6	1.5	1002-034
VA-8L	203 8	60 2 3/8	260 10 1/4	596 23 1/2	203 8	148 5 13/16	330 13	40 1 1/2		72 155	(W)71.6	2.7	1002-035



- It's a practical piece of equipment with excellent precision and a high quality finished.
- Body, movable jaw and swivel base made of closes-grained high tensile iron castings. Built for heavy duty machining and retained accuracy.
- Jaw plates were made of hardened and grounded tool steel.
- It's the most suitable for the Milling, Grinding and Drilling.
- ACCURACE WITHIN 0.02mm

Order No. & Dimensions

Unit:mm

ORDER NO.	A	A1	B	c	D	E	C OPEN	G	H	N1	Q	S □	U	G.W. (kg)	Meas CFT	CODE NO.
VK-4	280	310	102	84	113	9	62	36	14	123	11	15	68	(C)10	0.2	1002-040
VK-5	355	380	131	96	130	9	80	36	16	148	12	15	80	(C)16.6	0.5	1002.041
VK-6	435	470	152	107	150	9	112	42	18	182	13	17	90	(C)27.8	1.1	1002-042
VK-8	560	600	204	148	191	13	146	62	24	233	18	21	120	(C)56	1.5	1002-043



Super Open Vise

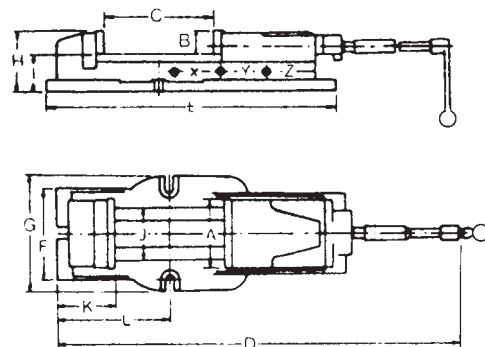


VERTEX

MECHANICAL TYPE



VJ-600



EXCEPT THE HYDRAULIC SYSTEM,
THE FEATURE IS SAME AS VH-TYPE
ACCURACE WITHIN 0.02mm

VJ-400 JAW OPENED 185mm
VJ-500 JAW OPENED 245mm
VJ-600 JAW OPENED 305mm

Order No. & Dimensions

Unit:mm

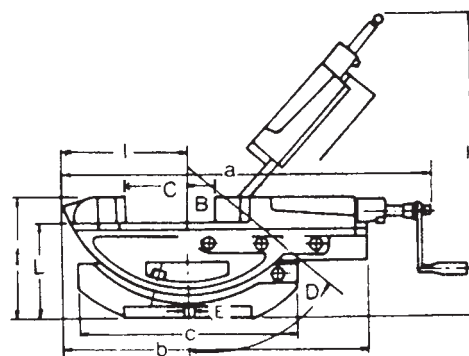
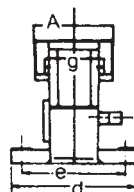
ORDER NO.	A	B	C OPEN	D	E	F	G	H	I	J	K	L	G.W. (kg)	Meas CFT	CODE NO.
VJ-400	110	37	185	522	440	133	168	94	58	80	97	150	(C) 24.8	0.8	1002-050
VJ-500	130	48	245	580	455	168	192	114	65	97	75	157	(C) 33.4	1.5	1002-051
VJ-600	154	54	305	695	540	186	200	131	78	116	90	182	(C) 46.1	2.2	1002-052



2-Way Angle Milling Vise

VWT-4

VWT-6



EXCEPT THE HYDRAULIC SYSTEM,
THE FEATURE IS SAME AS VHT-TYPE

VWT-4 JAW OPENED 100mm
VWT-6 JAW OPENED 300mm

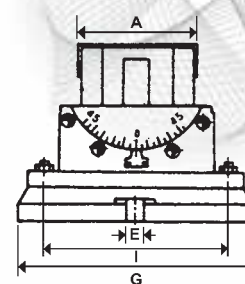
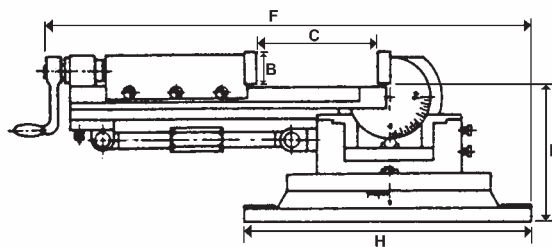
Order No. & Dimensions

Unit:mm

ORDER NO.	A	B	C OPEN	D	E	a	b	c	f	h	l	L	G.W. (kg)	Meas CFT	CODE NO.
VWT-4	104	36	100	50	14	523	404	325	177	90	184	141	(C) 22.6	1.2	1002-060
VWT-6	154	51	300	50	16	801	585	415	237	121	241	186	(W) 79.7	4.4	1002-061



3-Way Angle Milling Vise



- Angles can be set in 3 dimensions. Swivels 360° around base. The vise can be elevated through 90° from the horizontal to vertical. And also can be tilted on its lower angle base up to 45° in both right and left.
- Tilting of any angle all keep the workpiece steady, smooth.
- Particularly the clamping part of screw is strengthened by a bush made of gunmetal.

Specifications

Unit:mm

ORDER NO.	A	B	C OPEN	D	E	F	G	H	I	Total Height	Gross Weight kg	Meas CFT	CODE NO.
VW-3	82	30	85	125	14	400	185	240	210	475	(C)16.7	0.7	1002-080
VW-4	110	38	116	140	16	530	238	317	280	595	(C)32.7	1.2	1002-081
VW-5	135	38	145	167	18	620	270	357	320	690	(W)49.4	1.6	1002-082



2-Way Machine Vise



- Heavy cast iron structure
- Scales in both axis
- 360° swivel around Z-axis
- 90° vertical and horizontal swivel

mm

ORDER NO.	Jaw		C Max. opening	Alignment slot	Height	L x W x H (OVERALL)	Weight (kgs)	Packing	CODE NO.
	Width	Height							
VWT-5	125	46	100	16	160mm	410x315x160	31.7	420x315x280	1002-090
VWT-6A	160	51	120	16	195mm	430x320x195	47	510x365x240	1002-091



Quick Bench Vise

ORDER NO.VQS-40 CODE NO.1002-096



- Hardened & Ground Jaw
- Jaw Width 100 m/m
- Jaw Height 29 m/m
- Opened Capacity 100 m/m
- 8 m/m Distance of Quick Clamping System
- Can Be Move By Handle & By Quick Action Arm



U/N Work Stopper

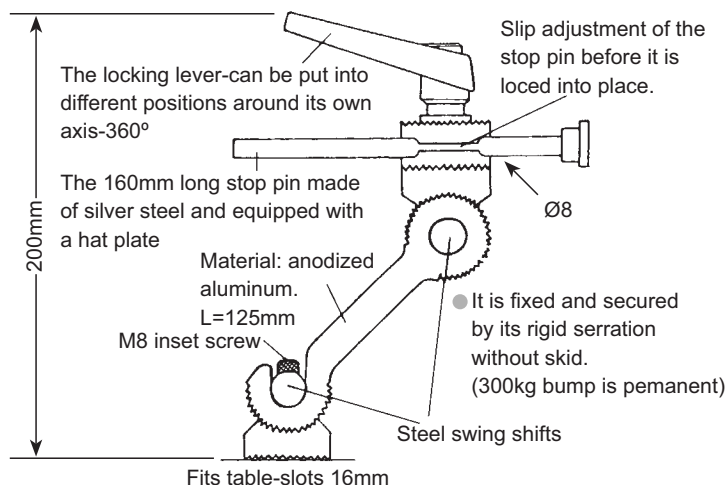


VERTEX



NON TEETH TYPE
ORDER NO. VWS-123
CODE NO. 1002-105
WEIGHT: 0.9kg

ORDER NO. VWS-125
CODE NO. 1002-106
WEIGHT: 1.1kg



Universal Vise Jaws With Work Stopper

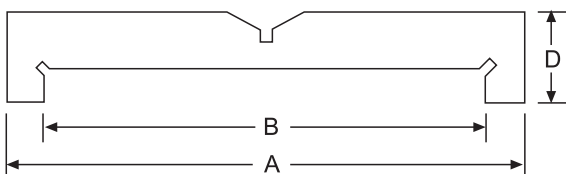
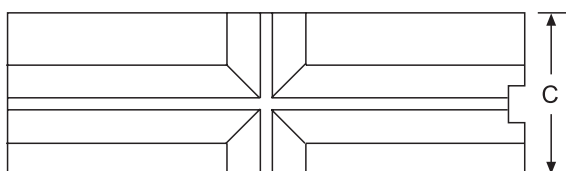


Unit:mm

ORDER NO.	A	B	C	D	WEIGHT kgs	CODE NO.
VWSJ-4	145	110	49	38	1.6	1002-170
VWSJ-5	175	140	49	39	1.7	1002-171
VWSJ-6	190	160	53	40	2	1002-172
VWSJ-8	245	210	76	42	4.2	1002-173

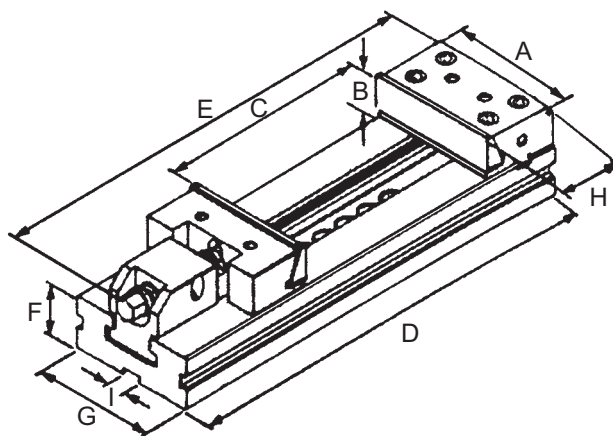
ORDER NO. VWSJ-4, 5, 6, 8

- Can be fixed on any vise jaw by the two screws on the side.
- One jaw in multiple- function features.
- V-type jaw can fix workpiece at horizontal and vertical position.
- Can be performed as work stopper.
- Quick, save your time.



