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CONTENTS

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53 **MPV-L type**
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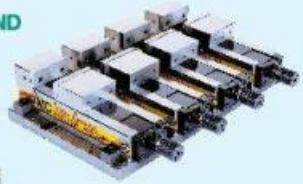
55 MC UNIVERSAL ANGLE-FIXED AND POWERFUL-TYPE ONE-UNIT VERTICAL PRECISION VICE

57 MC MECHANICAL-TYPE PRECISION VICE

59 MC MECHANICAL-TYPE PRECISION VICE

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



63 **MPV type**
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64 **MPV type**
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64 **HTC type**

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67 **HN type**
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69 **VS type**
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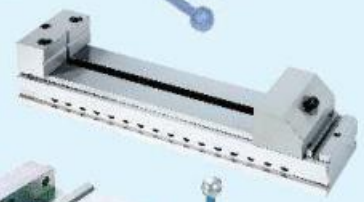

69 **HT type**
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70 MC SUB-TABLE SERIES

71 MC SUB-TABLE SERIES

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

73 MC DOUBLE SIDED TOOLING COLUMN

74 MC ANGLE PLATE

75 SPECIAL APPLICATION JAW PLATES (VSP/VCP)

78 SPECIAL APPLICATION JAW PLATES (MPV/VIP)

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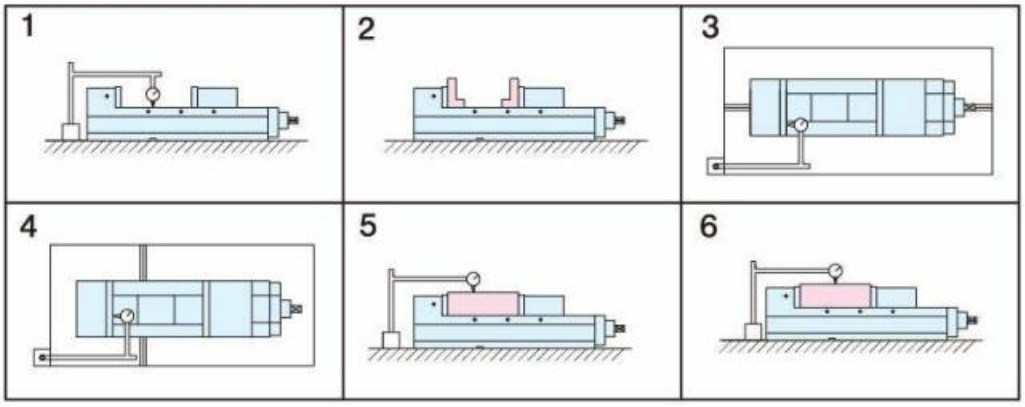
PRECISION INSPECTION

TYPE SPECIFICATION

HMG
VSP
VCP
VIP
MPV
MHV
MB
VSC
MVS
HNSP

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

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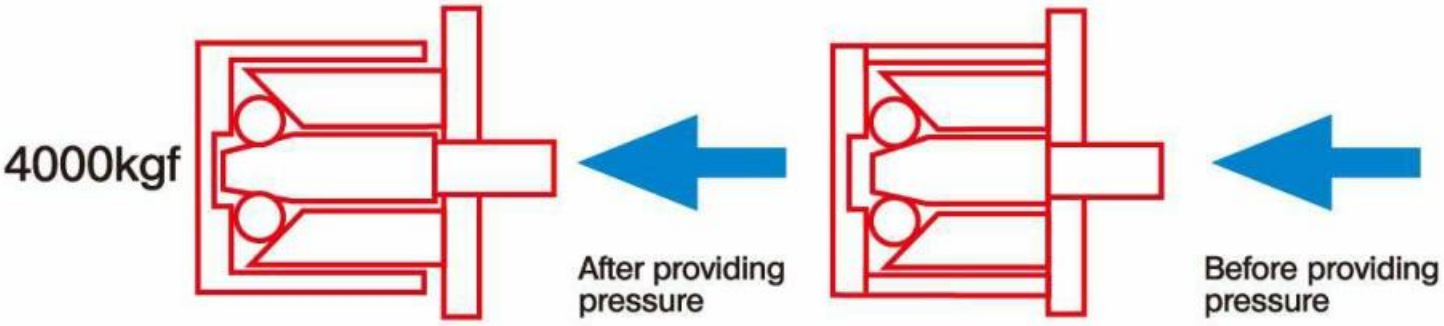
PARTICULAR POWERFUL PRESSURE-INCREASING PRINCIPLE

