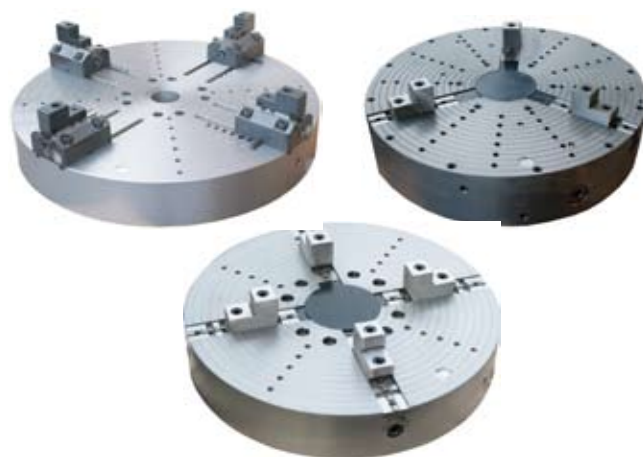
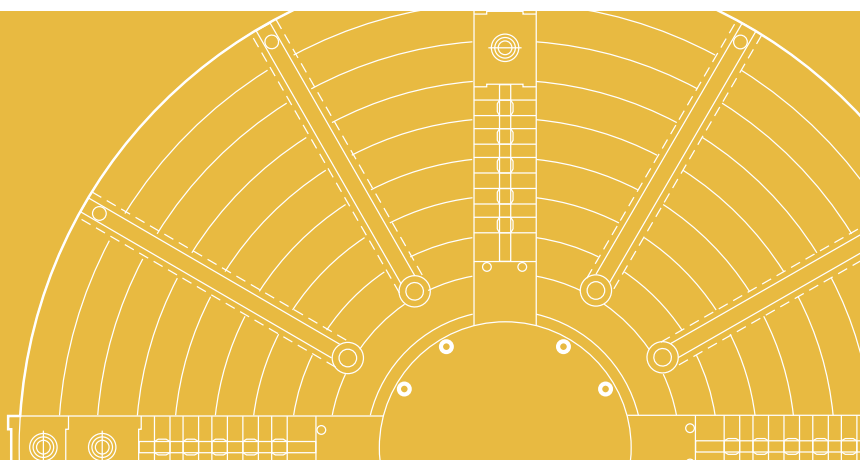
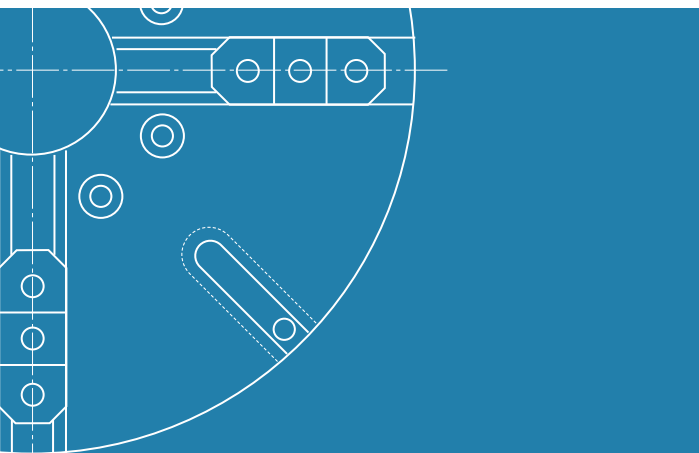


NOBEL CHUCK

for  **OKUMA**

2SP-V, VR, VTM series



KAWATATEC has been producing peripheral devices for machine tools since 1933. Many of these products have been integrated into machines and are highly valued throughout the world. Furthermore, these technologies are also utilized in other products such as welding machines, semiconductor-glass machines, and various jigs.

PALLET CHANGER
TOOL CHANGER

3 PRODUCT GROUPS
IN KAWATATEC

TOUCHDEX AND
MACHINING CENTER
ACCESSORIES

NOBEL
CHUCK

NOBEL CHUCK



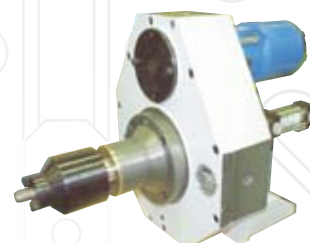
SERIES 41
Heavy duty, Large thru hole
INDEPENDENT CHUCK



SERIES PH
For machining pipes
5 JAWS SCROLL CHUCK

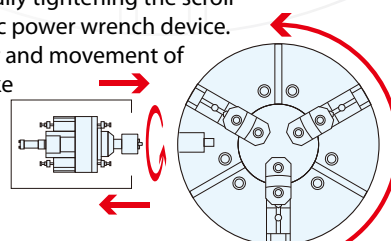


POWER WRENCH CHUCK



POWER WRENCH

System for automatically tightening the scroll chuck by the hydraulic power wrench device. Use for pallet changer and movement of the jaw at a long stroke are possible.



