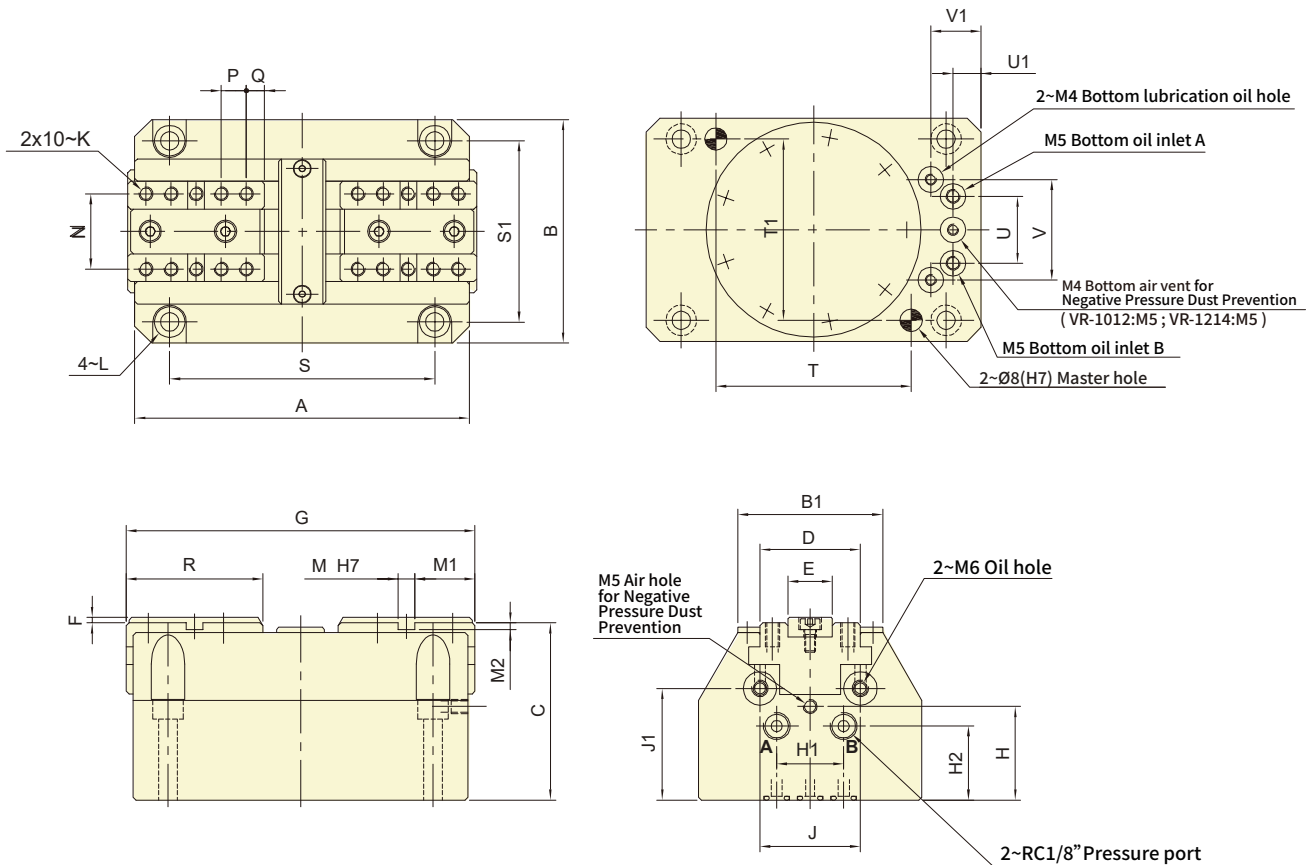




- Slim and compact profile enhances workspace efficiency.
- Equipped with a built-in hydraulic cylinder, operable via pneumatic or hydraulic pressure.
- Side and bottom input ports offer flexible connection options.
- Suitable for milling machines and machining centers.