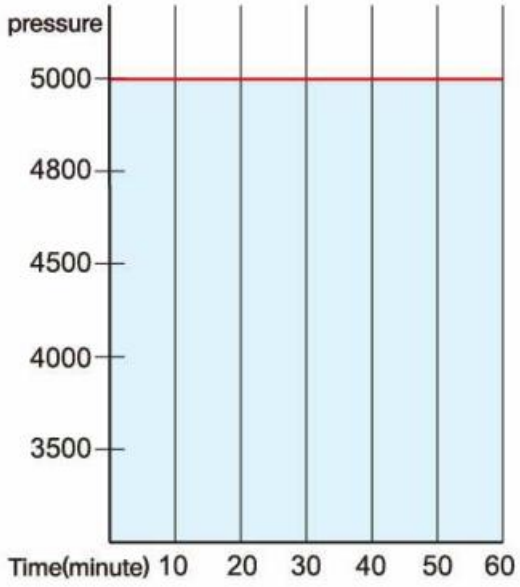


PATENT NUMBER 112490
184869
GERMANY 201125447
CHINE ZL01231630X

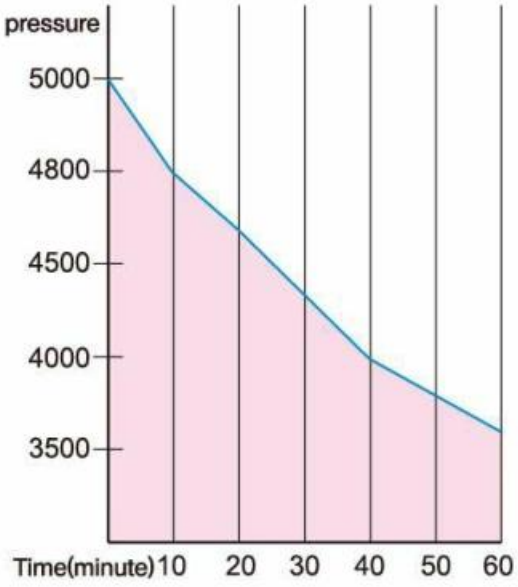
Make a comparison between powerful and other hydraulic after one hour of operation.

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

Powerful | Change | Paralleling | Prevent lifting

'LOCK-TIGHT' MACHINE VISES

SUPER OPEN TYPE VISE

CORNER Most kindly design to considered every tiny point.

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

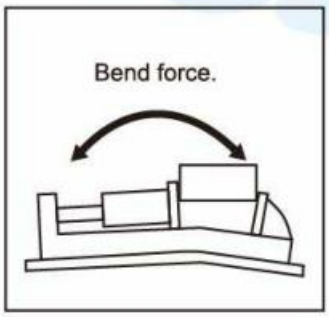
Double opening than those of same grade vice.
Can easy clamp longer work piece.

Max. opening capacity 300 mm.

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

PRESSURE POSITION SYSTEM

0	DIRECT
1	1000kgf
2	2000kgf
3	3000kgf
4	4000kgf
5	5000kgf



High strength. High accuracy.