SERIES CLK
Jaw stroke 50mm(Diameter)
3 JAWS POWER CHUCK



PALLET CHANGER TOOL CHANGER



APC FOR VTL



PALLET CHANGER



RACK MAGAZINE TYPE ATC

TOUCHDEX AND MACHINING CENTER ACCESSORIES



MACHINING
CHUCK Y-TYPE



TOUCHDEX

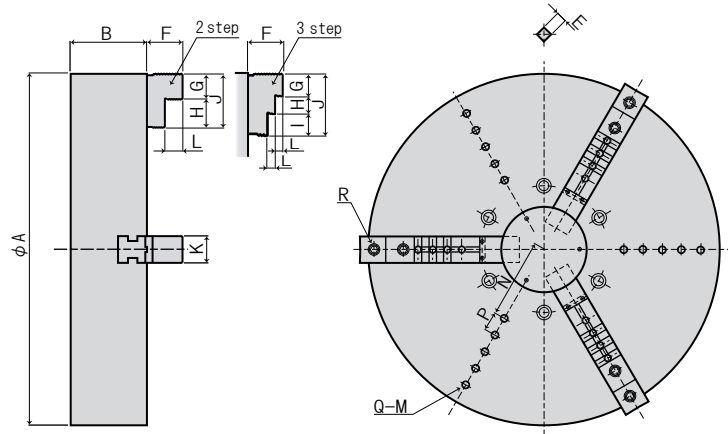


TILTING

Vertical Lathe Correspondence List

	CHUCK MODEL	2SP-V60 V60R	2SP-V80 V80R	V100R	VTM-65	VTM-100	VTM-80YB	VTM-120YB	VTM-200YB
3 JAWS SCROLL CHUCK	SRV610ST	●	●		●	●			
	SRV710ST		●			●	●		
	SRV915ST		●	●		●	●	●	
	SRV1000ST			●		●		●	
	SRV1800ST								●
4 JAWS INDEPENDENT CHUCK	IDV600ST	●	●		●	●			
	IDV700ST		●			●	●		
	IDV915ST		●			●	●	●	
	IDV1000ST			●		●		●	
	IDV1200ST			●				●	
	IDV1800ST								●
FACE PLATE WITH BORING MILL JAWS	FBJ1000ST			●		●		●	
	FBJ1250ST			●				●	
	FBJ2000ST								●
3 JAWS/ 6 JAWS POWER CHUCK	CV530	●			●				
	CV610	●	●		●	●			
	CVH700		●	●	●	●	●		
	CVH800		●	●		●	●		
	CVH1000			●		●		●	
	CVH1250			●				●	
	CVH1400								●
	CVH1600								●
	CVH2000								●
POWER CHUCK WITH BORING MILL JAWS	CVB1000			●		●		●	
	CVB1250			●				●	
	CVB1400								●
	CVB1600								●
	CVB2000								●
4 JAWS (2+2) POWER CHUCK	4HA21	●			●				
	4HA24	●	●		●	●			
	4HA28		●			●			
	4HA32		●			●			

- ~ $\phi 710$: Steel body, $\phi 800 \sim$: Cast iron body
- With chip covers
- One set of hard top jaws are included (Soft jaws not included)



Unit(mm)

MODEL	A	B	E	F	G	H	I	J	K	L	Q-M	N	P	R	Jaw Type
SRV610ST	610	167	22	75	50	38	47	135	60	17.5	3-M16	155	50	M20	3 Step
SRV710ST	710	167	22	75	50	38	47	135	60	17.5	4-M16	155	50	M20	3 Step
SRV915ST	915	200	25.4	92	65	75	—	140	69	46	5-M20	207.5	50	M20	2 Step
SRV1000ST	1000	200	25.4	92	65	75	—	140	69	46	6-M20	200	50	M20	2 Step
SRV1800ST	1800	250	25.4	100	75	95	—	170	79	50	6-M20	300	100	M22	2 Step