Subject to technical changes

SPECIFICATIONS

Model	Jaw stroke(Dia.)	Max.Chucking (Dia.)	Max. clamping force Pneumatic	Max. clamping force Hydraulic	Max. pressure Pneumatic	Max. pressure Hydraulic	Max. Jaw Height	Weight
	mm	mm	kN (kgf)	kN (kgf)	MPa(kgf/cm ²)	MPa(kgf/cm ²)	mm	kg
VR-808	8	100	2.0(200)	7.7(785)	0.9(9)	2.1(21)	60	3.55
VR-1012	12	120	4.4(448)	12.2(1244)	0.9(9)	2.1(21)	60	7
VR-1214	14	160	8.6(876)	31.1(3171)	0.9(9)	2.1(21)	60	12

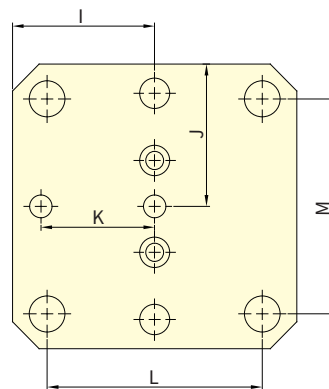
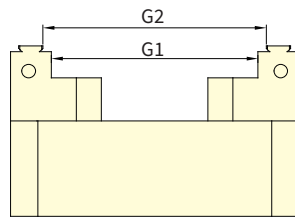
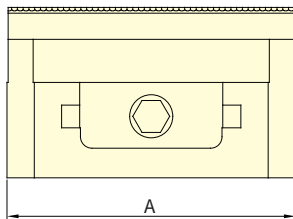
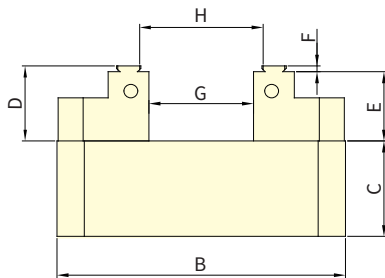
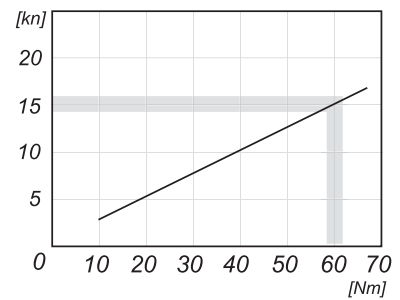
DIMENSIONS

Model	A	B	B1	C	D	E(h6)	F	Gmax	Gmin	H	H1	H2	J	J1	K
VR-808	120	80	52	63.5	36	16	2	125	117	33.5	24	26.5	36	40	M5x0.8
VR-1012	150	100	64	76	45	20	2	158	146	39	30	32	46	48	M6x1
VR-1214	188	125	82	82.5	60	24	2.5	196	182	41.5	44	34.5	57	51	M8x1.25

Model	L	M(H7)	M1	M2	N	P	Q	R	S	S1	T	T1	U	U1	V	V1
VR-808	M6	6	21.5	2.5	27	9	6.5	49	95	65	70	65	24	10	36	18
VR-1012	M8	8	27	2.5	32	12	8	63	120	80	90	80	30	12	46	20
VR-1214	M8	8	30	3	43	12	10	80	158	100	128	100	44	16	57	25



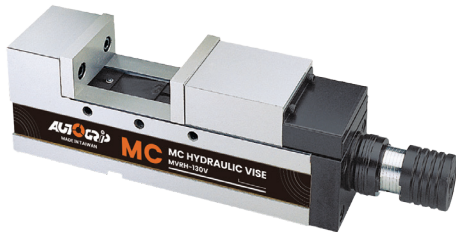
- Self-centering design ideal for 4-axis and 5-axis CNC rotary tables; compatible with horizontal and vertical machining.
- Centering repeatability of ± 0.01 mm ensures precise and stable workpiece positioning.
- Vise body made of high-grade alloy steel with hardened sliding surfaces (HRC 45+) for excellent wear resistance and rigidity.
- Jaws are made of fully hardened steel (HRC 55+), reversible and interchangeable for extended service life.
- Precision-built and easy to operate, ideal for demanding machining environments requiring high efficiency and accuracy.