ORDER NO.
VWSJ-□ — VISE JAW SIZE
 (Unit:inch)

4 FOR THE JAW WIDTH 100-105m/m
 5 FOR THE JAW WIDTH 125-130m/m
 6 FOR THE JAW WIDTH 150-160m/m
 8 FOR THE JAW WIDTH 200-210m/m



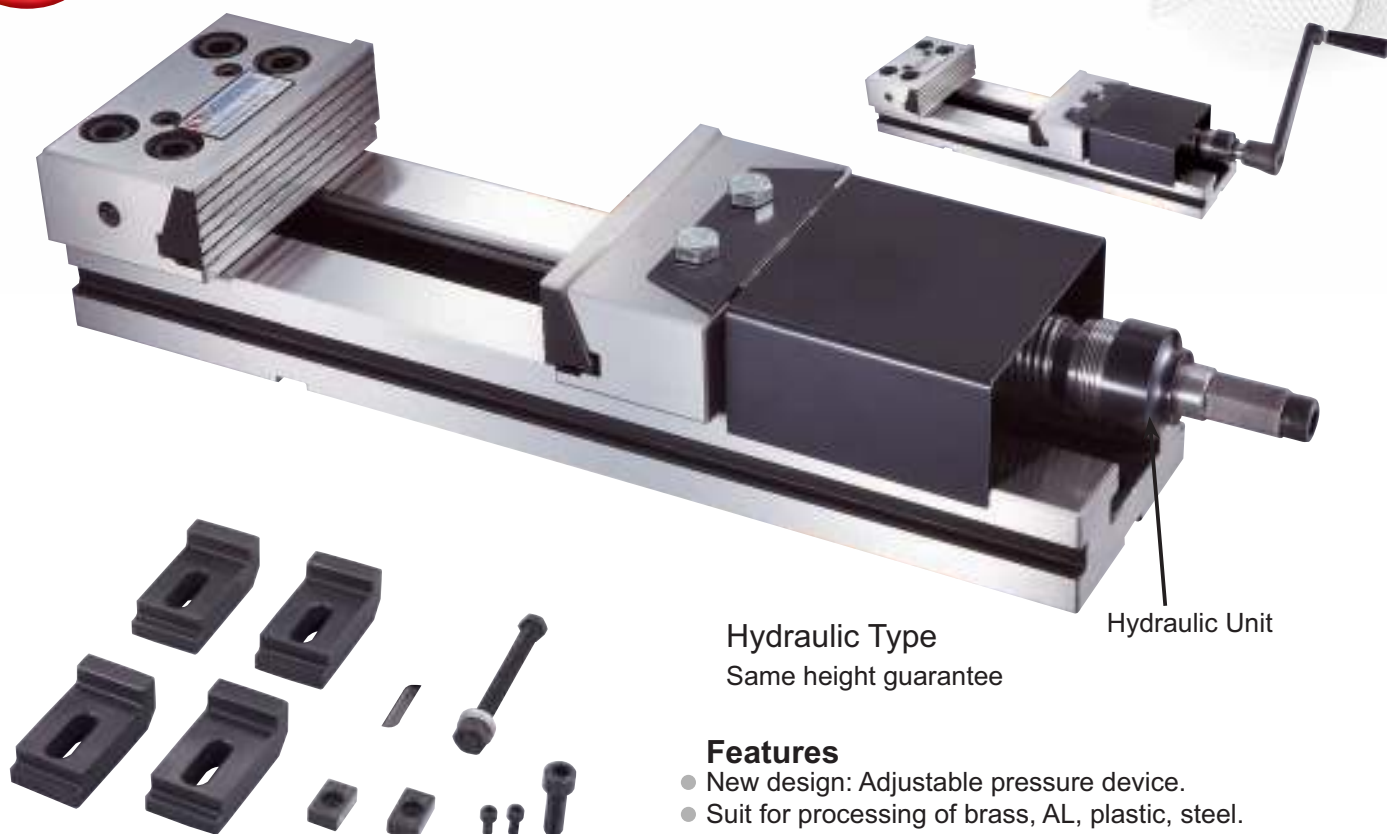
Features

- High Accuracy 0.01/100 m/m
- Unlimited Clamping Range
- High Quality Alloy Steel with HRC 59
- High Clamping Pressure
- EACH ONE IS SAME AS HEIGHT.
- CAN BE USED IN MULTIPLE STYLE.
- No Length of Height Limitation
- No Jaw Lift
- Low Profile
- All Vises are Matched parallelism $\pm 0.01/100$ m/m
- Optional=Swivel base

ORDER NO.	VMP -4	VMP -5	VMP -6	VMP -6B	VMP -6C	VMP -7A	VMP -7B	VMP -7C	VMP -8A	VMP -8B	VMP -8C	VMP -8D	VMP -12C	VMP -12E
A	100	125	150	150	150	175	175	175	200	200	200	200	300	300
B	30	40	50	50	50	60	60	60	65	65	65	65	80	80
C OPEN	100	150	200	300	400	200	300	400	200	300	400	500	400	600
D	270	345	420	520	620	455	555	655	573	595	695	795	735	935
E	325	146	530	600	700	620	620	620	718	718	718	880	830	1030
F	35	40	50	50	50	58	58	58	70	70	70	70	78	78
G	75	96	125	125	125	145	145	145	170	170	170	170	195	195
H	78	78	90	89.4	89.4	97	97	97	114	114	114	113.4	120.4	120.4
I	16	16	16	16	16	16	16	16	16	16	16	16	16	16
KG	9.2	16	28.5	34.8	38.1	43.7	48.3	53.5	66.3	73.2	81.3	87.2	125	143
CODE NO.	1002 -190	1002 -191	1002 -192	1002 -201	1002 -202	1002 -193	1002 -194	1002 -195	1002 -196	1002 -197	1002 -198	1002 -203	1002 -204	1002 -205



NEW

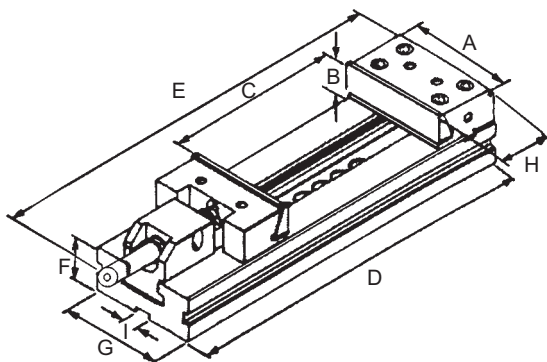


Hydraulic Type
Same height guarantee

Hydraulic Unit

Features

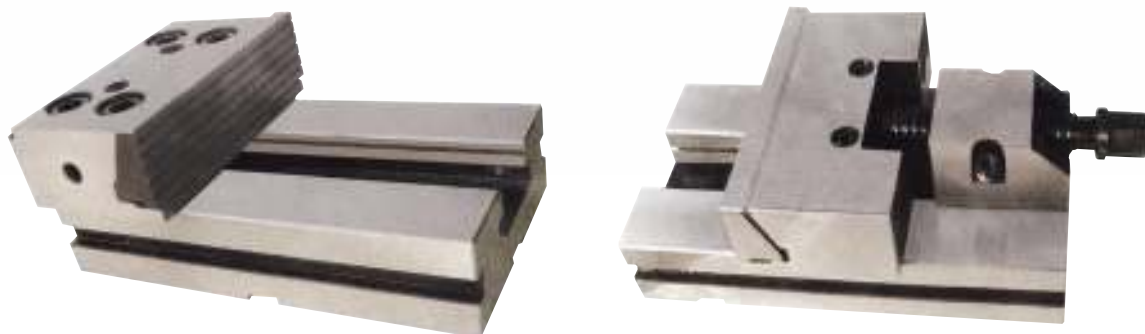
- New design: Adjustable pressure device.
- Suit for processing of brass, AL, plastic, steel.
- New design: super open jaw size, smallest open jaw size.
- lock proof system: prevent wrong clamping force sticks the vise.
- Hydraulic clamping force 4500kg for heavy duty cutting. The screw mechanism type clamping force is 2200 kgs
- Smooth & light operation for the handle.
- High accuracy 0.01/100 m/m
- Unlimited clamping range
- High quality alloy steel with HRC 59
- High clamping pressure
- Eachone is same as height.
- Can be used in multiple style.
- No length of height limitation
- No jaw lift
- Low profile
- All vises are matched parallelism $\pm 0.01/100$ m/m



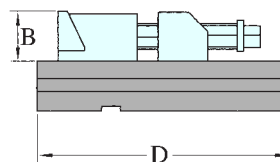
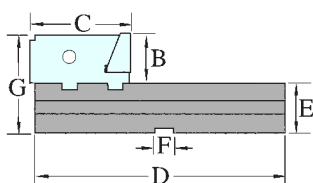
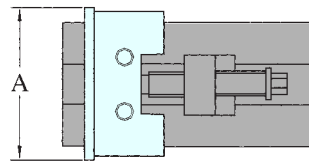
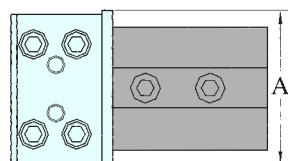
ORDER NO.	VMP -6BH	VMP -6CH	VMP -7AH	VMP -7BH	VMP -7CH	VMP -8AH	VMP -8BH	VMP -8CH	VMP -8DH	VMP-12CH	VMP -12EH
A	150	150	175	175	175	200	200	200	200	300	300
B	50	50	60	60	60	65	65	65	65	80	80
C OPEN	300	400	200	300	400	200	300	400	500	400	600
D	520	620	455	555	655	573	595	695	795	735	935
E	800	900	820	820	820	918	918	918	1080	1030	1230
F	50	50	58	58	58	70	70	70	70	78	78
G	125	125	145	145	145	170	170	170	170	195	195
H	89.4	89.4	97	97	97	114	114	114	113.4	120.4	120.4
I	16	16	16	16	16	16	16	16	16	16	16
KG	29	33	38	43	48	65	69	74	79	115	135
CODE NO.	1002-201H	1002-202H	1002-193H	1002-194H	1002-195H	1002-196H	1002-197H	1002-198H	1002-203H	1002-204H	1002-205H



MODULAR VISES are manufactured under rigid quality control. Only the most suitable materials are used, and the accuracy of even the smallest components is assured. As a result of the high standard construction MODULAR VISES can be depended upon to maintain their accuracy under the most severe operating conditions.



Free head stock & fixed stock can for large wider workpiece use.



