



***MC Precision Vice
Mc Sub-table Series
CIM. FMS. FA Best Choice***

5

HMG type

HMG-6025/6040/6050/6063
HMG-9025/9040/9050/9063



7

VSP type

VSP-100/130/160/200



9

VCP type

VCP-100/130/160/200



11

VIP type

VIP-100/130/160/200



13

MPV type

MPV-100A/130A/160A/200A



15

MHV type

MHV-100A/130A/160A/200A



17

MB type

MB-100A/130A/160A/200A



19

MLD type

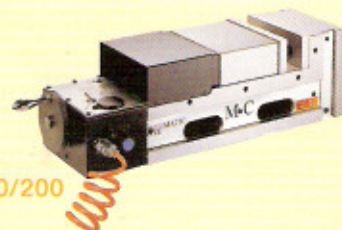
MLD-100/160



21

MVS type

MVS-130/160/180/200



23

MPV-L type

MPV-160L/200L



25

MC UNIVERSAL ANGLE-FIXED
AND POWERFUL-TYPE
ONE-UNIT VERTICAL PRECISION VICE



27

MC MECHANICAL-TYPE
PRECISION VICE



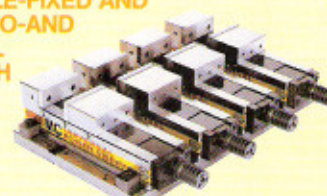
29

MC MECHANICAL-TYPE
PRECISION VICE



31

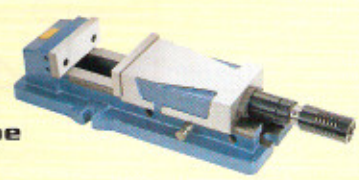
MC UNIVERSAL ANGLE-FIXED AND
POWERFUL-TYPE TWO-AND
FOUR-UNIT VERTICAL
PRECISION VICE WITH
FOUR VERTICAL
CLAMPING BARRELS



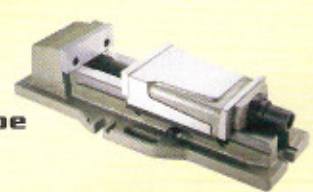
33
HB type
HB-170



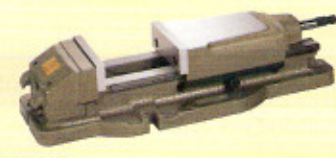
34
HBC type
HBC-170



35
HV type
HV-150



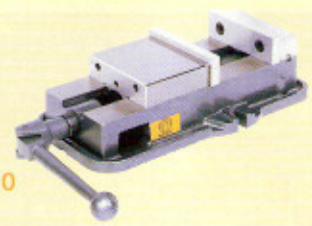
36
HS type
HS-100/125/150/200



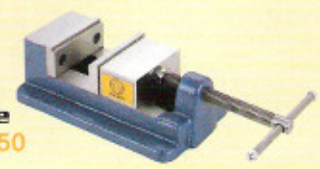
37
HN type
HN-100/150



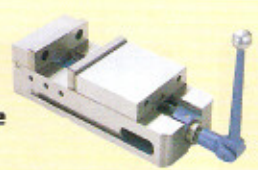
38
V type
V6/V688/V690/V810



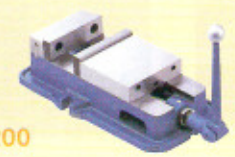
39
HMQ type
HMQ-100/125/150



39
HT type
HT-150



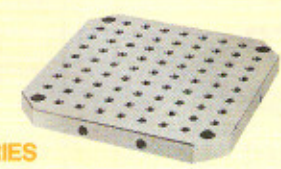
39
BT type
BT-100/150/200



40
MC SUB-TABLE SERIES



41
MC SUB-TABLE SERIES



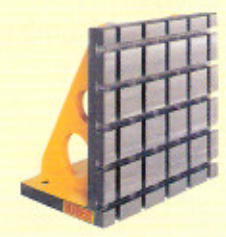
42
MC UNIVERSAL BLOCKS SERIES
(4 FACE TYPE-T-SLOTS)



43
MC DOUBLE SIDED
TOOLING COLUMN



44
MC ANGLE PLATE



45
SPECIAL APPLICATION JAW PLATES
(VSP/VCP)



46
SPECIAL APPLICATION JAW PLATES
(MPV/VIP)



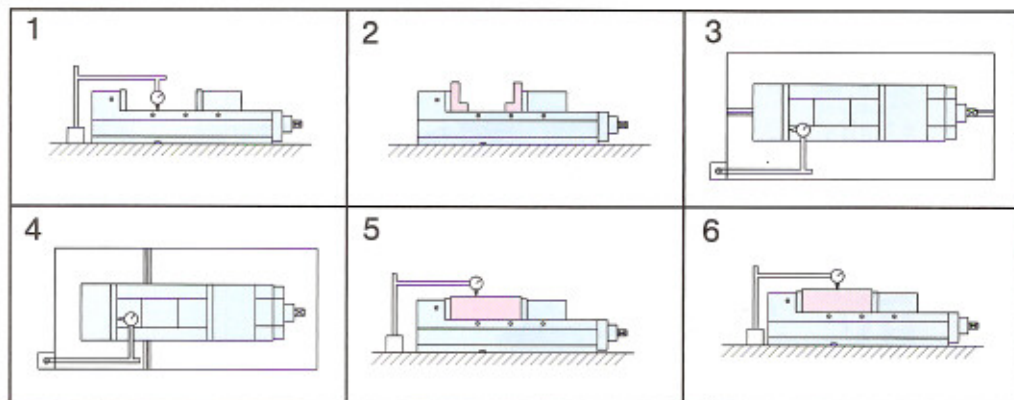
PRECISION INSPECTION

TYPE SPECIFICATION

**VSP
VCP
VIP
MVS
MPVA
MHVA
MBA
MBT
MLD**

According to JIS 0 grade inspection specification but more strictly. All 100% inspected.

INSPECTION METHOD

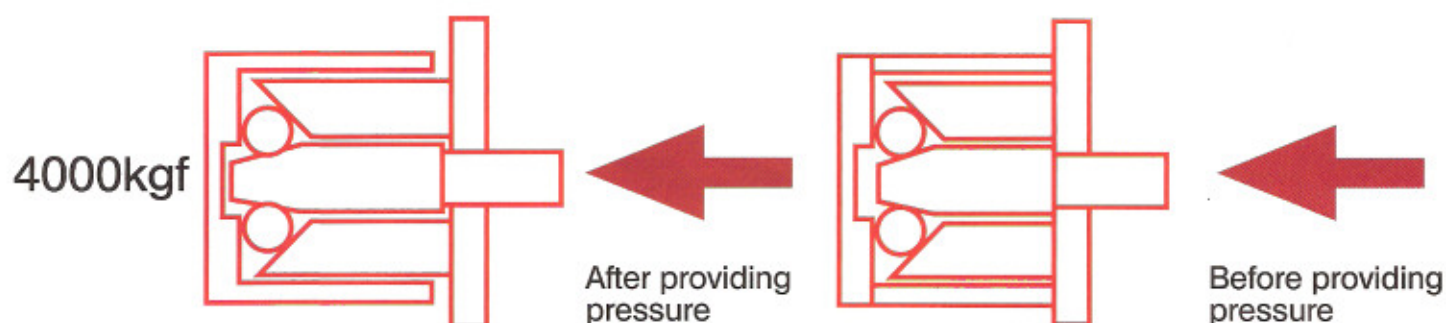


PRECISION SPECIFICATIONS.

No.	Item (100mm)	JIS grade 0	Standard
1	Sliding surface of vice jaw parallel to bottom of vice body.	0.015	0.010
2	Vice jaw square to sliding surface of vice jaw.	0.030	0.015
3	Sliding surface of vice jaw square to T slot of vice bottom.	0.015	0.015
4	Sliding surface of vice jaw parallel to T slot of vice bottom.	0.015	0.015
5	After test block clamped tightly, top of test block parallel to bottom of vice.	0.020	0.015
6	After test block clamped tightly, lift degree of test block.	0.030	0.015



PARTICULAR POWERFUL PRESSURE-INCREASING PRINCIPLE



PATENT NUMBER 112490

184869

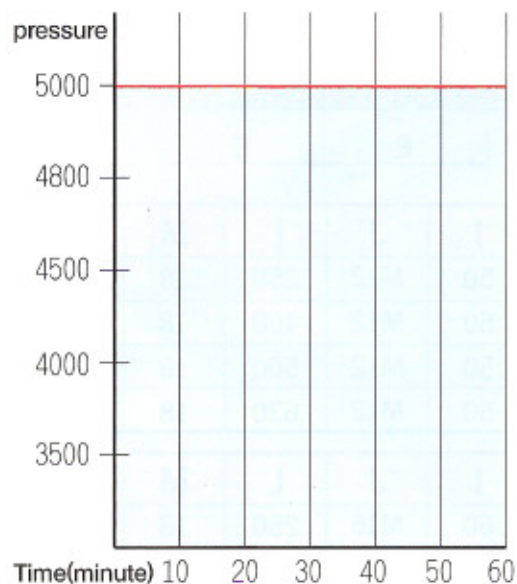
GERMANY 201125447

CHINE ZL01231630X

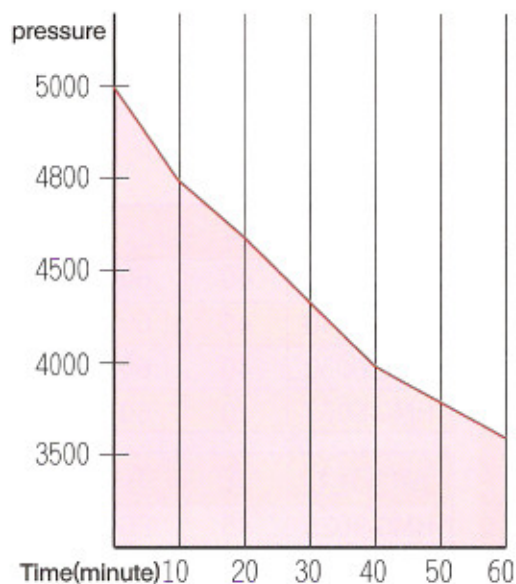
Make a comparison between powerful and other hydraulic after one hour of operation.

Features:

1. Pressure-increasing principle is based on enlarged principle of the machine to clamp the workpiece. (Clamping force is more than those of other hydraulic vices.)
2. Clamping force can be adjusted according to your need (See above chart.)
3. Because other oil pressure vices have the defects of oil leaking and oil-seal wear, our vices can avoid the above-mentioned defects and keep stable clamping force. (as right chart).
4. Unstable temperature will affect the processing accuracy if you use a traditional hydraulic vice.
5. If you want to get high pressure, you can rotate two circles on our powerful vice instead of rotating five circles on the handle of other hydraulic vices, so you can save processing time.



Powerful pressure structure

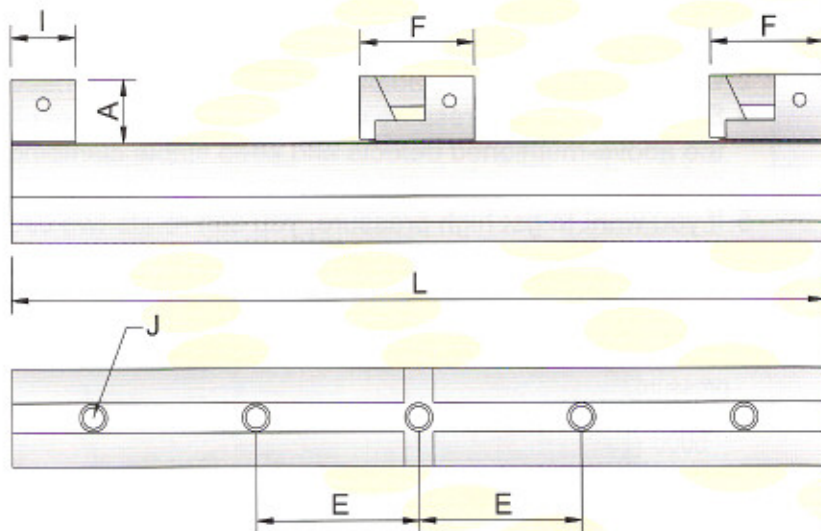
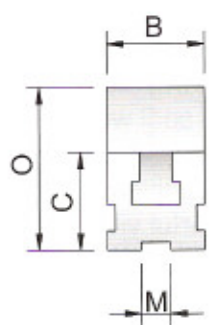
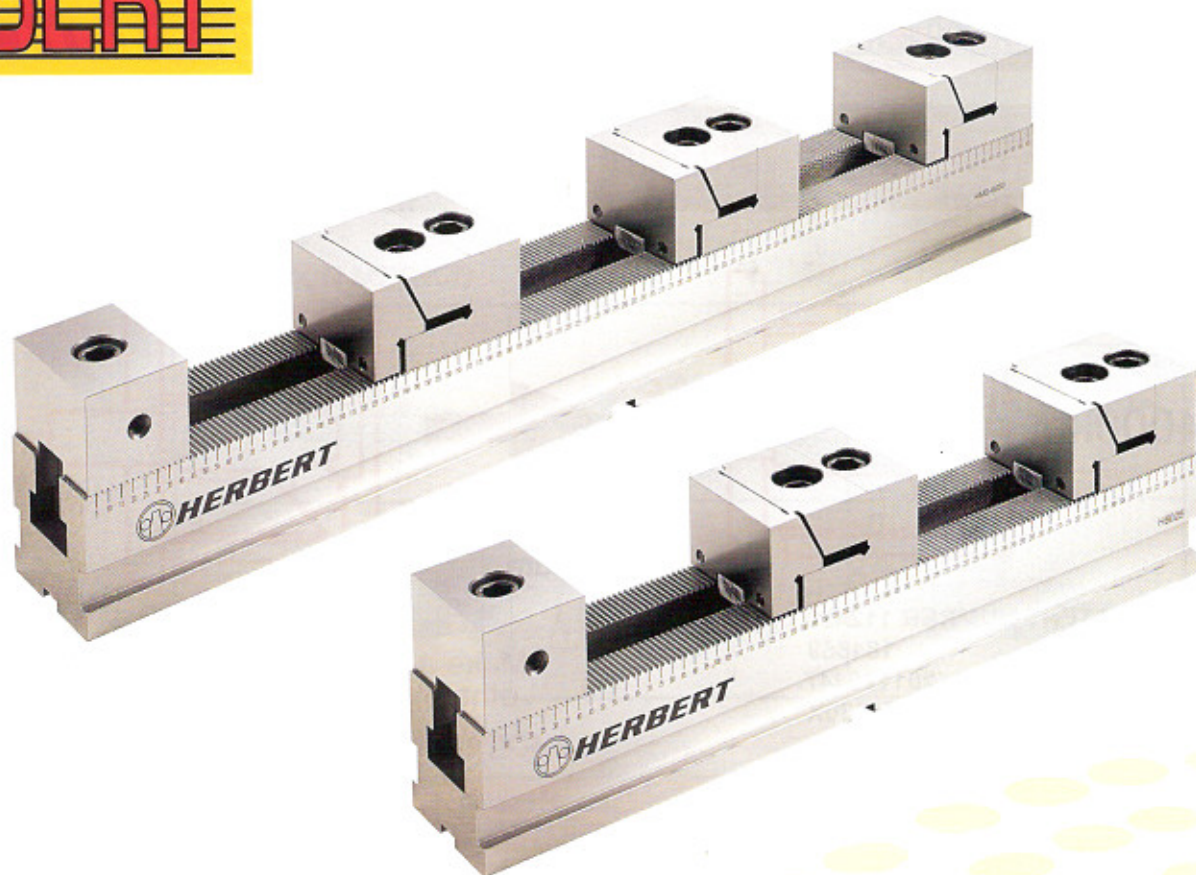


Other hydraulic structure

HERBERT

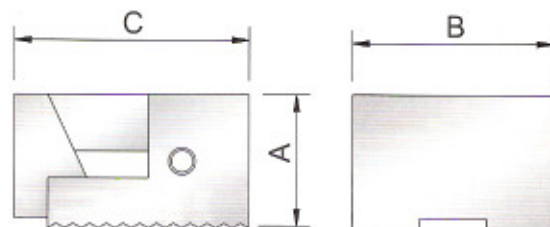
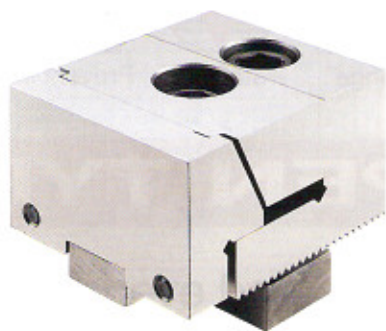
MULTIGRIP

'LOCK-TIGHT' MACHINE VISES

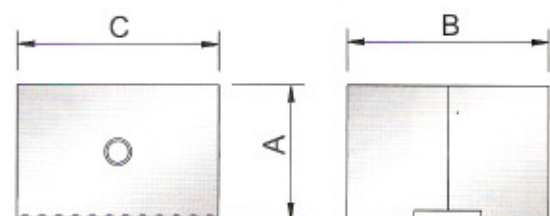
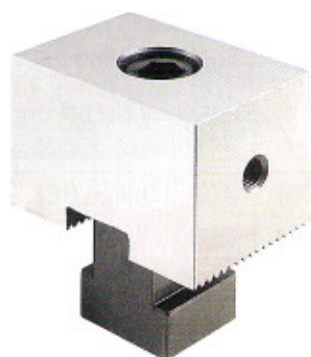


MODEL	A	B	C	E	F	I	J	L	M	O	G.W.
HMG-6025	40	60	60	100	70	50	M12	250	18	100	6.5kg
HMG-6040	40	60	60	100	70	50	M12	400	18	100	9.5kg
HMG-6050	40	60	60	100	70	50	M12	500	18	100	11.5kg
HMG-6063	40	60	60	100	70	50	M12	630	18	100	13.5kg

MODEL	A	B	C	E	F	I	J	L	M	O	G.W.
HMG-9025	45	90	70	100	80	60	M16	250	18	115	11kg
HMG-9040	45	90	70	100	80	60	M16	400	18	115	16kg
HMG-9050	45	90	70	100	80	60	M16	500	18	115	19.5kg
HMG-9063	45	90	70	100	80	60	M16	630	18	115	23.5kg

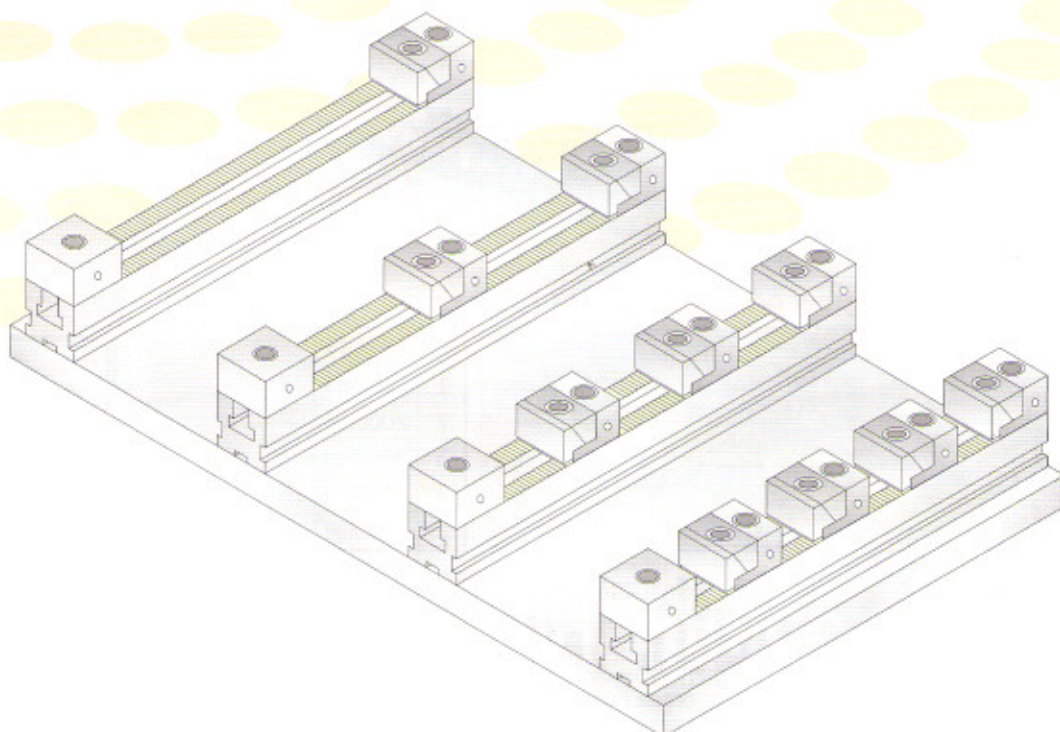


MODEL	A	B	C	G.W.
HMG-60A	40	60	70	1.4kg
HMG-90A	45	90	80	2.9kg



MODEL	A	B	C	G.W.
HMG-60B	40	60	50	1.4kg
HMG-90B	45	90	60	2.9kg

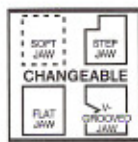
	1	1 2	1 2 3	1 2 3 4
HMG-6025	120	25		
HMG-6040	270	100	43	15
HMG-6050	370	150	76	40
HMG-6063	500	215	120	73
HMG-9025	99			
HMG-9040	249	84	29	
HMG-9050	349	134	62	26
HMG-9063	479	199	106	59



HERBERT



Powerful



Change



Paralleling



Prevent lifting

SUPER OPEN TYPE

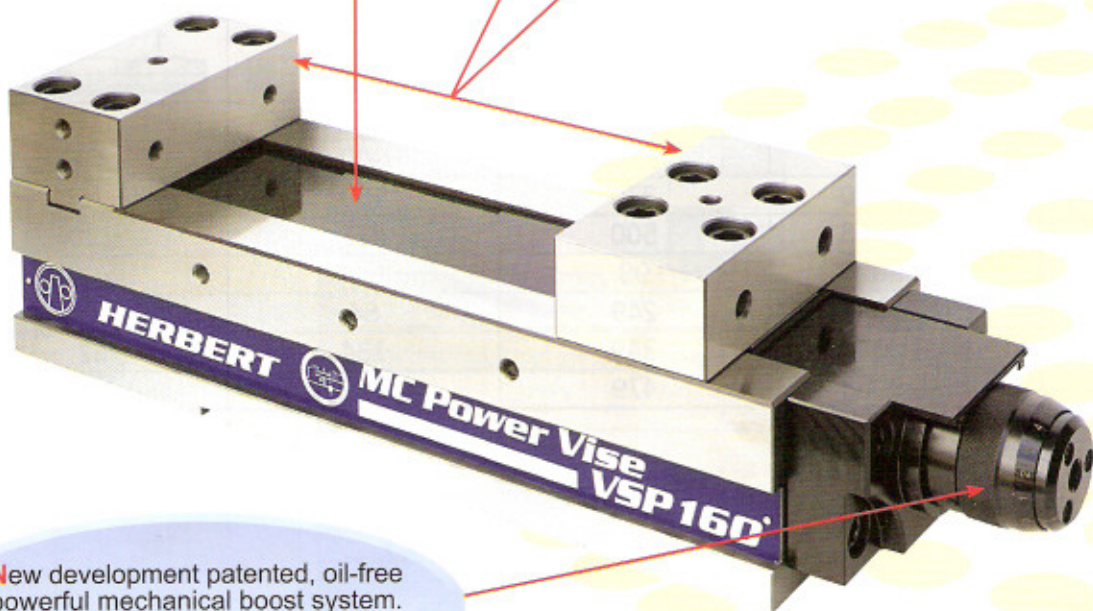
CORNER Most kindly design to considered every tiny point.



