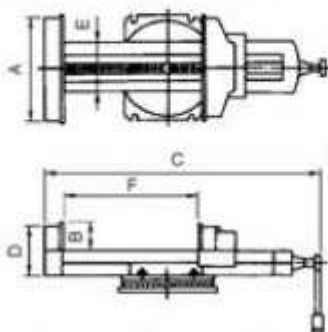
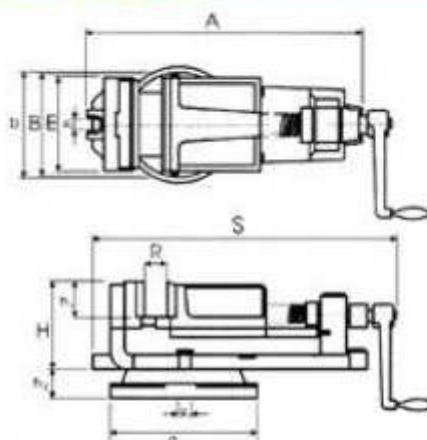


35034**MACHINE VISE FOR SHAPER USE**

- The vise can clamp wide range , suitable for traditional shaper machine use
- The main body reduce the height, it can add extra-work range of work-piece
- The base have degree graduation can revolve adjust angle

Unit:mm

Order No.	Model	A	B	C	D	E	F	N. W.
35034-12	SKV-12	300	70	650	170	200	300	75 kg
35034-16	SKV-16	400	85	750	183	250	400	130 kg
35034-20	SKV-20	500	95	850	204	300	500	180 kg

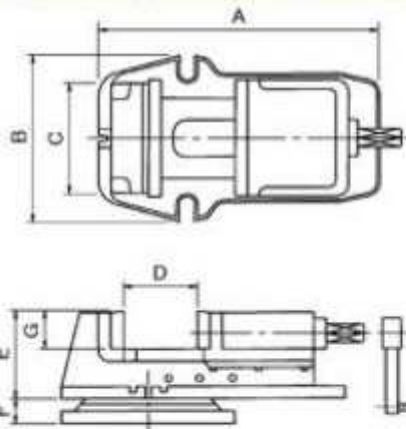
35035**K-TYPE MACHINE VISE**

Unit:mm

FEATURES:

- The base swivels 360° permitting for locking at any position.
- Smooth jaw plates on movable and stationary jaws.
- Vise body is manufactured from ductile cast iron.

Order No.	Model	E	A	B	H	R	S	a	b	h1	h2	g1	g2	N. W.
35035-10	MCL-LK100	100	267	106	75	65	295	160	114	30	30	30	30	20 kg
35035-13	MCL-LK130	125	340	130	99	80	400	210	155	38	38	38	38	30 kg
35035-15	MCL-LK150	150	421	160	105	114	462	245	175	40	40	40	40	45 kg
35035-20	MCL-LK200	200	576	215	144	150	620	340	230	58	58	58	58	100 kg

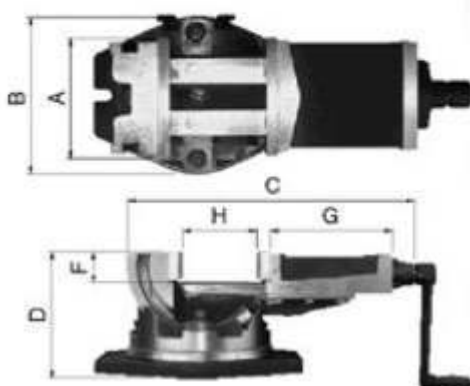
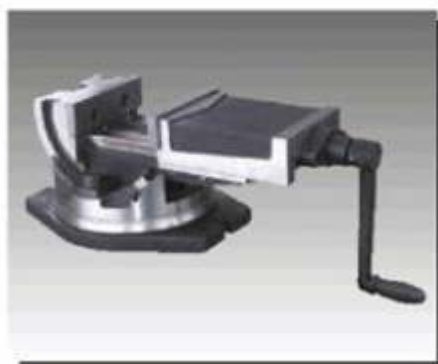
35036**SUPER OPEN MILLING MACHINES VISE**

Unit:mm

FEATURES:

Except the Hydraulic System, it's almost the same features with HH-TYPE HYDRAULIC MACHINE VISE.

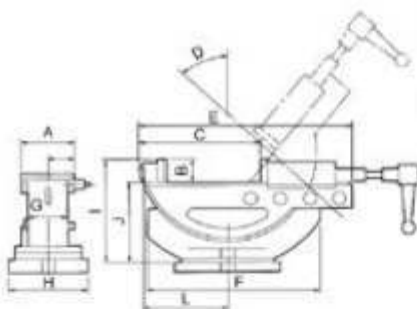
Order No.	Model	A	B	C	D	E	F	G	N. W.
35036-40	H-400	384	165	110	200	96	27	38	19 kg
35036-60	H-600	550	230	165	275	145	42	60	45 kg
35036-80	H-800	550	230	200	350	145	42	60	75 kg

35037**TWO WAY ANGLELOCK MACHINE VISE**

- The slippery seat more longer general angle-lock machine vise , clamping distance more bigger
- Angle-lock designed , as clip work-piece , clamping lock tight down naturally
- The base have degree graduation can revolve 360°

Unit:mm

Order No.	Model	A	B	C	D	F	G	H	N. W.
35037-05	CC-5	125	160	380	135	40	115	80	25 kg
35037-06	CC-6	160	240	345~470	195	50	195	0~130	30 kg

35038**2-WAY SUPER OPEN VISE****FEATURES:**

- High quality casting with ground finish.
- Easy and light operating, 4 holes can be firmly clam ped quickly.
- Type HHY-150 jaw's opening 310mm, 2 times larger than the normal milling vises.
- Except the Hydraulic system, it's almost the same with HW-Type HYDRAULIC MACHINE VISE.

Our most popular angle milling vise.

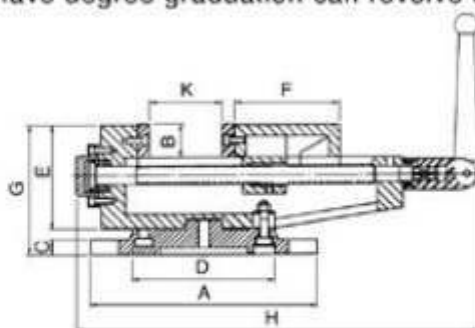
- Tilts up and down.
- Base swivels.

Unit:mm

Order No.	Model	A	B	C	D	E	F	G	H	I	J	K	L	N. W.
35038-60	HHY-150	156	58	310	50°	490	360	80	360	220	160	70	175	58 kg

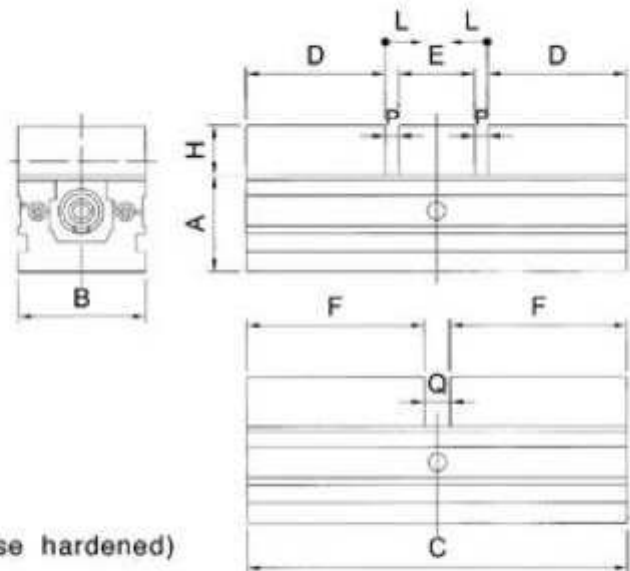
35039**LONG JAW ANGLELOCK MACHINE VISE**

- It can move both sides, also around adjust angle
- The slipper track adjust angle designed , can adjust 0 ~ 50°
- Angle-lock designed , as clip work-piece , clamping lock tight down naturally
- The base have degree graduation can revolve 360°



Unit:mm

Order No.	Model	A	B	C	D	E	F	G	H	W	K	N. W.
35039-08	XL-8	330	60	40	220	148	205	188	646	270	266	72 kg

35040**HIGH STRENGTH ALUMINUM LINE UP VISE****MATERIAL:**

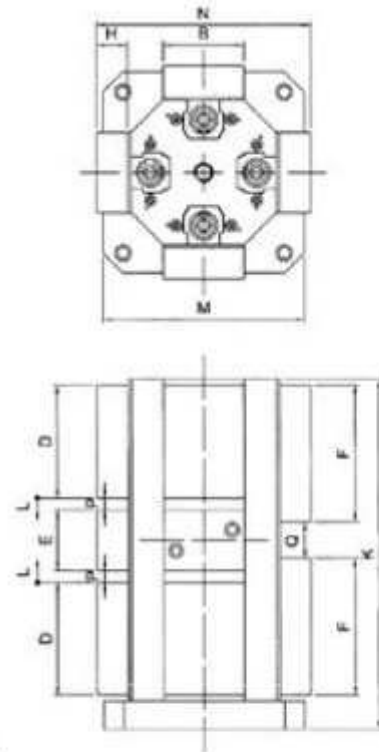
High strength aluminum A7075(Hardness: surface case hardened)

APPLICATION:

Good for aluminum or irregular shape of work pieces.