ORDER NO.	VMP-4L	VMP-5L	VMP-6L	VMP-7L
A	100	125	150	175
B	30	40	50	60
C	78	78	90	97
D	140	160	230	240
E	35	40	50	58
F	16	16	16	16
G	65	80	100	118
CODE NO.	1002-206	1002-207	1002-208	1002-209



Lock-Fixed II Precision Machine Vise



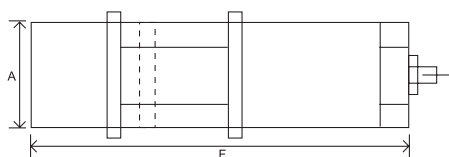
VERTEX



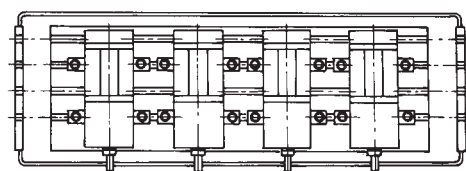
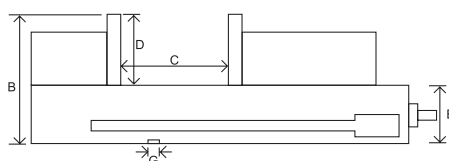
ORDER NO.
VMC-4
VMC-6



- With the ability of lock-fixed III 2, 3, 4, 5.
- Use the semi-sphere segment principle.
- When operate several vises (in a row) put on one machine bed, the operating situation is showed as below:



Performed sided vertically.



Performed jointly.

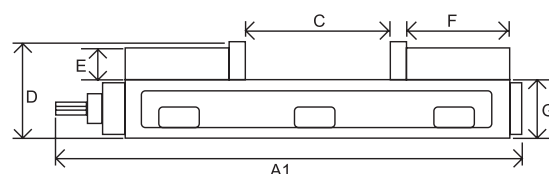
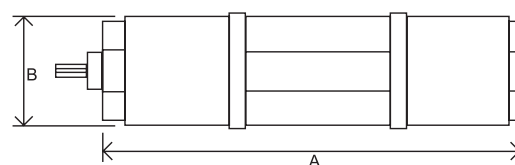


ORDER NO.	A	B	C OPEN	D	E	F	G	MEAS CUFT	WEIGHT (kg)	CODE NO.
VMC-4	108	100	100	37	63	285	16	0.4	14.2	1002-185
VMC-6	156	120	142	46	74	368	16	1.1	29.8	1002-186



Compound Precision Vise

NEW



- Self centering. Suit for rough or irregular workpiece.
 - Compact design
 - High Accuracy
 - Super open capacity
 - Suitable for irregular workpiece.
- Rapid and convenient centralizing.

ORDER NO.	A	A1	B	C OPEN	D	E	F	G	kgs	CODE NO.
VCV-44	415	462	102	195	95	30	102	60	17.7	1002-240



Hydraulic Machine Vise



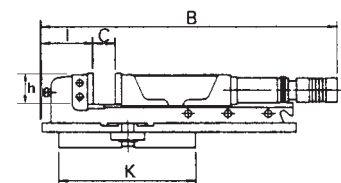
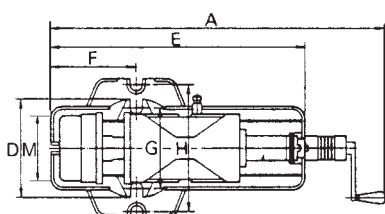
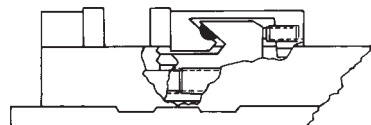
VERTEX

Build Out Type



Features

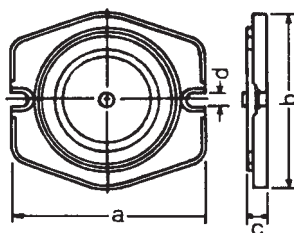
- Rigid material-vise body of ductile iron FCD 60JIS (equal to GGG 60) with 60 kgs/mm² or 80,000 psi tensile strength.
- Vise bed flame hardened to HRC 45 and up, takes up wear and maintain accuracy for long.
- For multiple use plural vises are available on tolerance of 0.01mm in the height of vise bed and in alignment of the clamping surface of the vise jaw at extra cost.
- Mechanical/hydraulic spindle without original clutch mechanism.
- Down thrust "Semi-sphere Segment" mechanism-eliminates jaw lifting and work flitting.
- All surface ground.



Unit:mm

ORDER NO.	A	B	C OPEN	D	E	F	G	H	I	K	M	h	CLAMPING FORCE	N.W. kgs	CODE NO.
VHO-5	695 920	570 795	0-220	190	505	180	160	250	105	260	130	55	3500kg	36.5	1002-220
VHO-6	750 1060	625 935	0-300	240	625	208	196	300	125	320	160	58	4000kg	59.1	1002-221
VHO-8	830 1140	725 1035	0-310	280	700	265	240	360	165	365	200	63	6000kg	94.3	1002-228

Swivel Base Optional



ORDER NO.	A	B	C	D	N.W. kgs	CODE NO.
HSO-5	285	263	35	16	12.5	1002-222
HSO-6	330	320	40	18	16.5	1002-223
HSO-8	415	413	50	21	35	1002-229



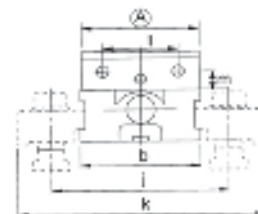
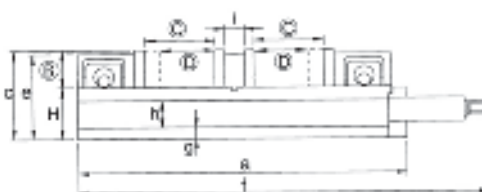
Double Clamp Vise

NEW DESIGN & UNIQUE CONSTRUCTION.
EXCLUSIVELY DESIGNED WITH COMBINATION OF
MACHINABLE FIXTURE JAWS AND HARD JAWS



DOUBLE CLAMP SEAT:

One handle can simultaneously operate two movable jaws and clamps 2 pieces of workpiece of same size or different size or one large workpiece. This model can increase efficiency and productivity of CNC machine.



HIGH & EXCELLENT RIGIDITY.

The vise is made of FCD. 80000 PSI (55 kg/cm²) Ductile iron, and the slide ways are hardened to HRC45. The rigid construction prevents the base from distortion. Precision made to high accuracy standard.

- The movable jaws provide alignment to workpiece without jaw lifting.
- The height of jaw plate is 30% higher than the other vise with the same size.
- There are 6 kinds of clamping ways to meet workpieces of different shapes and sizes.

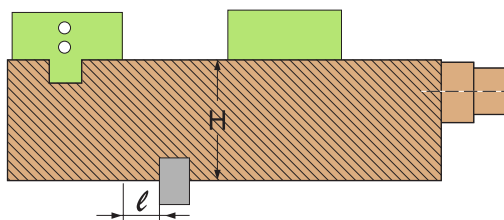
Unit:mm

ORDER NO.	A	B	C OPEN	D	a	b	c	H	e	f	g	h	i	j	k	l	m	Guide Block	Weight (kgs)	CODE NO.
VMC-6D	152	58	34-102	0-68	495	154	140	90	135	610	18	46	30	165	220	98.4	31.8	18	62.1	4005-021

**NEW**

Great Capacity, Wide Clamping Range Constant Full Length

- Ultra clamping length more than other VMC-vise
- Big jaw opening.
- Easy operation, compact design.
- Even if the jaw is opened, it does not interfere with the cover of the mounting machine.
- Quick set up, time saving.



H-Accurance 0.01mm
l-Accurance 0.01mm

SAME HEIGHT GUARANTEE

Flexible Clamp System

- High precision system keep the dimension tolerance within 0.01/100mm.
- Vise clamps long size workpieces securely & steady.



High power & fine balanced body structure stable clamping force

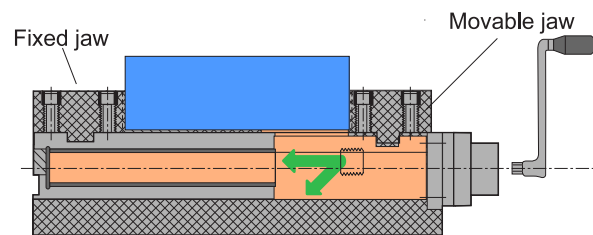
- The clamping force can be easily adjusted due to the preset mechanism.
- Mechanical type toggle enhancement mechanism.
- Clamping force can adjust to suit for different material, such as steel, brass and aluminum



Now to adjust the clamping force

MC Power vises guarantee the lifting of workpiece is within of 0.02/100mm.

- Adapt a blinding beam system with workpiece lift
- prevention mechanism. Pull-in effect.



LOCK DOWN DESIGN

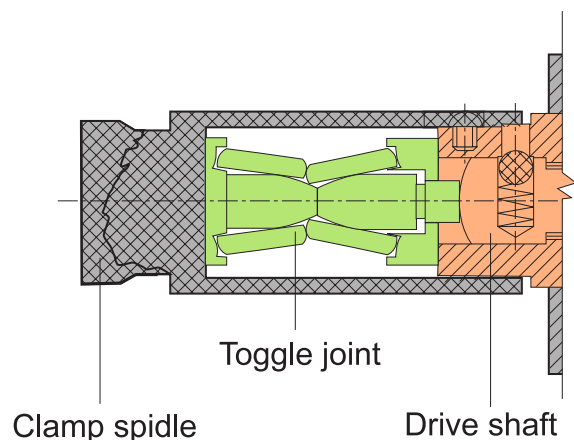


CLAMPING FORCE ADJUSTABLE DESIGN



Toggle joint mechanism.

- One of the best vise mechanism design
- After the moveable jaw touch, turning the handle, onl the drive shaft is transmitted to the enhancement process of toggle joint mechanism unit and the movable jaw clamps the work through the clamp spindle at the preset force.



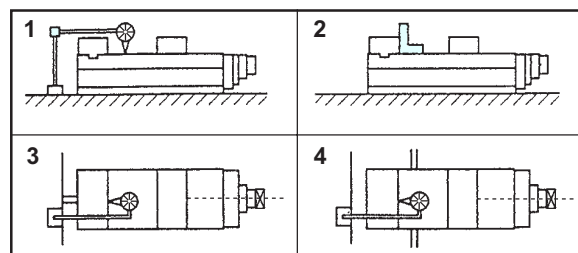


TOGGLE JOINT MECHANISM DESIGN FOR HEAVY DUTY WORKING

Features

- Compact design. Great clamping capacity & rigid.
- "Toggle joint mechanism". Provides a steady clamping force against shocks and vibrations during the operations, since it clamps the workpiece resiliently with an aid of the "disc-springs" mounted inside.
- Strong clamping force.
- Large jaw stroke range.
- Exclusive Power Vise provide same height same position for horizontal and vertical MC, NC, Machine.
- Body is made of FCD60 high quality ductile cast iron, resists deflection or bending.
- Sliding bed ways flame hardened and ground.
- Concealed spindle for protection against chips and dirt.
- Quick of clamping & locking and easy of operation.