- Perpendicular rib structure wh
strain of vice. It could hardly

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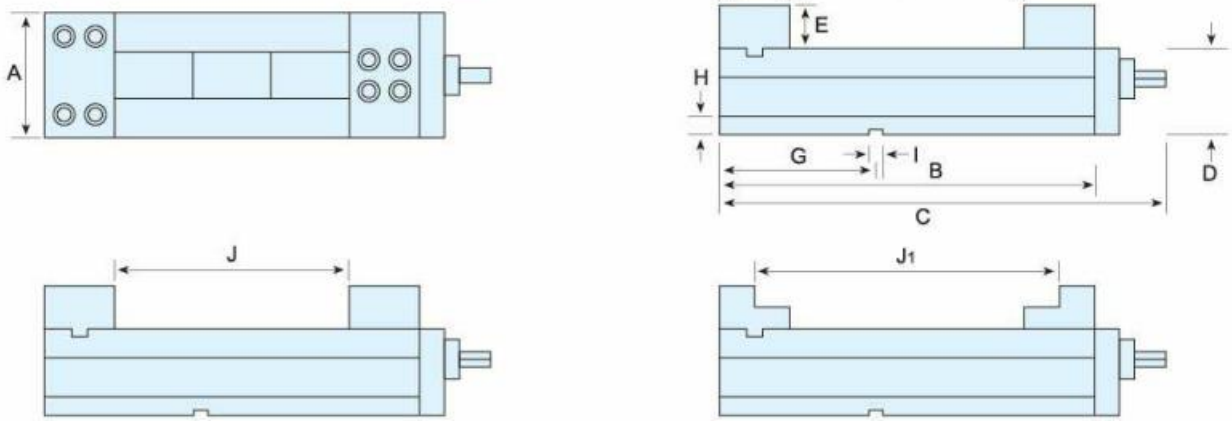
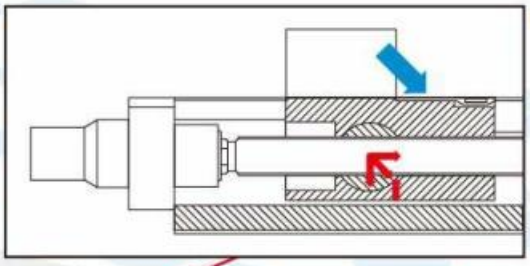
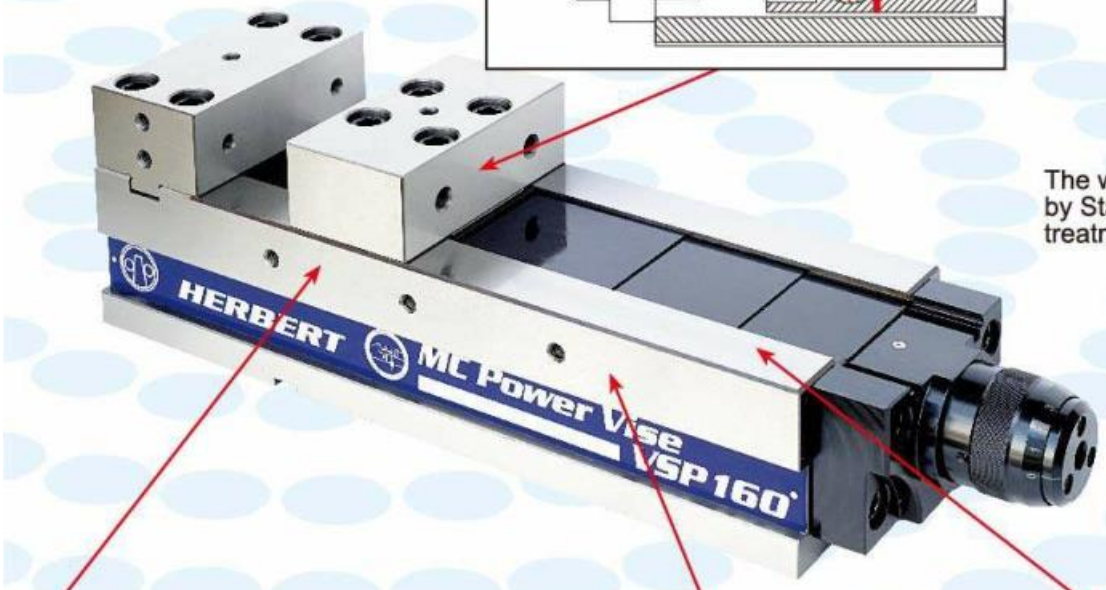


MODEL	A	B	C	D	E	F	G	H	I	J	J_1	N.W.	G.W.	POWER
VSP-100	100	310	435	95	45	70	110	23	18	**140**	200	27kg	30kg	4000kgf
VSP-130	130	410	535	100	50	80	135	23	18	**230**	315	45kg	48kg	4000kgf
VSP-160	160	490	615	110	55	85	150	23	18	**300**	385	60kg	62kg	5000kgf
VSP-200	200	565	690	120	60	100	220	23	18	**350**	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.



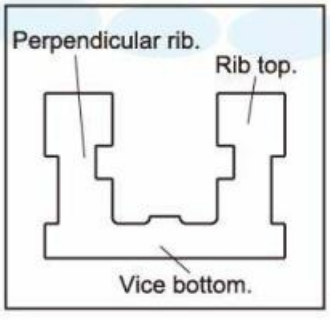
The whole Swivel Base are made by Stainless Steel, with harden treatment, durable and high accurate.

Standard Accessories

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

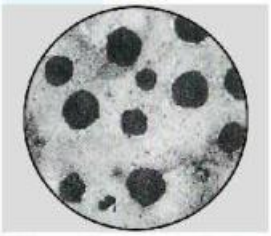
Optional Accessories

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



ıich has great resistance to bending due to clamping to bring bend.

Ductile cast iron spring.



Microphotograph for ductile cast iron

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 | Change | Paralleling | Prevent lifting

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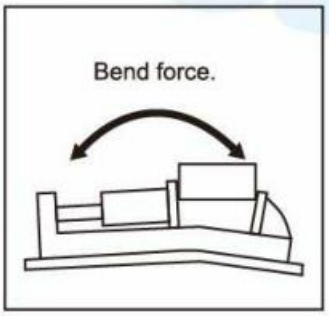

