



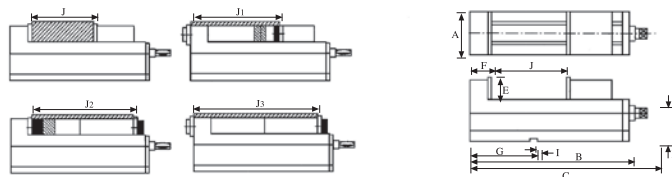
# CLAMPING VISE

NO.2022-05



# MC HYDRAULIC & ANGLE LOCK VISE

## MC 精密油壓虎鉗

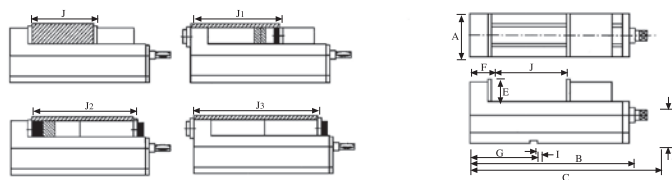


### Hydraulic Type

MODEL NO.	TYPE	A	B	C	D	E	F	G	I	Jaw Opening(Max.)				Clamping Force	Weight Body
										J	J1	J2	J3		
408-007-010	BHV - 100V	101	380	480	85	48	80	125	16	135	200	240	330	4000kgf	27kgs
408-007-011	BHV - 130V	131	445	545	95	55	85	150	18	190	250	300	390	5000kgf	40kgs
408-007-012	BHV - 160V	161	535	635	105	58	100	165	18	250	330	370	480	5500kgf	58kgs
408-007-145	BHV - 160VL	161	585	685	105	58	100	165	18	300	380	420	530	5500kgf	62kgs
408-007-013	BHV - 200V	201	610	710	110	63	108	190	18	300	370	430	550	6900kgf	81kgs

# MC COMPACT VISE

## MC 精密機械式虎鉗



### Mechanical type

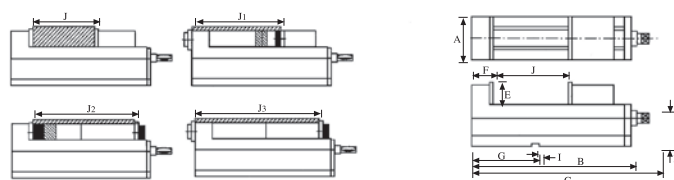
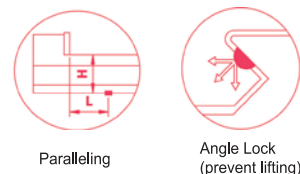
MODEL NO.	TYPE	A	B	C	D	E	F	G	I	Jaw Opening(Max.)				Weight Body
										J	J1	J2	J3	
408-007-023	BV - 100V	101	380	440	85	48	80	125	16	135	200	240	330	26kgs
408-007-024	BV - 130V	131	445	505	95	55	85	150	18	190	250	300	390	39kgs
408-007-026	BV - 160V	161	535	595	105	58	100	165	18	250	330	370	480	59kgs
408-007-027	BV - 160VL	161	585	645	105	58	100	165	18	300	380	420	530	61kgs
408-007-028	BV - 200V	201	610	670	110	63	108	190	18	300	370	430	550	80kgs

## FEATURES

- ▶ One piece casting of vise bed and flexed jaw.
- ▶ Down thrust "Semis-sphere Segment" mechanism-eliminates jaw life and work tilt.
- ▶ Rigid material-vise body of ductile iron FCD60JIS (equal to GGG60) with 60 kgs/mm<sup>2</sup> or 80,000 psi tensile strength.
- ▶ Vise bed flame with harden treatment up to HRC 45° and up takes up wear and maintain for long.