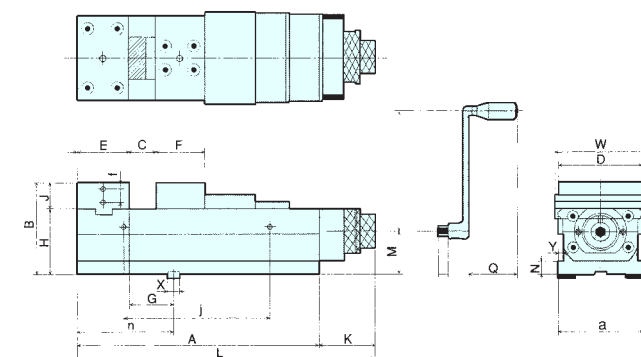
INSPECTION SPECIFICATION



NO.	Inspection Item	Per (100mm)	Guaranteed
1	Parallelism: running face to bottom of bed.		0.01/100mm
2	Squareness :between running face and jaw plate.		0.02/100mm
3	Squareness: keways on bottom of bed to jaw plate.		0.02/100mm
4	Parallelism: running face of the test block to bottom of bed.		0.02/100mm

L TYPE IS ULTRA OPEN TYPE

ORDER NO.	JAW H	JAW Open Z	H	MAX. Clamping Force (KN)	G.W. kg
VQX-125	40	205	140	40	40.4
VQX-160	50	275	165	60	72.3
VQX-160L	50	355	165	60	64
VQX-200L	70	405	190	60	108



ORDER NO.	A	B	a	D	E	F	G	H	J	K	L
VQX-125	365	140	126	124.5	78	74	66	100	40	86.5	451.5
VQX-160	455	165	161	159.5	86	86	58	120	45	98.5	553.5
VQX-160L	535	160	162	160	86	86	58	115	45	98.5	633.5
VQX-200L	615	180	202	200	102	98	74	110	70	95	710

ORDER NO.	M	N	Q	W	X	Y	C OPEN	f	j	n	CODE NO.
VQX-125	65	21	73	135	18	7	205	20	215	145	4005-005
VQX-160	78	21	93	170	18	7	275	20	285	145	4005-006
VQX-160L	78	21	93	174	18	7	355	20	285	145	4005-007
VQX-200L	75	21	95	217	18	7	405	20	385	177	4005-008



ADJUSTING METHOD

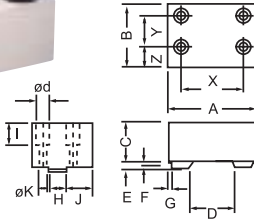
1. FIXED COLLOR
2. TURN BY WENCH TO GET NO.
1, 2, 3, 4.

OPTIONAL:

FJ



Fixed side



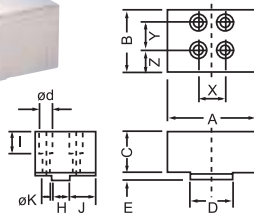
FIXED JAW

ORDER NO.	A	B	C	D	E	F	G	X	Y	Z	I	J	K	H	Ød	CODE NO.
VQX-125FJ	124.5	91	60	63	8	7.7	6	88	45	29.5	33.5	40	13	24	19	4005-014
VQX-160FJ	159.5	102	60	84	9	-	-	124	50	34	30	45	15	28	22	4005-015
VQX-160L-FJ	159.5	102	60	84	9	-	-	124	50	34	30	45	15	28	22	4005-016

MJ



Movable side



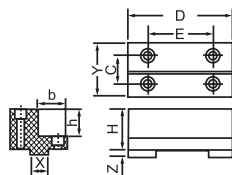
MOVEABLE JAW

ORDER NO.	A	B	C	D	E	X	Y	Z	I	J	K	H	Ød	CODE NO.
VQX-125MJ	124.5	87	60	59.5	8	35	42	29	33.5	38	13	24	13	4005-017
VQX-160MJ	159.5	102	60	80.5	9	56	50	34	30	45	15	28	15	4005-018
VQX-160L-MJ	159.5	102	60	80.5	9	56	50	34	30	45	15	28	15	4005-019



VQX-160 WITH L TYPE FIXED JAW & MOVEABLE JAW

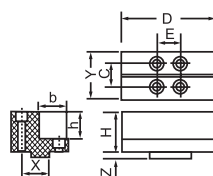
FJL



L TYPE FIXED JAW

ORDER NO.	X	Y	b	Z	C	E	H	h	D	CODE NO.
VQX-125FJL	24	78	39	8	42	88	50	32	125	4005-008A
VQX-160FJL	28	86	43	9	50	124	60	40	160	4005-009
VQX-160L-FJL	28	86	50	9	62	140	85	61	160	4005-010

MJL



L TYPE MOVEABLE JAW

ORDER NO.	X	Y	b	Z	C	E	H	h	D	CODE NO.
VQX-125MJL	24	78	39	8	42	35	50	30	125	4005-011
VQX-160MJL	28	86	43	9	50	56	60	40	160	4005-012
VQX-160L-MJL	28	100	50	9	59	62	85	61	200	4005-013

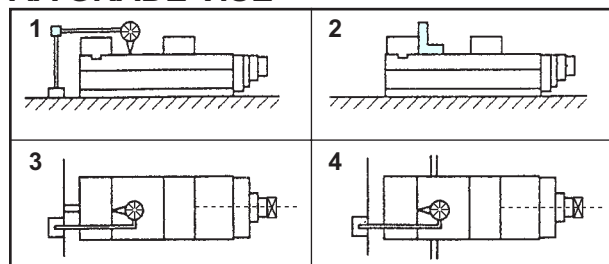

NEW


HYDRAULIC TYPE HEAVY DUTY DESIGN

Features

- Compact design. Great clamping capacity & rigid. Light & smooth operation.
- Constructed for milling, drilling, machining center, grinding and many other machine shop applications.
- Body is made of FCD60 ductile cast iron, HIGH deflection/bending resistant.
- Sliding bed ways flame hardened and ground.
- Concealed spindle for protection against chips and dirt.
- Hydra-booster system for maximum clamping pressure with minimum force.
- Quick of clamping & locking and easy of operation.
- Accuracy within 0.01/100mm.
- Hydra-booster system is guaranteed for using 2 years limited.
- The hydraulic oil number is 68#

AA GRADE VISE



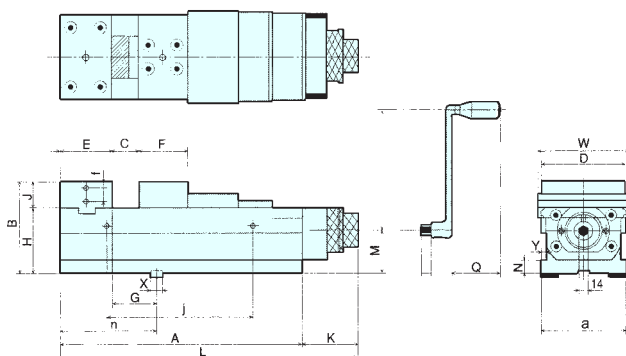
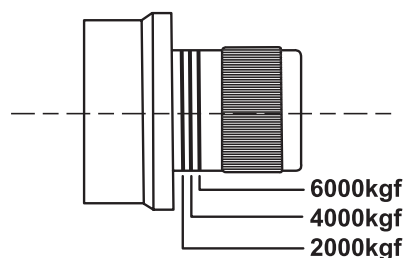
INSPECTION SPECIFICATION

NO.	Inspection Item	Per (100mm)	Guaranteed
1	Parallelism: running face to bottom of bed.		0.01/100mm
2	Squareness :between running face and jaw plate.		0.02/100mm
3	Squareness: keways on bottom of bed to jaw plate.		0.02/100mm
4	Parallelism: running face of the test block to bottom of bed.		0.02/100mm



COMPACT DESIGN-
SMALL LENGTH BODY BUT
SUPER OPEN CAPACITY

HYDRAULIC UNIT-
GREAT SMOOTH OPERATION



ORDER NO.	JAW H	JAW Open Z	H	MAX. Clamping Force (8#KN)	G.W. kg
VQX-125H	40	205	140	40	42.5
VQX-160H	50	275	165	60	66
VQX-160LH	50	365	165	60	64
VQX-200LH	70	405	190	60	108

ORDER NO.	A	B	a	D	E	F	G	H	J	K	L
VQX-125H	365	140	126	124.5	78	74	66	100	40	113.5	478.5
VQX-160H	455	165	161	159.5	86	86	58	120	45	125.5	580.5
VQX-160LH	535	160	162	160	86	86	58	115	45	125.5	660.5
VQX-200LH	615	180	202	200	102	98	74	110	70	122	737

ORDER NO.	M	N	Q	W	X	Y	C OPEN	f	j	n	CODE NO.
VQX-125H	65	21	73	135	18	7	205	20	215	145	4005-005H
VQX-160H	78	21	93	170	18	7	275	20	285	145	4005-006H
VQX-160LH	78	21	93	174	18	7	355	20	285	145	4005-007H
VQX-200LH	75	21	95	217	18	7	405	20	385	177	4006-007AH


NEW
FOR HEAVY DUTY WORKING


Same height guarantee toggle joint type & hydraulic type the size same as VQX-system Page A23 & A26.