Unit:mm

Order No.	Model	A	B	C	D	E	F	H	L	P	Q	N. W. (kg)
35040-13	ALV-1030	76	100	300	110	60	140	39	10	0-10	0-20	11.8
35040-14	ALV-1040	76	100	400	140	75	170	39	18	0-15	15-45	12.5
35040-15	ALV-1550	95	150	500	185	80	207.5	49	22.5	0-22.5	35-80	30

**MATERIAL:**

High strength aluminum A7075(Hardness: surface case hardened)

APPLICATION:

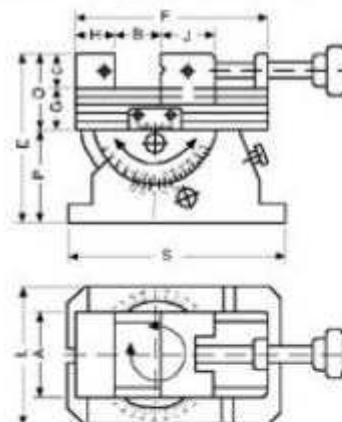
Good for aluminum or irregular shape of work pieces.

Unit:mm

Order No.	Model	B	D	E	F	H	K	L	M	N	P	Q	N. W. (kg)
35040-44	ALV-1040-4	100	140	75	170	39	435	18	250	258	0-15	15-45	105
35040-54	ALV-1550-4	150	185	80	207.5	49	535	22.5	300	338	0-22.5	35-80	205

35042**PRECISION UNIVERSAL VISE**

- 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.

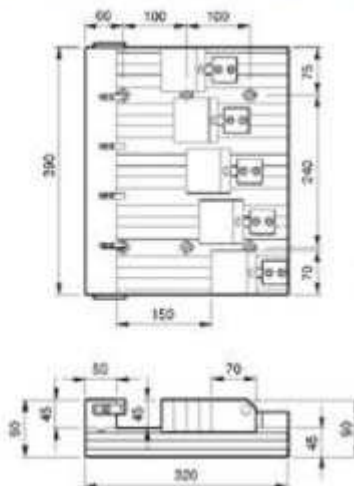


Unit:mm

Order No.	Model	A	B	C	E	F	G	H	J	L	O	P	S	N.W.
35042-80	MCL-AP80	70	80	30	137	160	32	33	45	110	62	75	180	12kg
35042-90	MCL-AP120	120	150	40	217	282	50	55	70	180	90	120	270	53kg

35043**PRECISION COMPACT PARALLEL VISE**

• MCL-HM38 FIVE MULTIPLE



- Precision compact parallel vise, suit for NC milling machine, and can clip several different sizes and work-pieces to extra work at the same time
- The body steel matured unity, copper is strong and precision is higher
The wear proof is more the general vise manufactured by cast iron
- The moving clamp can free fast to move and adjust the clipping location
- Precision manufactured, promise the quality and precision

• MCL-HM60 FOUR MULTIPLE

**QUALITY WARRENTY:**

Material : S50C

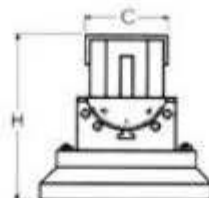
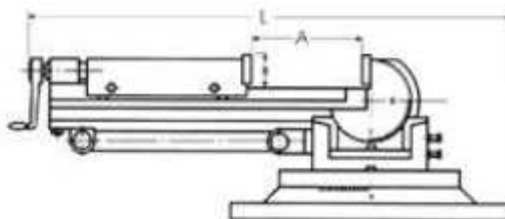
Hardness : HRC54° ~ 57°

Parallelism within 0.005/100mm

Squareness within 0.01/100mm

35045**UNIVERSAL 3 - WAY ANGLE VISE**

- Angles can be set in three dimensions.
- The 360° turnable base is graduated in degrees.
- The vise can be elevated through 90° from the horizontal to the vertical position, and it can also be tilted on its lower angle setting base up to 45° in both the left and right directions.
- The vise can be securely locked in all of its three settings.



Unit:mm

Order No.	Model	A	B	C	H	L	Vertical Height	N.W.
35045-03	MCL-VW3	90	30	80	150	396	386	17kg
35045-04	MCL-VW4	105	38	106	172	540	470	33kg
35045-05	MCL-VW5	140	40	132	205	625	590	45kg

35046**DOUBLE CNC PRECISION VISE****Explanation:**

1. Increases the workholding capacity of CNC Machining Centers by holding 2 pieces on each vise.
2. The design is also compact allowing several vices to be fitted to the worktable.



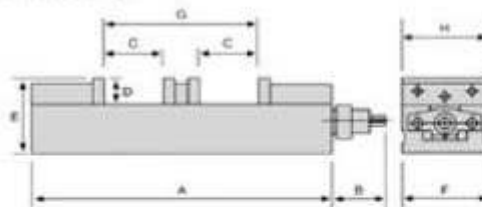
In case of different sizes for two work-pieces, the clamping operation can still be performed when the length difference is less than 70mm. They can be clamped easily by means of adjustment.



Once the center stationary jaw is removed, this vise becomes a "CENTER CLAMPING ANGLE LOCK VISE".



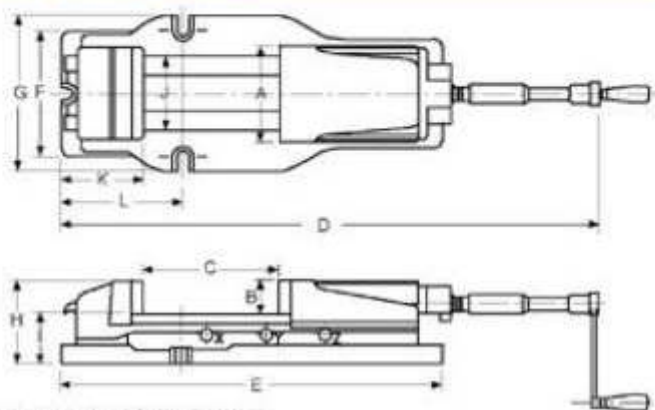
This vise can be changed into a "SUPER OPEN VISE" by removing the Center Stationary Jaw and then fixing the Rear Movable Jaws.



SPECIAL ACCESSORY soft jaw 4pcs/perset

Unit:mm

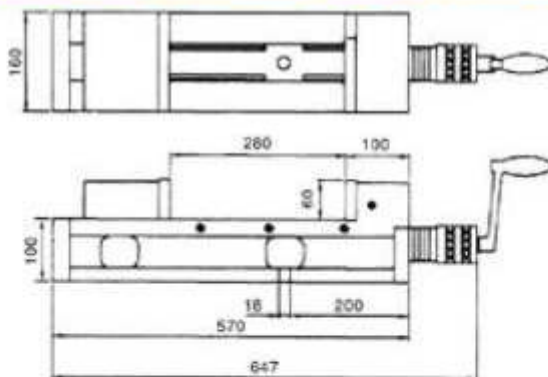
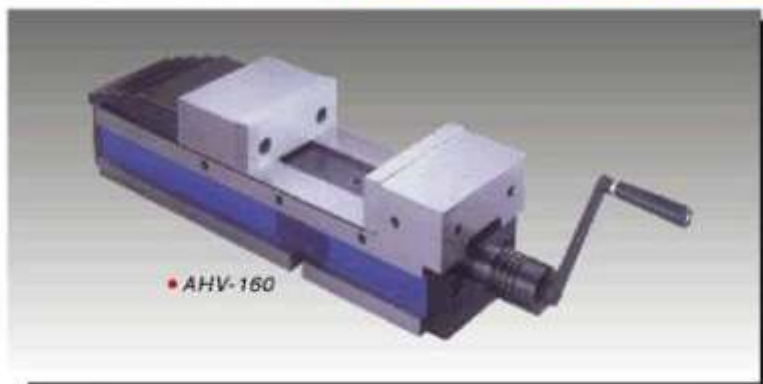
Order No.	Model	A	B	C	D	E	F	G	H	I	N.W.
35046-40	MDL-4"	395	86	76	32	92	102	200	100	63	20 kg
35046-60	MDL-6"	520	102	100	44	124	153	268	150	80	46 kg