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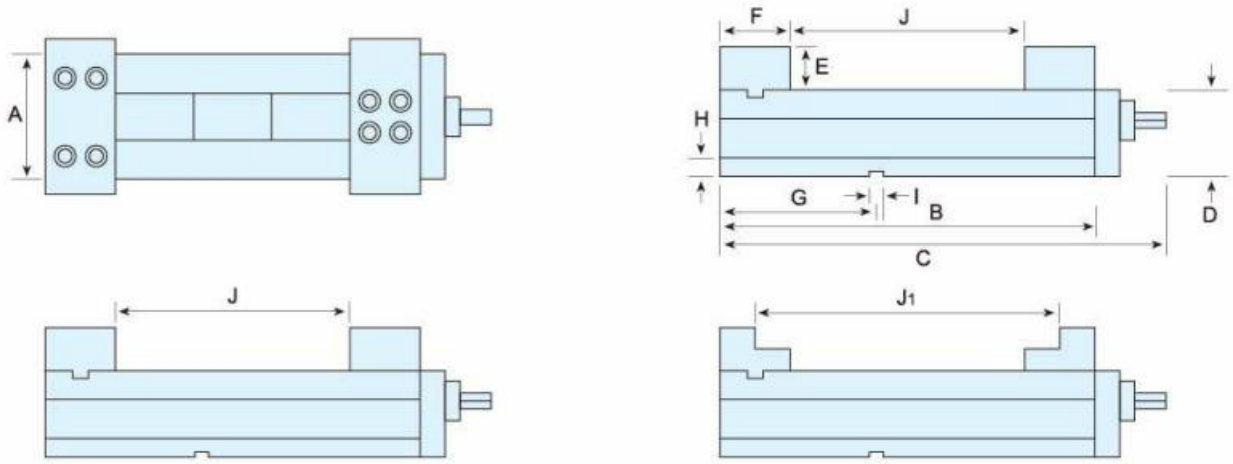
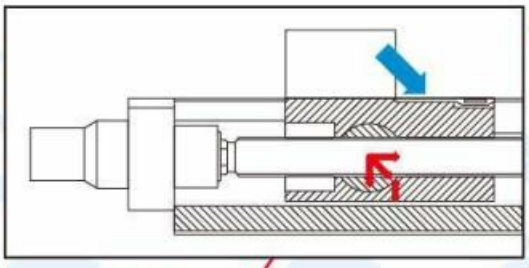
ISO-9001:2008



MODEL	A	B	C	D	E	F	G	H	I	J	J1	N.W.	G.W.	POWER
VSP-200G	200	590	715	110	55	85	150	23	18	**400**	480	70kg	75kg	5000kgf
VSP-250G	250	665	790	120	60	100	220	23	18	**450**	550	120kg	128kg	5000kgf

PATENT NUMBER
184869 201150 249761
256286 249762 300156
GERMANY 201125447
CHINA ZL01231630X



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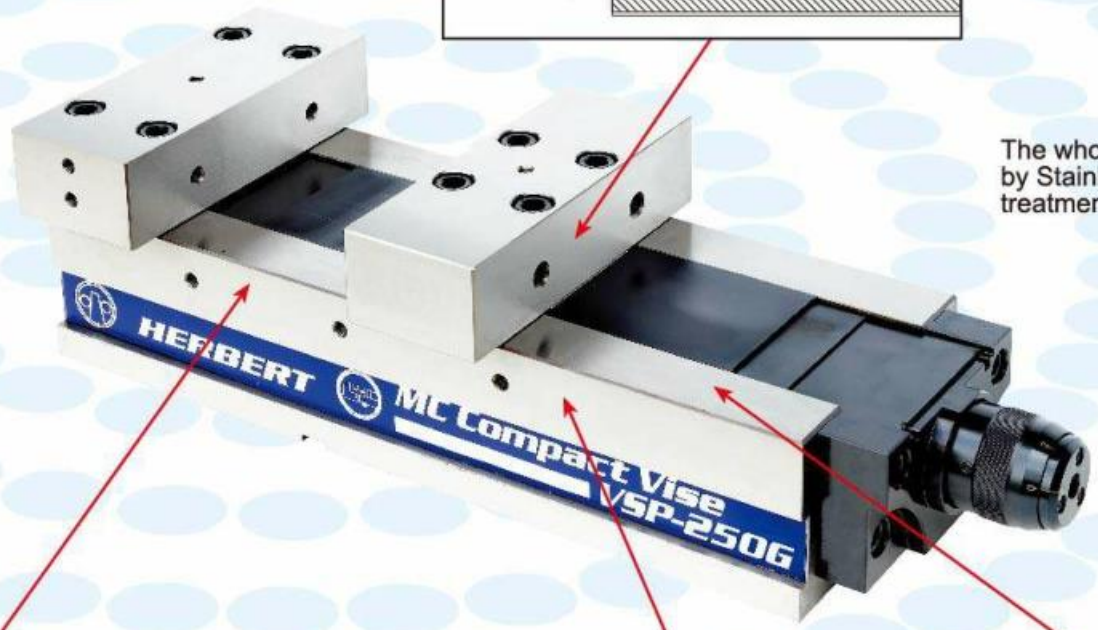