UPRIGHT TYPE

ORDER NO.	NUMBER VISE	CODE NO.
VQX-125U2	2 NO. TOGGLE JOINT TYPE	4005-040
VQX-125U4	4 NO. TOGGLE JOINT TYPE	4005-041
VQX-125HU2	2NO. HYDRAULIC TYPE	4005-042
VQX-125HU4	4 NO. HYDRAULIC TYPE	4005-043
VQX-160U2	2NO. TOGGLE JOINT TYPE	4005-044
VQX-160U4	4 NO. TOGGLE JOINT TYPE	4005-045
VQX-160LU2	2 NO. LONG WITH TOGGLE JOINT TYPE	4005-046
VQX-160LU4	4 NO. LONG WITH TOGGLE JOINT TYPE	4005-047
VQX-160HU2	2NO. HYDRAULIC TYPE	4005-048
VQX-160HU4	4 NO. HYDRAULIC TYPE	4005-049
VQX-160LH2	2NO. LONG WITH HYDRAULIC TYPE	4005-050
VQX-160LH4	4 NO. LONG WITH HYDRAULIC TYPE	4005-051
VQX-200L2	2NO. LONG WITH TOGGLE JOINT TYPE	4005-052
VQX-200L4	4 NO. LONG WITH TOGGLE JOINT TYPE	4005-053
VQX-200LH2	2NO. LONG WITH HYDRAULIC TYPE	4005-054
VQX-200LH4	4 NO. LONG WITH HYDRAULIC TYPE	4005-055


NEW


VQX-125FV

TOGGLE JOINT POWER FORCE TYPE



VQX-125HFV

HYDRAULIC TYPE

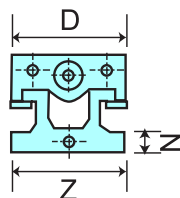
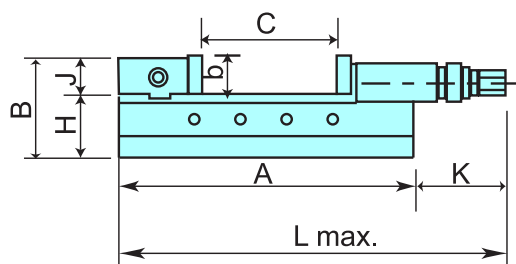
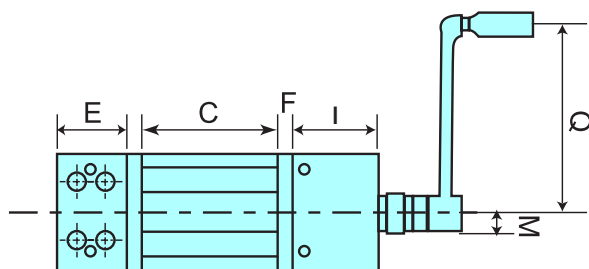


- Heavy duty, high accuracy.
- Free style clamping, for large workpiece.
- Rigidity design, easy setting.

ORDER NO.	JAW WIDTH	JAW HEIGHT	BASE HEIGHT	GUIDE BLOCK	JAW STROKE	CLAMPING FORCE	CODE NO.
VQX-125FV	125	40	100	18	65	40KN	4005-066
VQX-125HFV	125	40	100	18	65	40KN	4005-067
VQX-160FV	275	50	120	18	70	60KN	4005-068
VQX-160HFV	275	50	120	18	70	60KN	4005-069



NEW



ORDER NO.	MAX. OPENED C	Clamping force KN	L MAX. mm	A	B	D	E	F	b	H	J	N	I	Z	weight kgs	CODE NO.
VNC-100H	205	25	464	380	103.5	99.6	67	13	34	70	33.5	24	133	100	19	4005-100
VNC-125H	225	40	556	432	126	124.6	85	15	45	82	44	27	147	125	32	4005-101
VNC-160H	309	50	684	550	148	159.6	102	18	54	95	53	27	189	160	59	4005-102
VNC-160LH	509	50	884		148	159.6	102	18	54	95	53	27	189		76	4005-103



Features

- Hydro-booster system for maximum clamping pressure with minimum force.
- Sliding bed ways flame hardened and ground.
- Compact design. Great clamping capacity. Light & smooth operation.
- Body is made of FCD60 ductile cast iron, High deflection/bending resistant.
- Constructed for machining center, milling, drilling, grinding and many other machine shop applications.

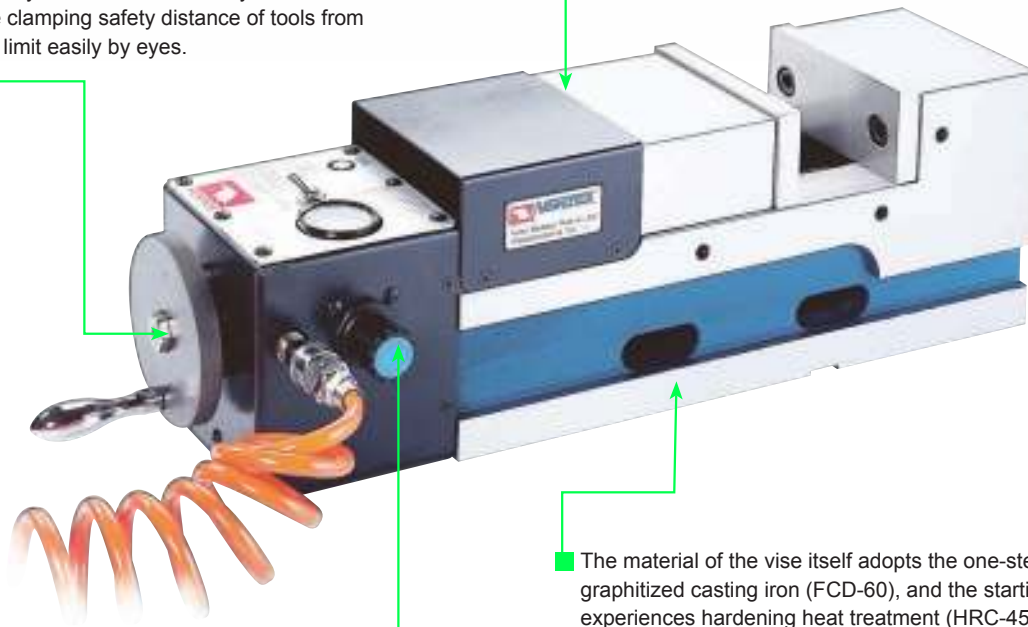


Suitable for mass production and to be used on machine centers, milling machines, drilling machines and special purpose machines.

The greatest safety distance of clamping:

The switch speed is only 1.5 seconds, and the safety distance of clamping can be up to 8mm. We design the hand wheel safety line in addition for anyone to distinguish the clamping safety distance of tools from exceeding the limit easily by eyes.

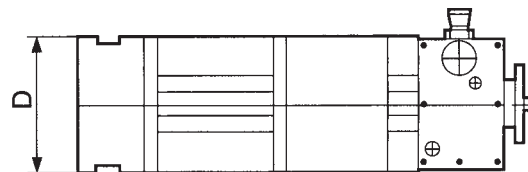
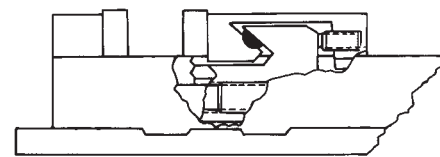
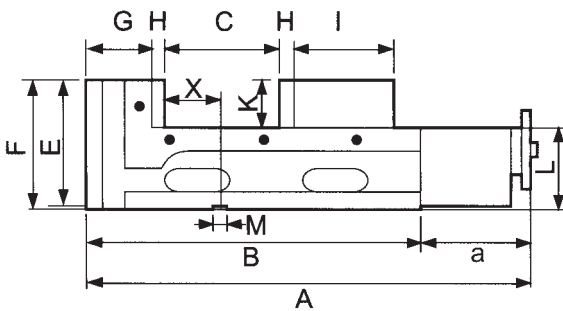
Down trust "semi-spherical segment" mechanism eliminates jaw liffing and work-piece liffing.



The material of the vise itself adopts the one-step design of highductility graphitized casting iron (FCD-60), and the starting rail of the two sides experiences hardening heat treatment (HRC-45°) that can assure good performance on precision, wear-resisting, and tension-resisting.

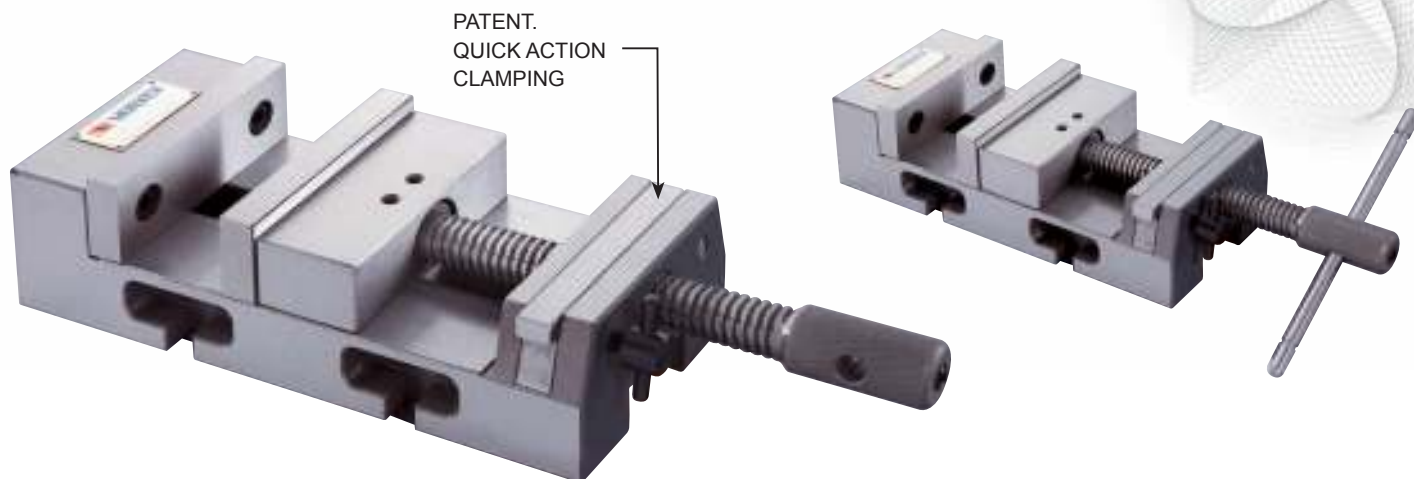
If the source of air pressure is under low pressure exertion of 8 kgf/cm², it can achieve the super strong clamping capacity of 9000 kg/cm². The clamping capacity from 0~9000 kg/cm² can be freely set and adjust via pressure regulator. Automatically seeking the highest source of air pressure:

When the pressure regulator sets the regulator sets the required pressure, it will not be out of order because the source of air pressure is low.