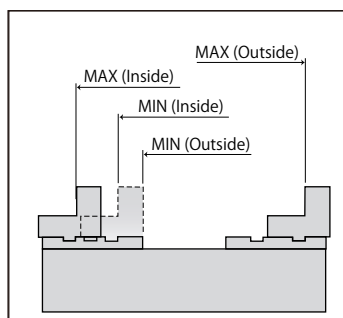
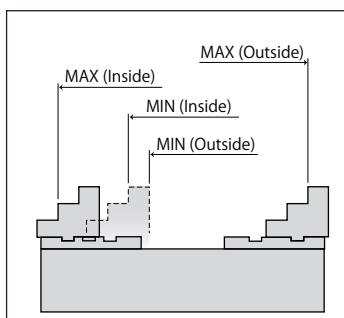
MODEL	Gripping Force kN (kgf)	Wrench Torque N·m(kgf·m)	Max. Speed (min ⁻¹)	Weight (kg)	Soft Jaws
SRV610ST	73 (7500)	392 (40)	800	310	SJ-155
SRV710ST	73 (7500)	392 (40)	650	460	SJ-155
SRV915ST	78 (8000)	490 (50)	500	800	SJ-160
SRV1000ST	78 (8000)	490 (50)	470	900	SJ-160
SRV1800ST	68 (7000)	588 (60)	190	3300	SJ-170

Accessories

- Handle
(Ratchet handle)
- Mounting Bolt
- Eye bolt
- Hard top jaws 1 set
(Soft jaws not included)

* See Page.05 for soft jaw.

* We recommend using a mounting block and not placing workpieces directly on the jaw.
Otherwise, this may influence the accuracy or the operating life.



* Steel body is also available upon request.

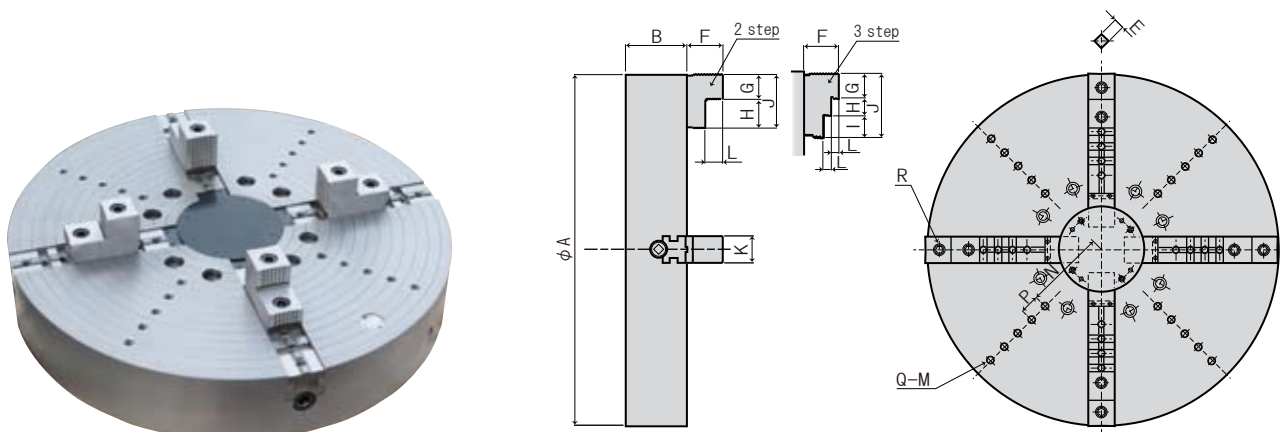
Gripping Range

MODEL	Outside (ϕ mm)		Inside (ϕ mm)	
	M I N	M A X	M I N	M A X
SRV610ST	215	535	315	540
SRV710ST	220	615	320	620
SRV915ST	275	825	405	790
SRV1000ST	275	880	405	845
SRV1800ST	410	1675	560	1640

(attention)

All specifications are subject to change without notice.
Please confirm the above specifications for proper use of the chuck.