35050**HYDRAULIC MACHINE VISE**

- Hydraulic inside, pressure designed , just light knock handle by wink power
It auto change to pressure enter
- The body and fixed clamping are unity , manufactured by FC30 iron cast,
rigidity is strong not easy to change shape
- Slipping side of vise heat treatment up HRC 45° up, and grind precision

Unit:mm

Order No.	Model	A	B	C	D	E	F	G	H	I	J	K	L	X	Y	Z	Pressure	N.W.
35050-04	HV400	105	36	0-170	525	440	135	170	95	58	80	95	147	0-57	55-114	112-170	2500kg	21kg
35050-05	HV500	130	48	0-220	670	550	175	207	120	70.5	97	107	195	0-73	72-146	145-220	3000kg	38kg
35050-06	HV600	150	53	0-300	800	620	182	225	135	82.5	116	117	210	0-100	98-200	198-300	4500kg	53kg
35050-08	HV800	200	62	0-300	900	680	260	280	162	100	160	150	260	0-100	99-200	198-300	8000kg	95kg

35051**PRECISION HYDRAULIC & ANGLE LOCK VISE**

- Movable jaw located at outer end and "align surface" for workpiece is in front of operator.
It is convenient for loading or unloading workpiece on such design of hydraulic vise.
- The overall length of this vise is shorter than other similar vises, but keep the same jaw opening.
Save space on work table.

FEATURES:

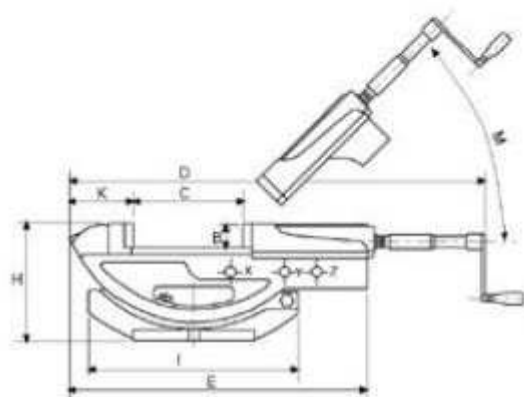
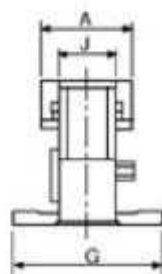
- 1.Angle-lock type Hydraulic vise model:AHV-160 is mostly suitable for heavy duty cutting on Vertical Machining center.
- 2.Semi-spherical segment eliminates jaw lifting and workpiece tilting.
- 3.Rigid material ductile iron FCD60 with 60kgs/mm ensures high tensile strength, low weariness and not deformation.
- 4.Vise bed flame hardened to HRC45 up is capable to obtain low weariness and last the high accuracy for long.
- 5.Four (4) different jaws set up can be obtained.
- 6.Chip covers is applied on this vise to prevent from chips falling to Leadscrew and inside of vise.

SPECIFICATION:

- Jaw width.....160mm
- Jaw opening.....280mm
- Depth of Jaws.....60mm
- Overall length.....647mm
- Net weight (approx).....60kg

35055**TILTING HYDRAULIC MACHINE VISE**

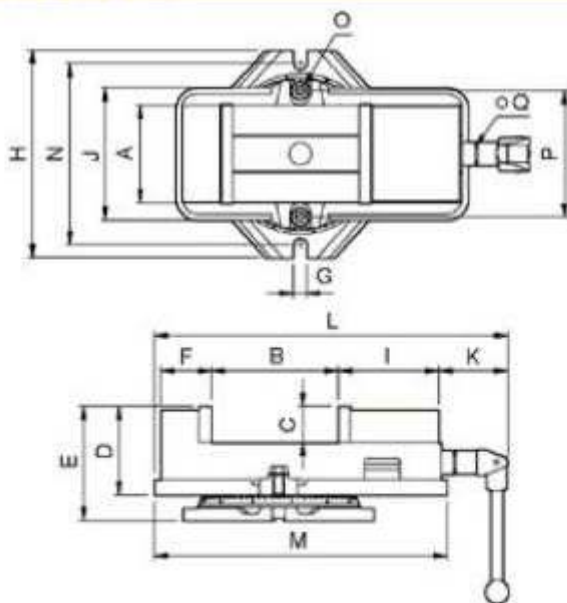
• MCL-HB400, 600



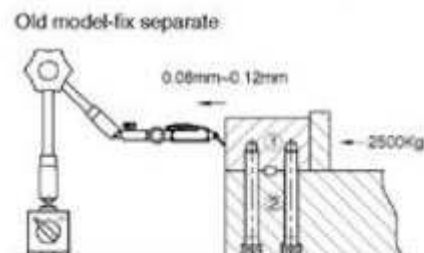
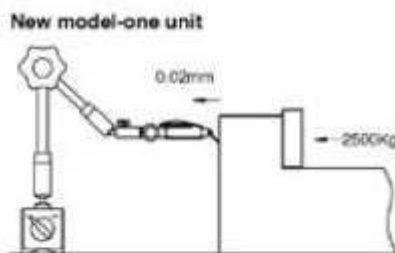
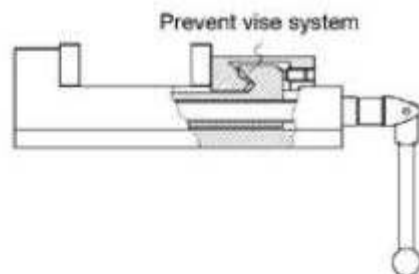
Different from other conventional milling vises, the angle vise makes angular settings in directions possible. The vertical angle can be setting from 0-45° of your requirement. Precise angular settings in plane can be read from the mounted scale.

Unit: mm

Order No.	Model	A	B	C	D	E	G	H	I	J	K	M	Pressure	N.W.
35055-04	HB400	105	36	0-170	505	404	165	191	340	106	92	0°~45°	2500kg	33kg
35055-06	HB600	150	53	0-300	790	580	225	250	435	165	123	0°~45°	4500kg	81kg

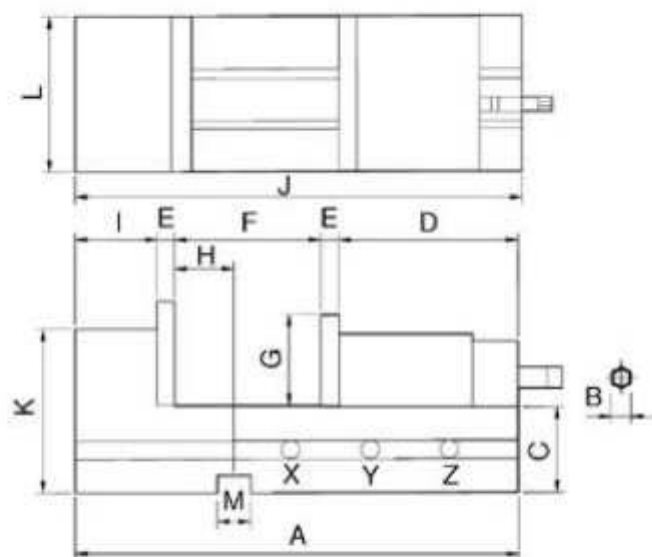
35056**MULTI LOCK-WELL VISE****UP-DATE PRODUCT**

High accuracy, material FCD-50, The main body is one unit.
Reducing the chance of transfiguration.
Accuracy is under 0.02mm.



Unit: mm

Order No.	Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
35056-40	MCL-AV40	105	100	35	98	125	50	14	220	120	150	95	390	325	240	M12	145	14
35056-50	MCL-AV50	140	110	35	100	135	52	14	280	145	180	95	420	360	300	M12	174	14
35056-60	MCL-AV60	160	140	45	118	155	62	18	300	160	205	105	500	410	325	M16	200	20
35056-66	MCL-AV66	160	200	55	140	178	70	18	300	160	205	110	550	445	325	M16	200	20
35056-80	MCL-AV80	205	210	75	158	202	80	20	400	185	270	110	620	550	420	M18	254	20



FEATURES:

- Holding work-piece firmly in single and multiple vises setup.
- Semi-spherical segment eliminates jaw lifting and work-piece tilting.
- One piece casting of vise bed and fixed jaw.
- Rigid material-ductile iron FCD60 with tensile strength.
- Vise bed flame hardened to HRC45 and up takes up wear and maintain accuracy for long.
- Chip covers adopt on each vise for preventing chips falling into lead-screw and inside of vise.