Chip cover adopted, preventing chips falling into causing bad motion.

Double opening than those of same grade vise.
Can easy clamp longer work piece.

Max. opening capacity 300 mm.



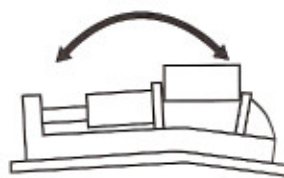
New development patented, oil-free powerful mechanical boost system, which gives greater clamping and never collapsing pressue.

PRESSURE POSITION SYSTEM



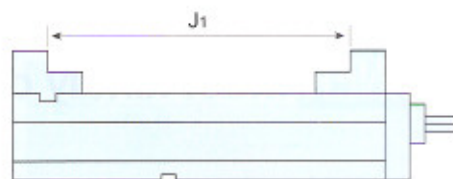
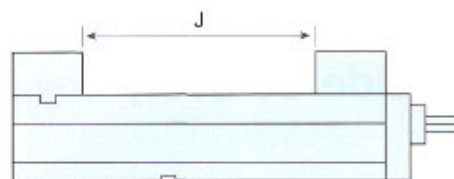
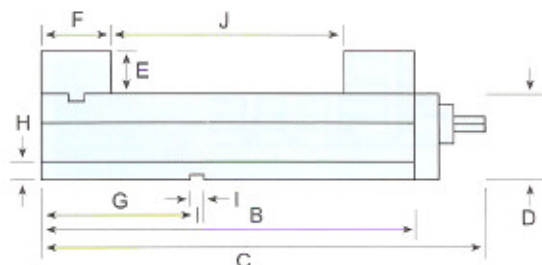
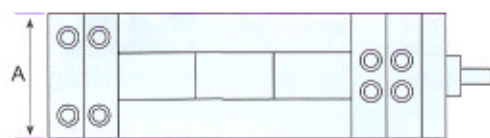
0	DIRECT
1	800kgf
2	2000kgf
3	3000kgf
4	4000kgf
5	5000kgf

Bend force.



High strength. High accuracy.

Perpendicular rib structure strain of vice. It could ham



MODEL	A	B	C	D	E	F	G	H	I	J	J ₁	N.W.	G.W.	POWER
VSP-100	100	310	425	95	45	70	110	23	18	150	200	27kg	30kg	4000kgf
VSP-130	130	410	525	100	50	75	135	23	18	240	315	45kg	48kg	4000kgf
VSP-160	160	490	610	110	55	85	200	23	18	300	385	60kg	62kg	5000kgf
VSP-200	200	565	680	120	60	100	220	23	18	350	450	100kg	105kg	5000kgf

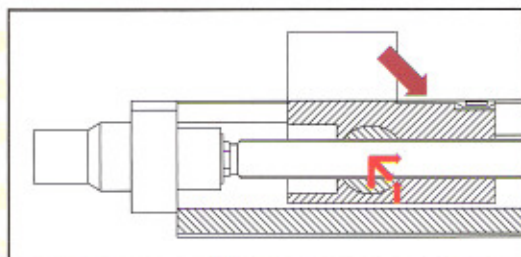
PATENT NUMBER

184869 201150 249761

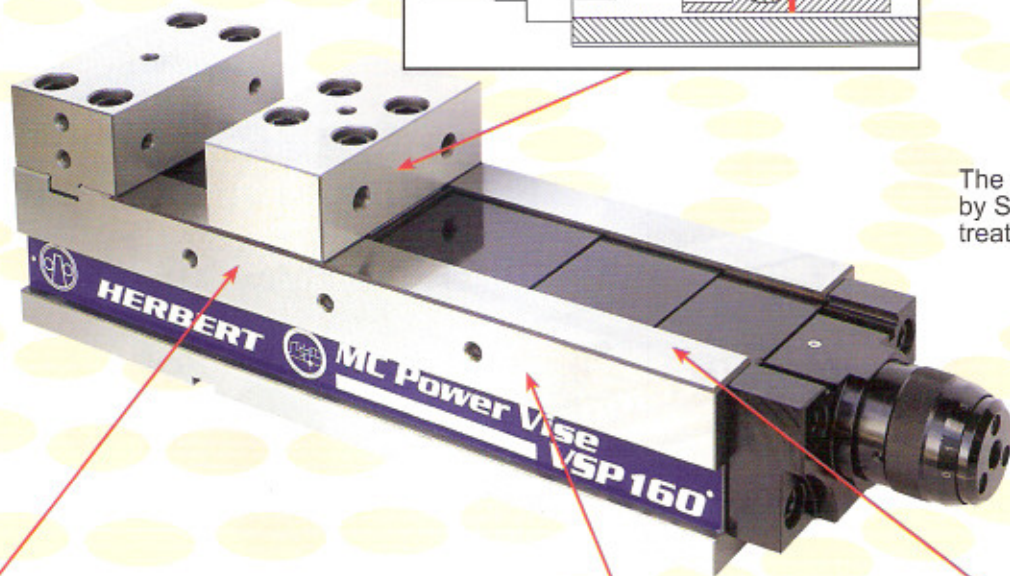
256286 249762 300156

GERMANY 201125447

CHINA ZL01231630X



This unit had prevent lifting structure, when clamping in down direction power also acting, so the workpiece and movable parts lift very small, furthermore, the body and solid jaw is a combination structure, it does not tilt.



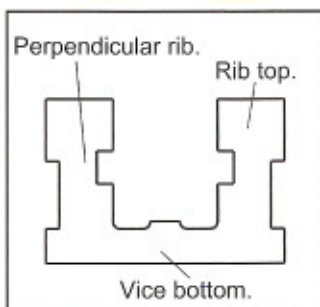
The whole Swivel Base are made by Stainless Steel, with harden treatment, durable and high accurate.

Standard Accessories

- 1.Handle-1 set
- 2.Guide key-2pcs
- 3.Screw-M6x10Lx2pcs
- 4.Chip cover
- 5.Vise locked block-4pcs

Optional Accessories

- 1.Special application jaw plates
- 2.Vise positioner
- 3.Swivel Base
- 4.Opening jaw plates
- 5.Sleeve spanner



Ductile cast iron spring.



Microphotograph for ductile cast iron

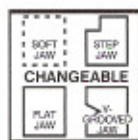


ch has great resistance to bending
ue to clamping to bring bend.

Ductile cast iron is fit to produce rigid precision items, which have three times strengthen than same grade vise due to used ductile cast iron.

The common contact face and slide face of movable parts both with good wear resistance of treat heatment (over HRC45°)

HERBERT



Change



Paralleling



Prevent lifting

MC MECHANICAL-TYPE PRECISION VICE

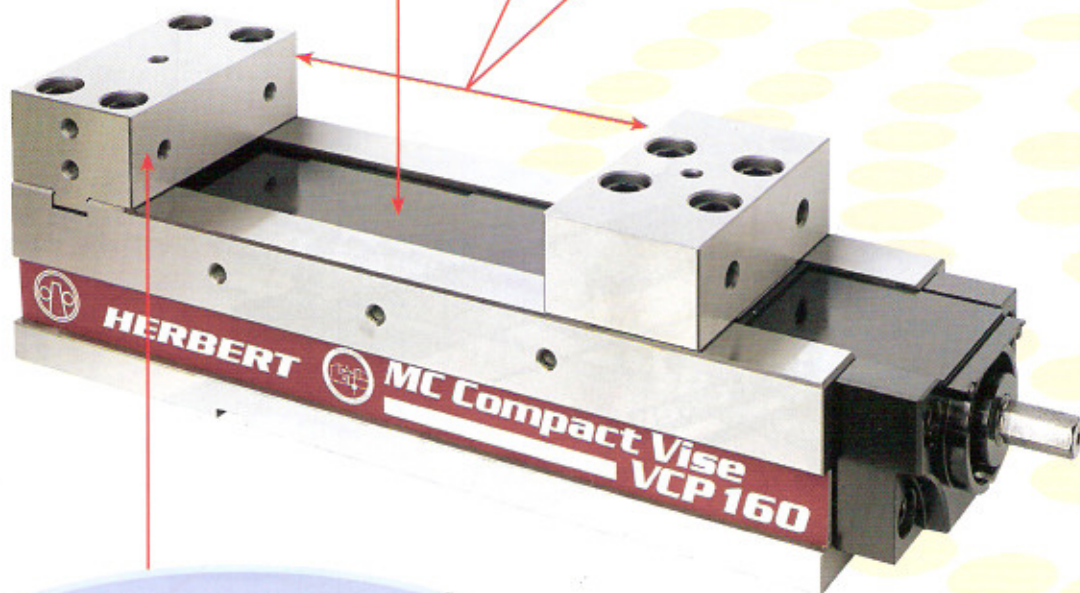
CORNER Most kindly design to considered every tiny point.



Chip cover adopted, preventing chips falling into causing bad motion.

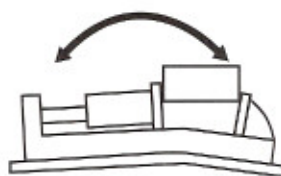
Double opening than those of same grade vice.
Can easy clamp longer work piece.

Max. opening capacity 300 mm.



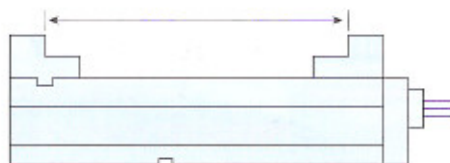
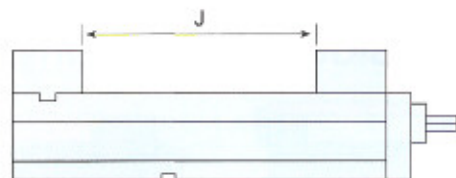
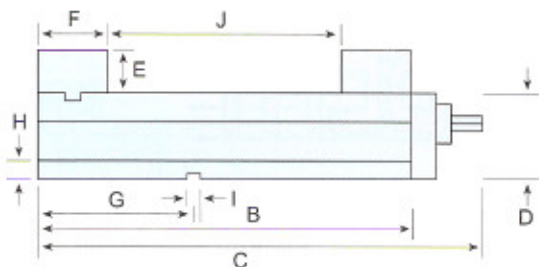
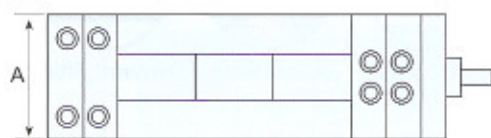
The jaw more deeper than those of same grade vice.. Can clamping higher work piece correctly.

Bend force.



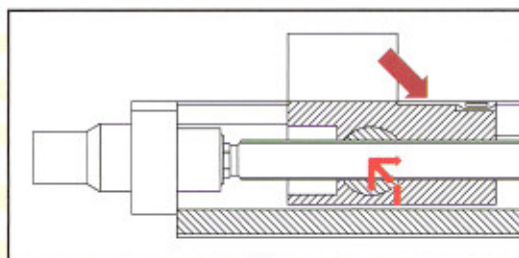
High strength. **High** accuracy.

Perpendicular rib structure strain of vice. It could hard

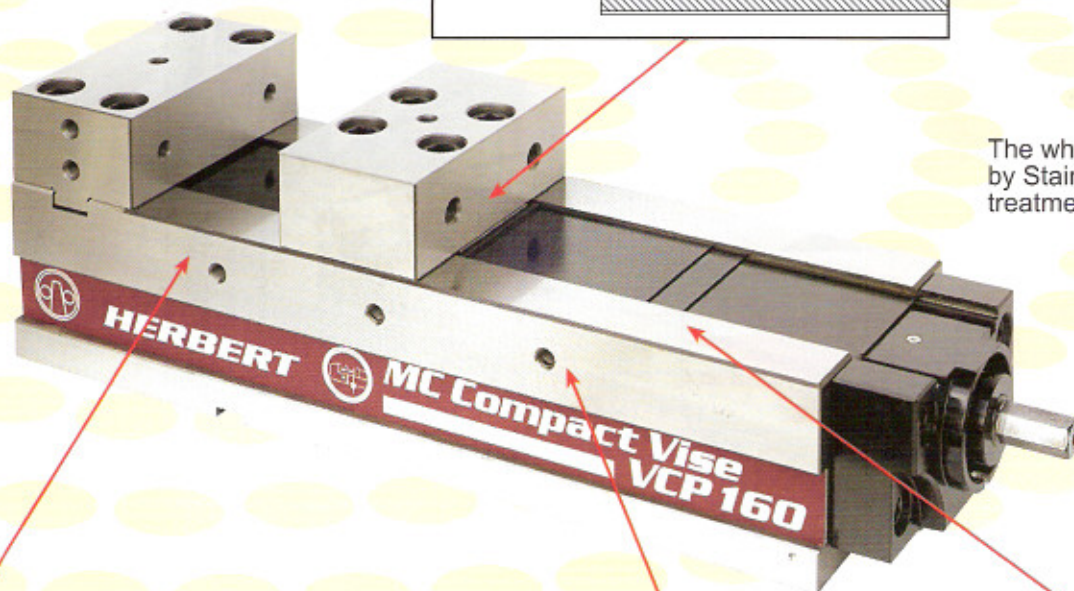


MODEL	A	B	C	D	E	F	G	H	I	J	J ₁	N.W.	G.W.	POWER
VCP-100	100	310	400	95	45	70	110	23	18	150	225	25kg	28kg	-
VCP-130	130	410	500	100	50	75	135	23	18	250	330	43kg	46kg	-
VCP-160	160	490	580	110	55	85	200	23	18	300	385	57kg	60kg	-
VCP-200	200	565	655	120	60	100	220	23	18	350	450	97kg	100kg	-

PATENT NUMBER
249762
256286



This unit had prevent lifting structure, when clamping in down direction power also acting, so the workpiece and movable parts lift very small, furthermore, the body and solid jaw is a combination structure, it does not tilt.

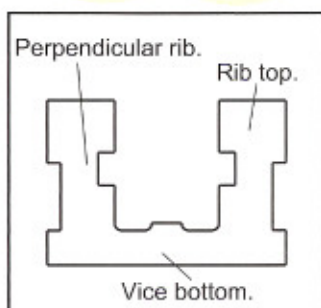


The whole Swivel Base are made by Stainless Steel, with harden treatment, durable and high accurate.

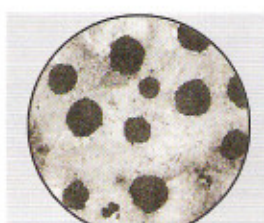
Standard Accessories

- 1.Handle-1 set
- 2.Guide key-2pcs
- 3.Screw-M6x10Lx2pcs
- 4.Chip cover
- 5.Vise locked block-4pcs

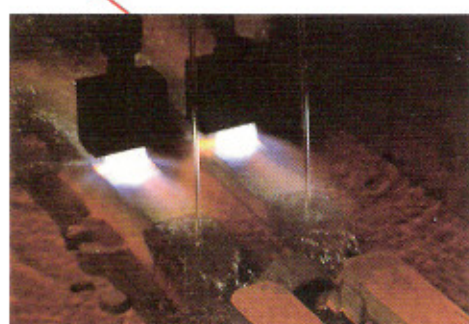
- 1.Special application jaw plates
- 2.Vise positioner
- 3.Swivel Base
- 4.Opening jaw plates
- 5.Sleeve spanner



Ductile cast iron spring.



Microphotograph for ductile cast iron



h has great resistance to bending
e to clamping to bring bend.

Ductile cast iron is fit to produce rigid precision items, which have three times strengthen than same grade vise due to used ductile cast iron.

The common contact face and slide face of movable parts both with good wear resistance of treat heatment (over HRC45°)

HERBERT



Powerful



Big opening



Paralleling



Prevent lifting

SUPER OPEN TYPE

CORNER Most kindly design to considered every tiny point.

PRESSURE POSITION SYSTEM

New development patented, oil-free powerful mechanical boost system, which gives greater clamping and never collapsing pressure.



0	DIRECT
1	800kgf
2	2000kgf
3	3000kgf
4	4000kgf
5	5000kgf

Chip cover adopted, preventing chips falling into causing bad motion.



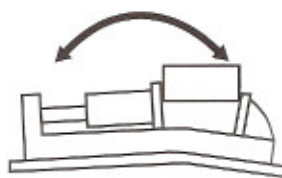
Max. opening capacity 300 mm.

Double opening than those of same grade vice. Can easy clamp longer work piece.

The jaw more deeper than those of same grade vice.. Can clamping higher work piece correctly.

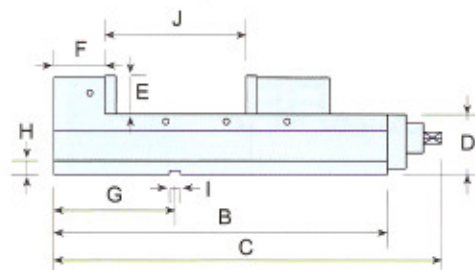
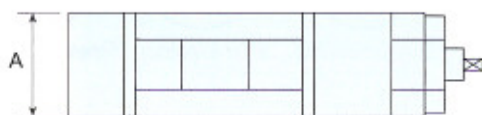


Bend force.

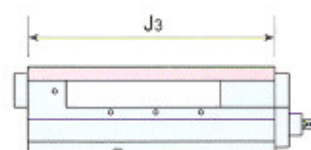
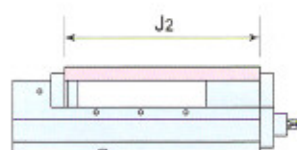
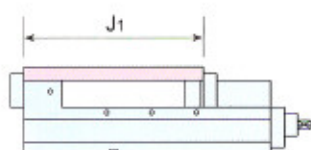


High strength. **High** accuracy.

Perpendicular rib structure of vise. It could have



Four clamping way for choice



MODEL	A	B	C	D	E	F	G	H	I	J	J ₁	J ₂	J ₃	N.W.	G.W.	POWER
VIP-100	100	400	530	85	45	80	110	23	18	200	230	260	340	32kg	35kg	4000kgf
VIP-130	130	450	580	95	50	85	135	23	18	240	285	320	405	45kg	48kg	4500kgf
VIP-160	160	550	680	100	60	103	200	23	18	300	380	400	500	63kg	66kg	5000kgf
VIP-200	200	600	730	110	60	108	220	23	18	340	438	470	578	92kg	104kg	5500kgf

PATENT NUMBER

184869 201150

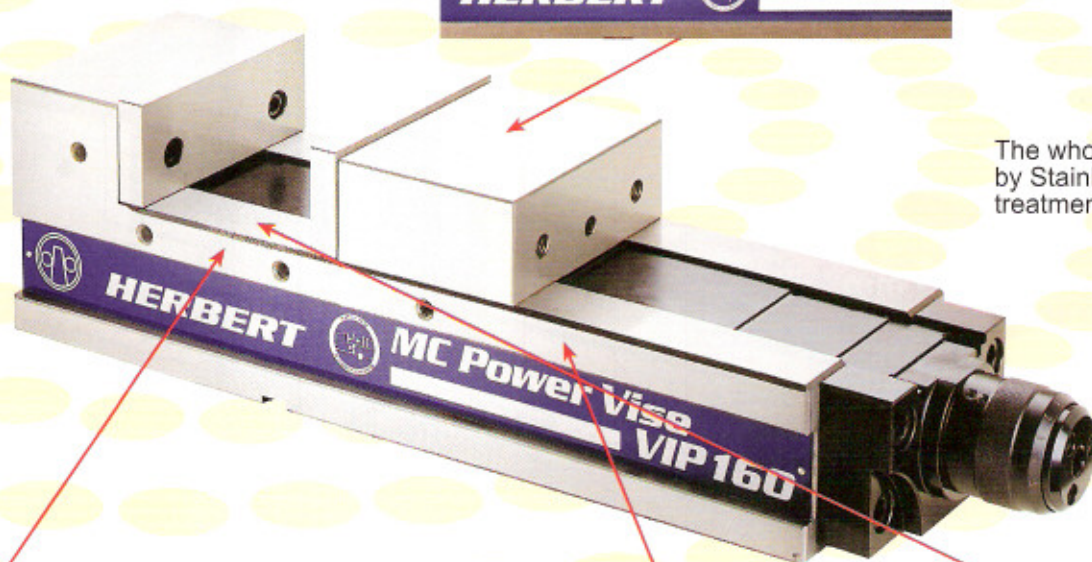
249761 256258 300156

GERMANY 201125447

CHINA ZL01231630X



This unit had prevent lifting structure, when clamping in down direction power also acting, so the workpiece and movable parts lift very small, furthermore, the body and solid jaw is a combination structure, it does not tilt.