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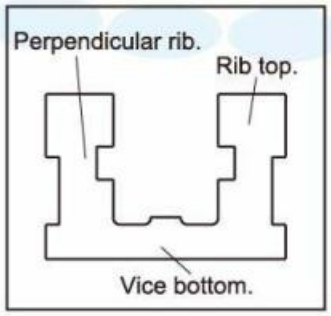

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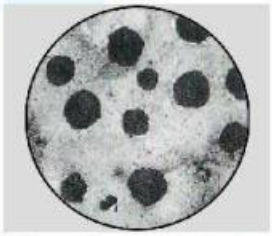
Ductile cast iron spring.



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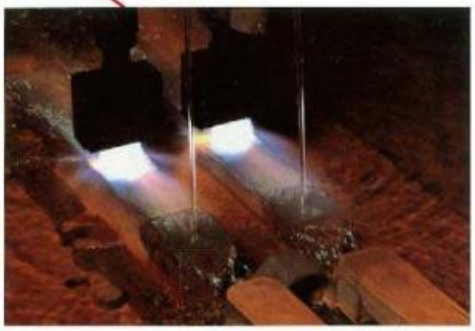
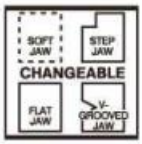


The common contact face and slide face of movable parts both with good wear resistance of treat heatment (over HRC45°)

HERBERT

Powerful



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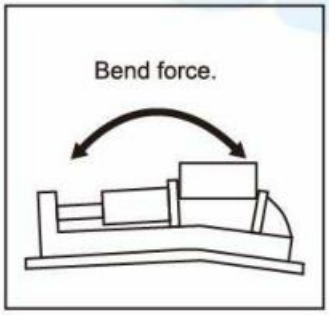

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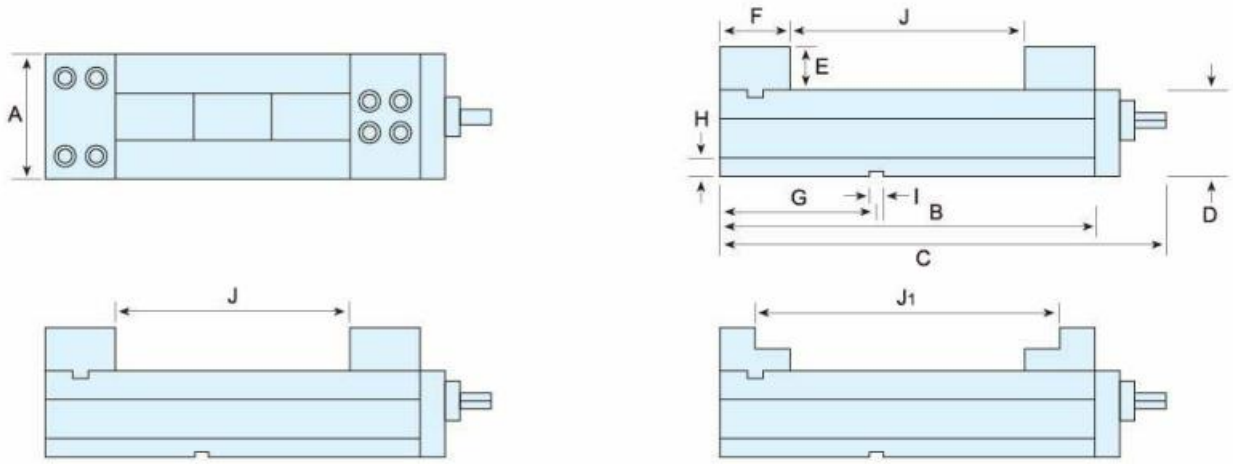
ISO-9001:2008



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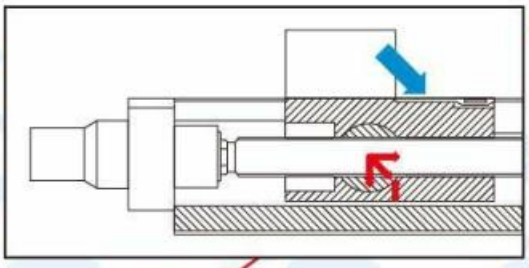

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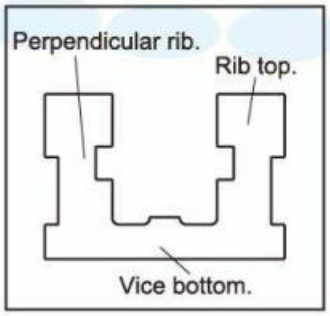

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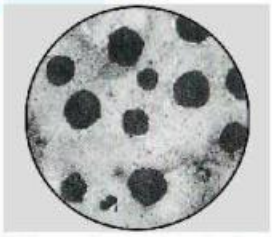
Ductile cast iron spring.



