

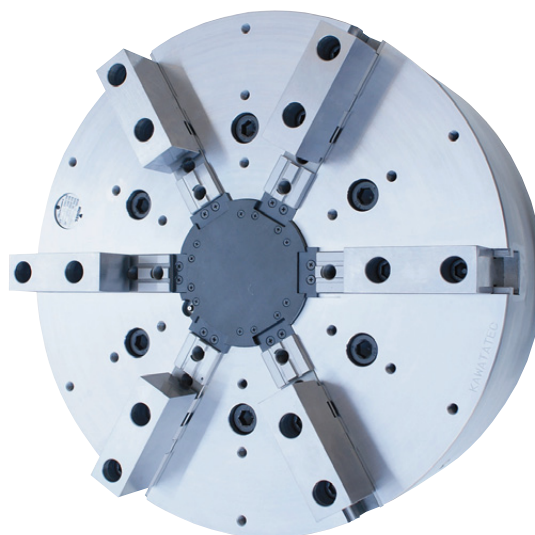
Solutions for ring machining

FLC series

- Long jaw stroke 86mm (DIA)
- Centrifugal force compensation
- With chip cover for vertical use

FCH series

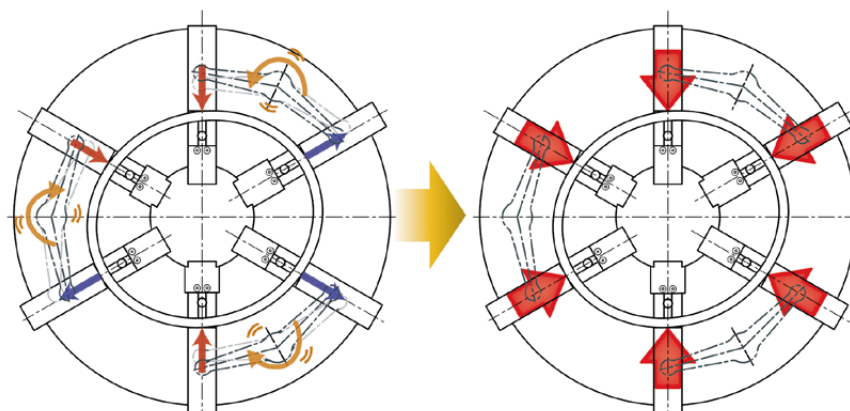
- Jaw stroke 28.6mm (DIA)
- Pitch 7mm square serration
- With chip cover for vertical use



POWER CHUCK

Floating function

- Floating function included inside the chuck.
- Allows for equal clamping at 6 points in the first process of ring materials with low circularity. (*Our experimental data reveals that circularity is improved on average by four times with respect to general 6-jaw chucks.)

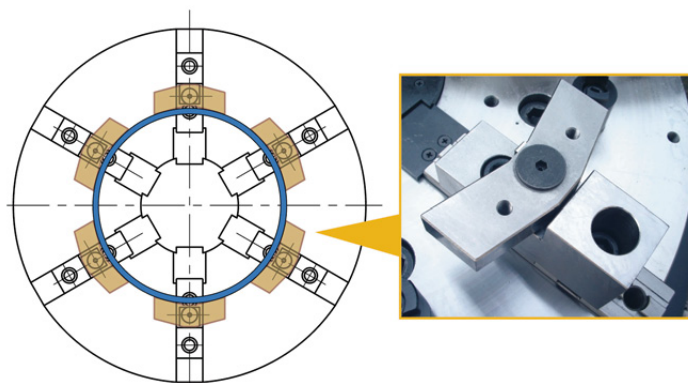


Adjacent jaws are equalized in accordance with the shape of a workpiece.

Six jaws clamp a workpiece with equal force.

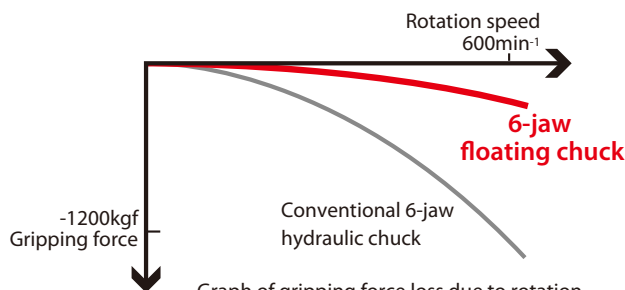
12-jaw floating spec with pendulum jaw

- Each floating jaw is attached with a pendulum jaw and clamped equally at 12 points to realize greater improvement in circularity. (*Our experimental data reveals that circularity is improved on average by 6.5 times with respect to general 6-jaw chucks.)

