



SAFEWAY

ISO-9001:2000

MOST SUITABLE FOR VERTICAL MACHINE CENTER

MODEL ● 07160100 CMV-100V ● 07160130 CMV-130V
 ● 07160160 CMV-160V ● 07160200 CMV-200V

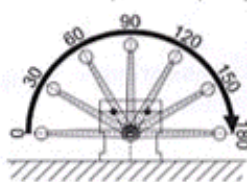
MODEL ● 07165100 CMV-100S ● 07165130 CMV-130S
 ● 07165160 CMV-160S ● 07165200 CMV-200S



Clamping force table KN(kgf)

	4	3	2	1	0
CMV-100	46 (4508)	37 (3626)	23 (2254)	10 (980)	4 (392)
CMV-130	52 (5096)	40 (3920)	25 (2450)	13 (1274)	4 (392)
CMV-160	57 (5586)	43 (4214)	29 (2842)	15 (1470)	5 (490)
CMV-200	65 (6370)	49 (4802)	35 (3430)	22 (2156)	5 (490)

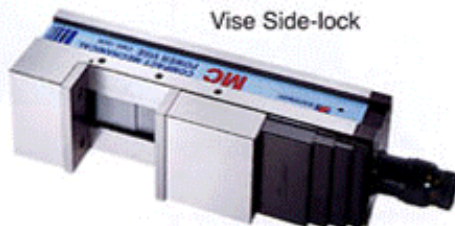
Handle turn less 1 cycle will reach power capacity



Vise Max. Opening (Optional)



Vise Side-lock



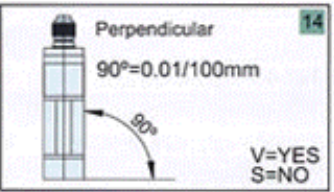
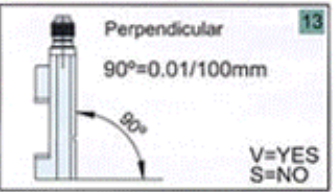
FEATURES:

1. Clamping power indicating graduations are engraved on the vise handle to show instantly the figure of clamping force in tons.
2. Drive spindle with clamping force presetting and stopper mechanism device.
3. Holding work-piece firmly in single and multiple vises setup.
4. Semi-spherical segment eliminates jaw lifting and work-piece tilting.
5. One piece casting of vise bed and fixed jaw.
6. Rigid material-Ductile iron FCD60JIS (Equal to GGG60) with 60 kgs/mm² or 80,000 psi tensile strength.
7. Vise bed flange hardened to HRC45° and up takes up wear and maintain accuracy for long.
8. Chip covers adopt on each vise for preventing chips falling into leadscrew and inside of vise.

THE EXCELLENT CLEARANCE CONTROL

<p>1 X Keep X= 0 -0.02 V=YES S=NO</p>	<p>2 Keep Y Y= 0 -0.02 V=YES S=NO</p>	<p>3 G Keep G= 0 -0.02 V=YES S=NO</p>	<p>4 R Keep R= 0 -0.02 V=YES S=NO</p>
<p>5 Keep w Keep E= 0 -0.03 V=YES S=NO</p>	<p>6 90° Perpendicular 90°= 0 -0.015 V=YES S=YES</p>	<p>7 Parallel X Y //=0.015/100mm(X,Y) V=YES S=YES</p>	<p>8 Parallel //=0.015/100mm V=YES S=YES</p>
<p>9 Keyways on bottom of vise bed parallel to jaw plate</p>	<p>10 Perpendicular of side locked 90°</p>	<p>11 Perpendicular of side locked 90°</p>	<p>12 Perpendicular 90°</p>

//=0.015/100mm V=YES S=YES 90°=0.015/100mm V=YES S=NO 90°=0.01/100mm V=YES S=NO 90°=0.015/100mm V=YES S=NO



WHAT'S DIFFERENT V & S TYPE
V=THE CLEARANCE WITH FULL CONTROL AS FIG.1-14
S=THE CLEARANCE WITH CONTROL AS FIG.6.7.8.9. ONLY



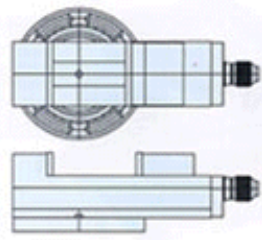
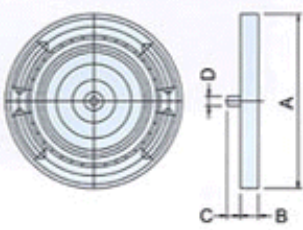
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MC COMPACT MECHANICAL POWER VISE

SWIVEL BASE (STEEL)

- MODEL ● 07813100 SBD-100 ● 07813130 SBD-130
● 07813160 SBD-160 ● 07813200 SBD-200



ORDER NO.	SBD	A	B	C	D	N.W.
07813100	100	248	29	25	16	6.6kg
07813130	130	296	32	25	18	10.6kg
07813160	160	312	34	25	18	15.5kg
07813200	200	378	44	25	18	27.2kg