# MC MECHANICAL POWWR VISE

## MC 精密倍力虎鉗



### MC Mechanical Power Vise

MODEL NO.	TYPE	A	B	C	D	E	F	G	I	Jaw Opening(Max.)				Clamping Force	Weight Body
										J	J1	J2	J3		
408-007-015	BMV - 100V	101	400	490	85	48	80	125	16	155	200	240	330	3000kgf	27kgs
408-007-016	BMV - 130V	131	465	555	95	55	85	150	18	230	250	300	390	3500kgf	40kgs
408-007-017	BMV - 160V	161	555	645	105	58	100	165	18	300	330	370	480	4000kgf	60kgs
408-007-018	BMV - 160VL	161	615	705	105	58	100	165	18	350	380	420	530	4000kgf	62kgs
408-007-019	BMV - 200V	201	630	720	110	63	108	190	18	340	370	430	550	4500kgf	81kgs

### Accuracy testing standard for BHV, BV and BMV vises:

NO	Item	JIS grade 1	Guaranteed	
1	Vise side-lock on bottom slide way square	0.020 100mm	0.010 100mm	
2	Keyways on bottom of vise bed square to clamping surface of jaw plate	0.020 100mm	0.015 100mm	
3	Both jaw plate parallel	0.020 100mm	0.020 100mm	
4	Max opening test block parallel to bottom of vise body	0.050 100mm	0.030 100mm	
5	Top of rectangular test block clamped tightly by jaw parallel to bottom of vise body	0.030 100mm	0.020 100mm	
6	Surface of vise bed parallel to bottom of vise body	0.020	0.015	

### FEATURES

- ▶ One piece casting of vise bed and flexed jaw.
- ▶ Down thrust "Semis-sphere Segment" mechanism-eliminates jaw life and work tilt.
- ▶ Rigid material-vise body of ductile iron FCD60JIS (equal to GGG60) with 60 kgs/mm<sup>2</sup> or 80,000 psi tensile strength.
- ▶ Vise bed flame with harden treatment up to HRC 45° and up takes up wear and maintain for long.

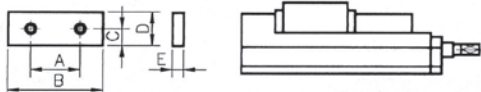


# Optional Jaw Plates For BHV, BV, BMV, Vise

## MODEL:HJ,LJ,VJ,TJ,SJ,FJ

Unit/mm

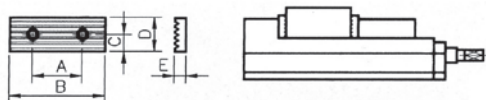
HJ-100, 130, 160, 200 ●



HJ	408-007-A01	408-007-A02	408-007-A03	408-007-A04
		100	130	160
A	60	90	90	120
B	100	130	160	200
C	22	25	25	28
D	48	55	58	63
E	15	15	15	18

Unit/mm

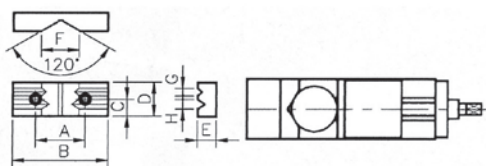
LJ-100, 130, 160, 200 ●



LJ	408-007-A05	408-007-A06	408-007-A07	408-007-A08
		100	130	160
A	60	90	90	120
B	100	130	160	200
C	22	25	25	28
D	48	55	58	63
E	15	15	15	18

Unit/mm

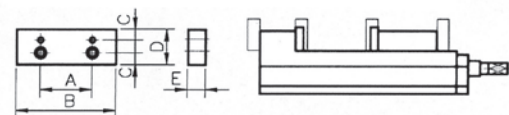
VJ-100, 130, 160, 200 ●



VJ	408-007-A09	408-007-A10	408-007-A11	408-007-A12
		100	130	160
A	60	90	90	120
B	100	130	160	200
C	22	25	25	28
D	48	55	58	63
E	30	32	32	40

Unit/mm

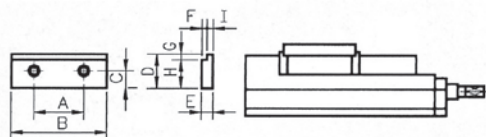
TJ-100,130,160,200 ●



TJ	408-007-A13	408-007-A14	408-007-A15	408-007-A16
		100	130	160
A	60	90	90	120
B	100	130	160	200
C	22	25	25	28
D	64	69	74	88
E	21	24	24	31

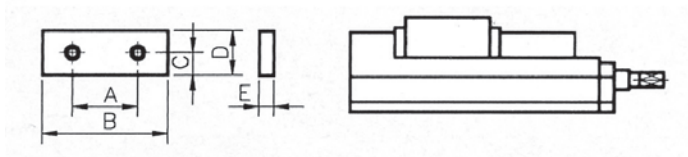
Unit/mm

SJ-100,130,160,200 ●



SJ	408-007-A17	408-007-A18	408-007-A19	408-007-A20
		100	130	160
A	60	90	90	120
B	100	130	160	200
C	22	25	25	28
D	48	55	58	63
E	15	15	15	18
F	5	5	5	5
J	5	5	5	5
H	43	50	53	58
I	10	10	10	13