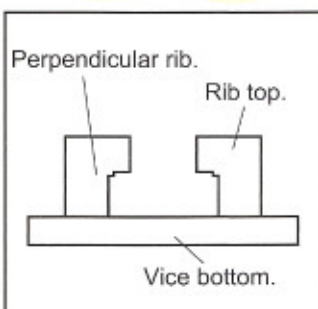
The whole Swivel Base are made by Stainless Steel, with harden treatment, durable and high accurate.

Standard Accessories

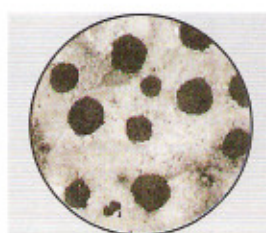
- 1.Handle-1 set
- 2.Guide key-2pcs
- 3.Screw-M6x10Lx2pcs
- 4.Chip cover
- 5.Vise locked block-4pcs

Optional Accessories

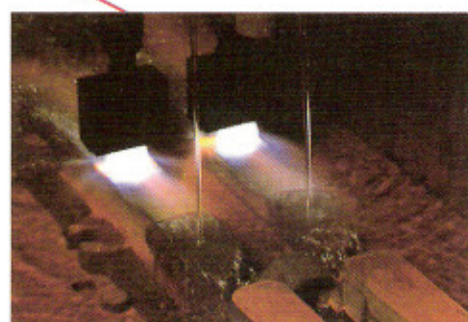
- 1.Special application jaw plates
- 2.Vise positioner
- 3.Swivel Base
- 4.Opening jaw plates
- 5.Sleeve spanner



Ductile cast iron spring.



Microphotograph for ductile cast iron



h has great resistance to bending
e to clamping to bring bend.

Ductile cast iron is fit to produce rigid precision items, which have three times strengthen than same grade vise due to used ductile cast iron.

The common contact face and slide face of movable parts both with good wear resistance of treat heatment (over HRC45°)

HERBERT



Powerful



Big opening



Paralleling



Prevent lifting

MC UNIVERSAL POWERFUL-TYPE PRECISION VICE

CORNER Most kindly design to considered every tiny point.

New development patented, oil-free powerful mechanical boost system, which gives greater clamping and never collapsing pressure.

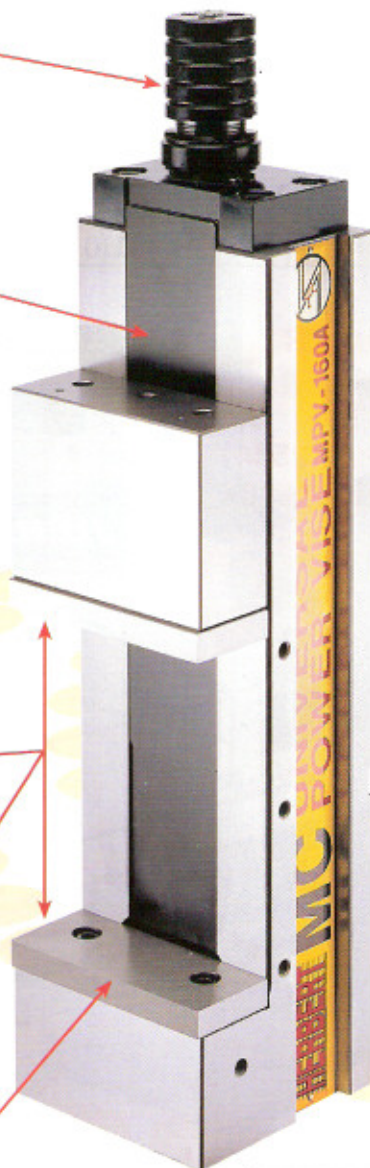
Chip cover adopted, preventing chips falling into causing bad motion.



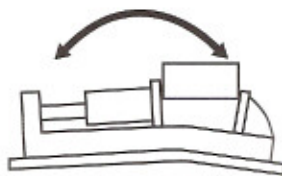
Max. opening capacity 300 mm.

Double opening than those of same grade vice. Can easy clamp longer work piece.

The jaw more deeper than those of same grade vice.. Can clamping higher work piece correctly.

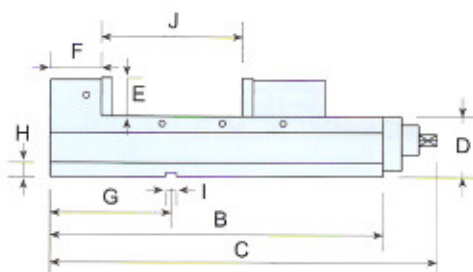
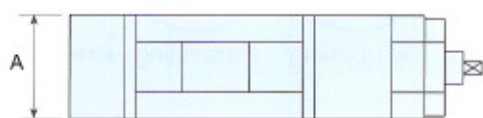


Bend force.

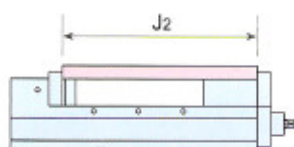
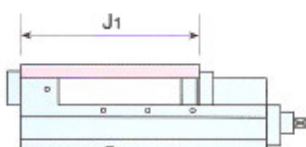
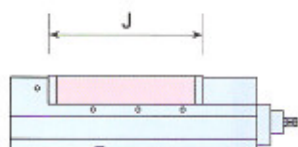


High strength. **High** accuracy.

Perpendicular rib structure strain of vice. It could han



Four clamping way for choice



MODEL	A	B	C	D	E	F	G	H	I	J	J ₁	J ₂	J ₃	N.W.	G.W.	POWER
MPV-100A	100	400	530	85	45	80	110	23	18	200	230	260	340	32kg	35kg	4000kgf
MPV-130A	130	450	580	95	50	85	135	23	18	240	285	320	405	45kg	48kg	4500kgf
MPV-160A	160	550	680	100	60	103	200	23	18	300	380	400	500	63kg	66kg	5000kgf
MPV-200A	200	600	730	110	60	108	220	23	18	340	438	470	578	92kg	104kg	5500kgf

PATENT NUMBER

184869 201150

249761 256258

GERMANY 201125447

CHINA ZL01231630X



This unit had prevent lifting structure, when clamping in down direction power also acting, so the workpiece and movable parts lift very small, furthermore, the body and solid jaw is a combination structure, it does not tilt.



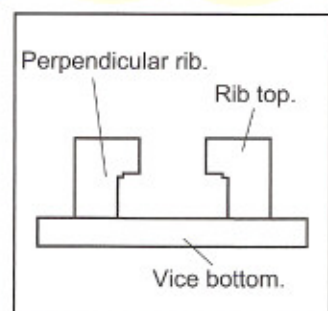
The whole Swivel Base are made by Stainless Steel, with harden treatment, durable and high accurate.

Standard Accessories

- 1.Handle-1 set
- 2.Guide key-2pcs
- 3.Screw-M6x10Lx2pcs
- 4.Chip cover
- 5.Vise locked block-4pcs

Optional Accessories

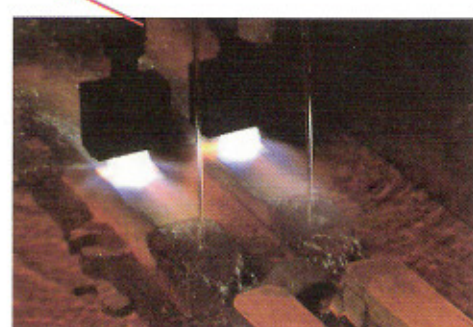
- 1.Special application jaw plates
- 2.Vise positioner
- 3.Swivel Base
- 4.Opening jaw plates
- 5.Sleeve spanner



Ductile cast iron spring.



Microphotograph for ductile cast iron



ch has great resistance to bending
e to clamping to bring bend.

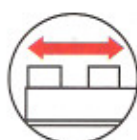
Ductile cast iron is fit to produce rigid precision items, which have three times strengthen than same grade vise due to used ductile cast iron.

The common contact face and slide face of movable parts both with good wear resistance of treat heatment (over HRC45°)

HERBERT



Hydraulic



Big opening



Paralleling



Prevent lifting

MC HYDRAULIC-TYPE PRECISION VICE

CORNER Most kindly design to considered every tiny point.

Non-trouble hydraulic pump of new development patented which gives greater clamping force easily.

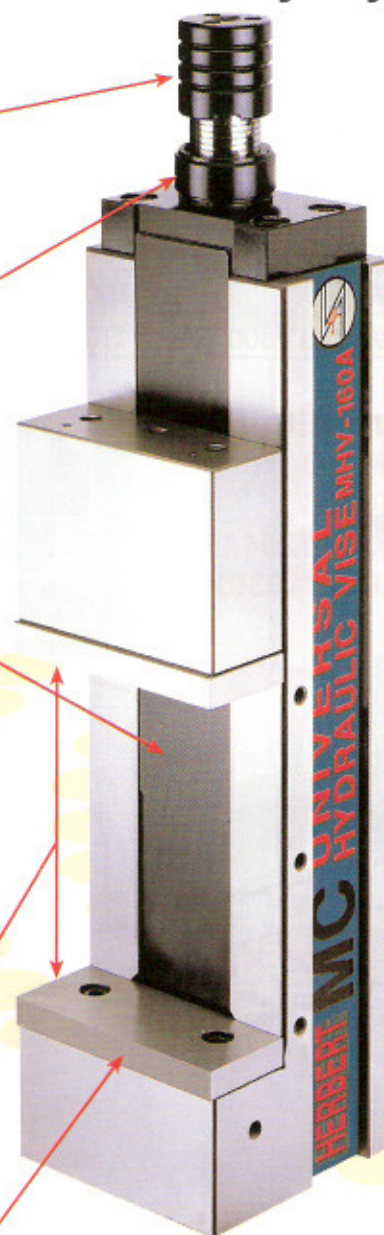
Combine concave with convex is low pressure. Convex and concave are separated then become high pressure.

Chip cover adopted, preventing chips falling into causing bad motion.

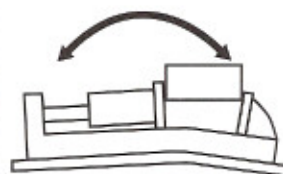


Double opening than those of same grade vice. Can easy clamp longer work piece.

The jaw more deeper than those of same grade vice.. Can clamping higher work piece correctly.

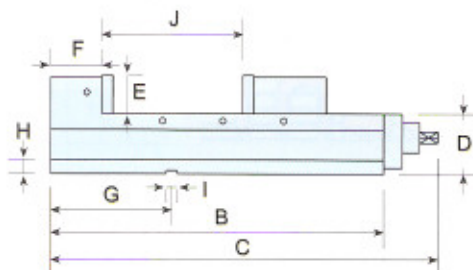
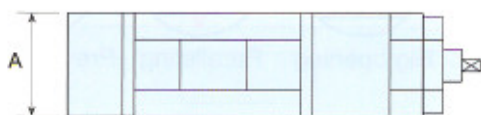


Bend force.

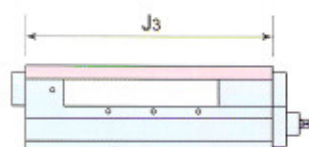
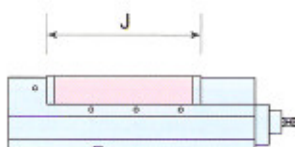


High strength. **High** accuracy.

Perpendicular rib structure strain of vice. It could hard

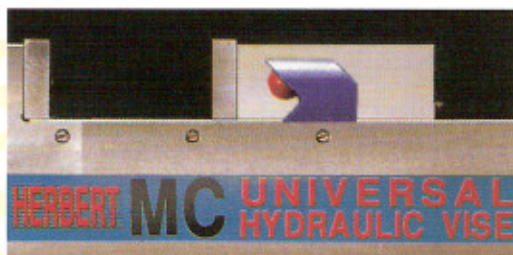


Four clamping way for choice

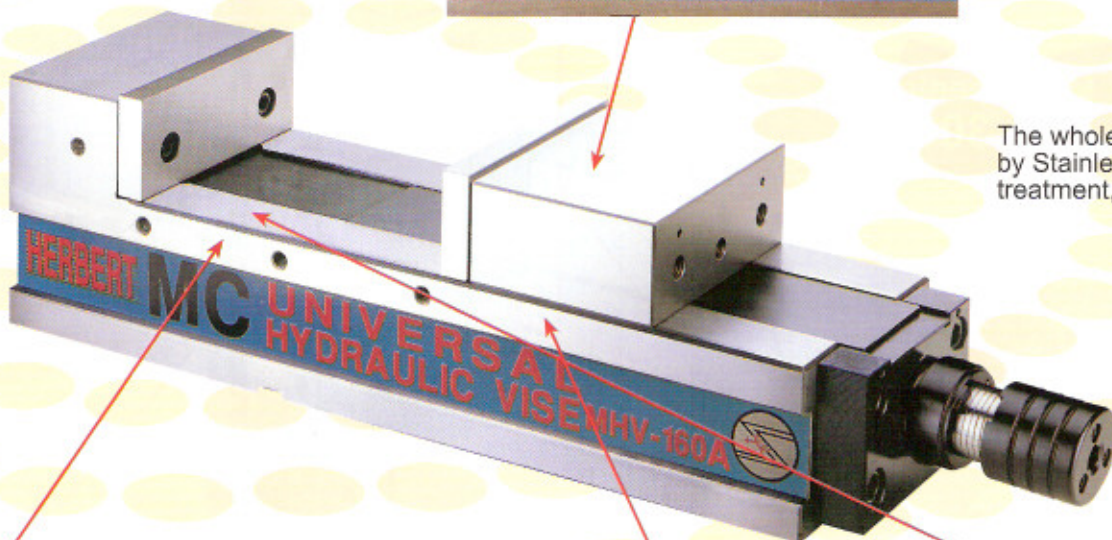


MODEL	A	B	C	D	E	F	G	H	I	J	J ₁	J ₂	J ₃	N.W.	G.W.	POWER
MHV-100A	100	400	535	85	45	80	110	23	18	150	230	260	340	32kg	35kg	4000kgf
MHV-130A	130	450	585	95	50	85	135	23	18	200	285	320	405	45kg	48kg	4500kgf
MHV-160A	160	550	685	100	60	103	200	23	18	265	380	400	500	63kg	66kg	5000kgf
MHV-200A	200	600	735	110	65	108	220	23	18	300	438	470	578	92kg	104kg	5500kgf

PATENT NUMBER 256258



This unit had prevent lifting structure, when clamping in down direction power also acting, so the workpiece and movable parts lift very small, furthermore, the body and solid jaw is a combination structure, it does not tilt.



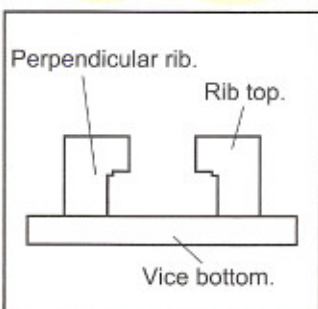
The whole Swivel Base are made by Stainless Steel, with harden treatment, durable and high accurate.

Standard Accessories

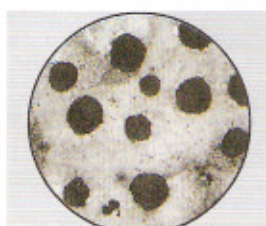
- 1.Handle-1 set
- 2.Guide key-2pcs
- 3.Screw-M6x10Lx2pcs
- 4.Chip cover
- 5.Vise locked block-4pcs

Optional Accessories

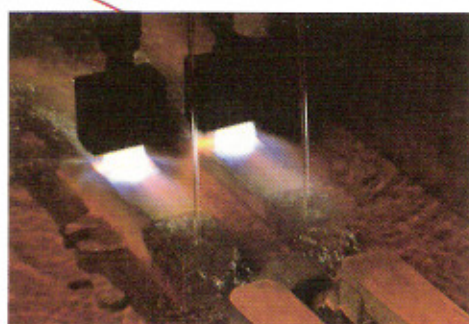
- 1.Special application jaw plates
- 2.Vise positioner
- 3.Swivel Base
- 4.Opening jaw plates
- 5.Sleeve spanner



Ductile cast iron spring.



Microphotograph for ductile cast iron

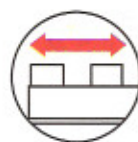


The common contact face and slide face of movable parts both with good wear resistance of treat heatment (over HRC45°)

h has great resistance to bending
e to clamping to bring bend.

Ductile cast iron is fit to produce rigid precision items, which have three times strengthen than same grade vise due to used ductile cast iron.

HERBERT



Big opening



Paralleling



Prevent lifting

MC MECHANICAL-TYPE PRECISION VICE

CORNER Most kindly design to considered every tiny point.

Chip cover adopted, preventing chips falling into causing bad motion.



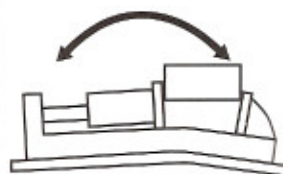
Max. opening capacity 300 mm.

Double opening than those of same grade vice. Can easy clamp longer work piece.

The jaw more deeper than those of same grade vice.. Can clamping higher workpiece correctly.

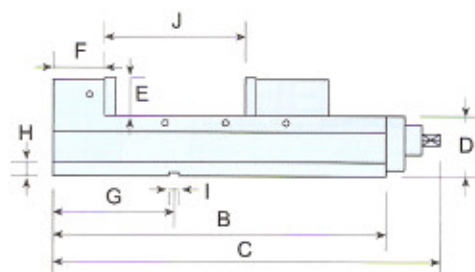


Bend force.

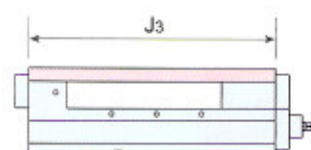
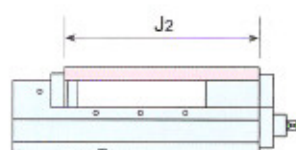
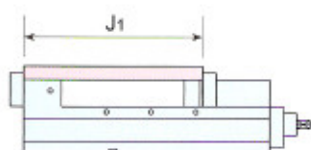


High strength. **High** accuracy.

Perpendicular rib structure strain of vice. It could have



Four clamping way for choice

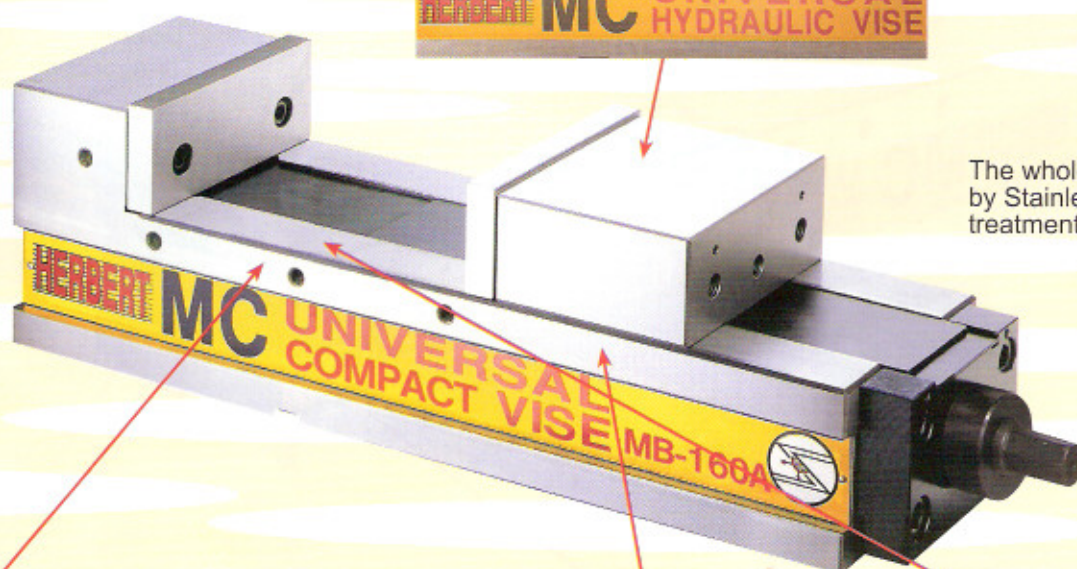


MODEL	A	B	C	D	E	F	G	H	I	J	J ₁	J ₂	J ₃	N.W.	G.W.	POWER
MB-100A	100	400	490	85	45	80	110	23	18	200	230	260	340	27kg	30kg	-
MB-130A	130	450	540	95	50	85	135	23	18	240	285	320	405	40kg	43kg	-
MB-160A	160	550	640	100	60	103	200	23	18	300	380	400	500	58kg	61kg	-
MB-200A	200	600	690	110	65	108	220	23	18	340	438	470	578	87kg	99kg	-

PATENT NUMBER 256258



This unit had prevent lifting structure, when clamping in down direction power also acting, so the workpiece and movable parts lift very small, furthermore, the body and solid jaw is a combination structure, it does not tilt.