Unit:mm

Order No.	Model	A	B	C	D	E	X	Y	Z	F	G	H	I	J	K	L	M	FORCE OF CLAMPING	N.W.
35059-10	THAC-100	385	14	58	179	12.5	0-85	85-170	-	170	42	45	64.5	440	98	105	18	2500 kg	22 kg
35059-15	THAC-150	505	19	85	250	15.5	0-90	90-180	180-270	270	57	65	84.5	698	140	152	18	5000 kg	50 kg
35059-20	THAC-200	576	19	102	252	18.5	0-98	97-198	197-300	300	62	82	89.5	760	162	200	18	7000 kg	80 kg

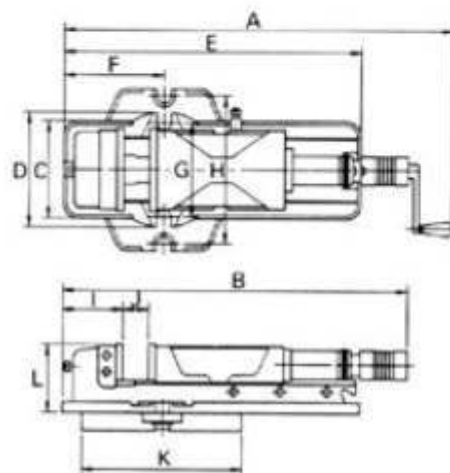
Precision sheet:

Unit:mm

NO	Fig.	Item for check	JIS 1th degree	Allowance
1		Both jaw plate parallel.	0.020 / 100mm	0.020 / 100mm
2		Keyways on bottom of vise bed square to clamping surface of jaw plate.	0.020 / 100mm	0.020 / 100mm
3		Vise side-lok on bottom to slide way square.	0.020 / 100mm	0.010 / 100mm
4		Surface of vise bed parallel to bottom of vise body.	0.020 / 100mm	0.015 / 100mm
5		Top of rectangular test block clamped tightly by jaw parallel to bottom of vise body.	0.030 / 100mm	0.020 / 100mm

35060**HYDRAULIC MACHINE VISE**

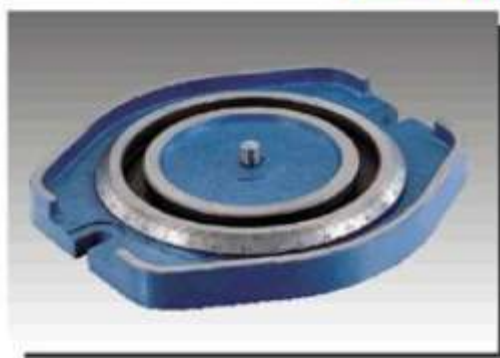
● MCL-HC500,600,800,1000

**FEATURES :**

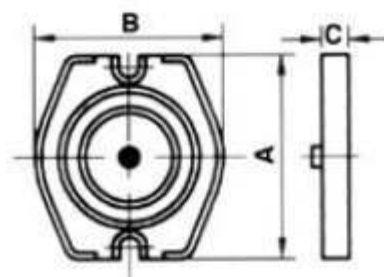
- Mechanical / hydraulic spindle without origin alclutch mechanism.
- Down thrust "Semi-sphere Segment" mechanism-eliminates jaw lift and work fitt.
- All surface ground.
- Rigid material-vise body of ductile iron FCD 60JIS (equal to GGG60) with 60kgs / mm or 80,000 psl tensile strength.
- Vise bed flame 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 hedight of vise bed and in alignment of the clamping surface of the vise jaw at extra cost.

Unit:mm

Order No.	Model	A	B	C	D	E	F	G	H	I	J	K	L	Max Clamp- ing Force	N.W.
35060-05	MCL-HC500	695 920	570 795	130	190	505	180	160	250	105	0-225	260	127	3500kg	37kg
35060-06	MCL-HC600	750 1060	625 935	160	240	625	208	196	300	125	0-310	320	140	4000kg	57kg
35060-08	MCL-HC800	830 1140	725 1035	200	280	700	265	240	360	150	0-310	360	163	6000kg	90kg
35060-10	MCL-HC1000	920 1260	815 1155	250	320	810	320	270	410	180	0-340	420	190	7000kg	140kg

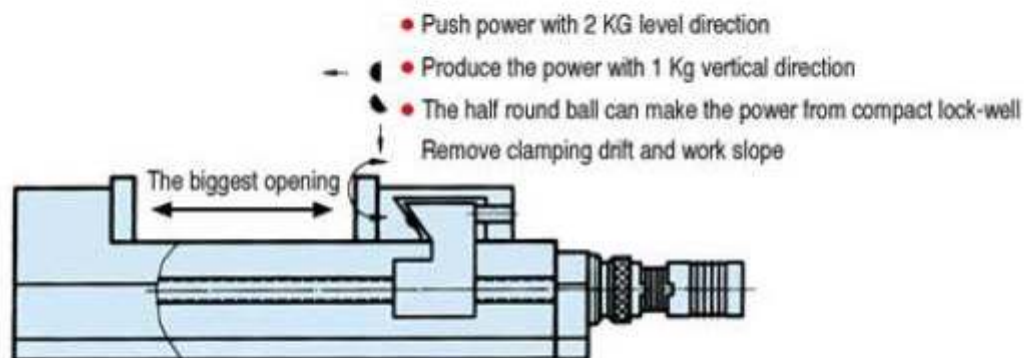
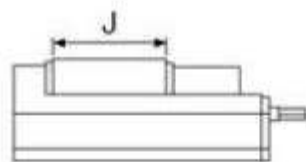
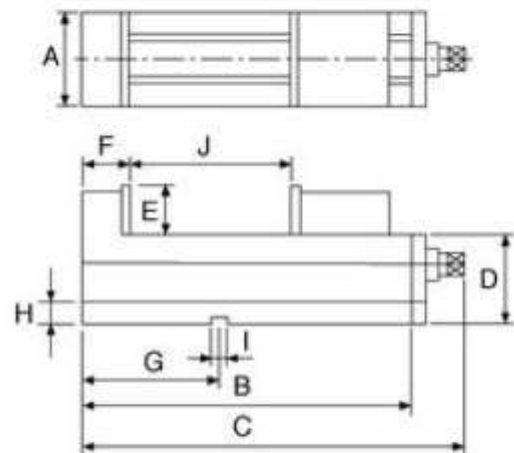
35061**SWIVEL BASE****FEATURES :**

- Swivel base for hydraulic machine vise used.
- Suitable for any hydraulic machine vise.
- 360 degree curves, the smallest curve is 1 degree.



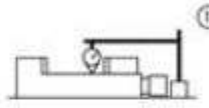
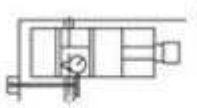
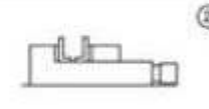
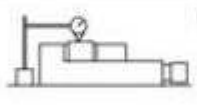
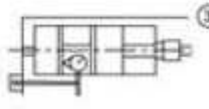
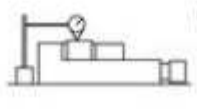
Unit:mm

Order No.	Model	A	B	C	Adaptable models	N.W.
35061-02	400S	259	235	40	HV400.HB400.HN400	6kg
35061-04	500S	292	292	40	HV500	8kg
35061-06	600S	328	328	40	HV600.HB600.HN600	10kg
35061-08	800S	370	370	41	HV800.HN800	15kg
35061-10	500SC	290	290	34	HC500	9kg
35061-12	600SC	340	340	39	HC600	15kg
35061-14	800SC	400	400	46	HC800	23kg
35061-16	1000SC	460	460	50	HC1000	32kg



• all most states of clipping work-piece

													Unit:mm
Order No.	Model	A	B	C	D	E	F	G	H	I	J	POWER (kgf)	N.W. (kg)
35062-04	MHV-100V	100	400	535	85	45	80	110	23	18	125	2500	32
35062-05	MHV-130V	130	450	585	95	50	85	135	23	18	180	3500	45
35062-06	MHV-160V	160	550	685	105	60	103	200	23	18	240	4400	63
35062-08	MHV-200V	200	600	735	110	65	108	220	23	18	280	5500	92

NO	ITEM (100mm)	JIS GRADE 1	GUAR-ANTEED		
1	Both jaw plate parallel.	0.015	0.010		
2	Keyways on bottom of vise bed square to clamping surface of jaw plate.	0.030	0.015		
3	Vise side-lock on bottom to slide way square.	0.015	0.015		
4	Surface of vise bed parallel to bottom of vise body.	0.015	0.015		
5	Top of rectangular test block clamped tightly by jaw parallel to bottom of vise body.	0.020	0.015		
6	Max. poening test block parallel to bottom of vise body.	0.030	0.015		

MODEL: ● 35064-04 MHV-100V-D

● 35064-05 MHV-130V-D

● 35064-06 MHV-160V-D

● 35064-08 MHV-200V-D

STANDARD ACCESSORIES

- 1.Handle ×1 pc
- 2.Guide key × 2 pcs
- M6×10L × 2 pcs
- 3.Chip cover ×1 st
- 4.Vise locked block ×4 pcs

OPTIONAL ACCESSORIES

- 1.Special application jaw plates.
- 2.Work-piece stopper.
- 3.Swivel Base.