FJ-1001, 1301, 1601, 2001  
 FJ-1002, 1302, 1602, 2002  
 FJ-1003, 1303, 1603, 2003  
 FJ-1004, 1304, 1604, 2004  
 FJ-1005, 1305, 1605, 2005



Unit/mm

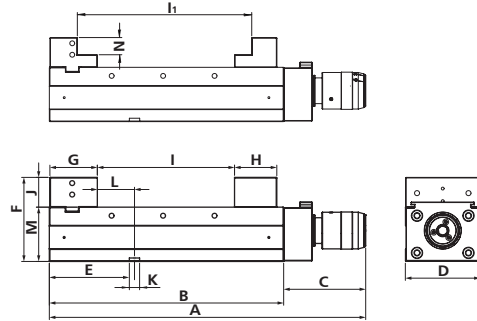
FJ	408-007-A21	408-007-A22	408-007-A23	408-007-A24	408-007-A25	408-007-A26	408-007-A27	408-007-A28	408-007-A29	408-007-A30
	1001	1002	1003	1004	1005	1301	1302	1303	1304	1305
A	60	60	60	60	60	90	90	90	90	90
B	100	100	100	100	130	130	130	130	130	130
C	22	22	22	22	22	25	25	25	25	25
D	48	63	73	48	63	55	73	103	63	73
E	15	21	23	48	48	15	23	30	48	48
F	M10	M10	M10	M10	M10	M10	M10	M10	M10	M10
FJ	408-007-A31	408-007-A32	408-007-A33	408-007-A34	408-007-A35	408-007-A36	408-007-A37	408-007-A38	408-007-329	408-007-A40
	1601	1602	1603	1604	1605	2001	2002	2003	2004	2005
A	90	90	90	90	90	90	90	90	90	120
B	160	160	160	160	160	200	200	200	200	200
C	25	25	25	25	25	28	28	28	28	28
D	58	73	103	63	73	63	103	123	63	102
E	15	23	30	48	48	18	30	37	63	63
F	M10	M10	M10	M10	M10	M12	M12	M12	M12	M12

# MC PRESSURE CONSTANT POWER VISE

定壓式精密倍力虎鉗



EPVS



MODEL NO.	TYPE	A	B	C	D	E	F	G	H	I	I1	J	K	L	M	N
408-007-141	EPV - 130VS	564	410	144	131	149	147	83	74	235	300	52	18	65	95	30
408-007-140	EPV - 160VS	601	477	124	161	152	160	86	86	300	370	55	18	65	105	30
408-007-142	EPV - 160VLS	805	681	124	161	152	160	86	86	500	570	55	18	65	105	30
408-007-143	EPV - 200VS	676	552	124	201	194	170	100	97	350	426	60	18	93	110	30
408-007-144	EPV - 200VLS	830	706	124	201	194	170	100	97	500	576	60	18	93	110	30

## FEATURES

- ▶ Rigid material-vise body of ductile iron FCD60JIS (equal to GGG60) with 60 kgs/mm<sup>2</sup> or 80,000 psi tensile strength.
- ▶ The slide ways are heat treated to HRC 45° and that can provide the high accuracy and long service life.
- ▶ Fixed Height, EPV vises can be used 2 or more together.
- ▶ EPV vise is suitable for CNC Vertical & Horizontal Machine Center.
- ▶ Exchangeable jaws: quick & easy replacement.
- ▶ 4-Step Pressure Constant device.

# MEMO

Blank lined area for writing the memo content.





智能侯



戰鼓侯



學識侯



俠客侯



勝侯王



登山侯



慢跑侯



咖啡侯



鐵馬侯





[www.syic.com](http://www.syic.com)



SHIN-YAIN INDUSTRIAL CO., LTD.  
No.198, Jingpu Rd., Qingshui Dist., Taichung City 436, Taiwan  
Tel: +886-4-26237575 | Fax: +886-4-26237676 | E-mail: sales@syic.com