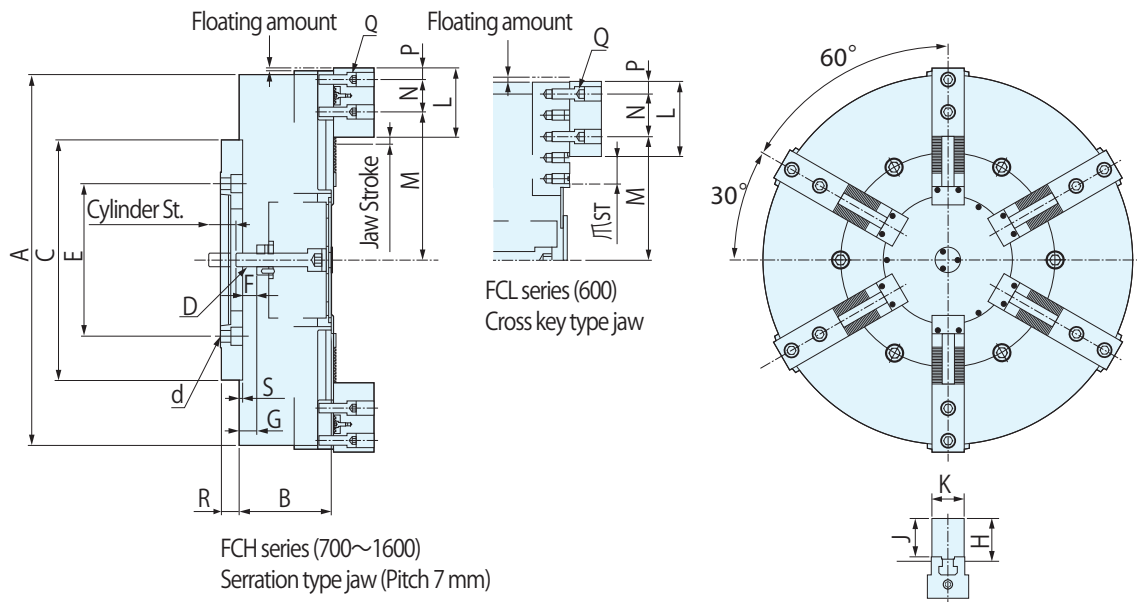


Centrifugal force compensation function (FLC Series)

- Decrease in gripping force due to rotation is approximately one-fifth of that of conventional hydraulic chucks. If a thin workpiece is chucked loosely due to concerns about deformation, there are no concerns about a flying out workpiece.



Graph of gripping force loss due to rotation
*At maximum gripping position / When soft jaw used



FCH series (700~1600)
Serration type jaw (Pitch 7 mm)

FCL series (600)
Cross key type jaw

■ Reference (Detailed dimensions are decided after discussion)

Unit(mm)

Model	A	B	C	E	d	D	F	G	H	J	K	L	M		N	P	Weight kg	
													MIN	MAX				
FLC 600																		
ST				-	-													360
A2-11	600	200	380	235	6-M20	M30 (P3.5)	50	24	68	60	45	135	147	223	76.2	22.39	395	
A2-15				330.2	6-M24												380	
FCH 700				235	8-M20													545
A2-11	700	200	520	330.2	8-M24	M30 (P3.5)	60	39	92	82	69	150	180	270	70	25	530	
A2-15				463.6	8-M24												510	
A2-20				463.6	8-M24												510	
FCH 800				235	8-M20													665
A2-11	800	200	520	330.2	8-M24	M30 (P3.5)	60	39	92	82	69	150	181	320	70	25	650	
A2-15				463.6	8-M24												630	
A2-20				463.6	8-M24												630	
FCH 1000				330.2	8-M24													900
A2-15	1000	200	520	463.6	8-M24	M36 (P4.0)	65	39	112	102	74	170	204	399	80	30	880	
A2-20				463.6	8-M24												880	
FCH 1250				330.2	8-M24													1300
A2-15	1250	210	520	463.6	8-M24	M36 (P4.0)	65	49	112	102	74	170	217	517	80	30	1280	
A2-20				463.6	8-M24												1280	
FCH 1400				330.2	8-M24													1480
A2-15	1400	210	520	463.6	8-M24	M36 (P4.0)	65	49	112	102	74	170	257	592	80	30	1460	
A2-20				463.6	8-M24												1460	
FCH 1600				330.2	8-M24													1900
A2-15	1600	220	720	463.6	8-M24	M36 (P4.0)	65	59	112	102	74	170	287	692	80	30	1900	
A2-20				463.6	8-M24												1880	

Model	Q	R	S	Jaw Stroke (Radius)	Cylinder Stroke	Floating Amount	Allowable Cylinder Force kN	Gripping Force kN	Max. Speed min ⁻¹	Soft jaw	Cylinder (Option)
FLC 600	M16	40	8	43	50	±2	108	68	850	SJ 135	HS1250 HS2050
FCH 700	M20	40	8	14	50	±1.5	64	127	560	SJV 150	HS2050
FCH 800	M20	40	8	14	50	±1.5	64	127	500	SJV 150	HS2050
FCH 1000	M20	40	8	14	50	±2	82	166	430	SJV 170	HS2050
FCH 1250	M20	40	8	14	50	±2	82	166	350	SJV 170	HS2050
FCH 1400	M20	40	8	14	50	±2	82	166	290	SJV 170	HS2050
FCH 1600	M20	40	8	14	50	±2	82	166	230	SJV 170	HS2050