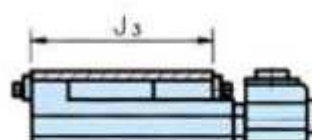
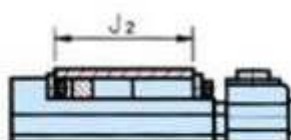
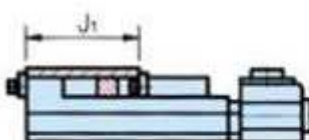
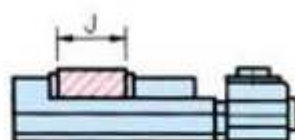
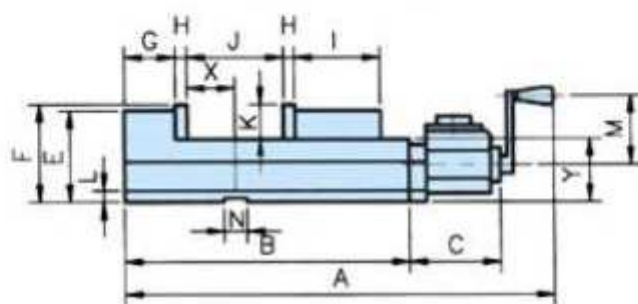
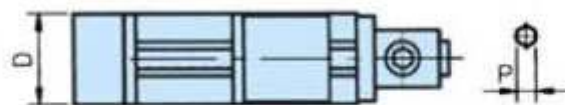
**FEATURES:**

1. Holding Work-piece firmly in single and multiple vises setup.
2. Semi-spherical segment eliminates jaw lifting and work-piece tilting.
3. One piece casting of vise bed and fixed jaw.
4. Rigid material-Ductile iron FCD60JIS(equal to GGG60)with 60kgs/mm or 80,000 psi tensile strength.
5. Vise bed flame hardened to HRC 45 and up takes up wear and maintain accuracy for long.
6. Chip covers adopt on each Vise for preventing chips falling into Leadscrew and inside of vise.
7. With 90° driving mechanism unit, Avoid handle interrupted of table.

■ Vise side-lock square within 0.010/100mm

■ MHV-100V,130V,160V,200V-D

$$X = \begin{matrix} 0 \\ -0.020 \end{matrix} \quad Y = \begin{matrix} 0 \\ -0.020 \end{matrix}$$

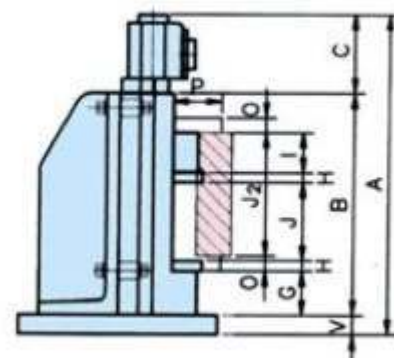
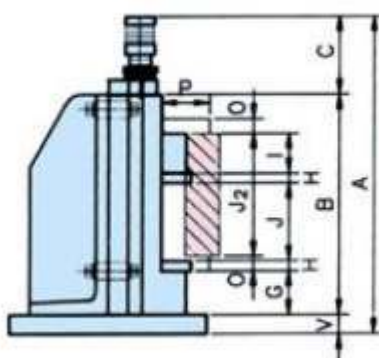
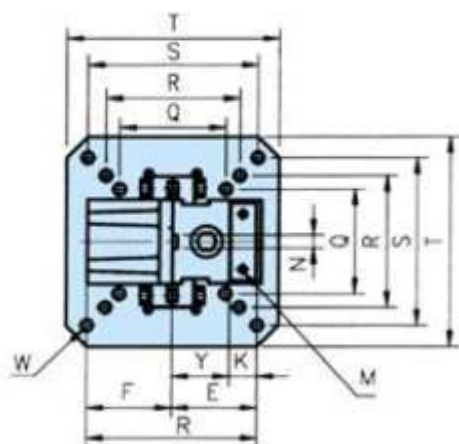


Order No.	Model	A	B	C	D	E	F	G	H	I	J	J1	J2
35064-04	MHV-100V-D	620	340	172	101	130	133	65	15	105	0-125	125-190	125-230
35064-05	MHV-130V-D	685	405	172	131	147	150	70	15	115	0-180	180-240	180-290
35064-06	MHV-160V-D	775	495	172	161	160	163	85	15	130	0-240	240-320	240-360
35064-08	MHV-200V-D	850	570	172	201	170	173	90	18	150	0-280	280-360	280-420



MODEL: ● 35066-04 MHV-100V1
 ● 35066-05 MHV-130V1
 ● 35066-06 MHV-160V1
 ● 35066-08 MHV-200V1
 (Hydraulic/Mechanical type)

MODEL: ● 35066-40 MHV-100V1-D
 ● 35066-50 MHV-130V1-D
 ● 35066-60 MHV-160V1-D
 ● 35066-80 MHV-200V1-D
 (Hydraulic/with 90° driving mechanism unit)

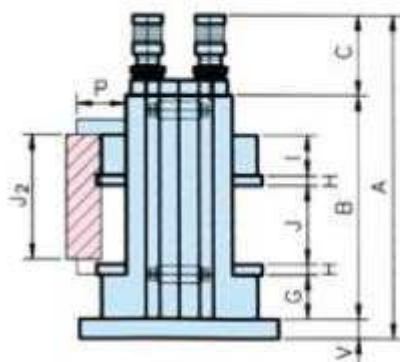
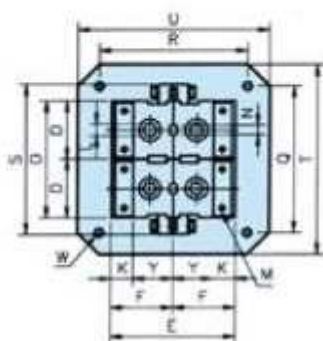


Order No.	Model	A	B	C	D	E	F	G	H	I	J	J2	K	L
35066-04	MHV-100V1	552	340	172	101	133	133	65	15	105	0-125	125-230	48	14
35066-05	MHV-130V1	617	405	172	131	150	150	70	15	115	0-180	180-290	55	14
35066-06	MHV-160V1	707	495	172	161	163	163	85	15	130	0-240	240-360	58	14
35066-08	MHV-200V1	787	570	172	201	173	173	90	18	150	0-280	280-420	63	14
35066-40	MHV-100V1-D	552	340	172	101	133	133	65	15	105	0-125	125-230	48	14
35066-50	MHV-130V1-D	617	405	172	131	150	150	70	15	115	0-180	180-290	55	14
35066-60	MHV-160V1-D	707	495	172	161	163	163	85	15	130	0-240	240-360	58	14
35066-80	MHV-200V1-D	787	570	172	201	173	173	90	18	150	0-280	280-420	63	14

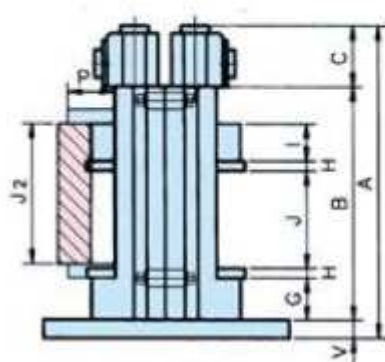


MODEL: ● 35068-04 MHV-100V4
 ● 35068-05 MHV-130V4
 ● 35068-06 MHV-160V4
 ● 35068-08 MHV-200V4
 (Hydraulic/Mechanical type)