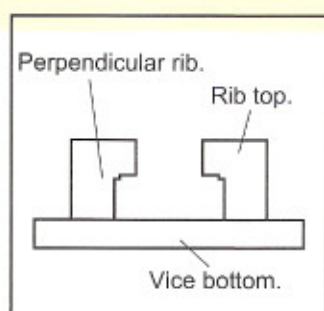
The whole Swivel Base are made by Stainless Steel, with harden treatment, durable and high accurate.

Standard Accessories

- 1.Handle-1 set
- 2.Guide key-2pcs
- 3.Screw-M6x10Lx2pcs
- 4.Chip cover
- 5.Vise locked block-4pcs

Optional Accessories

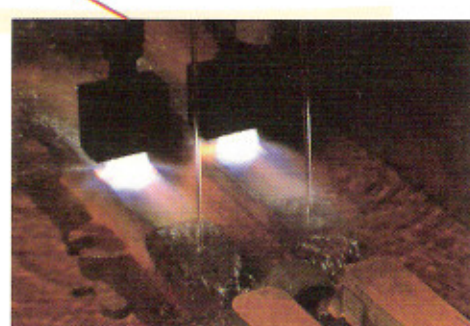
- 1.Special application jaw plates
- 2.Vise positioner
- 3.Swivel Base
- 4.Opening jaw plates
- 5.Sleeve spanner



Ductile cast iron spring.



Microphotograph for ductile cast iron

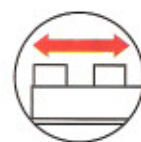


h has great resistance to bending
e to clamping to bring bend.

Ductile cast iron is fit to produce rigid precision items, which have three times strengthen than same grade vise due to used ductile cast iron.

The common contact face and slide face of movable parts both with good wear resistance of treat heatment (over HRC45°)

HERBERT



Big opening



Paralleling



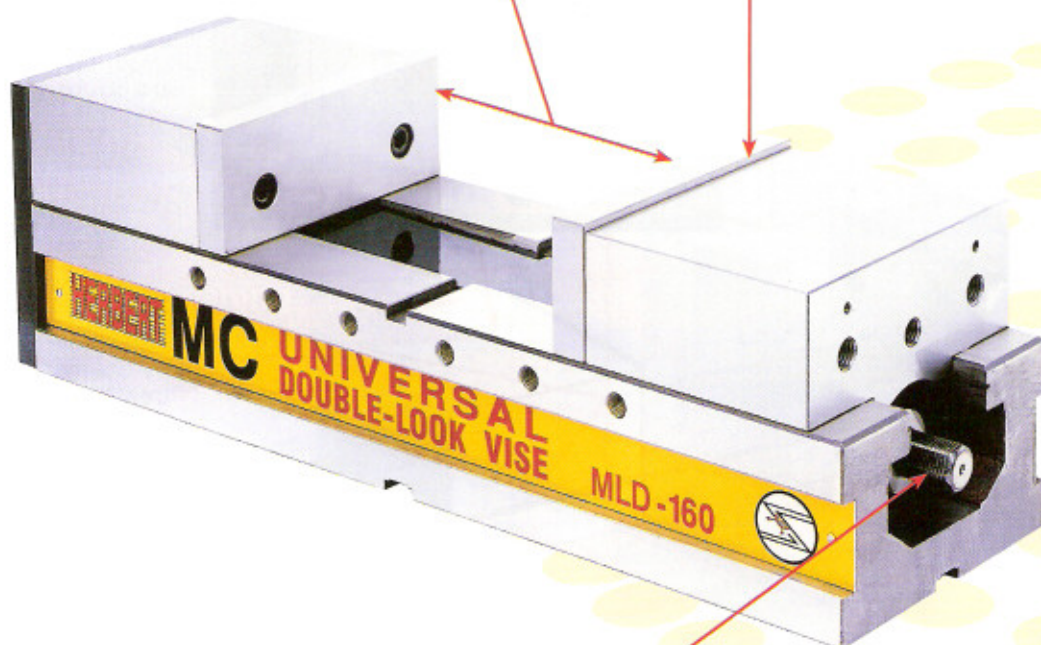
Prevent lifting

MC DOUBLE-CLAMPING PRECISION VICE

CORNER Most kindly design to considered every tiny point.

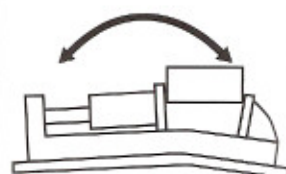
Double opening than those of same grade vice.
Can easy clamp longer work piece.

The jaw more deeper than those of same grade vice. Can clamping higher workpiece correctly.



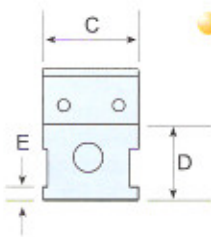
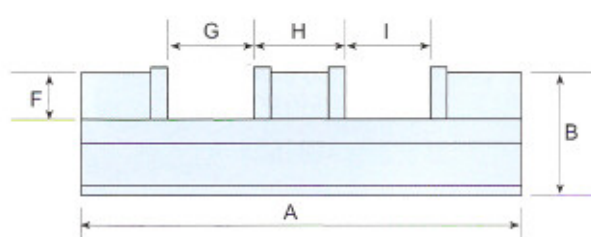
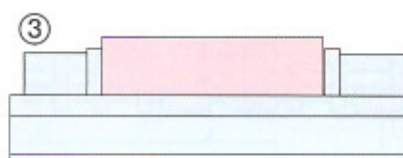
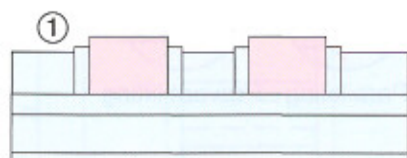
New development double-clamp mechanism, can process two different size workpiece at same time, one unit treated as two units.

Bend force.



High strength. **High** accuracy.

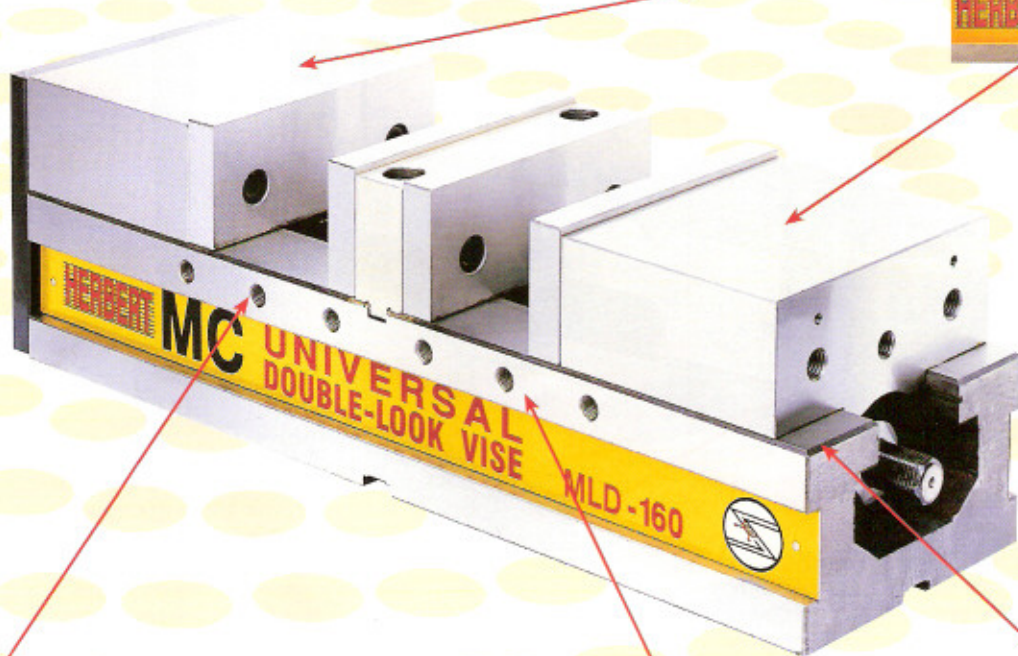
Perpendicular rib structure of vice. It could have



The work pieces size within 75mm able to adjustable

This unit had prevent lifting structure, when clamping in down direction power also acting, so the workpiece and movable parts lift very small, furthermore, the body and solid jaw is a combination structure, it does not tilt.

MODEL	A	B	C	D	E	F	G	H	I	WEIGHT
MLD-100	400	105	100	65	23	40	75	60	65	25kg
MLD-160	500	145	160	90	23	60	100	66	80	50kg



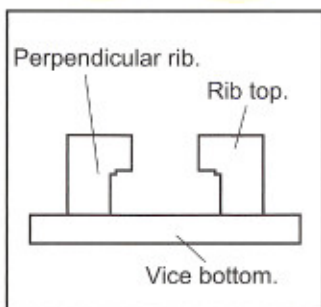
The whole Swivel Base are made by Stainless Steel, with harden treatment, durable and high accurate.

Standard Accessories

- 1.Handle-1 set
- 2.Guide key-2pcs
- 3.Screw-M6x10Lx2pcs
- 4.Vise locked block-4pcs

Optional Accessories

- 1.Special application jaw plates
- 2.Vise positioner
- 3.Swivel Base
- 4.Opening jaw plates



Ductile cast iron spring.



Microphotograph for ductile cast iron



h has great resistance to bending
e to clamping to bring bend.

Ductile cast iron is fit to produce rigid precision items, which have three times strengthen than same grade vise due to used ductile cast iron.

The common contact face and slide face of movable parts both with good wear resistance of treat heatment (over HRC45°)

HERBERT



Air Pressure



Big opening



Paralleling



Prevent lifting

PNEUMATIC MC PRECISION ANGLE-FIXED VICE

CORNER Most kindly design to considered every tiny point.

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

Hymanization design of the hand wheel: One can turn the hand wheel directly to drive upper cover without using any knob or handhold so as to assist biting action.

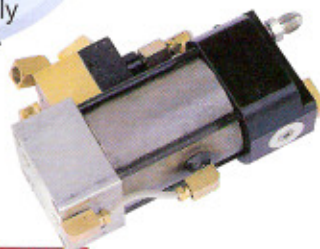
Double opening than those of same grade vice. Can clamping longer work piece easier.



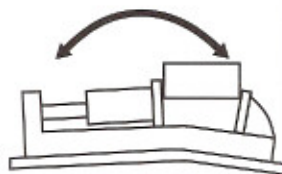
The principle of this vise is the reciprocating air pressure motor (Patent structure) R&D by ourselves. It achieves the property of automatically biting by means of continuously increasing the pressure to push the oil way. The property is second to none domestically and even surpasses foreign brands.

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

Automatically seeking the highest source. When the pressure regulator sets the will not of order because the source.



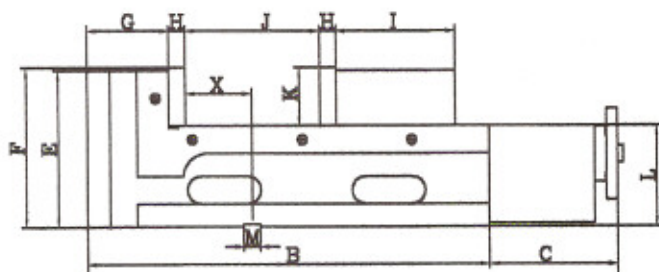
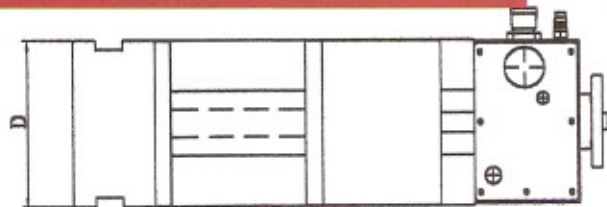
Bend force.



High strength. **High** accuracy.

Perpendicular rib structure strain of vice. It could have

'LOCK-TIGHT' MACHINE VISES



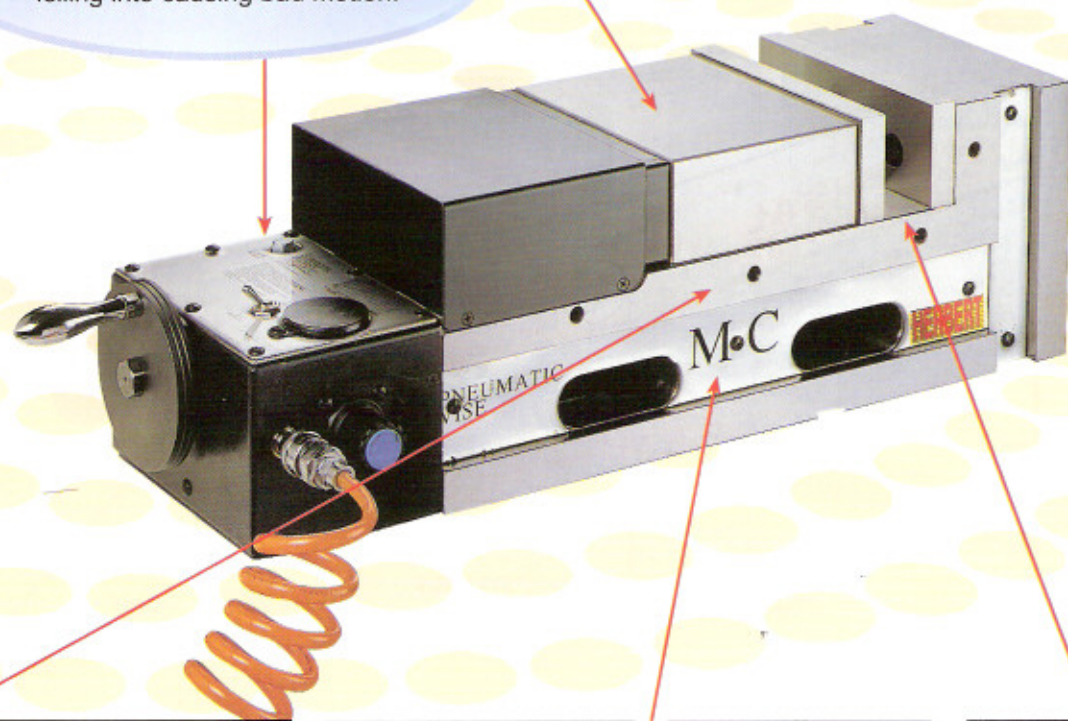
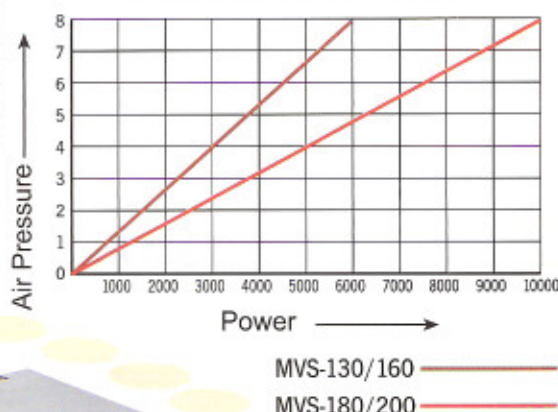
MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	X	GRIPPING FORCE	N.W.	G.W.
MVS-130	520	380	140	130	157	160	85	15	110	0-150	55	105	18	45	6000kgf	42kg	48kg
MVS-160	540	400	140	160	157	160	87	15	120	0-160	55	105	18	45	6000kgf	47kg	58kg
MVS-180	600	460	140	180	170	173	90	18	130	0-200	63	110	18	72	9000kgf	65kg	72kg
MVS-200	610	470	140	200	170	173	90	18	140	0-200	63	110	18	72	9000kgf	70kg	80kg



This unit had prevent lifting structure, when clamping in down direction power also acting, so the workpiece and movable parts lift very small, furthermore, the body and solid jaw is a combination structure, it does not tilt.

Chip cover adopted preventing chips falling into causing bad motion.

AIR PRESSURE CHART

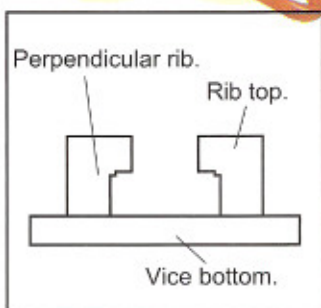


Standard Accessories

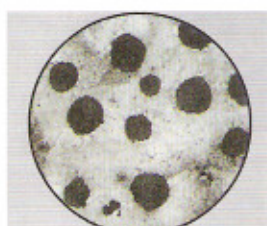
- 1.Handle-1 set
- 2.Guide key-2pcs
- 3.Screw-M6x10Lx2pcs
- 4.Chip cover
- 5.Vise locked block-4pcs

Optional Accessories

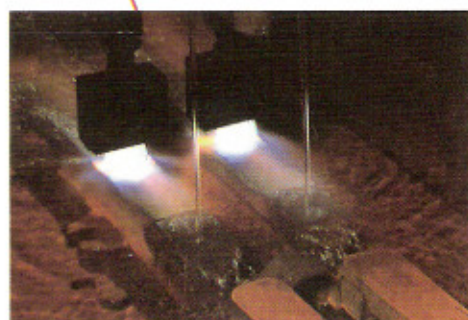
- 1.Special application jaw plates
- 2.Vise positioner
- 3.Swivel Base
- 4.Opening jaw plates



Ductile cast iron spring.



Microphotograph for ductile cast iron



ch has great resistance to bending
e to clamping to bring bend.

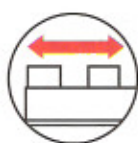
Ductile cast iron is fit to produce rigid precision items, which have three times strengthen than same grade vise due to used ductile cast iron.

The common contact face and slide face of movable parts both with good wear resistance of treat heatment (over HRC45°)

HERBERT



Powerful



Big opening



Paralleling



Prevent lifting

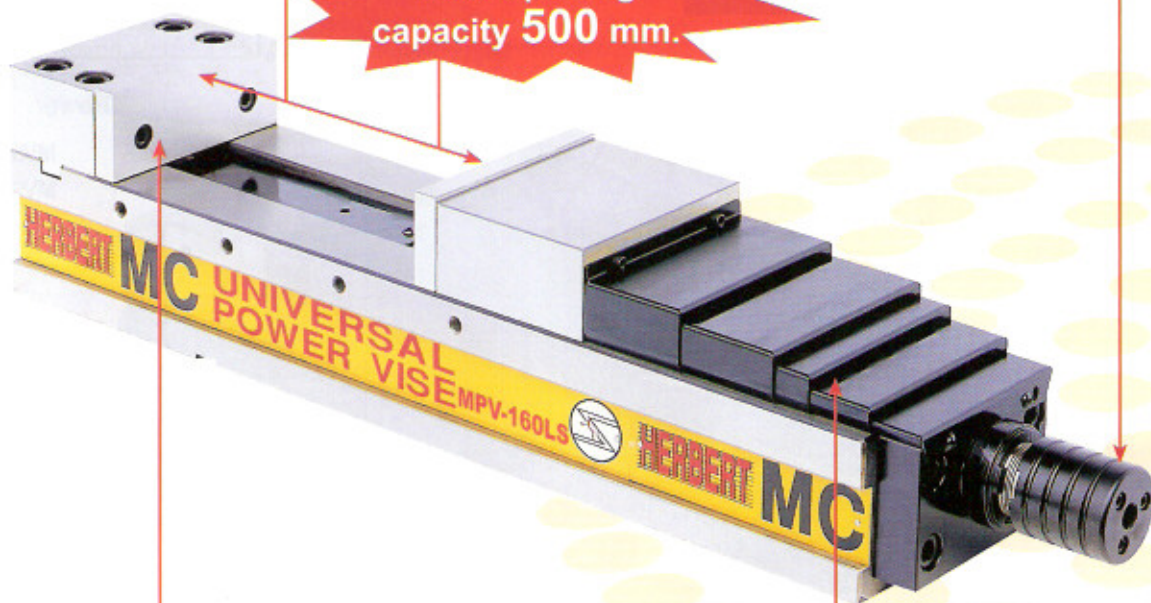
MC UNIVERSAL POWERFUL-TYPE PRECISION VICE

CORNER Most kindly design to considered every tiny point.

Double opening than those of same grade vice.
Can easy clamp longer work piece.

New development patented, oil-free powerful mechanical boost system, which gives greater clamping and never collapsing pressrue.

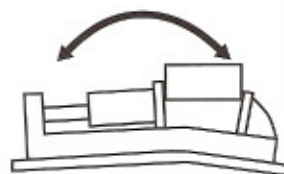
Max. opening capacity 500 mm.



Chip cover adopted, preventing chips falling into causing bad motion.