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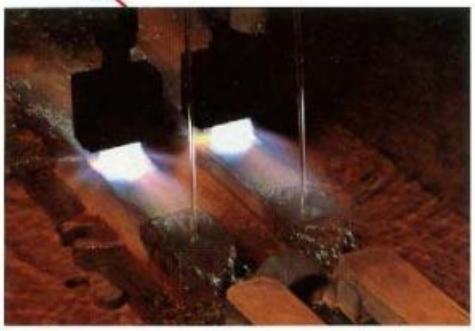
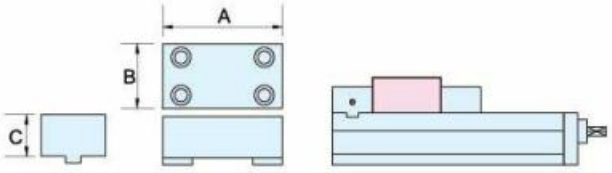
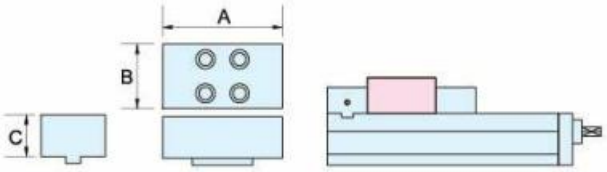


The common contact face and slide face of movable parts both with good wear resistance of treat heatment (over HRC45°)

SPECIAL APPLICATION JAW PLATES

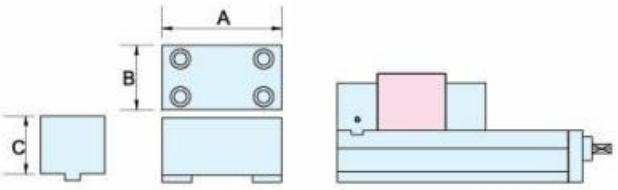


MODEL	A	B	C
VJ1-100	100	70	40
VJ1-130	128	75	50
VJ1-160	158	85	55
VJ1-200	198	100	60
VJ1-100-20	100	70	20
VJ1-130-20	128	75	20
VJ1-160-30	158	85	30
VJ1-200-30	198	100	30

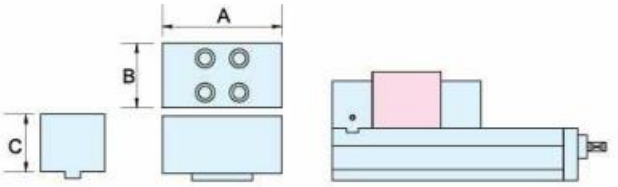


MODEL	A	B	C
VJ1-100A	100	70	40
VJ1-130A	128	75	50
VJ1-160A	158	85	55
VJ1-200A	198	100	60
VJ1-100A-20	100	70	20
VJ1-130A-20	128	75	20
VJ1-160A-30	158	85	30
VJ1-200A-30	198	100	30

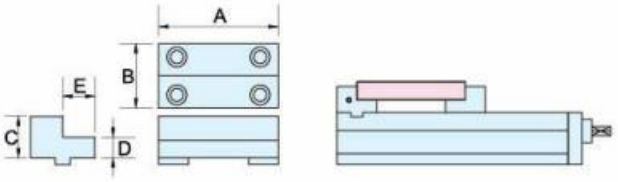
SPECIAL APPLICATION JAW PLATES



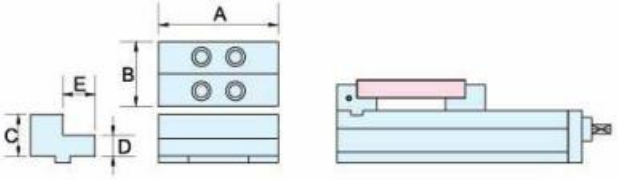
MODEL	A	B	C
VJ2-100	100	70	70
VJ2-130	128	75	75
VJ2-160	158	85	85
VJ2-200	198	100	100



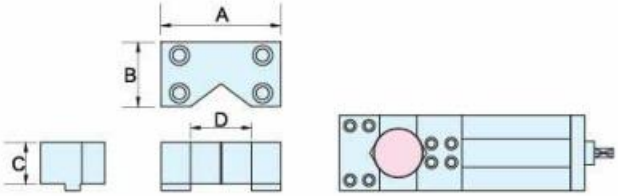
MODEL	A	B	C
VJ2-100A	100	70	70
VJ2-130A	128	75	75
VJ2-160A	158	85	85
VJ2-200A	198	100	100