MODEL: ● 35068-40 MHV-100V4-D
 ● 35068-50 MHV-130V4-D
 ● 35068-60 MHV-160V4-D
 ● 35068-80 MHV-200V4-D
 (Hydraulic/with 90° driving mechanism unit)



MHV



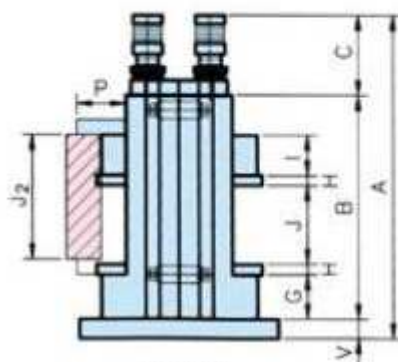
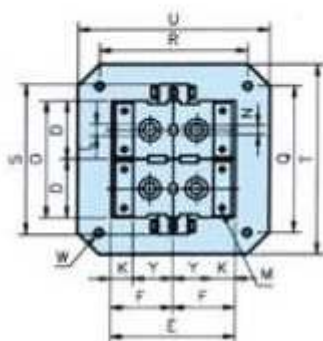
MHV-D

Order No.	Model	A	B	C	D	E	F	G	H	I	J	J2	K	L
35068-04	MHV-100V4	552	340	172	101	266	133	65	15	105	0-125	125-230	48	14
35068-05	MHV-130V4	617	405	172	131	300	150	70	15	115	0-180	180-290	55	14
35068-06	MHV-160V4	707	495	172	161	326	163	85	15	130	0-240	240-360	58	14
35068-08	MHV-200V4	787	570	172	201	346	173	90	18	150	0-280	280-420	63	14
35068-40	MHV-100V4-D	552	340	172	101	266	133	65	15	105	0-125	125-230	48	14
35068-50	MHV-130V4-D	617	405	172	131	300	150	70	15	115	0-180	180-290	55	14
35068-60	MHV-160V4-D	707	495	172	161	326	163	85	15	130	0-240	240-360	58	14
35068-80	MHV-200V4-D	787	570	172	201	346	173	90	18	150	0-280	280-420	63	14

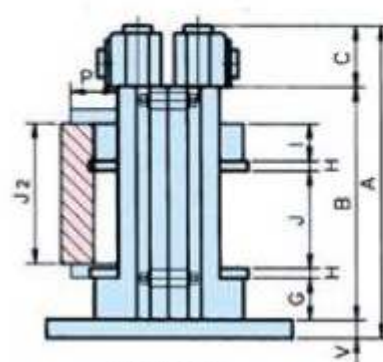


MODEL: ● 35068-04 MHV-100V4
 ● 35068-05 MHV-130V4
 ● 35068-06 MHV-160V4
 ● 35068-08 MHV-200V4
 (Hydraulic/Mechanical type)

MODEL: ● 35068-40 MHV-100V4-D
 ● 35068-50 MHV-130V4-D
 ● 35068-60 MHV-160V4-D
 ● 35068-80 MHV-200V4-D
 (Hydraulic/with 90° driving mechanism unit)



MHV



MHV-D

Order No.	Model	A	B	C	D	E	F	G	H	I	J	J2	K	L
35068-04	MHV-100V4	552	340	172	101	266	133	65	15	105	0-125	125-230	48	14
35068-05	MHV-130V4	617	405	172	131	300	150	70	15	115	0-180	180-290	55	14
35068-06	MHV-160V4	707	495	172	161	326	163	85	15	130	0-240	240-360	58	14
35068-08	MHV-200V4	787	570	172	201	346	173	90	18	150	0-280	280-420	63	14
35068-40	MHV-100V4-D	552	340	172	101	266	133	65	15	105	0-125	125-230	48	14
35068-50	MHV-130V4-D	617	405	172	131	300	150	70	15	115	0-180	180-290	55	14
35068-60	MHV-160V4-D	707	495	172	161	326	163	85	15	130	0-240	240-360	58	14
35068-80	MHV-200V4-D	787	570	172	201	346	173	90	18	150	0-280	280-420	63	14

35070**BIG-OPENING COMPACT HYDRAULIC VISE**

MODEL: ● 35070-06 MLV-160
 ● 35070-08 MLV-200
 ● 35070-10 MLV-250

STANDARD ACCESSORIES

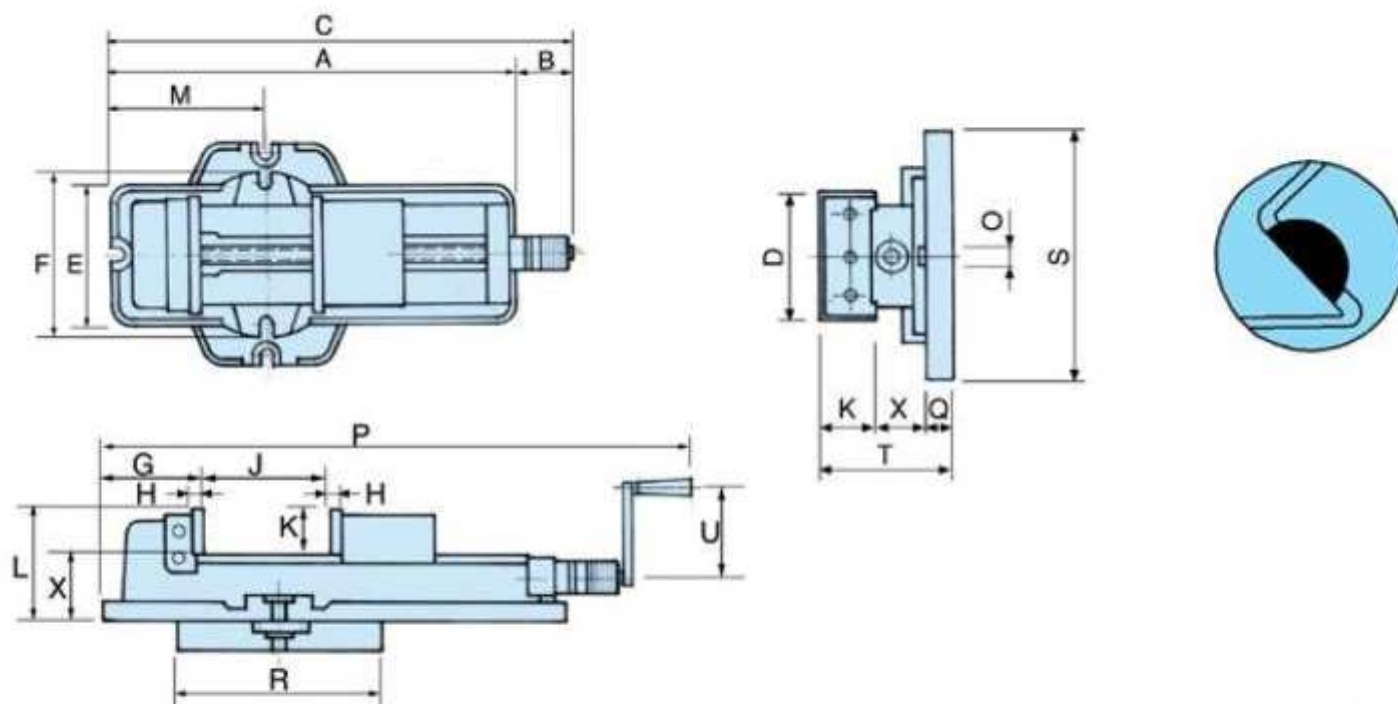
1.Handle×1 pc
 2.Guide key×2 pcs
 M6×10L×2 pcs

OPTIONAL ACCESSORIES

1.Special application jaw plates.
 2.Work-piece stopper.
 3.Swivel base.

FEATURES:

- 1.Mechanical/hydraulic apindle without original clutch mechanism.(MODLE:MLV)
- 2.Clmping power indicating graduations are engraved on the vice handle to show instantly the figure of clamping force in tons.
3. Patented mechanical power device ensures high clamping force in constant stable condition, this device is designed to be durable and for long term use.(MODLE:PMV)
- 4.Both surface precision ground.
- 5.Rigid material-vice body of ductile iron FD60JIS(equal to GGG60) with 60 kgs/mm² or 80,000 psi tensile strength.
- 6.Down thrust "semi-sphere segment" mechanism-eliminates jaw lift and work tilt.
- 7.Vise bed flame hardened to HRC 45 and up takes up wear and maintain accuracy for long.

