CHUCK

4-Jaw Lever Type Power Operated Chuck with Closed Centre

HW series

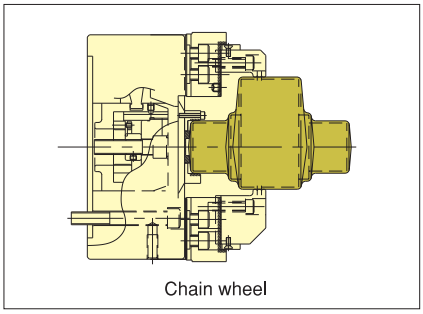
Steadily grips block, oval, or any irregular shaped works
Self Centring Mechanism (2+2 Jaws)

●Self Centring Mechanism
2 independent Jaw sets give Dual Action clamping allowing irregular shapes to be easily gripped. Consequently, it is the best to chuck a deformed work such as a square shape and elliptical shape.

●Long Stoke
Long Jaw Stroke ensures components with variation are gripped securely.

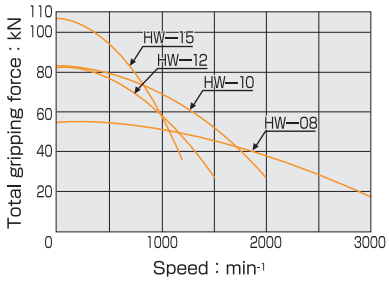
＊CE correspondence

Gripping Example

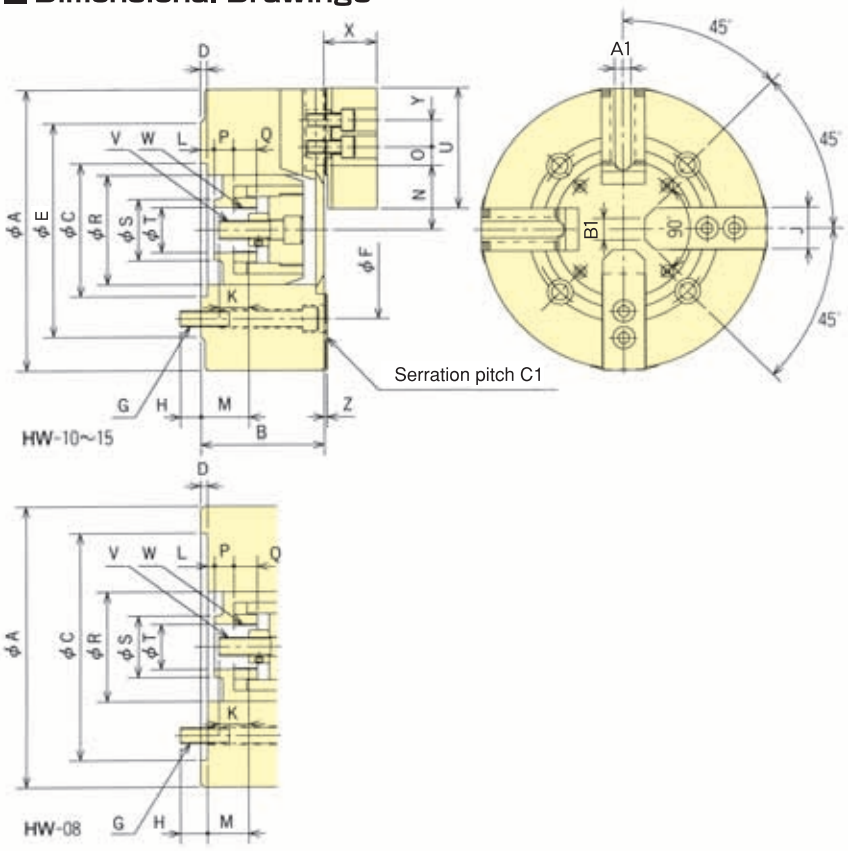


Gripping Characteristic Graphs

※With standard blank soft top jaw.



Dimensional Drawings



Dimensions

Model \ Dimensions	A	B	C (H6)	D	E	F	G	H	J	K	L max.	L min.	M max.	M min.	N max.	N min.	O max.	O min.	P	Q	R	S	T	U	V	W	X	Y	Z	A1	B1	C1
HW-08	210	91	170	5	–	133.4	4-M12	20	31	29	10.5	−6.5	39	22	50.3	43.7	28.75	9.25	17.5	17	82	46	34	90	M14×2.0	M34×1.5	39	20	2	12	16	1.5
HW-10	270	110	120	5.5	200	170	4-M16	24	40	31	18	−4	49	27	64	56	28	13	20	20	103	58	42	110	M16×2.0	M42×1.5	45	30	5	16	–	3.0
HW-12	304	110	120	5.5	200	170	4-M16	24	40	31	18	−4	49	27	64	56	49	13	20	20	103	58	42	110	M16×2.0	M42×1.5	45	30	5	16	–	3.0
HW-15	381	135	195	7.5	285	235	4-M20	30	50	55	26	1	59.5	34.5	78	69.5	66.5	12.5	18.5	24	130	78	55	129	M20×2.5	M55×2	53	38	5	18	–	3.0

Specifications

Model \ Specifications	Gripping range mm Max.	Gripping range mm Min.	Jaw Stroke (diameter) mm	Plunger Stroke mm	Max. Draw Bar※ (Per of Plunger) kN (kgf)	Max. Gripping Force※ (Per of Jaw) kN (kgf)	Max. Speed min-1	Net Weight with Soft top jaws kg	Moment of inertia kg·m²	Matching Cylinder	Max. pressure MPa(kgf/cm²)	Matching Soft top jaw
HW-08	210	26	13.2	17	16.5 (1683)	28 (2855)	3000	23	0.153	YW1220R	1.71 (17.4)	SB08A2Q
HW-10	270	54	16	22	23 (2345)	42 (4283)	2000	50	0.500	YW1225R	2.29 (23.4)	SB10A2Q
HW-12	304	54	16	22	23 (2345)	42 (4283)	1500	58	0.700	YW1225R	2.29 (23.4)	SB10A2Q
HW-15	381	63	17	25	28 (2855)	54 (5506)	1200	118	2.25	YW1225R	2.73 (27.8)	SB15A2Q

※In chuck total, both maximum allowable input value and static gripping force value are double on the above list.
※The movement order of jaw cannot be assigned in combination with YW cylinder. (Contact to Kitagawa when assignment is required.)