Clamping curve


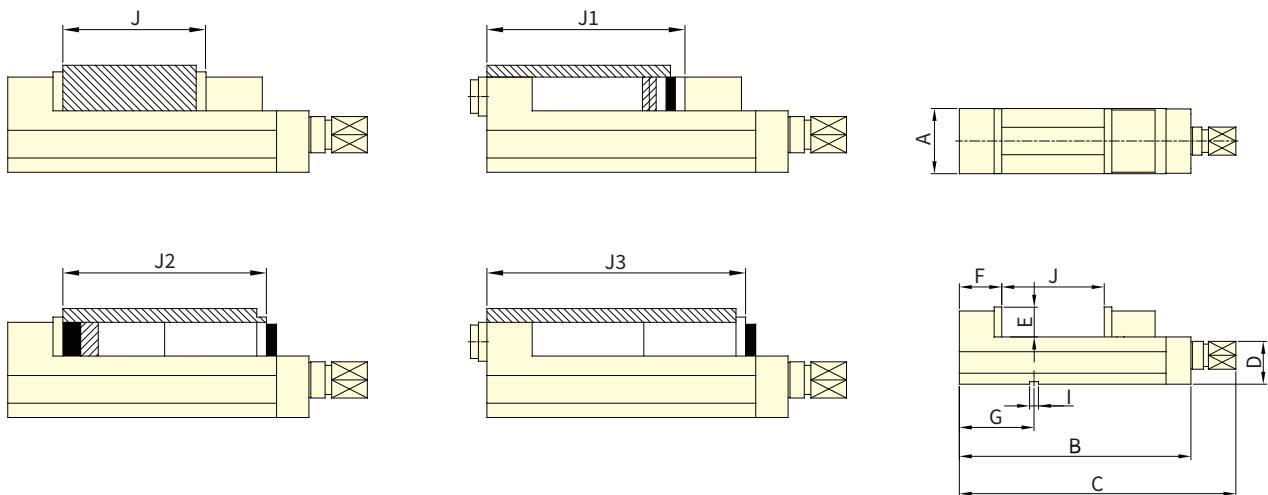
Subject to technical changes

DIMENSIONS

Model	A	B	C	D	E	F	G	G1	G2	H	I	J	K	L	M
MVSC-764	76	102	35	21	18.5	2.5	45	78	82	49	51	38	30	52	52
MVSC-1275	127	127	42	33	30	2.5	47	91	96	52	63.5	63.5	50.8	96	96
MVSC-1276	127	153	42	33	30	2.5	73	117	122	78	76.5	63.5	50.8	96	96
MVSC-1278	127	210	42	33	30	2.5	130	167	172	135	105.5	63.5	50.8	96	96
MVSC-12710	127	255	42	33	30	2.5	175	219	226	180	127.5	63.5	50.8	96	96
MVSC-15010	150	255	57	37	34	2.5	143	207	212	148	127.5	75	100	96	96



- One-piece casting of the vise bed and movable jaw offers outstanding rigidity and stability, ideal for precision machining.
- The down-thrust spherical segment mechanism applies downward clamping force to eliminate jaw lifting and workpiece tilting, enhancing positioning accuracy and jaw longevity.
- The body is made of high-tensile ductile iron FCD60 (equivalent to GGG60), offering durability and strength for heavy-duty machining.
- Slideways are flame-hardened to HRC 45° for excellent wear resistance, maintaining long-term accuracy during extended use.