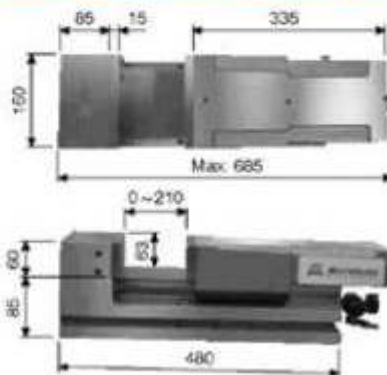


Unit:mm

Order No.	Model	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P
35070-06	MLV-160	625	150	775	160	205	240	125	15	0-335	58	140	208	14	16	895
35070-08	MLV-200	700	137	837	200	240	280	150	18	0-360	63	163	265	14	18	957
35070-10	MLV-250	810	133	943	260	290	320	180	21	0-380	80	190	320	14	18	1063

QUICK PNEUMATIC VISE

● MCL-SAR6

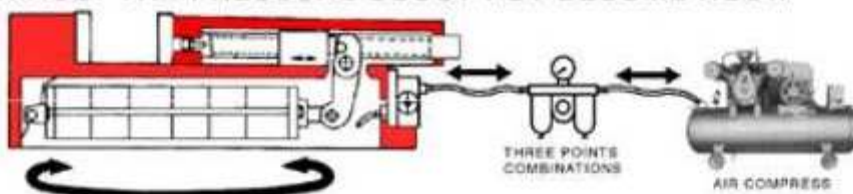


		Unit:mm
Order No.	Model	Weight (kg)
35075-06	MCL-SAR6	55

Weight
(kg)

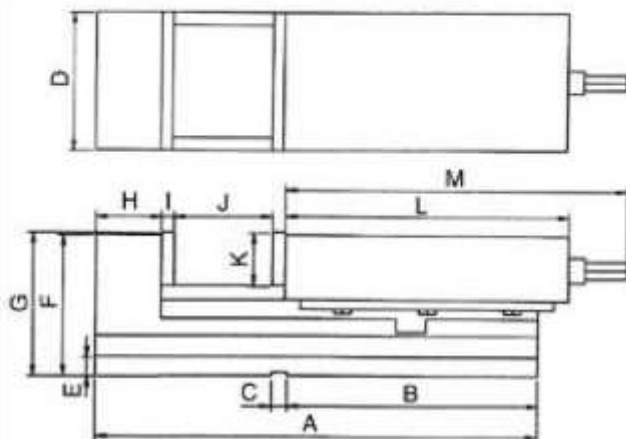
Chucking Power (1000kg)	Source of Air (kg/cm²)
0	1.5
1	2.0
2	2.8
3	4.0
4	5.8
5	8.5

- QUICK CLAMPING, AND SET THE CHECK VALVE, IF THE AIR TUBE BROKEN, THE AIR PRESSURE WON'T BE LOST, IT'S IN GOOD SAFETY.
- SPECIAL 5 MULTIPLE PRESSURE BOOST POT AND LEVER.
- THE OPENING OF VIDE IS QUICK, AND THE DISTANCE IS 5mm.
- IT TAKES ONLY 0.5 SECONDS TO CLAMP THE WORK PIECE.
- THE WORKING PLATE IS DESIGNED AS FLATEBED, THERE'S NO SLOT: THE IRON DUST WON'T FALL DOWN, IT'S CONVENIENT TO PUT THE WORK-PIECE.
- THE SIDE OF SLIDE IS UNDER HEAT TREATMENT HRC 50 DEGREE UP. MANUFACTURED WITH HIGH PRECISION GRINDING, FIRM AND DURABLE.
- THE MATERIAL IS FCD65KG / CM³ CAST IRON, WITH HIGH , AND WON'T BE OUT OF SHARP AND BROKEN.
- PLEASE INSTALL THE OIL IN THREE OIL FILLER POINT EVERY WEEK.
- THREE POINTS COMBINATIONS ON THE SOURCE OF AIR TO AGAINST THE PRESSURE BOOST POT BECOME RUST.



● ACV-260

The image displays two views of the ACV-260 hydraulic cylinder. The top view is a side profile showing the cylinder's length, the mounting bracket on the right end, and the hydraulic ports on the left. The bottom view is a front-facing perspective of the same unit, highlighting the mounting bracket and the port connections. Both views show the cylinder's white body and blue mounting components.



- It can extra work by every kinds, side stand, lie down , stand up , and can match up many side by side vise vice series connection or parallel connection to extra work
- New type pressure pneumatic vise clip 0~5000kgs, as air pressure suddenly Disappear, clipping still not loose, it is very safe
- In advance stay pneumatic switch route 0 ~ 4 mm, it is easy and convenient to extra work
- FCD-60 round graphite cast iron (60kgs/mm) super power structure designed Both resist compression and tensile are better
- Slide heat treatment HRC 45° up , hold precision and wear-resisting , it can use very long time Parallelism:0.01mm verticality:0.02mm
- note: please set three point compose before use this vise (adjust unit avoid damage)

* note: please set three point compose before use this vise (adjust unit avoid damage)

Order No.	Model	A	B	C	D	E	F	G	H	I	J	K	L	M	Weight (kg)
35075-18	ACV-260	520	295	18	180	22	165	170	77	15	260	65	390	435	70

Unit: mm



To adjust the force of clamping
by pressure adjustment.



Features:

1. It is made of "back and forth" motor, to push the oil lead by air pressure to achieve the feature automatically.
2. To be used for vertical, horizontal and lateral:
The model is in fix dimension, and the space of clamping kits is remained. Can be used to re-work directly.
3. High quality material:

The materials of the vise adopts the one-step design of high ductility graphitized casting iron (FCD-60), and the starting rail of the two sides experiences hardening heat treatment (HRC45°) that can assure good performance on precision, wear-resisting, and tension-resisting.

4. The max safe distance of clamping:

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

5. Humanity designed of switch:

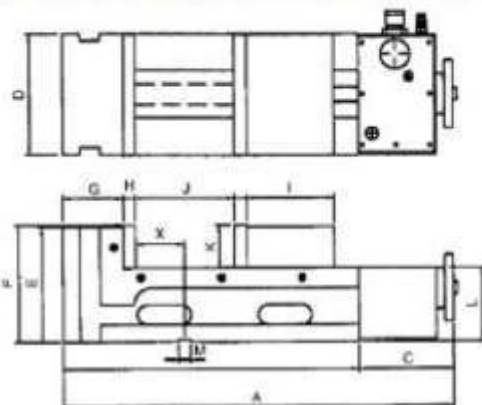
Without any handle, to turn the switch directly.

6. High clamping force:

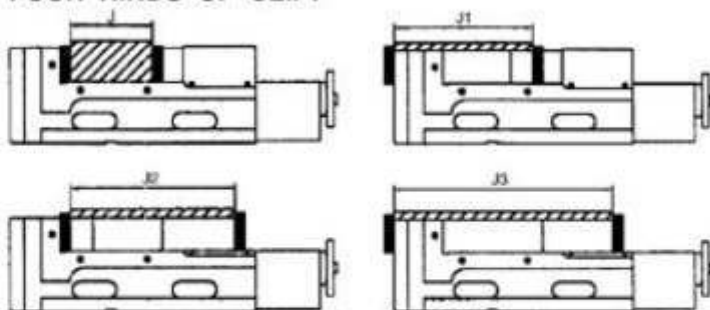
It can achieve the super strong clamping capacity of 9000kg/cm². If the source of air pressure is under low pressure exertion of 8kgf/cm². The clamping capacity from 0~9000kg/cm² can be freely set and adjust via pressure regulator.

7. Automatically seeking the highest source of air pressure:

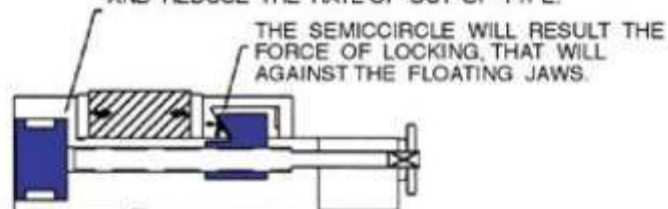
When the pressure regulator sets the required pressure, it will not be out of order because of the source of air pressure was low.



FOUR KINDS OF CLIP:



THE FRONT FORCE WILL BE RESULTED
FORCE TO IMPROVE THE PRECISION,
AND REDUCE THE RATE OF OUT OF TYPE.