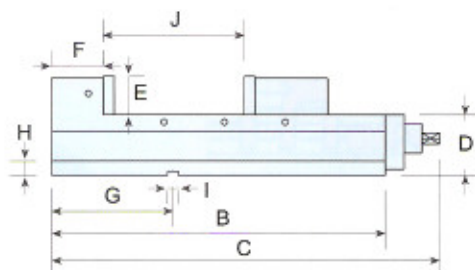
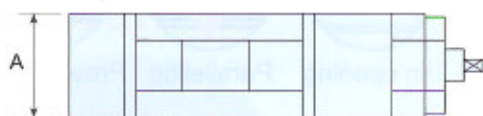
The jaw more deeper than those of same grade vice.. Can clamping higher work piece correctly.

Bend force.

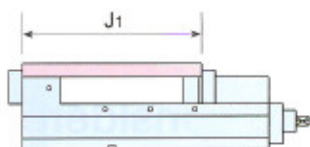
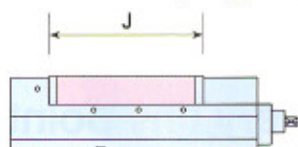


High strength. **High** accuracy.

Perpendicular rib structure strain of vice. It could ha



Four clamping way for choice



MODEL	A	B	C	D	E	F	G	H	I	J	J ₁	J ₂	J ₃	N.W.	G.W.	POWER
MPV-160LS	160	725	860	105	60	103	200	23	18	500	580	620	720	80kg	91kg	4400kgf
MPV-200LS	200	835	970	110	60	108	220	23	18	600	690	730	830	100kg	115kg	5500kgf

MODEL	A	B	C	D	E	F	G	H	I	J	J ₁	J ₂	J ₃	N.W.	G.W.	POWER
MPV-160L	160	1000	1130	105	60	103	200	23	18	750	850	890	1000	90kg	108kg	4400kgf
MPV-200L	200	1100	1230	110	60	108	220	23	18	840	940	990	1100	130kg	145kg	5500kgf

PATENT NUMBER
201150 249761

Max. opening capacity 750 mm.

This unit had prevent lifting structure, when clamping in down direction power also acting, so the workpiece and movable parts lift very small, furthermore, the body and solid jaw is a combination structure, it does not tilt.

The whole Swivel Base are made by Stainless Steel, with harden treatment, durable and high accurate.

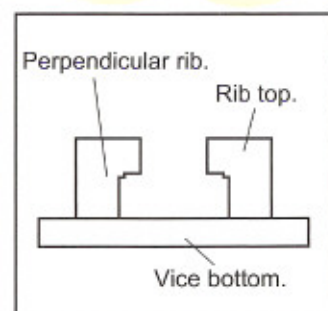
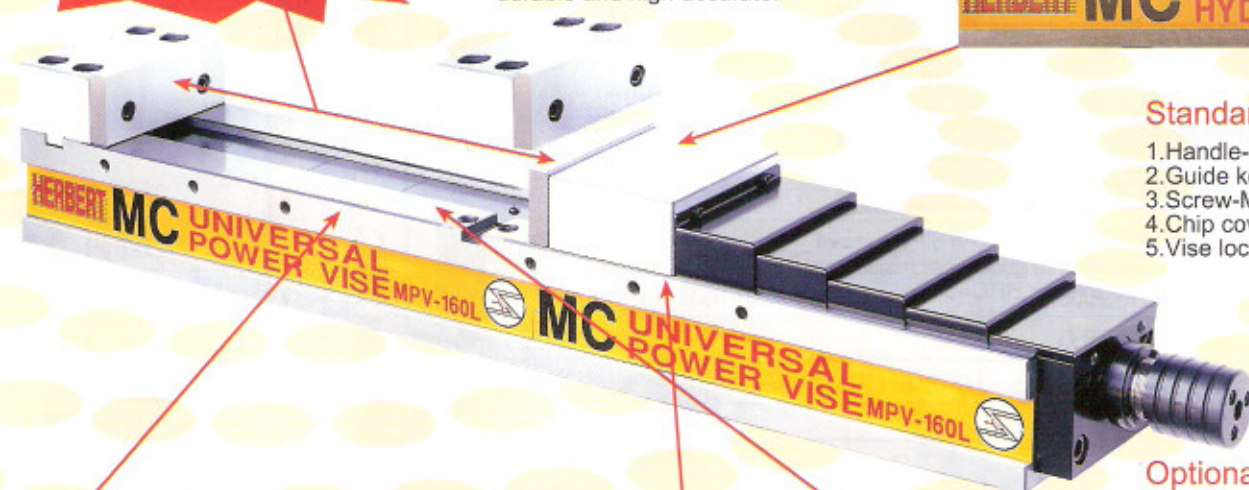


Standard Accessories

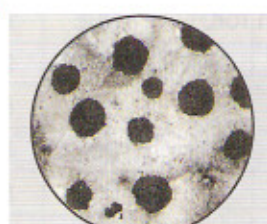
- 1.Handle-1 set
- 2.Guide key-2pcs
- 3.Screw-M6x10Lx2pcs
- 4.Chip cover
- 5.Vise locked block-8pcs

Optional Accessories

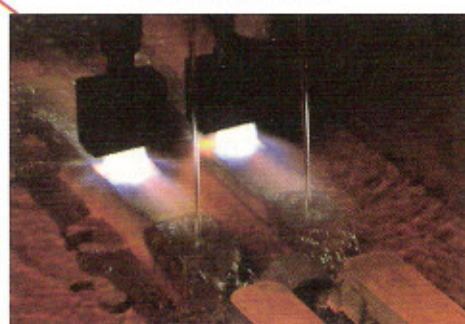
- 1.Special application jaw plates
- 2.Vise positioner
- 3.Swivel Base
- 4.Opening jaw plates
- 5.Sleeve spanner



Ductile cast iron spring.



Microphotograph for ductile cast iron



has great resistance to bending to clamping to bring bend.

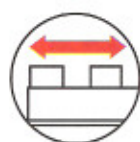
Ductile cast iron is fit to produce rigid precision items, which have three times strengthen than same grade vise due to used ductile cast iron.

The common contact face and slide face of movable parts both with good wear resistance of treat heatment (over HRC45°)

HERBERT



Powerful



Big opening



Paralleling



Prevent lifting

MC UNIVERSAL ANGLE-FIXED AND POWERFUL-TYPE ONE-UNIT VERTICAL PRECISION VISE

CORNER Most kindly design to considered every tiny point.

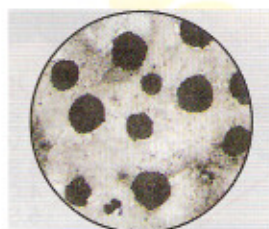
Note : If opening 300mm need dismantle chip cover.



- This unit had prevent lifting structure, when clamping in down direction power also acting, so the workpiece and movable parts lift very small, furthermore, the body and solid jaw is a combination structure, it does not tilt.



- The common contact face and slide face of movable parts both with good wear resistance of treat heatment (over HRC45°)



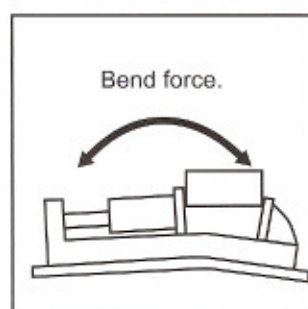
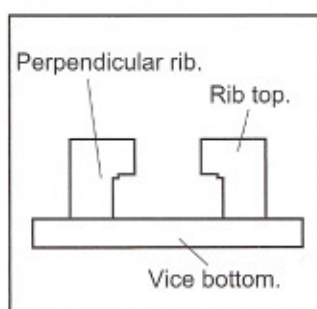
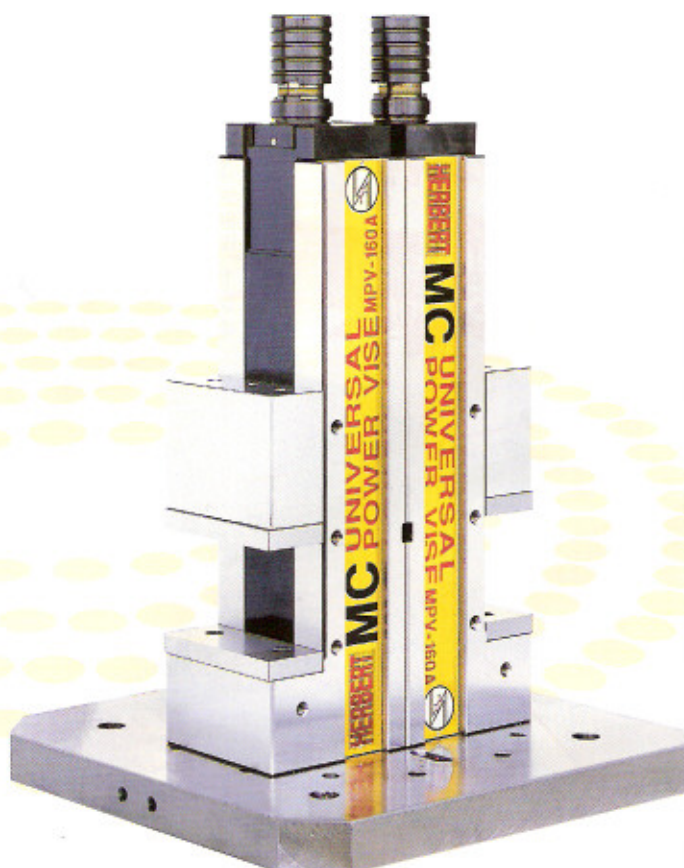
Microphotograph for ductile cast iron



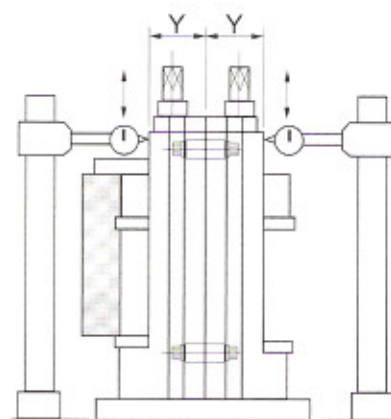
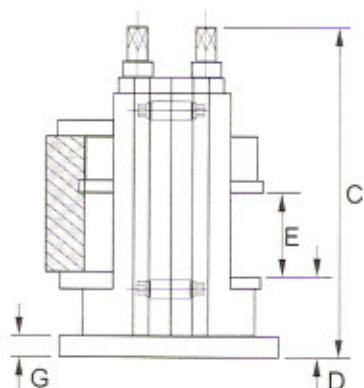
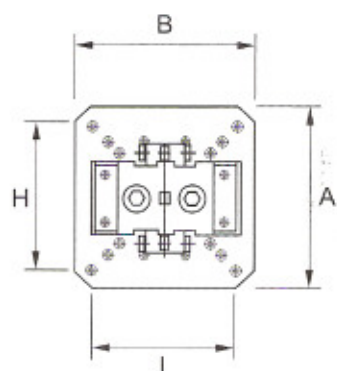
Ductile cast iron spring.

- Ductile cast iron is fit to produce rigid precision items, which have three times strengthen than same grade vise due to used ductile cast iron.

High strength. High accuracy.



- Perpendicular rib structure which has great resistance to bending strain of vise. It could hardly due to clamping to bring bend.

POWERFUL**MPV****HYDRAULIC****MHV****MECHANICAL****MB**

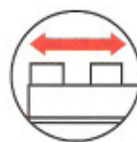
NO	TEST ITEM	GURARANTEED	REMARK
1	Both vise jaw plate parallel wiithin 0.02mm	0.020mm	-
2	Vise "Y" omension with 0.020mm	0.020mm	-
3	Vise on bottom of vise bed square within 0.010mm/100mm	0.010/100mm	-

MODEL	A	B	C	D	E	F	G	H	I	POWER
MB-100 2V	300	300	530	120	150	45	40	200	200	-
MB-130 2V	300	300	580	125	200	50	40	200	200	-
MB-160 2V	400	400	680	143	280	60	40	320	320	-
MB-200 2V	400	400	730	148	300	70	40	320	320	-
MHV-100 2V	300	300	570	120	145	45	40	200	200	4000kgf
MHV-130 2V	300	300	620	125	190	50	40	200	200	4500kgf
MHV-160 2V	400	400	720	143	265	60	40	320	320	5000kgf
MHV-200 2V	400	400	770	148	300	70	40	320	320	5500kgf
MPV-100 2V	300	300	570	120	150	45	40	200	200	4000kgf
MPV-130 2V	300	300	620	125	200	50	40	200	200	4500kgf
MPV-160 2V	400	400	720	143	280	60	40	320	320	5000kgf
MPV-200 2V	400	400	770	148	300	70	40	320	320	5500kgf

HERBERT



Powerful



Big opening



Paralleling



Prevent lifting

MC MECHANICAL-TYPE PRECISION VICE

CORNER Most kindly design to considered every tiny point.

Note : If opening 300mm need dismantle chip cover.



- This unit had prevent lifting structure, when clamping in down direction power also acting, so the workpiece and movable parts lift very small, furthermore, the body and solid jaw is a combination structure, it does not tilt.



- The common contact face and slide face of movable parts both with good wear resistance of treat heatment (over HRC45°)



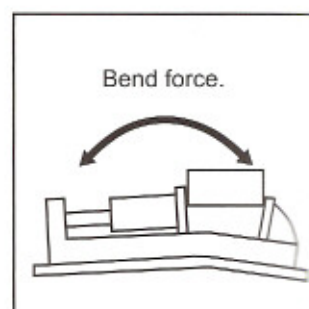
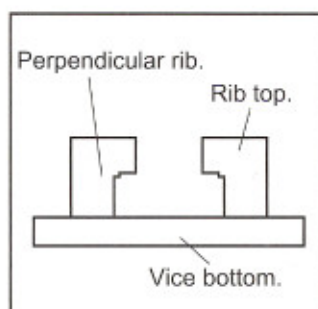
Microphotograph for ductile cast iron



Ductile cast iron spring.

- Ductile cast iron is fit to produce rigid precision items, which have three times strengthen than same grade vise due to used ductile cast iron.

High strength. High accuracy



- Perpendicular rib structure which has great resistance to bending strain of vise. It could hardly due to clamping to bring bend.

'LOCK-TIGHT' MACHINE VISES

POWERFUL



MPV

HYDRAULIC

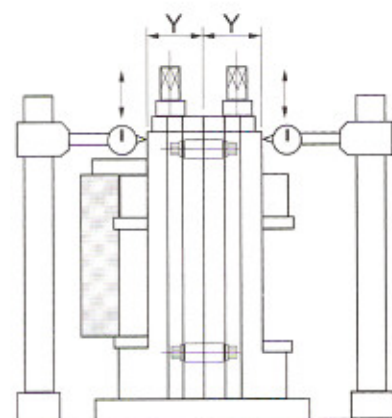
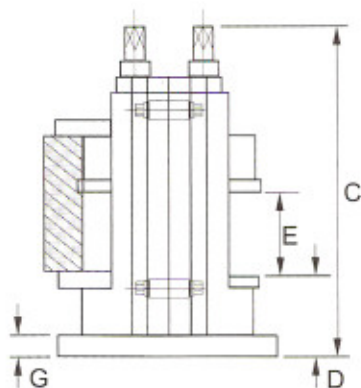
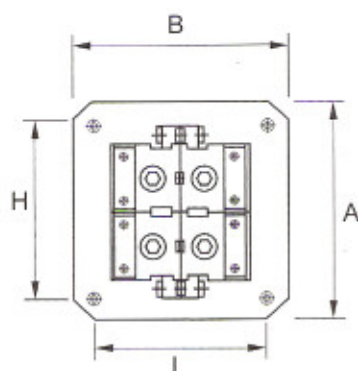


MHV

MECHANICAL



MB



NO	TEST ITEM	GURARANTEED	REMARK
1	Both vise jaw plate parallel wiithin 0.02mm	0.020mm	-
2	Vise "Y" omension with 0.020mm	0.020mm	-
3	Vise on bottom of vise bed square within 0.010mm/100mm	0.010/100mm	-

MODEL	A	B	C	D	E	F	G	H	I	POWER
MB-100 4V	400	400	530	120	150	45	40	320	320	-
MB-130 4V	400	400	580	125	200	50	40	320	320	-
MB-160 4V	500	500	680	143	280	60	40	400	400	-
MB-200 4V	500	500	730	148	300	70	40	400	400	-
MHV-100 4V	400	400	570	120	145	45	40	320	320	4000kgf
MHV-130 4V	400	400	620	125	190	50	40	320	320	4500kgf
MHV-160 4V	500	500	720	143	265	60	40	400	400	5000kgf
MHV-200 4V	500	500	770	148	300	70	40	400	400	5500kgf
MPV-100 4V	400	400	570	120	150	45	40	320	320	4000kgf
MPV-130 4V	400	400	620	125	200	50	40	320	320	4500kgf
MPV-160 4V	500	500	720	143	280	60	40	400	400	5000kgf
MPV-200 4V	500	500	770	148	300	70	40	400	400	5500kgf

HERBERT



Powerful



Big opening



Paralleling



Prevent lifting

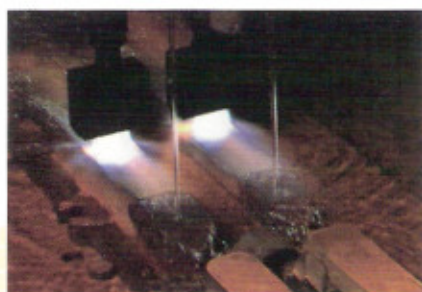
MC MECHANICAL-TYPE PRECISION VICE

CORNER Most kindly design to considered every tiny point.

Note : If opening 300mm need dismantle chip cover.



- This unit had prevent lifting structure, when clamping in down direction power also acting, so the workpiece and movable parts lift very small, furthermore, the body and solid jaw is a combination structure, it does not tilt.



- The common contact face and slide face of movable parts both with good wear resistance of treat heatment (over HRC45°)



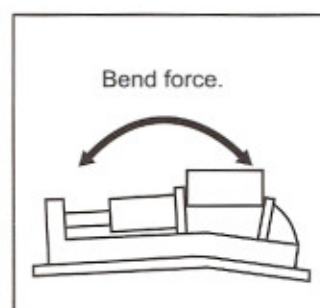
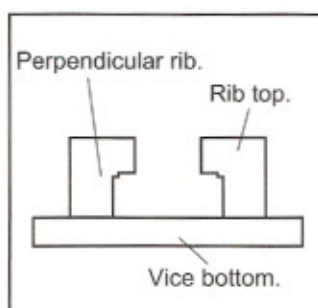
Microphotograph for ductile cast iron



Ductile cast iron spring.

- Ductile cast iron is fit to produce rigid precision items, which have three times strengthen than same grade vise due to used ductile cast iron.

High strength. **High** accuracy.



- Perpendicular rib structure which has great resistance to bending strain of vice. It could hardly due to clamping to bring bend.

'LOCK-TIGHT' MACHINE VISES

POWERFUL



MPV

HYDRAULIC

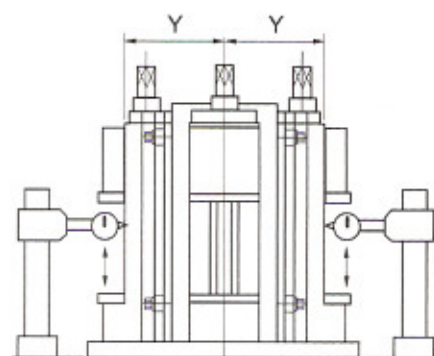
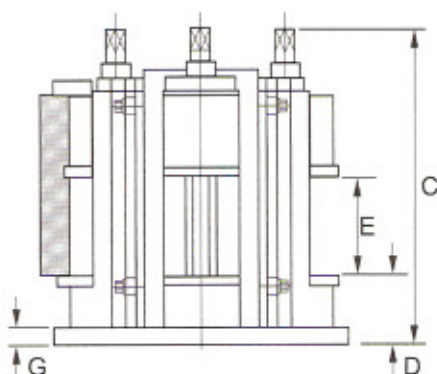
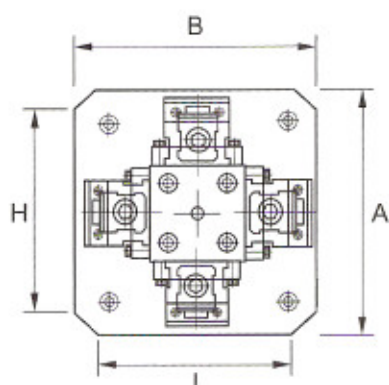


MHV

MECHANICAL



MB



NO	TEST ITEM	GURARANTEED	REMARK
1	Both vise jaw plate parallel wiithin 0.02mm	0.020mm	-
2	Vise "Y" omension with 0.020mm	0.020mm	-
3	Vise on bottom of vise bed square within 0.010mm/100mm	0.010/100mm	-

MODEL	A	B	C	D	E	F	G	H	I	POWER
MB-100 4VL	450	450	530	120	150	45	40	320	320	-
MB-130 4VL	500	500	580	125	200	50	40	400	400	-
MB-160 4VL	500	500	680	143	280	60	40	400	400	-
MB-200 4VL	600	600	730	148	300	70	40	500	500	-
MHV-100 4VL	450	450	570	120	145	45	40	320	320	4000kgf
MHV-130 4VL	500	500	620	125	190	50	40	400	400	4500kgf
MHV-160 4VL	500	500	720	143	265	60	40	400	400	5000kgf
MHV-200 4VL	600	600	770	148	300	70	40	500	500	5500kgf
MPV-100 4VL	450	450	570	120	150	45	40	320	320	4000kgf
MPV-130 4VL	500	500	620	125	200	50	40	400	400	4500kgf
MPV-160 4VL	500	500	720	143	280	60	40	400	400	5000kgf
MPV-200 4VL	600	600	770	148	300	70	40	500	500	5500kgf

HERBERT



Powerful



Big opening



Paralleling



Prevent lifting

MC UNIVERSAL ANGLE-FIXED AND POWERFUL-TYPE TWO-AND FOUR-UNIT VERTICAL PRECISION VICE WITH FOUR VERTICAL CLAMPING BARRELS

CORNER Most kindly design to considered every tiny point.