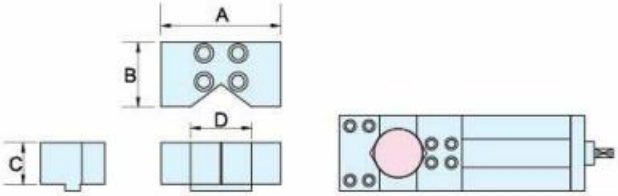
MODEL	A	B	C	D	E
VJ3-100	100	70	40	20	35
VJ3-130	128	80	50	25	37
VJ3-160	158	85	55	27	42
VJ3-200	198	100	60	30	50



MODEL	A	B	C	D	E
VJ3-100A	100	70	40	20	35
VJ3-130A	128	80	50	25	37
VJ3-160A	158	85	55	27	42
VJ3-200A	198	100	60	30	50

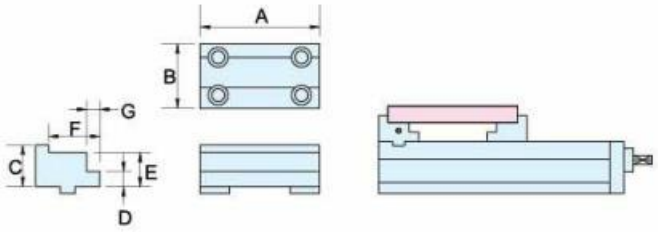


MODEL	A	B	C	D
VJ4-100	100	70	40	50
VJ4-130	128	75	50	60
VJ4-160	158	85	55	70
VJ4-200	198	100	60	80

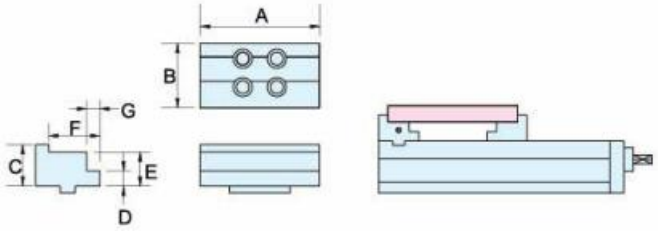


MODEL	A	B	C	D
VJ4-100A	100	70	40	50
VJ4-130A	128	75	50	60
VJ4-160A	158	85	55	70
VJ4-200A	198	100	60	80

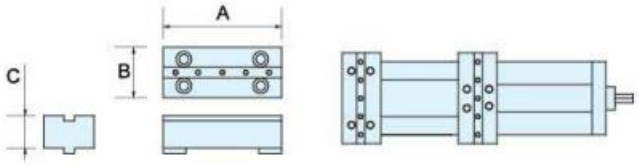
SPECIAL APPLICATION JAW PLATES



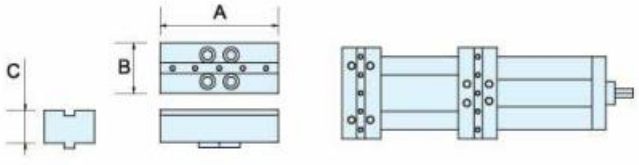
MODEL	A	B	C	D	E	F	G
VJ5-100	100	70	40	20	30	55	10
VJ5-130	128	75	50	20	40	60	10
VJ5-160	158	85	55	20	45	70	10
VJ5-200	198	100	60	20	50	85	10