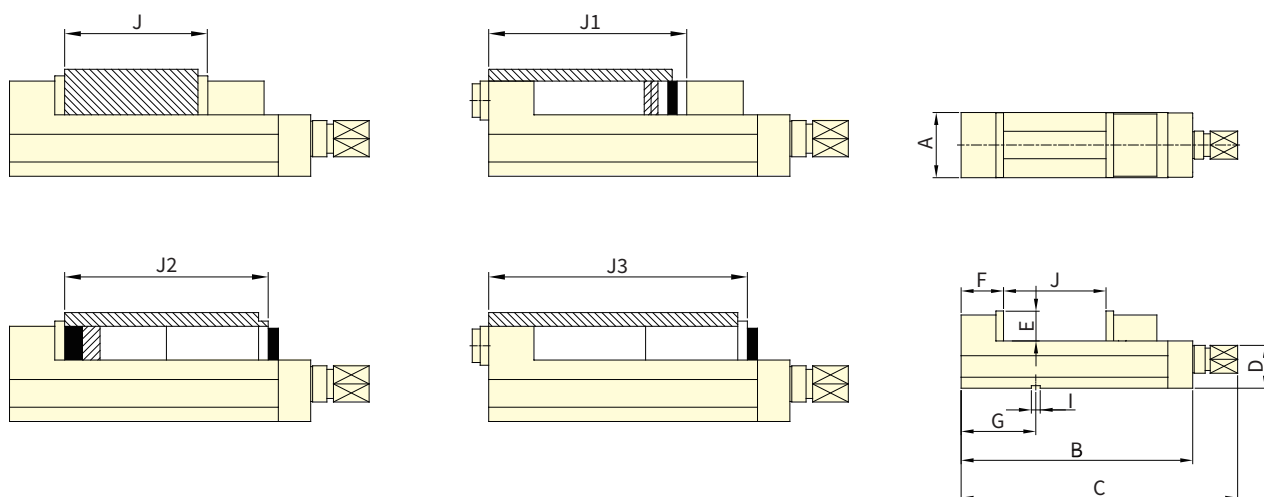
Subject to technical changes

DIMENSIONS

MODEL	A	B	C	D	E	F	G	I	Jaw Opening(Max.)				Clamping Force (kgf)	Weight (kgs)
									J	J1	J2	J3		
MVRH-100V	101	380	480	85	48	80	125	16	135	200	240	330	4000	27
MVRH-130V	131	445	545	95	55	85	150	18	190	250	300	390	5000	40
MVRH-160V	161	535	635	105	58	100	165	18	250	330	370	480	5500	58
MVRH-160VL	161	585	685	105	58	100	165	18	300	380	420	530	5500	62
MVRH-200V	201	610	710	110	63	108	190	18	300	370	430	550	6900	81



- One-piece casting of the vise bed and movable jaw ensures excellent rigidity, enhancing clamping stability and durability.
- The down-thrust spherical segment mechanism generates downward force during clamping, preventing jaw lifting and workpiece tilting—improving machining accuracy and jaw life.
- Constructed from high-tensile ductile iron (FCD60 / equivalent to GGG60) with a tensile strength of 60 kgf/mm² (approx. 80,000 psi), suitable for demanding machining conditions.
- Flame-hardened slideways (HRC 45°) provide superior wear resistance, maintaining consistent clamping performance even under prolonged use.



Subject to technical changes

DIMENSIONS

MODEL	A	B	C	D	E	F	G	I	Jaw Opening(Max.)				Clamping Force (kgf)	Weight (kgs)
									J	J1	J2	J3		
MVRE-100V	101	400	490	85	48	80	125	16	155	200	240	33	3000	27
MVRE-130V	131	645	555	95	55	85	150	18	230	250	300	390	3500	40
MVRE-160V	161	555	645	105	58	100	165	18	300	330	370	480	4000	60
MVRE-160VL	161	615	705	105	58	100	165	18	350	380	420	530	4000	62
MVRE-200V	201	630	720	110	63	108	190	18	340	370	430	550	4500	81