This unit had prevent lifting structure, when clamping in down direction power also acting, so the workpiece and movable parts lift very small, furthermore, the body and solid jaw is a combination structure, it does not tilt.

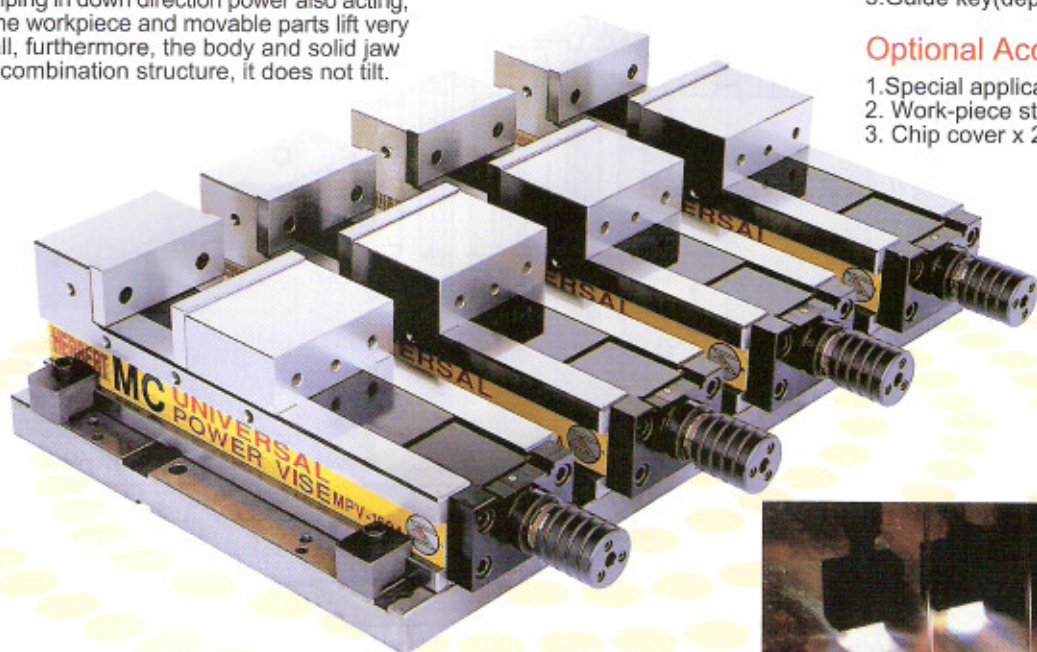
High strength. High accuracy

Standard Accessories

1. Handlex 2, 3, 4 set
2. Sub plate x 1 pc
3. Guide key (depends on vises)

Optional Accessories

1. Special application jaw plates
2. Work-piece stopper
3. Chip cover x 2, 3, 4 sets

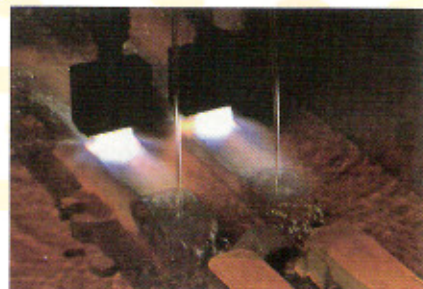


Microphotograph for ductile cast iron

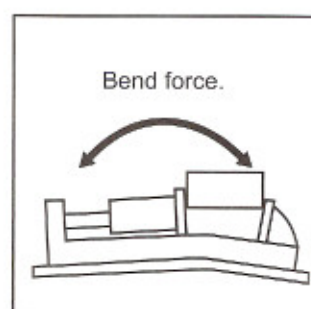
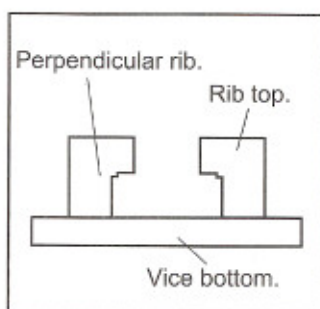


Ductile cast iron spring.

Ductile cast iron is fit to produce rigid precision items, which have three times strength than same grade vise due to used ductile cast iron.



The common contact face and slide face of movable parts both with good wear resistance of treatment (over HRC45°)



Perpendicular rib structure which has great resistance to bending strain of vise. It could hardly due to clamping to bring bend.

POWERFUL



MPV

HYDRAULIC

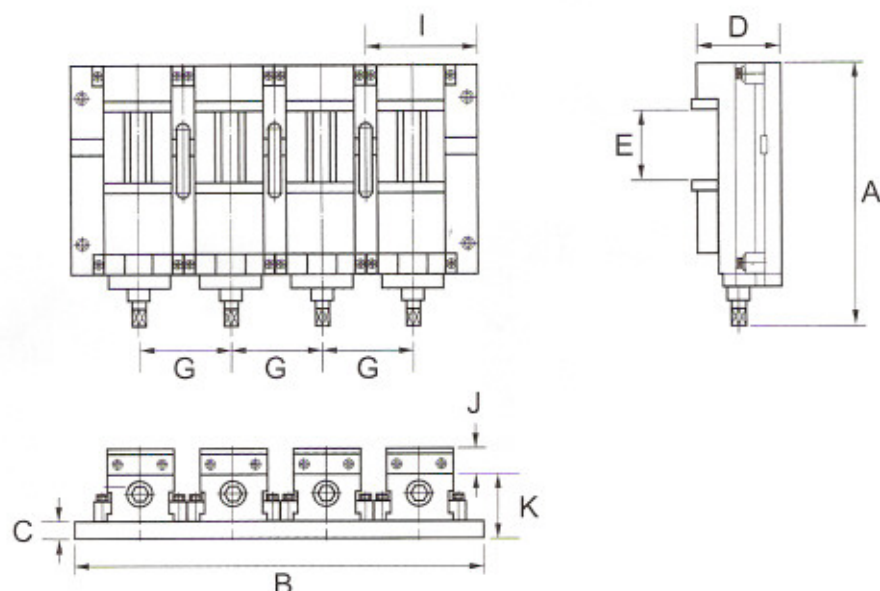


MHV

MECHANICAL



MB



NO	TEST ITEM	GURARANTEED	REMARK
1	Both vise jaw plate parallel wiithin 0.02mm	0.020mm	-
2	Vise "Y" omension with 0.020mm	0.020mm	-
3	Vise on bottom of vise bed square within 0.010mm/100mm	0.010/100mm	-

MODEL	A	B	C	D	E	F	G	H	I	J	K	POWER
MPV-100 2S	530	500	30	165	150	500	300	250	250	45	120	4000kgf
MPV-100 3S	530	500	30	165	150	500	150	200	200	45	120	4000kgf
MPV-100 4S	530	650	35	165	150	500	150	200	200	45	125	4000kgf
MPV-130 2S	580	600	35	175	200	550	360	250	250	50	125	4500kgf
MPV-130 3S	580	600	35	175	200	550	180	230	230	50	125	4500kgf
MPV-130 4S	580	750	40	175	200	550	180	230	230	50	130	4500kgf
MPV-160 2S	680	720	45	205	280	650	440	250	250	60	145	5000kgf
MPV-160 3S	680	720	45	205	280	650	220	260	260	60	145	5000kgf
MPV-160 4S	680	900	45	205	280	650	220	260	260	60	145	5000kgf
MPV-200 2S	730	750	50	225	300	700	450	250	250	70	155	5500kgf
MPV-200 3S	730	900	50	225	300	700	300	300	300	70	155	5500kgf
MPV-200 4S	730	1200	50	225	300	700	300	300	300	70	155	5500kgf

HERBERT

POWERFUL AND MECHANICAL POWER VICE

ISO-9001:2000



Powerful



Prevent lifting

Double opening than conventional vice. There are three travel clamping range which can be adjusted according to the size, and clamp the longer workpiece easily.

The jaw more deeper than those of same grade vice. Can clamping higher workpiece correctly.

Non-trouble hydraulic pump of new development patented which gives greater clamping force easily.

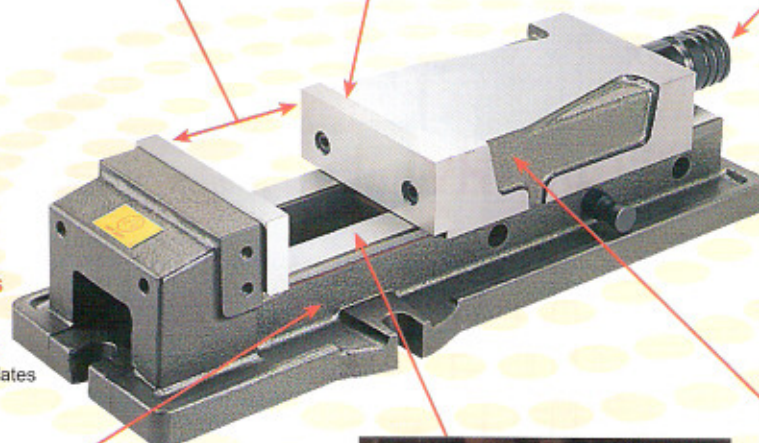
The whole Swivel Base are made by Stainless Steel, with harden treatment, durable and high accurate.

Standard Accessories

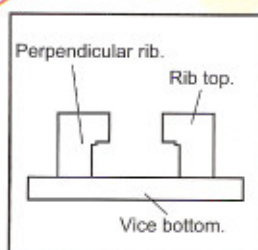
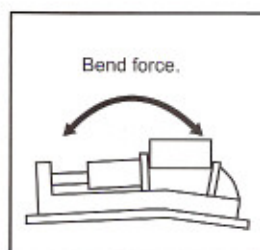
1.Handle-1 set

Optional Accessories

- 1.Special application jaw plates
- 2.Vise positioner
- 3.Swivel Base



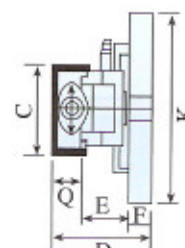
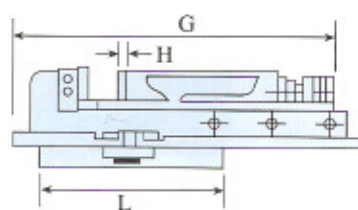
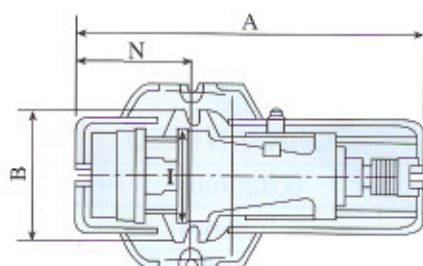
● Ductile cast iron spring.



● Heat treatment (over HRC45°).



● This unit had prevent lifting structure.



MODEL	A	B	C	D	E	F	G	H	I	J	K	L	STROKE OPENING			Q	Body weight	Base weight	POWER
													N	O	P				
HB-170	620	240	170	183	80	39	500-850	18	220	300	340	320	0-100	98-200	195-300	64	58kg	15kg	4000kg

No.	Item	Jisgrade 1	Guaranteed	1	2	3	4	5	6	7	8
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	Keyways on bottom of vise bed parallel to clamping surface of jaw plate.	0.020 100mm	0.015 100mm								
4	Swivel base parallel.	0.020 100mm	0.015 100mm								
5	Surface of vise bed parallel to bottom of vise body.	0.020 100mm	0.015 100mm								
6	Top of rectangular test block clamped tightly by jaw parallel to bottom of vise body.	0.030 100mm	0.020 100mm								
7	Clamping surface of jaw palatte perpendicular to vise bed, the angle always being less than 90°.	0.050 100mm	0.030 100mm								
8	Top of rectangular test block clamped tightly by jaws parallel to bottom of swivel base.	0.040 100mm	0.030 100mm								



Powerful



Prevent lifting

ISO-9001:2000

Double opening than conventional vice. There are three travel clamping range which can be adjusted according to the size, and clamp the longer workpiece easily

The jaw more deeper than of same grade vice. Can clamping higher workpiece correctly.

Non-trouble hydraulic pump of new development patented which gives greater clamping force easily.

**JAW HEIGHT
63mm**

**JAW WIDTH
170mm**

The whole Swivel Base are made by Stainless Steel, with harden treatment, durable and high accurate.

Standard Accessories

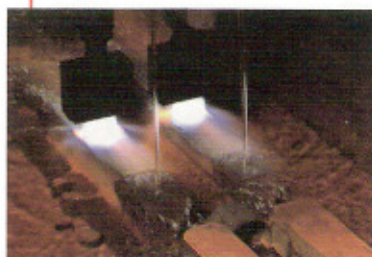
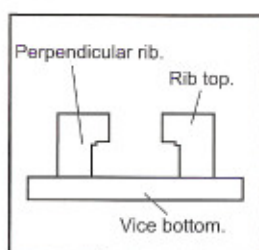
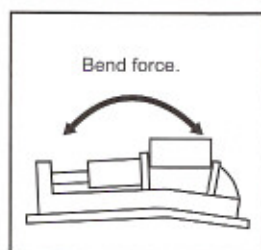
1. Handle-1 set

Optional Accessories

1. Special application jaw plates
2. Vice positioner
3. Swivel Base



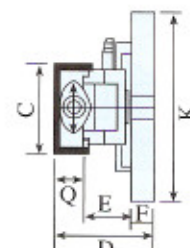
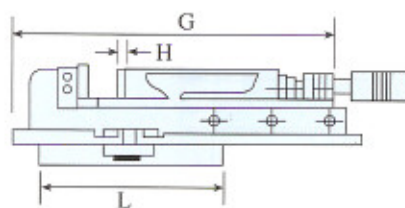
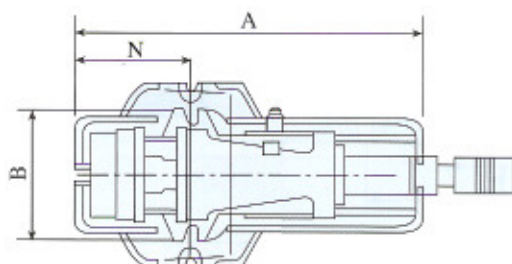
● Ductile cast iron spring.



● Heat treatment (over HRC45°).



● This unit had prevent lifting structure.



MODEL	A	B	C	D	E	F	G	H	I	J	K	L	STROKE OPENING			Q	Body weight	Base weight	POWER
													N	O	P				
HBC-170	620	240	170	183	80	39	500-1050	18	220	300	340	320	0-100	98-200	195-300	64	58kg	15kg	4000kg

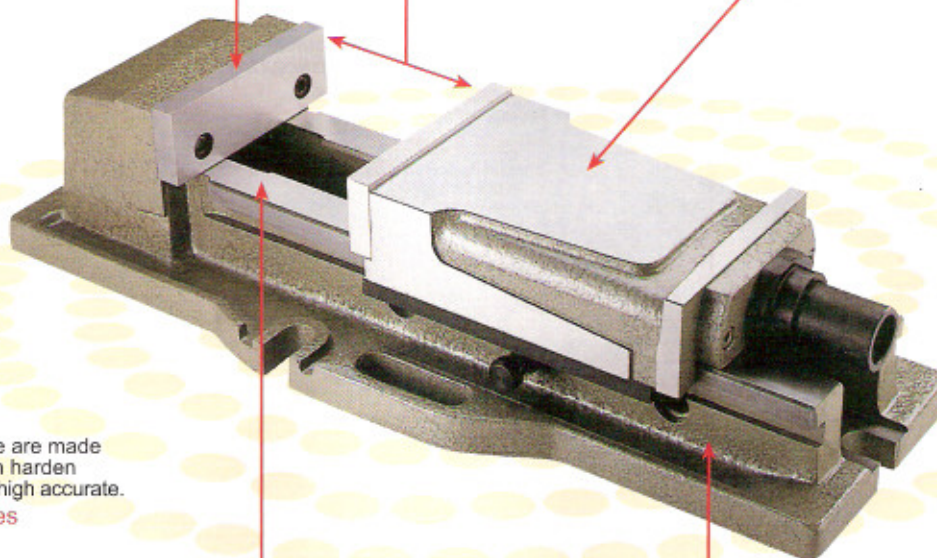


Powerful

The jaw more deeper than those of same grade vice. Can clamping higher workpiece correctly. There are three travel clamping range which can be adjusted according to the size.

Double opening than conventional vice. Can clamping longer workpiece easily.

Non-trouble hydraulic pump of new development patented which gives greater clamping force easily.



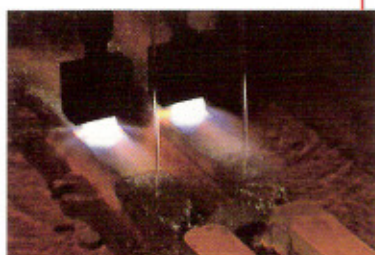
The whole Swivel Base are made by Stainless Steel, with harden treatment, durable and high accurate.

Standard Accessories

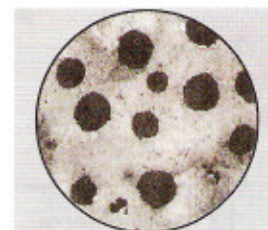
1.Handle-1 set

Optional Accessories

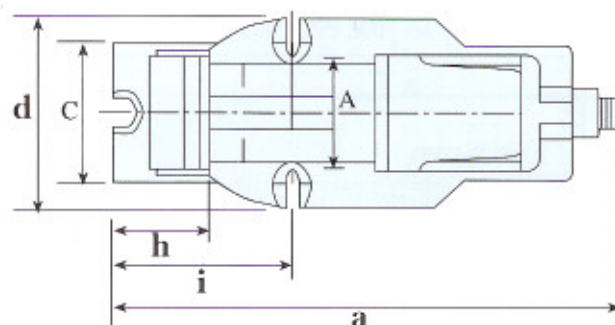
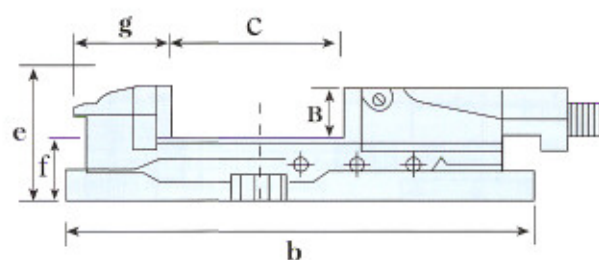
- 1.Special application jaw plates
- 2.Vise positioner
- 3.Swivel Base



● Heat treatment (over HRC45°).



● Material: ductile iron FCD-60.



MODEL	A	B	C	a	b	c	d	e	f	g	h	i	STROKE OPENING			POWER	Body weight	Base weight
													X	Y	Z			
HV-150	150	51	300	800	620	200	240	133	82	116	125	247	0-100	98-200	195-300	4400kgf	54kg	16kg



Hydraulic

ISO-9001:2000

Vice jaw had manufactured by alloy steel which treated harden process and precision ground.

Vice body had manufactured by high ductile cast iron, which has resistance of bending and tilting when clamping, the slide face treated harden process and precision ground.

Patented new device hydraulic cylinder, provided steady clamping force to resist vibration and tremble, Convenience for maintain also handling.

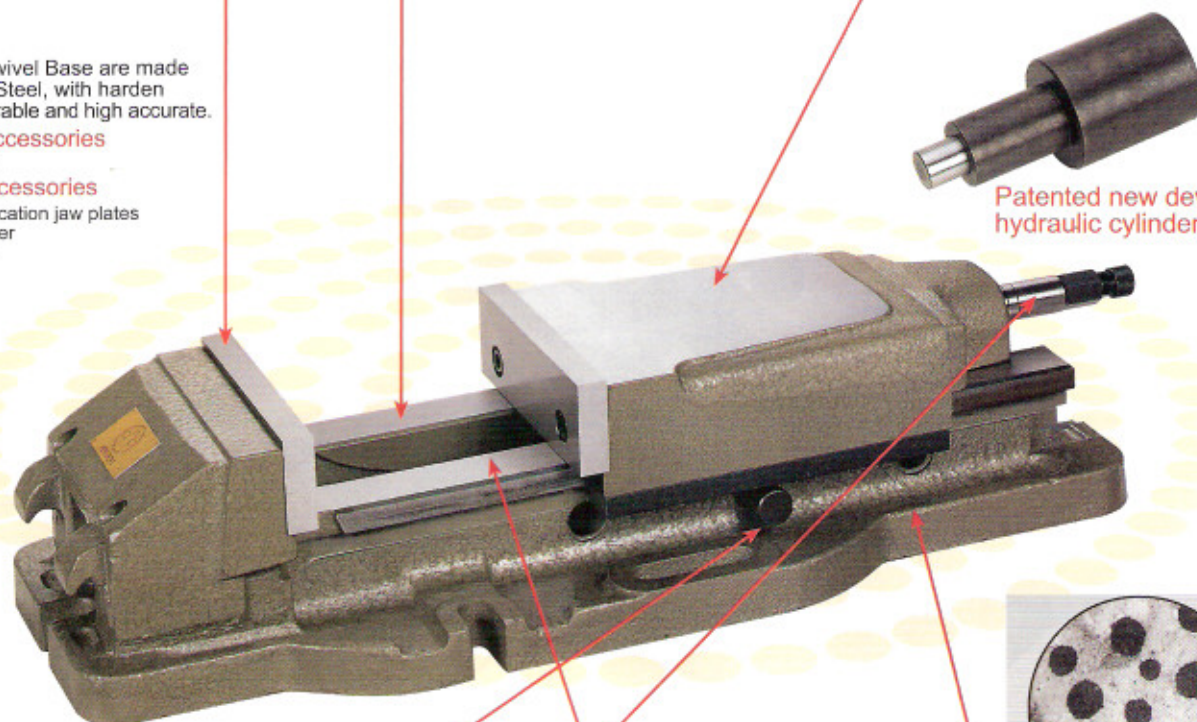
The whole Swivel Base are made by Stainless Steel, with harden treatment, durable and high accurate.