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

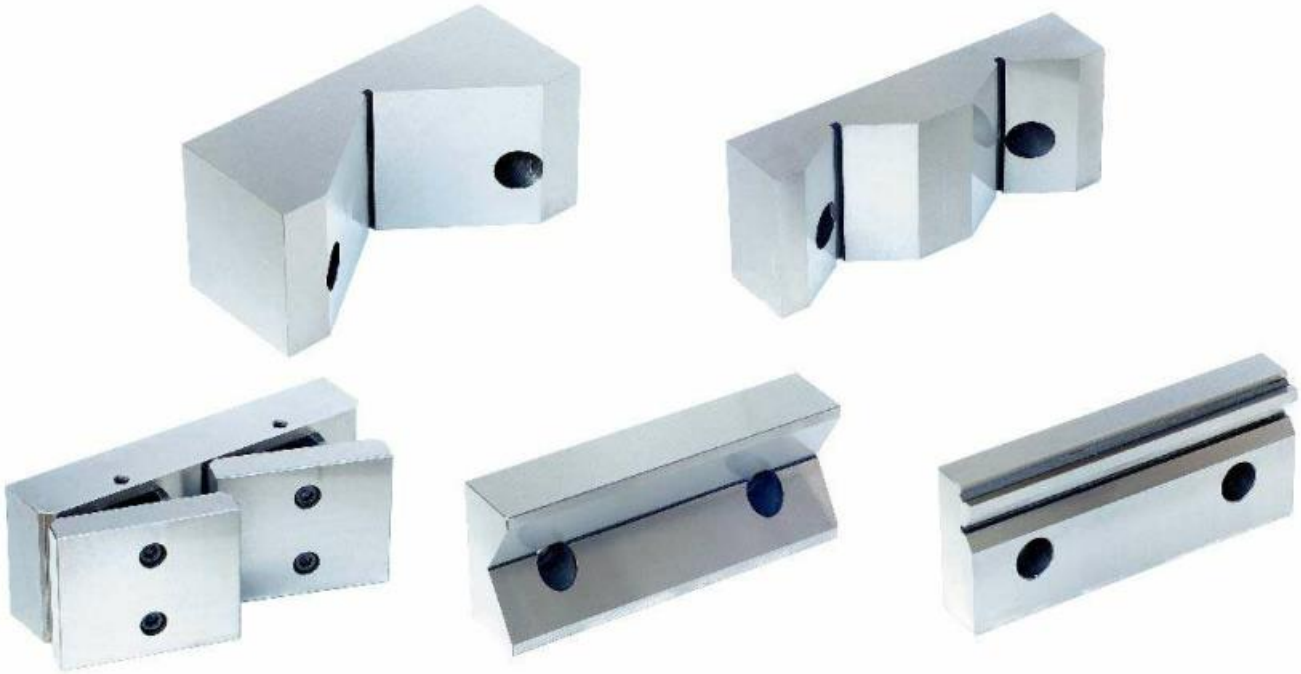


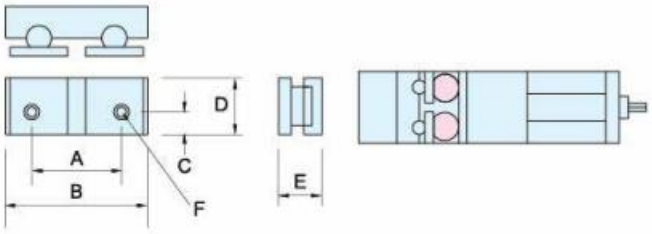
MODEL	A	B	C
VJ6-100	140	70	20
VJ6-130	170	75	20
VJ6-160	200	85	25
VJ6-200	240	100	25



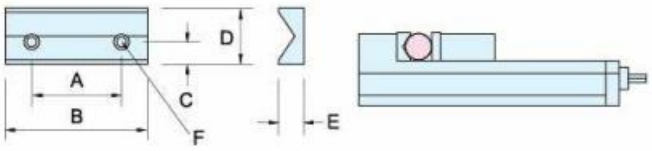
MODEL	A	B	C
VJ6-100A	140	70	20
VJ6-130A	170	75	20
VJ6-160A	200	85	25
VJ6-200A	240	100	25

SPECIAL APPLICATION JAW PLATES

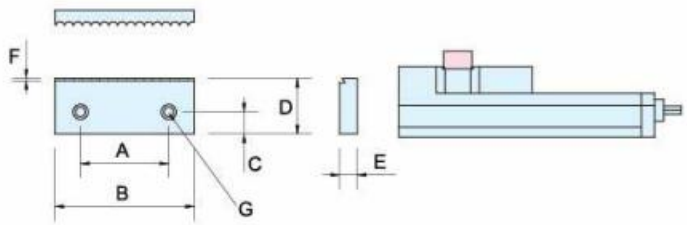




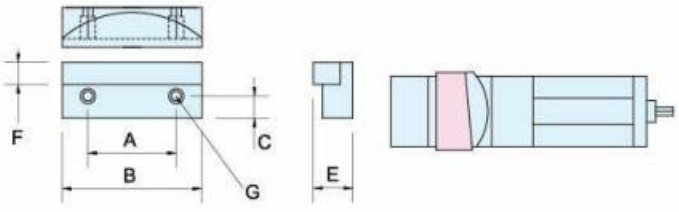
MODEL	A	B	C	D	E	F
J7-100	70	98	25	48	60	M8
J7-130	100	128	25	53	60	M8
J7-160	100	158	25	63	70	M10
J7-200	120	198	28	67	70	M12



MODEL	A	B	C	D	E	F
J8-100	70	98	25	48	40	M8
J8-130	100	128	25	53	40	M8
J8-160	100	158	25	63	50	M10
J8-200	120	198	28	67	50	M12



MODEL	A	B	C	D	E	F	G
J9-100	70	98	25	45	15	5	M8
J9-130	100	128	25	50	15	5	M8
J9-160	100	158	25	60	18	5	M10
J9-200	120	198	28	60	18	5	M12



MODEL	A	B	C	D	E	F	G
J10-100	70	110	25	48	38	12	M8
J10-130	100	140	25	53	40	16	M8
J10-160	100	170	25	63	45	22	M10
J10-200	120	210	28	63	50	25	M12