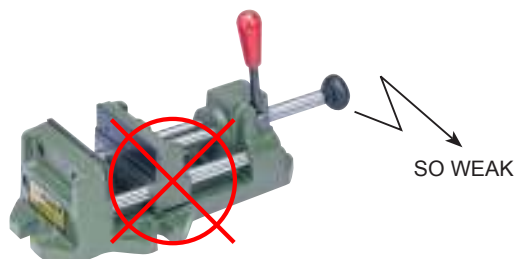
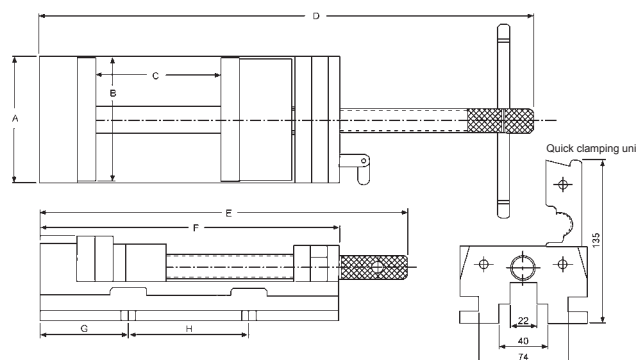
Unit:mm

ORDER NO.	A	B	a	D	E	F	G	H	I	C OPEN	K	L	M	X	Gripping Force (kgf)	N.W. (kg)	G.W. (kg)	CODE NO.
VMC-5P	520	380	140	130	157	160	86	15	110	0-150	55	105	18	45	6000	38	40.8	4005-070
VMC-6P	540	400	140	160	160	163	86	15	120	0-160	58	105	18	45	6000	48	50	4005-071
VMC-6PL	630	490	140	160	160	163	86	15	120	0-250	58	105	18	45	6000	51	56.6	4005-072
VMC-7P	600	460	140	180	170	173	90	18	130	0-200	63	110	18	72	9000	65	66.6	4005-073
VMC-8P	610	470	140	200	170	173	90	18	140	0-200	63	110	18	72	9000	70	76.6	4005-074
VMC-8PL	710	570	140	200	170	173	90	18	140	0-300	63	110	18	72	9000	79	86	4005-075



Features

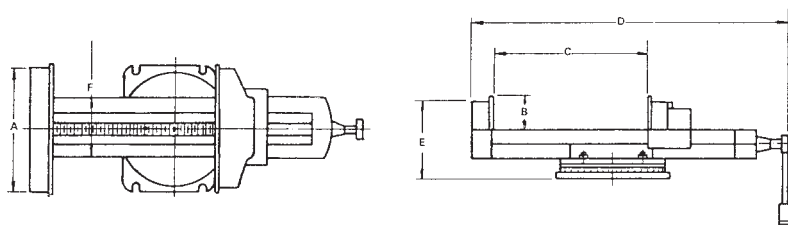
- Special design for quick clamping. (From the acme thread shaft stationly)
- Quick setting by sliding movement. Big clamping capability.
- Operating very quick and easy, can increase so much working efficiency than you can image.
- Good for short term and massive production or proto type work.
- Suit for milling machine, grinder machine, precision drilling machine using.
- Accurate grounded and assembled.
- Precision cut acme thread, it can get 900kgs high clamping force.
- Horizontal & vertical



ORDER NO.	A	B	C OPEN	D	E	F	G	H	G.W.	CODE NO.
VQS-3	82	81	86	374	288	230	75	80	6.8	1002-262
VQS-4	106	105	105	422	317	256	78	100	9.6	1002-263
VQS-5	132	131	125	490	366	297	98	100	14.4	1002-264



Machine Vise For Shaping & Milling Use



The vise is made of the high tension cast iron, rigidity, large range of clamping spans and more bigger clamping force at draw down jaws, especially suitable for the heavy duty cutting and the heavy duty planner milling machine to clamp large workpiece.

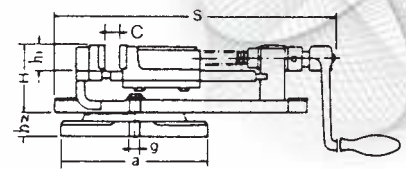
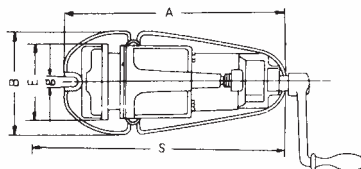
ORDER NO.	A	B	C OPEN	D	E	F	N.W./G.W. (KGS)	CODE NO.
VSM-12	300	70	300	650	210	220	80/83.9	1002-270
VSM-16	410	90	410	790	240	250	135/141.7	1002-271
VSM-20	500	90	500	910	250	305	175/200	1002-272



B-Type Milling Vise



VERTEX



- A wider bottom to increase clamping force.
- Groove device to collect cutting oil.
- Full 360° swivel base with line, accurate graduation.

Please refer to page 11 Fig.2

Unit:mm

ORDER NO.	E	A	B	H	C OPEN	S	a	h1	h2	g1	g2	G.W. kgs	CODE NO.
VBV-4	100	270	140	79	65	305	212	33	28	12	12	13	1002-280
VBV-5	125	350	180	96	100	410	280	37	35	15	15	21.6	1002-281
VBV-6	150	400	210	105	114	460	245	40	40	16	16	37.8	1002-282



Free Vise

Unit:mm



ORDER NO.	DIMENSION (WxHxL)	CLAMPING CAPACITY (HxL)	WEIGHT (kgs/2PCS)	CODE NO.
FV-350	75x67x150mm	140x350mm	7.7	1002-290
FV-450	100x90x200mm	180x450mm	14	1002-291
FV-550	125x120x250mm	250x550mm	23.1	1002-292

ORDER NO.	BOLT SIZE
FV-350	M12 x 75L x 2PCS. M12 x 100L x 2PCS
FV-450	M12 x 75L x 2PCS. M12 x 125L x 2PCS
FV-550	M16 x 75L x 2PCS. M16 x 150L x 2PCS

FV TYPE IS LIGHT DUTY.

- Free style clamping.

Unit:mm

ORDER NO.	CLAMPING HEIGHT	SIZE	N.W.(kgs)	CODE NO.
SV-62	56	65x140x60	5.8	1002-293
SV-85	82	90x193x85	11	1002-294
SV-125	130	124x220x95	21.1	1002-295

ORDER NO.	BOLT SIZE
SV-62	M12 x 75L x 4PCS
SV-85	M16 x 75L x 4PCS
SV-125	M16 x 75L x 4PCS

- Free style clamping.
- Heavier duty.

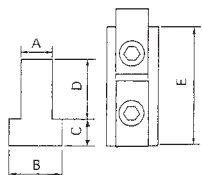


T Slot Clamps

For Thin Work Piece



- 1 Set consist of 4 vices.
- For thin or small workpiece.
- Good clamping force.
- Quick setting
- Suit for light duty cutting on the milling drilling / EDM machine.

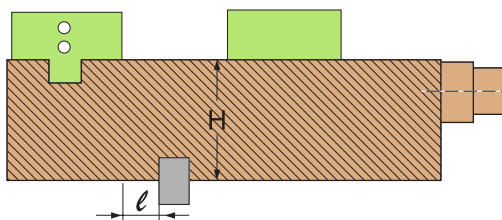


ORDER NO.	A	B	C	D	E	N.W.	CODE NO.
CK-3712	11.5	18	7	16	38	0.6	1002-311
CK-3714	13.5	22	8	18	40	0.8	1002-312
CK-3716	15.5	25	8	21	45	0.9	1002-313
CK-3718	17.5	28	11	24	45	1.1	1002-314
CK-3720	19.5	32	12	26	50	1.5	1002-315

**NEW**

Great Capacity, Wide Clamping Range Constant Full Length

- **Ultra clamping length more than other VMC-vise**
- Big jaw opening.
- Easy operation, compact design.
- Even if the jaw is opened, it does not interfere with the cover of the mounting machine.
- Quick set up, time saving.



H-Accurance 0.01mm
l-Accurance 0.01mm

SAME HEIGHT GUARANTEE

Flexible Clamp System

- High precision system keep the dimension tolerance within 0.01/100mm.
- Vise clamps long size workpieces securely & steady.



High power & fine balanced body structure stable clamping force

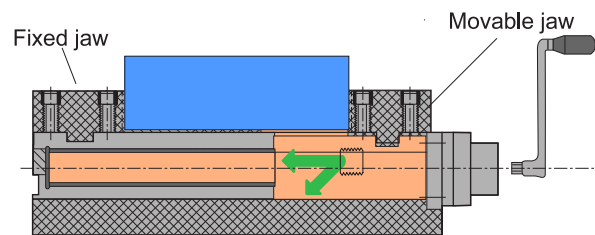
- The clamping force can be easily adjusted due to the preset mechanism.
- Mechanical type toggle enhancement mechanism.
- Clamping force can adjust to suit for different material, such as steel, brass and aluminum



Now to adjust the clamping force

MC Power vises guarantee the lifting of workpiece is within of 0.02/100mm.

- Adapt a blinding beam system with workpiece lift
- prevention mechanism. Pull-in effect.



LOCK DOWN DESIGN

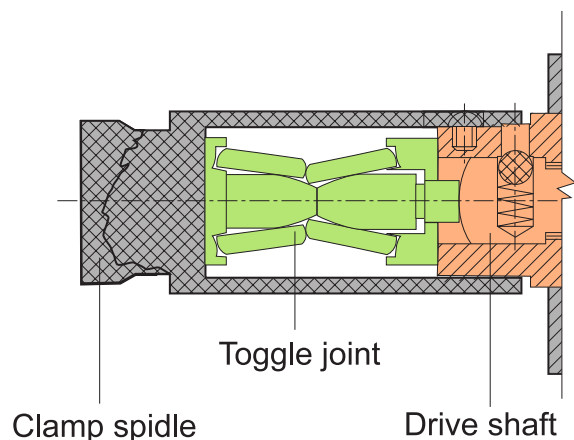


CLAMPING FORCE ADJUSTABLE DESIGN



Toggle joint mechanism.

- One of the best vise mechanism design
- After the moveable jaw touch, turning the handle, onl the drive shaft is transmitted to the enhancement process of toggle joint mechanism unit and the movable jaw clamps the work through the clamp spindle at the preset force.