Standard Accessories

1.Handle-1 set

Optional Accessories

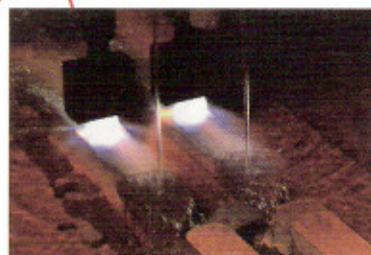
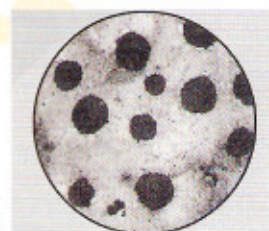
- 1.Special application jaw plates
- 2.Vise positioner
- 3.Swivel Base



Patented new device hydraulic cylinder

There are three travel clamping ranges, which can be adjusted according to the size of the workpiece. When adjust to third hole that clamping length bigger than conventional vice.

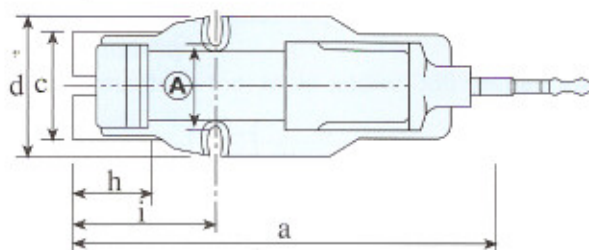
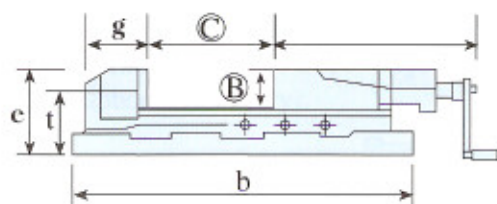
Hydraulic clamping force can be free adjusted from the graduation of hydraulic bar, and will be magnify clamping force by propeller to produce unrivalled clamping force.



Heat treatment (over HRC45°).



Material: ductile iron FCD-60.



MODEL	Ⓐ	Ⓑ	Ⓒ	a	b	c	d	e	f	g	h	i	POWER	Body weight	Base weight
HS-100	100	36	170	525	430	130	160	94	60	78	100	155	2500kg	16kg	6kg
HS-125	125	46	220	670	540	165	185	118	72	97	117	185	3500kg	32kg	10kg
HS-150	150	51	300	800	620	200	240	133	82	116	125	247	4400kg	54kg	16kg
HS-200	200	62	300	900	700	240	280	162	100	160	165	266	5500kg	95kg	30kg

The vice different from conventional vice, than can be adjusted angle of workpiece directly, perpendicular direction adjustable angle from 0° to 50°, which can read process angle accurately.

The whole Swivel Base are made by Stainless Steel, with harden treatment, durable and high accurate.

Standard Accessories

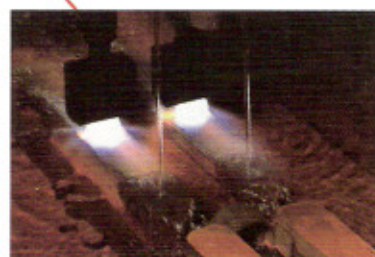
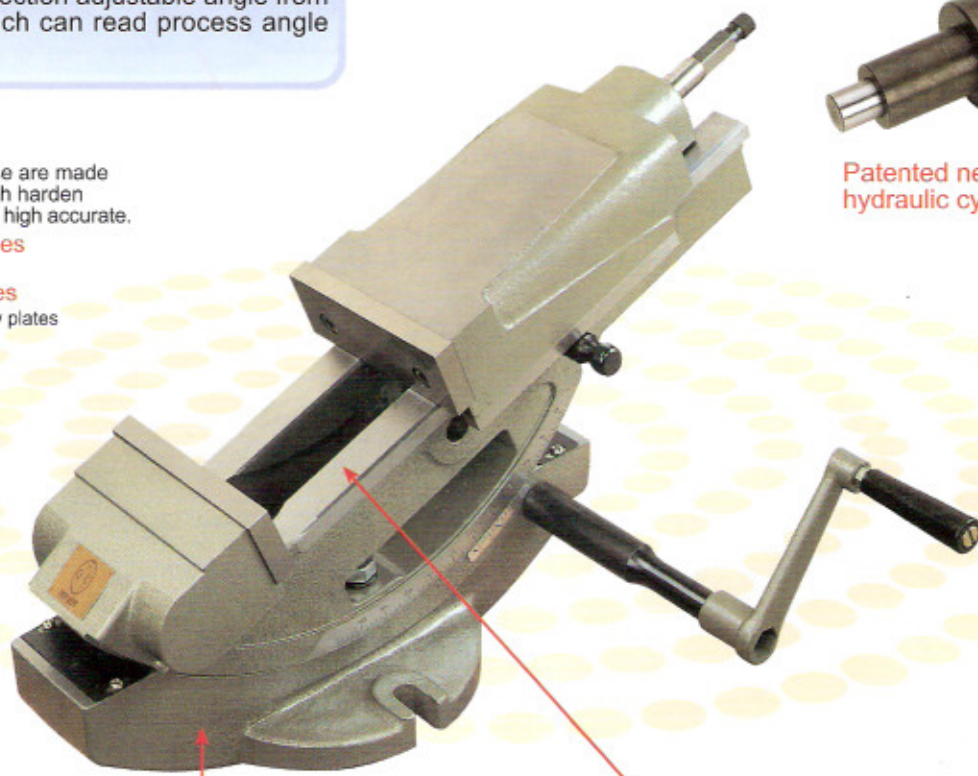
1. Handle-1 set

Optional Accessories

1. Special application jaw plates
2. Vise positioner
3. Swivel Base

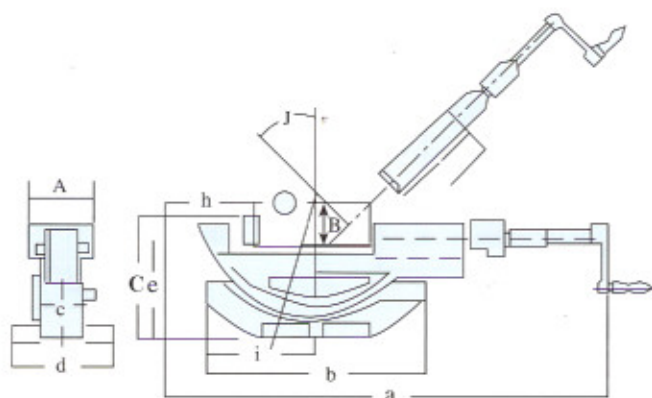


Patented new device
hydraulic cylinder

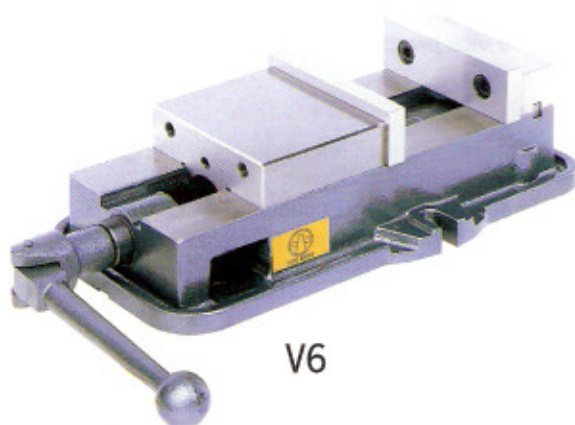


Material: ductile iron FCD-60.

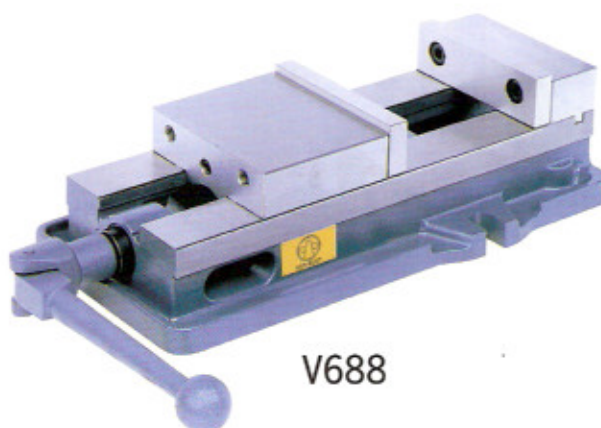
Heat treatment (over HRC45°).



MODEL	A	B	C	a	b	c	d	e	h	i	J	Body weight	Base weight	POWER
HN-100	100	36	170	525	330	65	162	177	90	172	50	24kg	6kg	2540kgf
HN-150	154	53	300	801	415	95	242	237	121	241	50	68kg	14kg	4400kgf



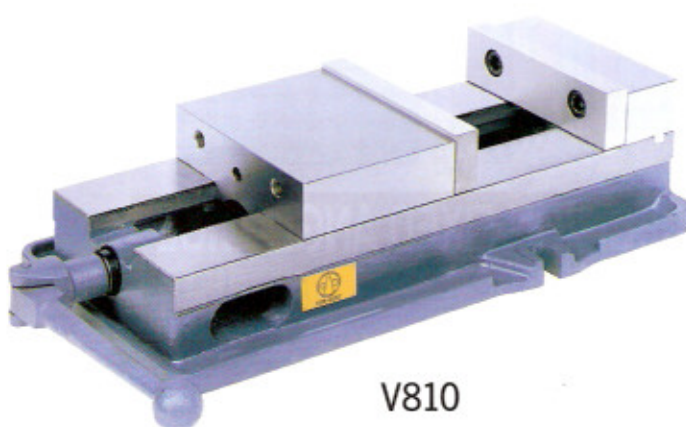
V6



V688



V690



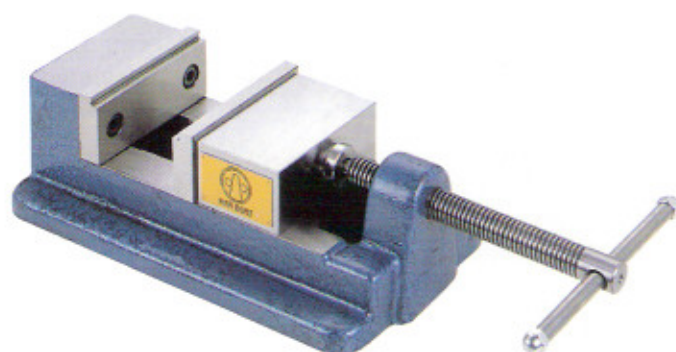
V810

FEATURES:

- Extra capacity 9" jaw opening.
- Lock down clamping design. Down clamping jaw design provides approx. 1/2 Lb. downward clamping force for every 1 Lb. horizontal clamping pressure.
- Oversized rigid and hardened main lead screw design allows , for higher torque loads and clamping force. Combination of angular thrust bearings and precision roller bearings for true alignment with high torque loads.
- Jaw plate accepts a variety of popular shaped replacement Jaws.
- High accuracy of parallelism (From top of bed jaw ways to bottom of bed base): *0.0004" per 4".
- Parallelism and perpendicularity of vise jaws: *0.002"
- Base of vise precision cast from fine grained stress relieved FC30 cast iron with induction hardening (Rc50+) then precision ground jaw ways for long term trouble free accuracy. Jaws manufactured from high frequency steel alloys then induction hardened for added strength, hardness and durability.
- Coolant trough cast into base. Lugs cast into base for claming to machine tool table and/or 360 degree swivel base (Optional Ccessory).

MODEL		V6	V688	V690	V810
JAW	Open Max (in.)	7-5/8"	8.8"	9"	10"
	Depth (in.)	1-7/8"	1-3/4"	2"	2.2"
	width (in.)	6-1/4"	6"	6"	8"
Height (in.)		4-3/4"	4-5/8"	4.88"	7.47"
OAL (in.)		19"	17.63"	18"	21.8"
Overall Width (in.)		9-7/16"	9.13"	9.13"	11.5"
Weight (lbs.)		79	86	88	150

FIXED ANGLE VICE



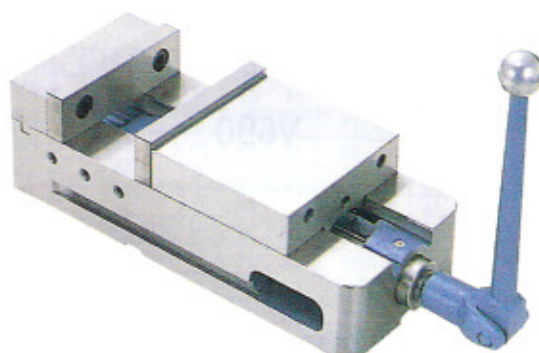
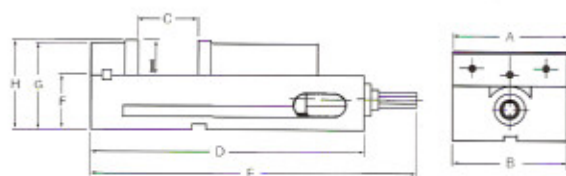
Vice bottom and sliding surface parallelism within 0.03mm/m.
Vice bottom and vice jaw perpendicularity within 0.03mm/m.

Features:

1. Lock down jaw mechanism, eliminates jaw lifting and workpiece titling.
2. High tensile spheroid graphite cast iron FCD-45.
3. Vice bottom and sliding ways are precision ground.
4. Vice jaw designed by L type, hardened to HRC52 and precision ground.
5. Most suitable for precision drill process.

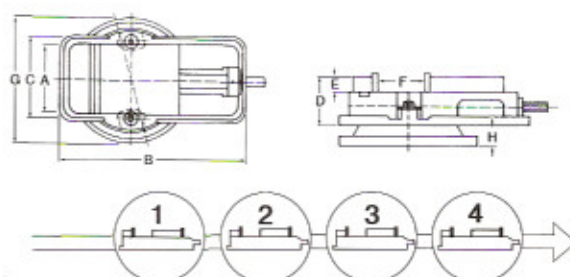
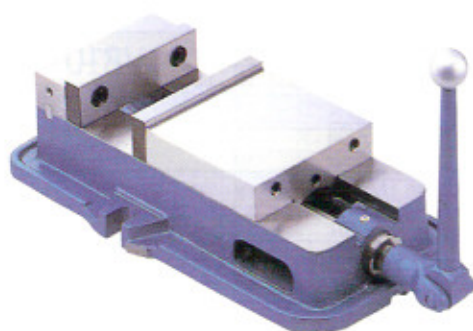
MODEL	JAW HEIGHT	JAW WIDTH	RANGE	WEIGHT
HMQ-100(4")	43	100	95/105	6.0kg
HMQ-125(5")	44	130	100/110	8.2kg
HMQ-150(6")	44	160	105/115	10.1kg

PRECISION FIXED ANGLE VICE

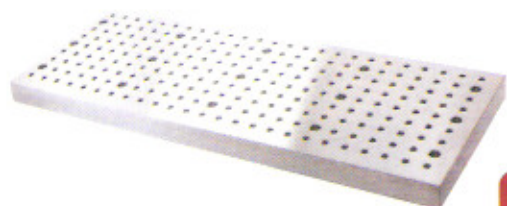


MODEL	A	B	C	D	E	F	G	H	I
HT/150	154	157	145	365	430	73	111	117	44

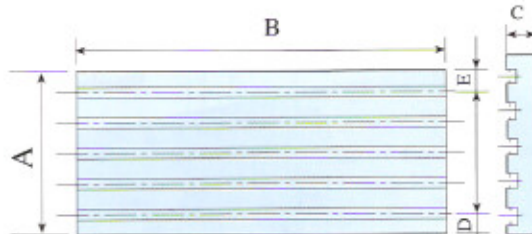
FIXED ANGLE VICE



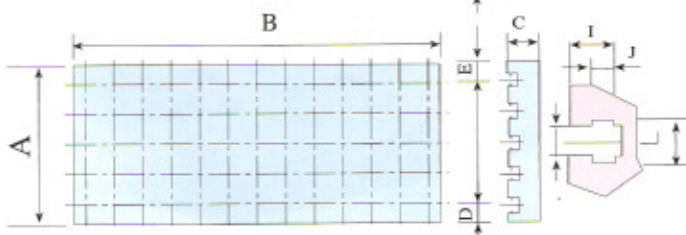
MODEL	A	B	C	D	E	F	G	H
BT/100	102	325	180	90	30	110	235	32
BT/150	150	420	240	117	44	150	300	42
BT/200	204	545	300	152	65	200	375	45



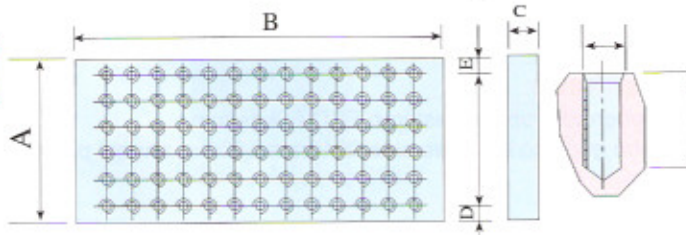
HT



HC



HH



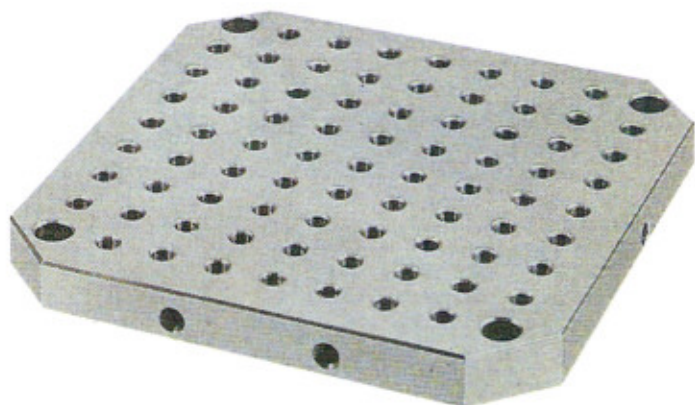
Features:

Spheroid graphite cast iron FCD-60kgs/mm.
Fine grinding both two side 0010mm/500mm
anneal processing.

Accept special size ord

MODEL	A	B	C
HT300X600X70	300	600	70
HT350X800X75	350	800	75
HT400X950X75	400	950	75
HT410X900X75	410	900	75
HT450X900X75	450	900	75
HT500X1000X80	500	1000	80
HT510X850X75	510	850	75
HT510X1000X75	510	1000	75
HT510X1200X75	510	1200	75
HT510X1300X75	510	1300	75
HT550X1200X80	550	1200	80
HT600X1200X80	600	1200	80
HT600X1500X80	600	1500	80
HT650X1600X80	650	1600	80
HT650X1700X80	650	1700	80
HT700X1700X80	700	1700	80
HT800X2300X85	800	2300	85
HT850X2100X85	850	2100	85
HT850X2300X85	850	2300	85
HT900X2400X85	900	2400	85
HC300X600X70	300	600	70
HC350X800X75	350	800	75
HC400X950X75	400	950	75
HC410X900X75	410	900	75
HC450X900X75	450	900	75
HC500X1000X80	500	1000	80
HC510X850X75	510	850	75
HC510X1000X75	510	1000	75
HC510X1200X75	510	1200	75
HC510X1300X75	510	1300	75
HC550X1200X80	550	1200	80
HC600X1200X80	600	1200	80
HC600X1500X80	600	1500	80

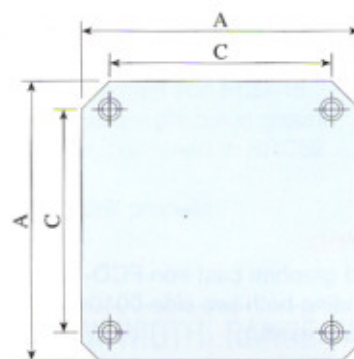
MODEL	A	B	C
HC650X1600X80	650	1600	80
HC650X1700X80	650	1700	80
HC700X1700X80	700	1700	80
HC800X2300X85	800	2300	85
HC850X2100X85	850	2100	85
HC850X2300X85	850	2300	85
HC900X2400X85	900	2400	85
HH300X600X70	300	600	70
HH350X800X75	350	800	75
HH400X950X75	400	950	75
HH410X900X75	410	900	75
HH450X900X75	450	900	75
HH500X1000X80	500	1000	80
HH510X850X75	510	850	75
HH510X1000X75	510	1000	75
HH510X1200X75	510	1200	75
HH510X1300X75	510	1300	75
HH550X1200X80	550	1200	80
HH600X1200X80	600	1200	80
HH600X1500X80	600	1500	80
HH650X1600X80	650	1600	80
HH650X1700X80	650	1700	80
HH700X1700X80	700	1700	80
HH800X2300X85	800	2300	85
HH850X2100X85	850	2100	85
HH850X2300X85	850	2300	85
HH700X2400X85	700	2400	85
HH340X510X30	340	510	30
HH340X660X30	340	660	30
HH405X600X35	405	600	35
HH405X780X35	405	780	35
HH495X720X40	495	720	40
HH495X940X40	495	940	40



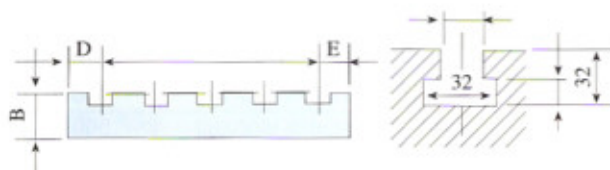
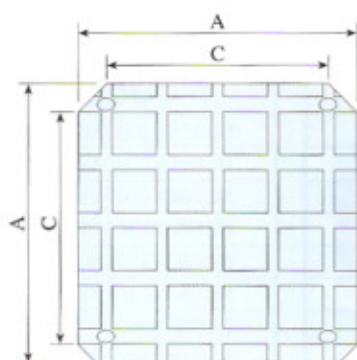
Features:

Spheroid graphite cast iron FCD-60kg/mm.
Fine grinding both two side 0010mm/500mm anneal processing.

