



**CHUCK**

# 4-Jaw Lever Type Power Operated Chuck with Closed Centre

## HW series

Steadily grips block, oval, or any irregular shaped work-pieces  
**Self Centring Mechanism (2+2 Jaws)**



Standard Chuck

### ● Self Centring Mechanism

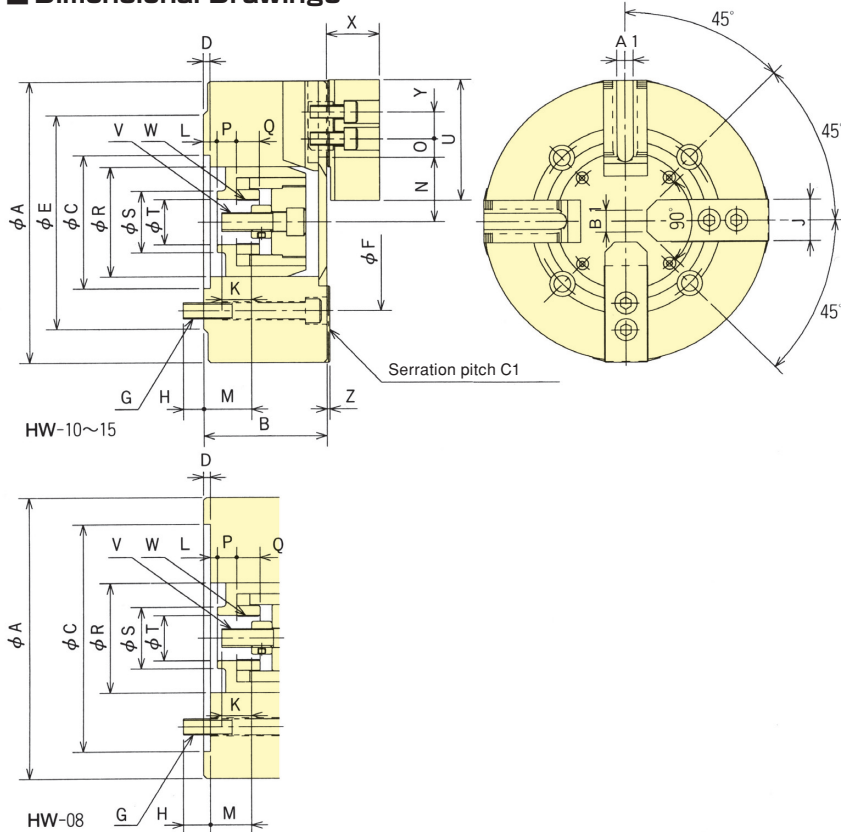
2 independent Jaw sets give Dual Action clamping allowing irregular shapes to be easily gripped. Consequently, it is the best to chuck a deformed work-piece such as a square shape and elliptical shape.

### ● Long Stroke

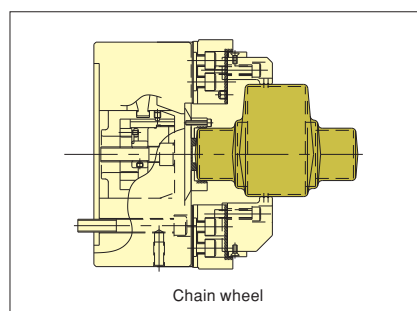
Long Jaw Stroke ensures components with variation are gripped securely.

\*CE correspondence

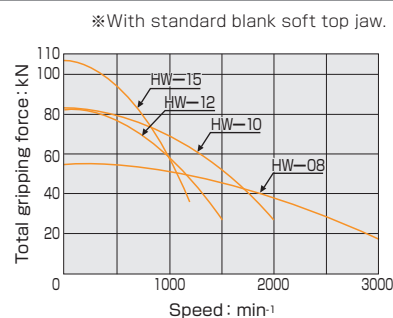
### ■ Dimensional Drawings



### Gripping Examples



### Gripping Characteristic Graphs



### ■ Dimensions

Model	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	-	1334	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	M14x2.0	M34x1.5	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	M16x2.0	M42x1.5	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	M16x2.0	M42x1.5	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	M20x2.5	M55x2	53	38	5	18	-	3.0	

### ■ Specifications

\*Gripping dia./gripping range is with standard soft jaws.

Model	Gripping range (mm)		Jaw Stroke (diameter) (mm)	Plunger Stroke (mm)	Max. Draw Bar (Per of Plunger) (kN)	Max. Gripping Force (Per of Jaw) (kN)	Max. Speed (min⁻¹)	Net Weight with Soft top jaws (kg)	Moment of Inertia (kg·m²)	Matching Cylinder	Max. pressure (MPa)	Matching Soft top jaw
	HW-08	210	23	13.2	17	16.5	28	3000	23	0.153	YW1220R/RE	1.71
HW-10	270	50	16	22	23	42	2000	50	0.500	YW1225R/RE	2.29	SJ10A2Q
HW-12	304	50	16	22	23	42	1500	58	0.700	YW1225R/RE	2.29	SJ10A2Q
HW-15	381	59	17	25	28	54	1200	118	2.25	YW1225R/RE	2.73	SJ15A2Q

\*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)