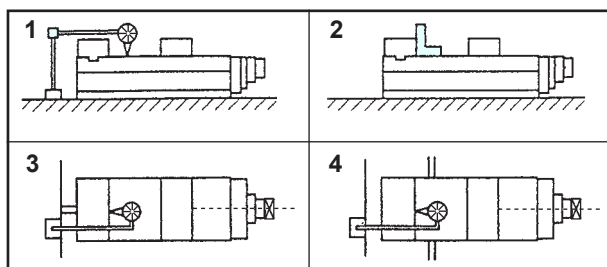




TOGGLE JOINT MECHANISM DESIGN FOR HEAVY DUTY WORKING

Features

- Compact design. Great clamping capacity & rigid.
- "Toggle joint mechanism". Provides a steady clamping force against shocks and vibrations during the operations, since it clamps the workpiece resiliently with an aid of the "disc-springs" mounted inside.
- Strong clamping force.
- Large jaw stroke range.
- Exclusive Power Vise provide same height same position for horizontal and vertical MC, NC, Machine.
- Body is made of FCD60 high quality ductile cast iron, resists deflection or bending.
- Sliding bed ways flame hardened and ground.
- Concealed spindle for protection against chips and dirt.
- Quick of clamping & locking and easy of operation.

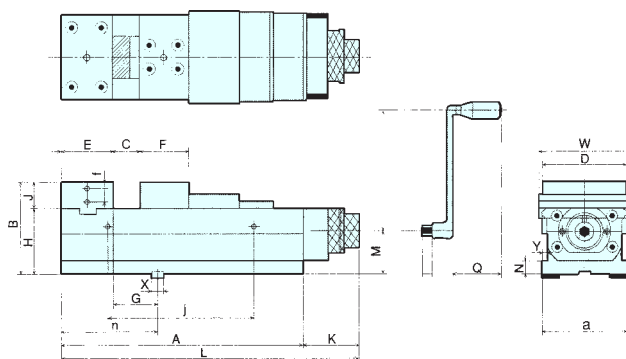


INSPECTION SPECIFICATION

NO.	Inspection Item	Per (100mm)	Guaranteed
1	Parallelism: running face to bottom of bed.		0.01/100mm
2	Squareness :between running face and jaw plate.		0.02/100mm
3	Squareness: keways on bottom of bed to jaw plate.		0.02/100mm
4	Parallelism: running face of the test block to bottom of bed.		0.02/100mm

L TYPE IS ULTRA OPEN TYPE

ORDER NO.	JAW H	JAW Open Z	H	MAX. Clamping Force (KN)	G.W. kg
VQX-125	40	205	140	40	42.5
VQX-160	50	275	165	60	66
VQX-160L	50	355	165	60	64
VQX-200L	70	405	190	60	108



ORDER NO.	A	B	a	D	E	F	G	H	J	K	L
VQX-125	365	140	126	124.5	78	74	66	100	40	86.5	451.5
VQX-160	455	165	161	159.5	86	86	58	120	45	98.5	553.5
VQX-160L	535	160	162	160	86	86	58	115	45	98.5	633.5
VQX-200L	615	180	202	200	102	98	74	110	70	95	710

ORDER NO.	M	N	Q	W	X	Y	C OPEN	f	j	n	CODE NO.
VQX-125	65	21	73	135	18	7	205	20	215	145	4005-005
VQX-160	78	21	93	170	18	7	275	20	285	145	4005-006
VQX-160L	78	21	93	174	18	7	355	20	285	145	4005-007
VQX-200L	75	21	95	217	18	7	405	20	385	177	4005-008



ADJUSTING METHOD

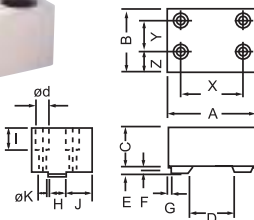
1. FIXED COLLOR
2. TURN BY WENCH TO GET NO.
1, 2, 3, 4.

OPTIONAL:

FJ



Fixed side



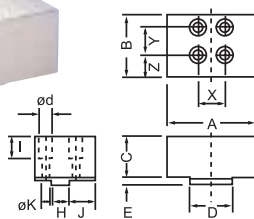
FIXED JAW

ORDER NO.	A	B	C	D	E	F	G	X	Y	Z	I	J	K	H	Ød	CODE NO.
VQX-125FJ	124.5	91	60	63	8	7.7	6	88	45	29.5	33.5	40	13	24	19	4005-014
VQX-160FJ	159.5	102	60	84	9	-	-	124	50	34	30	45	15	28	22	4005-015
VQX-160L-FJ	159.5	102	60	84	9	-	-	124	50	34	30	45	15	28	22	4005-016

MJ



Movable side



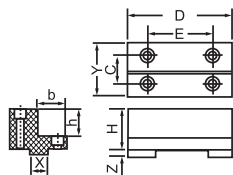
MOVEABLE JAW

ORDER NO.	A	B	C	D	E	X	Y	Z	I	J	K	H	Ød	CODE NO.
VQX-125MJ	124.5	87	60	59.5	8	35	42	29	33.5	38	13	24	13	4005-017
VQX-160MJ	159.5	102	60	80.5	9	56	50	34	30	45	15	28	15	4005-018
VQX-160L-MJ	159.5	102	60	80.5	9	56	50	34	30	45	15	28	15	4005-019



VQX-160 WITH L TYPE FIXED JAW & MOVEABLE JAW

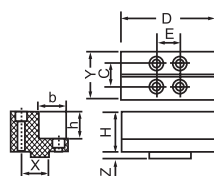
FJL



L TYPE FIXED JAW

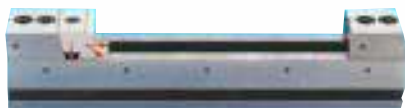
ORDER NO.	X	Y	b	Z	C	E	H	h	D	CODE NO.
VQX-125FJL	24	78	39	8	42	88	50	32	125	4005-008A
VQX-160FJL	28	86	43	9	50	124	60	40	160	4005-009
VQX-160L-FJL	28	86	50	9	62	140	85	61	160	4005-010

MJL



L TYPE MOVEABLE JAW

ORDER NO.	X	Y	b	Z	C	E	H	h	D	CODE NO.
VQX-125MJL	24	78	39	8	42	35	50	30	125	4005-011
VQX-160MJL	28	86	43	9	50	56	60	40	160	4005-012
VQX-160L-MJL	28	100	50	9	59	62	85	61	200	4005-013



one workpieces



two workpieces



three workpieces



four workpieces



five workpieces



six workpieces



seven workpieces

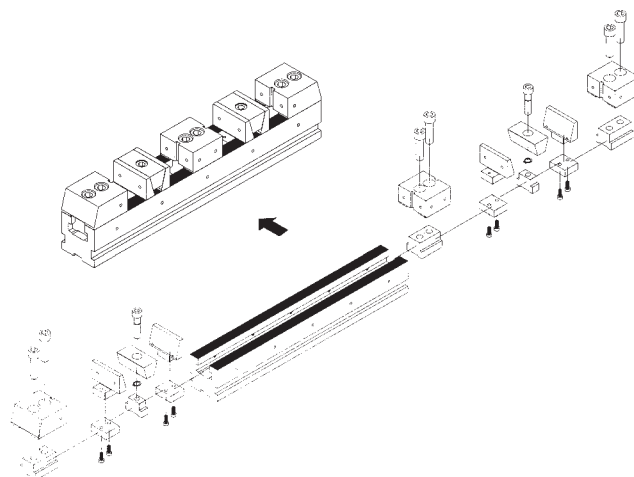
ONE WAY FIX JAW TYPE

Maximum width of the workpieces can be clamped

ORDER NO.	One workpiece	Two workpieces	Three workpieces	Four workpieces
				
VFS-5030	203	71	27	--
VFS-5040	303	121	60	30
VFS-5050	403	171	94	55
VFS-5060	503	221	127	80
VFS-5070	603	271	160	105
VFS-7240	269	93	35	--
VFS-7250	369	143	68	30
VFS-7260	469	193	101	55
VFS-7270	569	243	135	80

ORDER NO.	Five workpiece	Six workpiece	Seven workpiece	Eight workpiece	Nine workpiece
					
VFS-5030	--	--	--	--	--
VFS-5040	--	--	--	--	--
VFS-5050	32	16	--	--	--
VFS-5060	52	33	20	--	--
VFS-5070	72	50	34	22	13
VFS-7240	--	--	--	--	--
VFS-7250	--	--	--	--	--
VFS-7260	28	--	--	--	--
VFS-7270	48	26	--	--	--

Detail A





one workpieces



two workpieces



three workpieces



four workpieces



five workpieces



six workpieces



seven workpieces

TOW WAY FIX JAW TYPE

Maximum width of the workpieces can be clamped

ORDER NO.	One workpiece	Two workpieces	Three workpieces	Four workpieces	Five workpieces
VFL-5030	176	82	32	21	--
VFL-5040	276	132	65	46	23
VFL-5050	376	182	98	71	43
VFL-5060	476	232	132	96	63
VFL-7240	217	100	33	20	--
VFL-7250	317	150	65	45	16
VFL-7260	417	200	100	70	36
VFL-7270	517	250	133	95	56

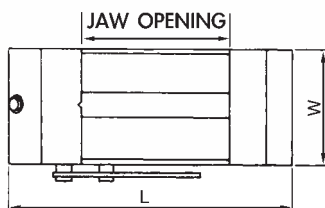
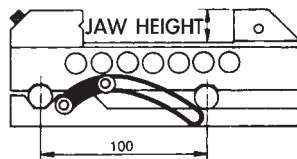
ORDER NO.	Six workpiece	Seven workpieces	Eight workpieces	Nine workpieces	Ten workpieces	Eleven workpieces
VFL-5030	--	--	--	--	--	--
VFL-5040	17	--	--	--	--	--
VFL-5050	34	19	15	--	--	--
VFL-5060	50	33	28	17	14	--
VFL-7240	--	--	--	--	--	--
VFL-7250	--	--	--	--	--	--
VFL-7260	27	--	--	--	--	--
VFL-7270	44	23	18	--	--	--



Sine Vise



VERTEX



- Compound angles easily and quickly set.
- Adjustments up to 46 degrees.

Accuracy

Material Hardened:SKS HRC60°Sub-zero processing.