THE SEMICIRCLE WILL RESULT THE
FORCE OF LOCKING, THAT WILL
AGAINST THE FLOATING JAWS.

Precision sheet:

NO	Fig.	ITEM OF INSPECTION (WITHIN 100MM)	TOLERANCE
1		SURFACE OF VISE BED PARALLEL TO BOTTOM OF VISE BODY	0.01mm
2		THE SQUARENESS OF JAWS TO SLIDE WAY	0.03mm
3		THE RIGHT ANGLE FOR JAWS TO BOTH LATERAL SIDES	0.02mm
4		KEYWAYS ON BOTTOM TO SLIDE WAY PARALLEL	0.02mm
5		KEYWAYS ON BOTTOM TO SLIDE WAY SQUARENESS	0.02mm
6		THE PARALLELISM FOR THE LOCKED WORKING PIECE TO BOTTOM	0.02mm
7		THE FLOAT FOR THE LOCKED WORKING PIECE TO BOTTOM	0.015mm
8		THE SQUARENESS FOR THE VISE TO BOTTOM	0.02mm

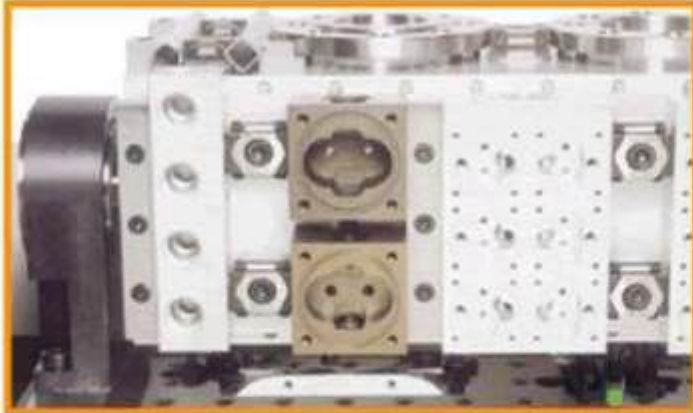
Unit:mm

Order No.	Model	A	B	C	D	E	F	G	H	I	J	J1	J2	J3	K	L	M	X	THE FORCE OF CLAMPING	N.W. (kg)
35077-13	TPV-150	520	380	140	130	157	160	85	15	110	0-150	110-250	130-255	210-360	55	105	18	45	6000	42
35077-18	TPV-180	580	440	140	180	170	173	90	18	130	0-180	120-290	150-310	250-420	63	110	18	72	9000	65

OK-VISE

To elaborate the max efficiency of machine max efficiency; suit for the clamping of all kinds of machine.

The example to use OK-VISE:



- The OK-Vise could lock the all directions stable while it clamped.

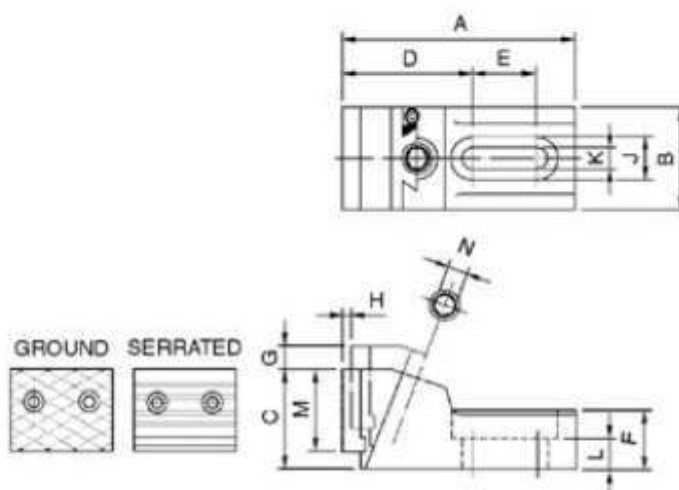
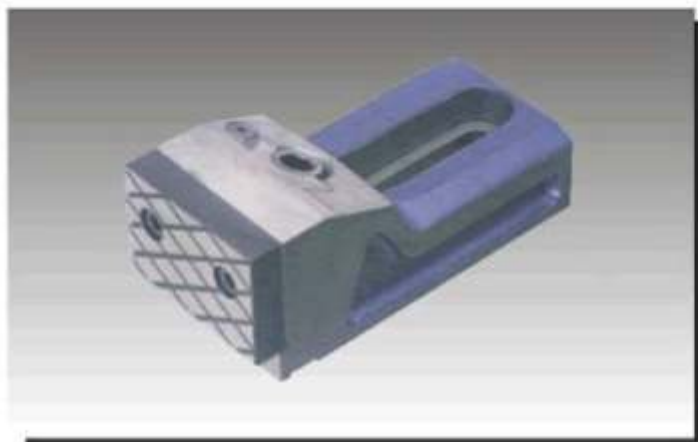


- Ok-vise Suited for all different working piece, and re-work by your self. To decrease the rate of changing treat tool in addition to lower the cost. To Develop the efficiency by keeping the precision.

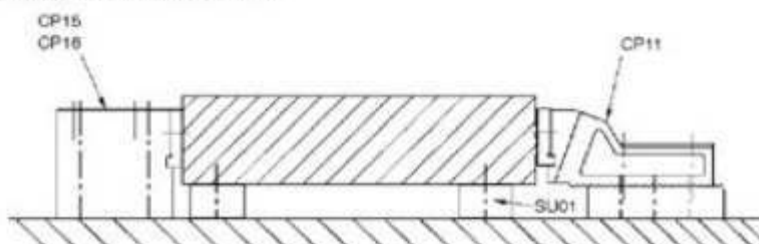
Ok-vise Suited for all different working piece, and re-work by your self:



- THE HRC OF BK2-VT,DK2-VT,FK2-VT ETC. INGENIOUS VISES IS 48-52, THOSE COULD NOT BE RE-WORKED TO USE.
- THE HRC OF DK2-WT,FK2-WT ETC. INGENIOUS VISES IS 48-52, THOSE COULD NOT BE RE-WORKED TO USE.
- THE HRC OF BK2-VT+3,DK2-VT+5, FK2-VT+5 ETC. INGENIOUS VISES IS 30-34, THOSE COULD BE RE-WORKED TO FORM FOR USE.

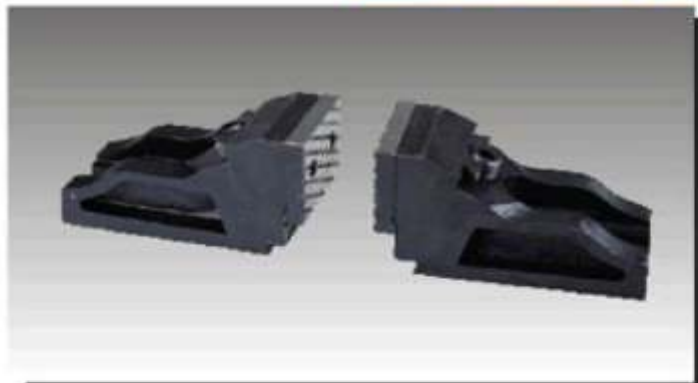
35079**SOLID VISE**

- Suitable for #35274-76 CP15,16 clamping of datum
- Useful for big working piece, you can place the vise according to the quantity of working piece
- Special design of oblique angle, the quality is powerful, and the working piece won't be moved.
- Material: main body SCD45, jaw YK30
- Heat treatment of jaw: HRC 55
- Surface treatment: phosphoric acid manganese



Unit:mm

Order No.	Model	A	B	C	D	E	F	G	H	J	K	L	M	N	TYPE	N.W. (kg)
35079-05	CP110112	133	60	58	68	50	32	16	6	22	13.5	18	42	10	SERRATED	2.1
35079-10	CP110216	187	85	80	92	70	45	24	9	30	17	25	60	14	SERRATED	5.6
35079-15	CP110312	133	60	58	68	50	32	16	6	22	13.5	18	42	10	GROUND	2.1
35079-20	CP110416	187	85	80	92	70	45	24	9	30	17	25	60	14	GROUND	5.6

35080**SOLID VISE**

Unit:mm

Order No.	Model	L×H	Width of JAW (W)	WEIGHT (kg)
35080-06	SV-62	138×60	62	5.38
35080-08	SV-85	196×75	87	10.5
35080-12	SV-125	220×92	125	22

- Useful for big working piece.
- You can place the vise according to the quantity of working piece
- Special design of oblique angle, the quality is powerful, and the working piece won't be moved.
- Heat treatment of jaw: HRC 55