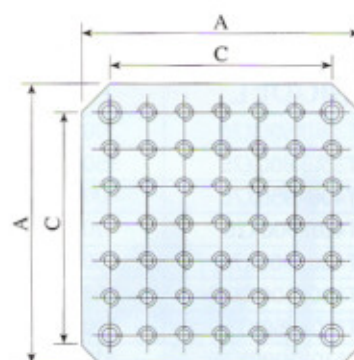
HP



HL



HM



Accept special size ord

MODEL	A	B	C	D	E	F	G
HP300X300X40	300	40	240				
HP400X400X40	400	40	320				
HP500X500X40	500	40	400				
HP600X600X45	600	45	500				
HP630X630X70	630	70	500				
HL400X400X70	400	70	320	40	40	80	18
HL500X500X70	500	70	400	50	50	100	18
HL630X630X70	630	70	500	65	65	65	18
HL800X800X70	800	70	600	80	80	100	18

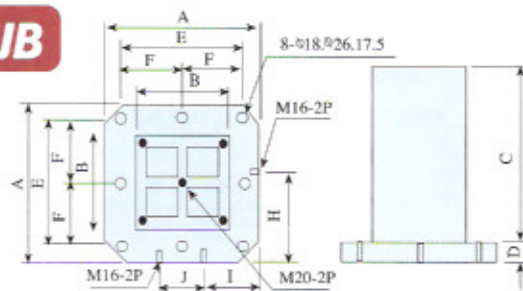
MODEL	A	B	C	D	E	F	G
HM300X300X40	300	40	240				
HM400X400X40	400	40	320				
HM500X500X40	500	40	400				
HM600X600X45	600	45	500				
HM630X630X70	630	70	500				
HM400X400X70	400	70	320				
HM500X500X70	500	70	400				
HM630X630X70	630	70	500				
HM800X800X70	800	70	600				



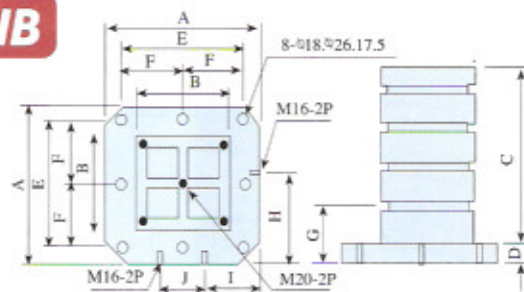
Features:

1. MATERIAL:FC300
2. Heat-treatment-annealing.
3. Suitable for horizontal machine center.

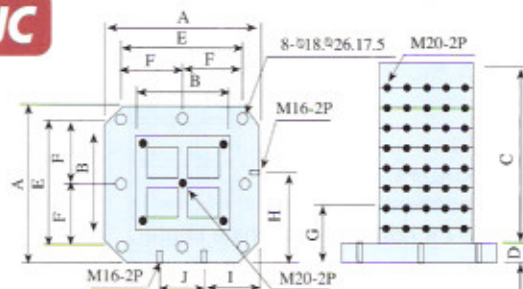
BJB



HIB



HJC



Accept special size ord

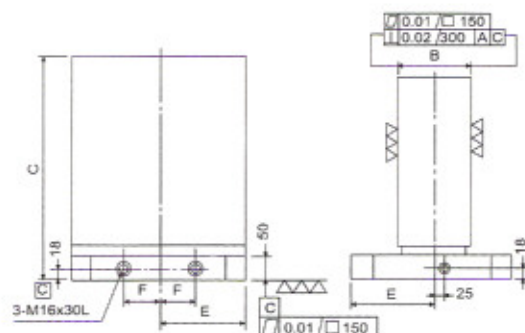
MODEL	A	B	C	D	E	F	G	H	I	J	K		
BJB500x300B	500	300	550	50	400	200		275	175	150			
BJB500x350B	500	350	500	50	400	200		275	175	150			
BJB630x350B	630	350	650	50	500	250		340	215	200			
BJB630x400B	630	400	650	50	500	250		340	215	200			
BJB630x500B	630	500	650	50	500	250		340	215	200			
BJB800x550B	800	550	800	50	640	320		425	265	270			
HIB500x300T	500	300	550	50	400	200	150	275	175	150	18	100X5	
HIB500x350T	500	350	500	50	400	200	150	275	175	150	18	100X5	
HIB630x350T	630	350	650	50	500	250	150	340	215	200	18	125X4	
HIB630x400T	630	400	650	50	500	250	150	340	215	200	18	125X5	
HIB630x500T	630	500	650	50	500	250	150	340	215	200	18	125X5	
HIB800x550T	800	550	800	50	640	320	150	425	265	270	18	150X5	
HJC500x300H	500	300	550	50	400	200	150	275	175	150	M16	100X5	
HJC500x350H	500	350	500	50	400	200	150	275	175	150	M16	100X5	
HJC630x350H	630	350	650	50	500	250	150	340	215	200	M16	100X4	
HJC630x400H	630	400	650	50	500	250	150	340	215	200	M16	100X6	
HJC630x500H	630	500	650	50	500	250	150	340	215	200	M16	100X6	
HJC800x550H	800	550	800	50	640	320	150	425	265	270	M16	100X7	



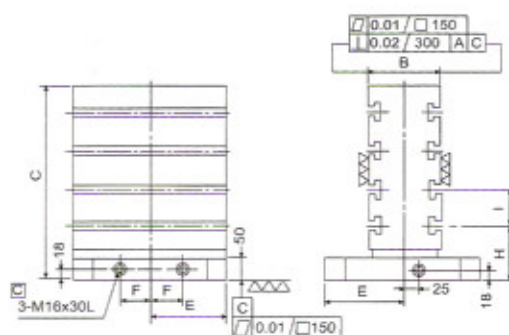
Features:

1. MATERIAL:FC300
2. Heat-treatment-annealing.
3. Suitable for horizontal machine center.

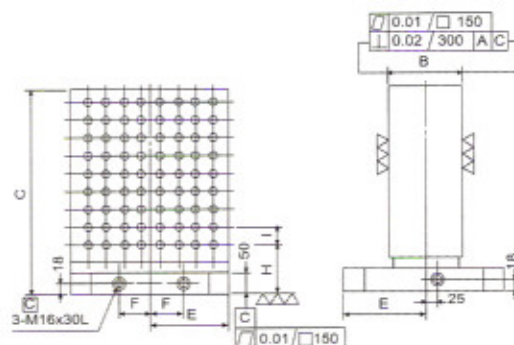
BCB



HCB



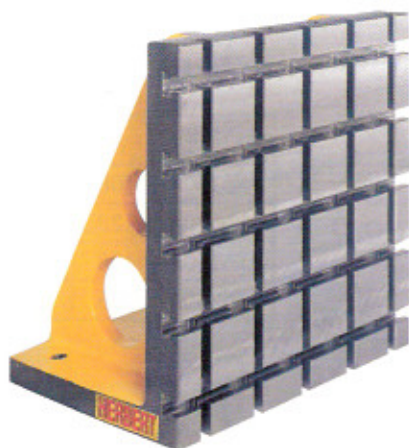
CBC



Accept special size ord

MODEL	A	B	C	D	E	F	G	H	I	J	
BCB-400x150x500P	400	150	500	320	200	55	50				
BCB-500x200x600P	500	200	600	400	250	75	60				
BCB-630x250x700P	630	250	700	500	315	100	65				
BCB-800x300x800P	800	300	800	640	400	135	80				
HCB-400x150x500S	400	150	500	320	200	55	50	100	100x4	18	
HCB-500x200x600S	500	200	600	400	250	75	60	100	100x5	18	
HCB-630x250x700S	630	250	700	500	315	100	65	150	125x5	18	
HCB-800x300x800S	800	300	800	640	400	135	80	150	150x5	18	
CBC-400x150x500V	400	150	500	320	200	55	50	125	50	M16-7x8x2	
CBC-500x200x600V	500	200	600	400	250	75	60	125	50	M16-9x10-2	
CBC-630x250x700V	630	250	700	500	315	100	65	125	50	M16-11x12x2	
CBC-800x300x800V	800	300	800	640	400	135	80	125	50	M16-15x14x2	

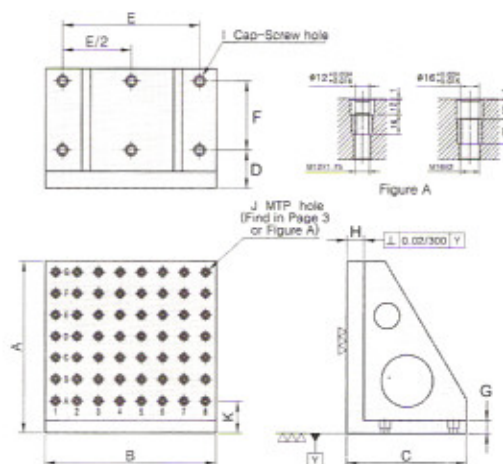
MC ANGLE PLATE



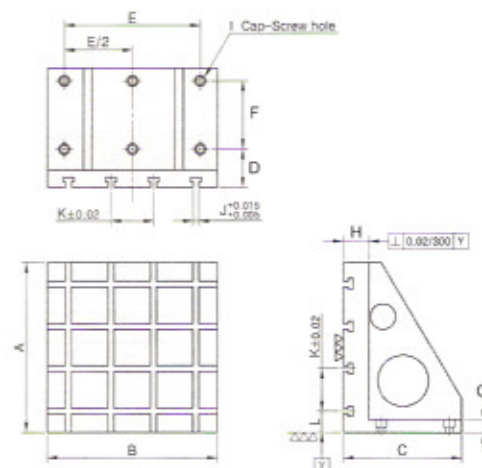
Features:

1. MATERIAL:FC300
2. Heat-treatment-annealing.
3. Suitable for horizontal machine center.

BIB



BFB

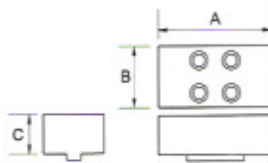


Accept special size ord

MODEL	A	B	C	D	E	F	G	H	I	J	K	L	W.G.
BIB300x300-12	300	300	220	90	250	100	30	40	Ø18	Ø12	M12	75	50
BIB400x400-12	400	400	280	90	320	160	30	40	Ø18	Ø12	M12	75	87
BIB500x500-12	500	500	345	90	400	200	35	50	Ø18	Ø12	M12	75	176
BIB630x630-12	630	630	435	100	500	250	40	50	Ø18	Ø12	M12	40	300
BIB800x800-12	800	800	525	115	640	320	45	50	Ø18	Ø12	M12	75	477
BIB300x300-16	300	300	220	90	250	100	30	40	Ø18	Ø16	M16	75	46
BIB400x400-16	400	400	280	90	320	160	30	40	Ø18	Ø16	M16	75	85
BIB500x500-16	500	500	345	90	400	200	35	50	Ø18	Ø16	M16	75	170
BIB630x630-16	630	630	435	100	500	250	40	50	Ø18	Ø16	M16	40	295
BIB800x800-16	800	800	525	115	640	320	45	50	Ø18	Ø16	M16	75	470
BFB300x300-14	300	300	220	90	250	100	30	60	Ø18	14	100	50	52
BFB400x400-14	400	400	300	90	320	160	30	60	Ø18	14	100	50	101
BFB500x500-14	500	500	350	90	400	200	35	60	Ø18	14	100	50	184
BFB630x630-14	630	630	450	100	500	250	40	65	Ø18	14	125	65	316
BFB800x800-14	800	800	550	115	640	320	45	75	Ø18	14	150	100	566
BFB300x300-18	300	300	220	90	250	100	30	60	Ø18	18	100	50	51
BFB400x400-18	400	400	300	90	320	160	30	60	Ø18	18	100	50	101
BFB500x500-18	500	500	350	90	400	200	35	60	Ø18	18	100	50	175
BFB630x630-18	630	630	450	100	500	250	40	65	Ø18	18	125	65	285
BFB800x800-18	800	800	550	115	640	320	45	75	Ø18	18	150	100	543



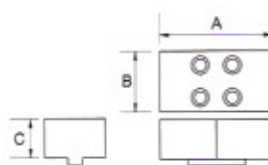
MODEL	A	B	C
VJ1-100	100	70	40
VJ1-130	128	75	50
VJ1-160	158	85	55
VJ1-200	198	100	60



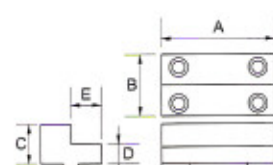
MODEL	A	B	C
VJ1-100A	100	70	40
VJ1-130A	128	75	50
VJ1-160A	158	85	55
VJ1-200A	198	100	60



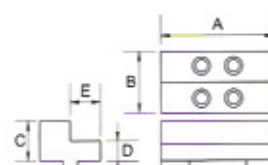
MODEL	A	B	C
VJ2-100	100	70	40
VJ2-130	128	75	50
VJ2-160	158	85	55
VJ2-200	198	100	60



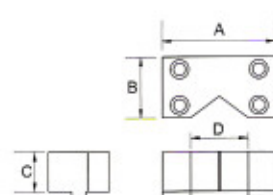
MODEL	A	B	C
VJ2-100A	100	70	40
VJ2-130A	128	75	50
VJ2-160A	158	85	55
VJ2-200A	198	100	60



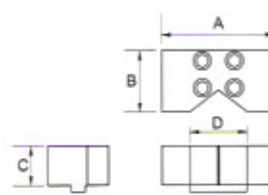
MODEL	A	B	C	D	E
VJ3-100	100	70	40	20	35
VJ3-130	128	75	50	25	37
VJ3-160	158	85	55	27	42
VJ3-200	198	100	60	30	50



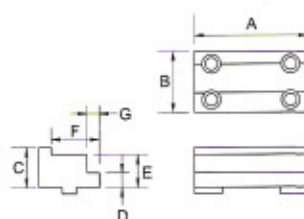
MODEL	A	B	C	D	E
VJ3-100A	100	70	40	20	35
VJ3-130A	128	75	50	25	37
VJ3-160A	158	85	55	27	42
VJ3-200A	198	100	60	30	50



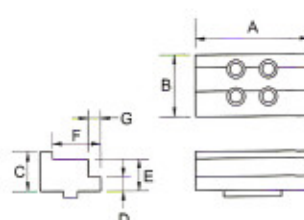
MODEL	A	B	C	D
VJ4-100	100	70	40	50
VJ4-130	128	75	50	60
VJ4-160	158	85	55	70
VJ4-200	198	100	60	80



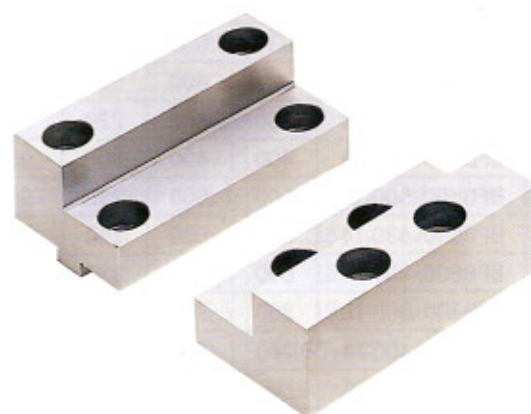
MODEL	A	B	C	D
VJ4-100A	100	70	40	50
VJ4-130A	128	75	50	60
VJ4-160A	158	85	55	70
VJ4-200A	198	100	60	80

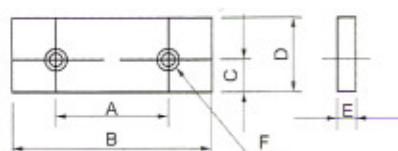
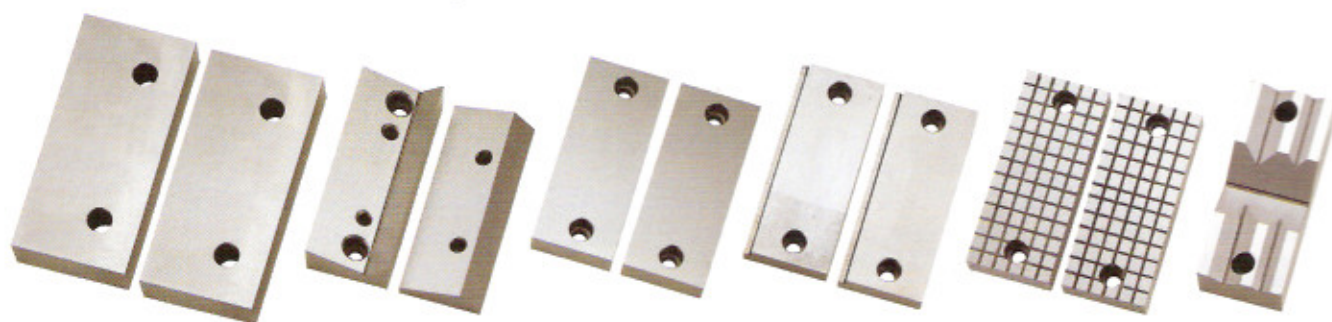


MODEL	A	B	C	D	E	F	G
VJ5-100	100	70	40	20	30	55	10
VJ5-130	128	75	50	20	40	60	10
VJ5-160	158	85	55	20	45	70	10
VJ5-200	198	100	60	20	50	85	10

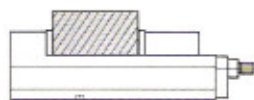
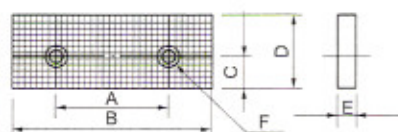


MODEL	A	B	C	D	E	F	G
VJ5-100A	100	70	40	20	30	55	10
VJ5-130A	128	75	50	20	40	60	10
VJ5-160A	158	85	55	20	45	70	10
VJ5-200A	198	100	60	20	50	85	10

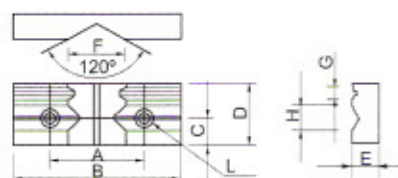




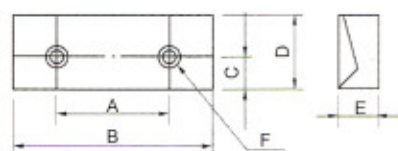
MODEL	A	B	C	D	E
J1-100	70	98	25	48	15
J1-130	100	128	25	53	15
J1-160	100	158	25	63	18
J1-200	120	198	28	67	18



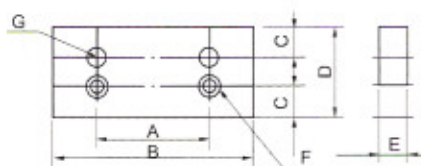
MODEL	A	B	C	D	E
J2-100	70	98	25	48	15
J2-130	100	128	25	53	15
J2-160	100	158	25	63	18
J2-200	120	198	28	67	18



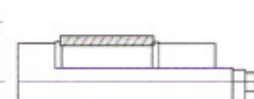
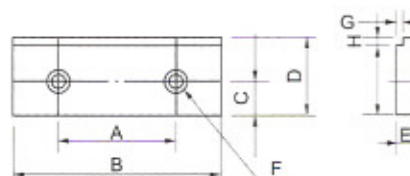
MODEL	A	B	C	D	E	F	G
J3-100	70	98	25	48	30	25	
J3-130	100	128	25	53	30	25	12
J3-160	100	158	25	63	30	25	12
J3-200	120	198	28	67	34	30	12



MODEL	A	B	C	D	E
J4-100	70	98	25	48	30
J4-130	100	128	25	53	32
J4-160	100	158	25	63	32
J4-200	120	198	28	67	40



MODEL	A	B	C	D	E
J5-100	70	98	25	58	24
J5-130	100	128	25	63	24
J5-160	100	158	25	73	24
J5-200	120	198	28	77	24



MODEL	A	B	C	D	E	G	H
J6-100	70	98	25	48	15	5	5
J6-130	100	128	25	53	15	5	5
J6-160	100	158	25	63	18	5	5
J6-200	120	198	28	67	18	5	5