Parallelism:Within 0.003/100mm

Squareness:Within 0.005/100mm

Model:V.VC.L CSV

Angle tol:Within 15sec Within 20sec

*Since conversion table attached

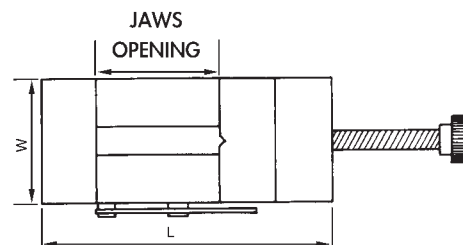
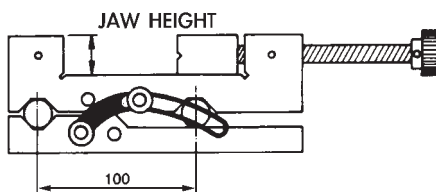
SPECIFICATION

Unit:mm

ORDER NO.	MATERIAL	LENGTH	WIDTH	JAW OPENING	JAW HEIGHT	ANGLE	HARDEN	N.W (KGS)	CODE. NO.
SVB-20	SK2	155	48	65	30	0°-46°	HRC56°-58°	4.4	2003-030
SVB-25	SK2	175	63	90	35	0°-46°	HRC56°-58°	6	2003-031
SVB-30	SK2	180	73	90	35	0°-46°	HRC56°-58°	6.9	2003-032



Sine Vise



SPECIFICATION

Unit:mm

ORDER NO.	MATERIAL	LENGTH	WIDTH	JAW OPENING	JAW HEIGHT	ANGLE	HARDEN	N.W (KGS)	CODE. NO.
SVD-200	SK2	155	48	58	25	0°-46°	HRC56°-58°	4.6	2003-040
SVD-250	SK2	176	63	68	30	0°-46°	HRC56°-58°	6.4	2003-041
SVD-300	SK2	180	73	73	30	0°-46°	HRC56°-58°	8.4	2003-042



Precision Universal Angle Vise

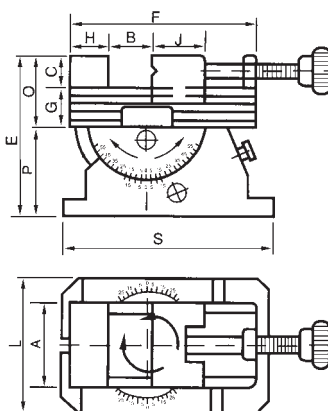


VUA-3

NEW



VUA-4



- Precision graduation for accurate reading.
- Horizontal swivel through 360°
- The unit tilts 45°vertically.
- Its swivelling and tilting features make this unit well suited for straight or inclined surface, angular drilling machining on various machine tools as precision grinding machine, boring and milling machine, electrical discharge machine etc.

ORDER NO.	A	B	C	E	F	G	H	J	L	O	P	S	N.W(KGS)	CODE.NO.
VUA-3	70	80	30	146	162	32	32	45	110	63	83	182	14.6	2003-050
VUA-4	88	108	35	166	200	32	36	56	110	67	99	182	15.5	2003-051



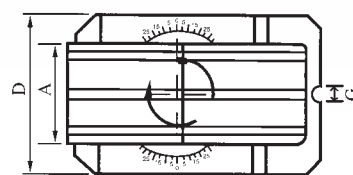
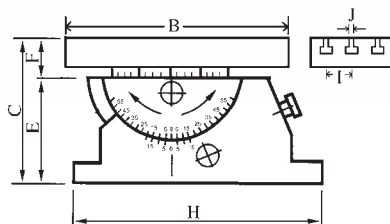
Precision Universal Angle Plate



VERTEX



- Precision grounded.
- Rigid design.
- The table can swivel 360°, and tilts 45°
- It can put tool maker vise vmv-type vdv-type or 3 jaw chuck for clamping
- The graduation for accurate reading



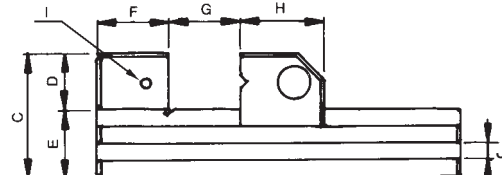
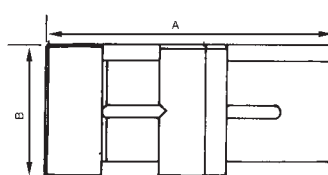
ORDER NO.	A	B	C	D	E	F	G	H	I	J	G.W (kgs)	CODE NO.
VUA-408	100	200	125	110	82	50	16	182	30	12	15	2003-055
VUA-510	126	250	125	110	82	50	16	182	40	12	18.1	2003-056



Tool Makers Vise



- Material:SKS2
- Hardness:HRC 58°-60°
- Squareness:Within 0.005m/m



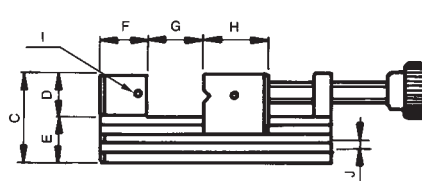
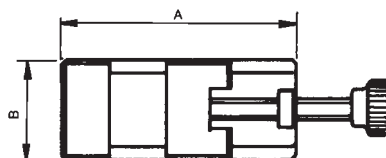
ORDER NO.	A	B	C	D	E	F	G	H	I	J	N.W (kgs)	CODE NO.
VC20	135	48	42	20	22	23	62	40	M6	5x7	1.3	2003-070
VC25	160	70	62	30	32	33	80	45	M6	8x7	3.6	2003-071
VC30	175	73	65	32	33	35	95	45	M6	8X7	4	2003-072



Tool Makers Vise



- Material:SKS2
- Hardness:HRC 58°-60°
- Squareness:Within 0.005m/m



ORDER NO.	A	B	C	D	E	F	G	H	I	J	N.W (kgs)	CODE NO.
V-VE20	90	60	50	25	25	25	30	30	M5	6x6	2	2003-080
V-VE25	160	70	62	30	32	33	80	45	M6	8x7	4.7	2003-081
V-VE30	175	73	65	32	33	35	95	45	M6	8X7	5.4	2003-082

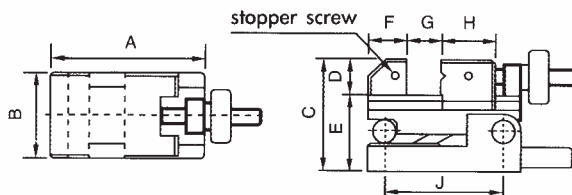


Precision Sine Vise

ORDER NO.SVC-100 CODE NO.2003-090



HARDENESS HRC 60°, SKS3
PARALLELISM 0.003/100mm
SQUARENESS 0.005/100mm



THE CLAMP HANDLE IS PLACED UNDER WORK PIECE.

Unit:mm

A	130
B	70
C	93
D	30
E	63
F	33
G	45
H	45
I	M5
J	100
Max.angle	46°
Weight(kgs)	5.5

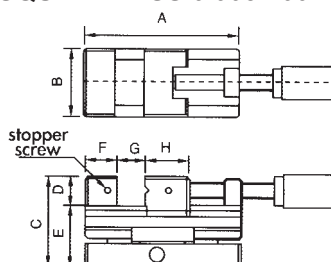


Precision Sine Vise

ORDER NO.SVL-50 CODE NO.2003-100



HARDENESS HRC 60°, SKS3
PARALLELISM 0.003/100mm
SQUARENESS 0.005/100mm



HORIZONTAL WAY

Unit:mm

A	160
B	73
C	93
D	30
E	63
F	33
G	80
H	45
I	M5
Max.angle	46°
Weight(kgs)	6.6

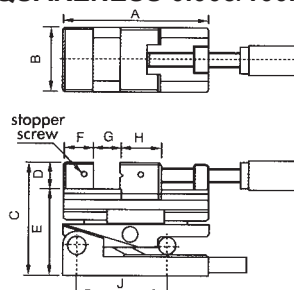


Two Way Vise

ORDER NO.SVS-100 CODE NO.2003-110



HARDENESS HRC 60°, SKS3
PARALLELISM 0.003/100mm
SQUARENESS 0.005/100mm



2 WAYS

Unit:mm

A	160
B	73
C	124
D	30
E	94
F	33
G	80
H	45
I	M5
J	100
Max.angle	46°
Weight(kgs)	8.3

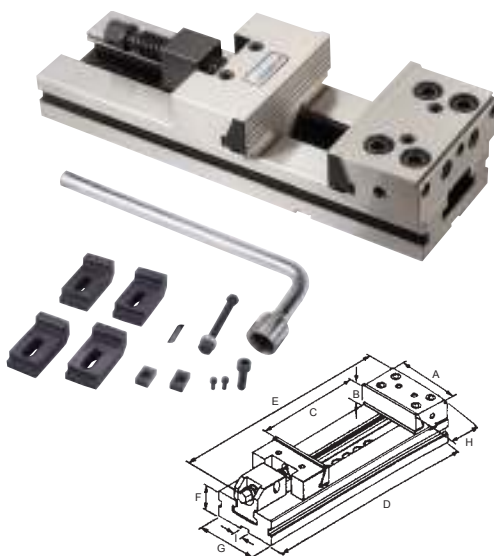


Modular Precision Machine Vise

FEATURES

- High Accuracy
- Unlimited Clamping Range
- High Quality Alloy Steel
- High Clamping Pressure
- EACH ONE IS SAME AS HEIGHT.

- CAN BE USED IN MULTIPLE STYLE
- No'Length of Height Limitation
- NO jaw Life
- Low Profile
- All Vises are Matched
- Swivel base be optional



ORDER NO.	VMP-4	VMP-5	VMP-6	VMP-6B	VMP-6C	VMP-7A	VMP-7B	VMP-7C	VMP-8A	VMP-8B	VMP-8C	VMP-8D	VMP-12C	VMP-12E
A	100	125	150	150	150	175	175	175	200	200	200	200	300	300
B	30	40	50	50	50	60	60	60	65	65	65	65	80	80
C	100	150	200	300	400	200	300	400	200	300	400	500	400	600
D	270	345	420	520	620	455	555	655	573	595	695	795	735	935
E	325	146	530	600	700	620	620	620	718	718	718	880	830	1030
F	35	40	50	50	50	58	58	58	70	70	70	70	78	78
G	75	96	125	125	125	145	145	145	170	170	170	170	195	195
H	78	78	90	89.4	89.4	97	97	97	114	114	114	113.4	120.4	120.4
I	16	16	16	16	16	16	16	16	16	16	16	16	16	16
KGS	7	18	29	29	33	38	43	48	65	69	74	79	115	135
CODE NO	1002-190	1002-191	1002-192	1002-201	1002-202	1002-193	1002-194	1002-195	1002-196	1002-197	1002-198	1002-203	1002-204	1002-205