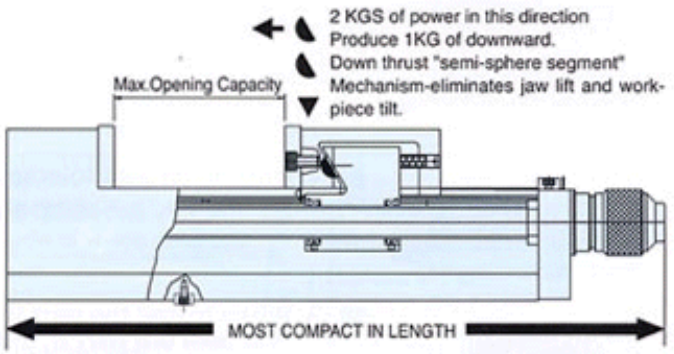
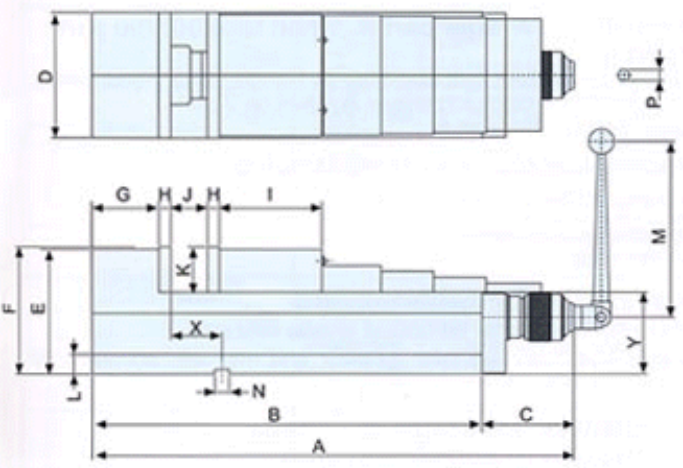
THE WHOLE SWIVEL BASE BY MADE OF STEEL BY HARDNESS AND TAKE UP WEAR AND MAINTAIN ACCURACY FOR LONG

Standard Accessories

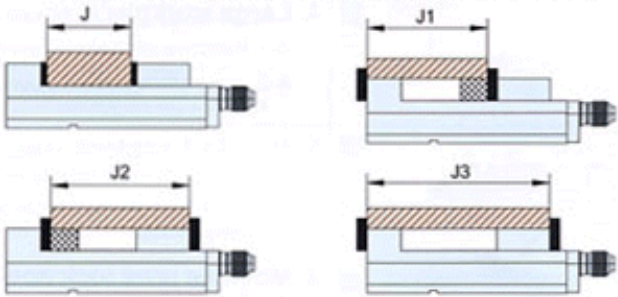
- 1.Handle x 1 pc
- 2.Guide key x 2pcs
M6 x 10L x 2pcs
- 3.Vise locked block x 4 pcs

Optional Accessories

- 1.Special Application Jaw Plates (P.47,48)
- 2.Swivel Base - SBD (Steel)



The 4 Ways Of Clamping For Your Best Choice



ORDER NO.	MODEL	A	B	C	D	E	F	G	H	I	J	J1	J2	J3	K	L
07160100	CMV-100V	475	340	135	101	130	133	65	15	105	0-125	125-190	125-230	125-320	48	22
07165100	CMV-100S	475	340	135	101	130	133	65	15	105	0-125	125-190	125-230		48	22

Unit:mm

07160130	CMV-130V	540	405	135	131	147	150	70	15	115	0-180	180-240	180-290	180-380	55	22
07165130	CMV-130S	540	405	135	131	147	150	70	15	115	0-180	180-240	180-290		55	22
07160160	CMV-160V	630	495	135	161	160	163	85	15	130	0-240	240-320	240-360	240-470	58	22
07165160	CMV-160S	630	495	135	161	160	163	85	15	130	0-240	240-320	240-360		58	22
07160200	CMV-200V	705	570	135	201	170	173	90	18	150	0-280	280-360	280-420	280-540	63	22
07165200	CMV-200S	705	570	135	201	170	173	90	18	150	0-280	280-360	280-420		63	22

ORDER NO.	MODEL	M	N	P	X	X= δ_{02}	Y	Y= δ_{02}	MAX.PRESSURE	N.W.	G.W.	SHIPMENT SIZE	REMARK
07160100	CMV-100V	125	16	14	45	YES	85	YES	46KN(4508kgf)	25kg	27kg	600x220x185	
07165100	CMV-100S	125	16	14	45	NO	85	NO	46KN(4508kgf)	25kg	27kg	600x220x185	
07160130	CMV-130V	125	18	14	65	YES	95	YES	52KN(5096kgf)	38kg	40kg	665x250x205	
07165130	CMV-130S	125	18	14	65	NO	95	NO	52KN(5096kgf)	38kg	40kg	665x250x205	
07160160	CMV-160V	125	18	14	65	YES	105	YES	57KN(5586kgf)	58kg	60kg	760x280x215	
07165160	CMV-160S	125	18	14	65	NO	105	NO	57KN(5586kgf)	58kg	60kg	760x280x215	
07160200	CMV-200V	125	18	14	82	YES	110	YES	65KN(6370kgf)	78kg	81kg	860x320x225	
07165200	CMV-200S	125	18	14	82	NO	110	NO	65KN(6370kgf)	78kg	81kg	860x320x225	