- Cast iron body
- With chip covers
- One set of hard top jaws are included (Soft jaws not included)



MODEL	A	B	E	F	G	H	I	J	K	L	Q—M	N	P	R	Jaw Type
IDV600ST	600	120	15	83	60	75	—	135	49	40	3-M16	175	50	M16	2 Step
IDV700ST	700	130	16	75	50	38	47	135	60	17.5	4-M16	175	50	M20	3 Step
IDV915ST	915	160	19	92	65	75	—	140	69	46	5-M20	207.5	50	M20	2 Step
IDV1000ST	1000	160	19	92	65	75	—	140	69	46	6-M20	200	50	M20	2 Step
IDV1200ST	1200	200	19	100	75	95	—	170	79	50	7-M20	250	50	M22	2 Step
IDV1800ST	1800	220	26 (Hex.)	100	75	95	—	170	79	50	6-M20	300	100	M22	2 Step

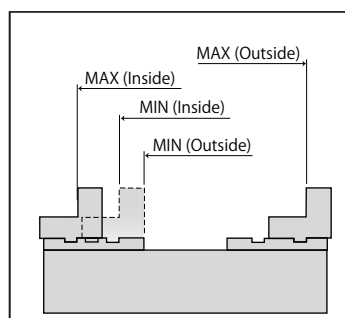
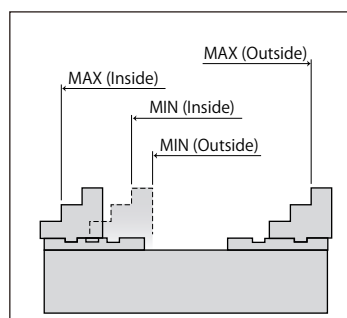
MODEL	Gripping Force Per Jaw kN (kgf)	Wrench Torque N·m (kgf·m)	Max. Speed (min ⁻¹)	Weight (kg)	Soft Jaws
IDV600ST	28 (2900)	314 (32)	950	170	SJ-135
IDV700ST	31 (3200)	343 (35)	700	240	SJ-155
IDV915ST	36 (3700)	490 (50)	540	495	SJ-160
IDV1000ST	36 (3700)	490 (50)	470	550	SJ-160
IDV1200ST	40 (4100)	490 (50)	360	1050	SJ-170
IDV1800ST	49 (5000)	588 (60)	210	2100	SJ-170

* See Page.05 for soft jaw.

* We recommend using a mounting block and not placing workpieces directly on the jaw. Otherwise, this may influence the accuracy or the operating life.

Accessories

- Handle
(Ratchet handle)
- Mounting Bolt
- Eye bolt
- Hard top jaws 1 set
(Soft jaws not included)

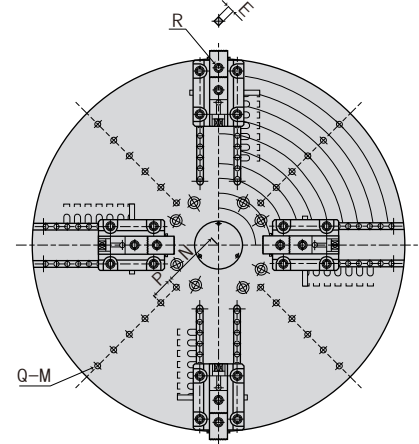
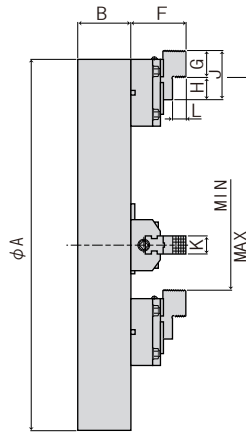


MODEL	Outside (φmm)		Inside (φmm)	
	M I N	M A X	M I N	M A X
IDV600ST	185	480	305	450
IDV700ST	215	625	315	630
IDV915ST	230	855	360	820
IDV1000ST	230	880	360	845
IDV1200ST	260	1080	410	1045
IDV1800ST	400	1680	540	1650

attention All specifications are subject to change without notice.
Please confirm the above specifications for proper use of the chuck.

* Steel body is also available upon request.

- Cast iron body
- Boring mill jaws are 2 piece jaws type.
- One set of hard top jaws are included (Soft jaws not included)
- Attached boring mill jaws are 4T.



Unit(mm)

MODEL	A	B	E	F	G	H	J	K	L	Q-M	N	P	R
FBJ1000ST	1000	140	22	183.5	90	75	165	60	45	6-M20	200	50	M20
FBJ1250ST	1250	180	22	183.5	90	75	165	60	45	6-M20	200	75	M20
FBJ2000ST	2000	180	22	183.5	90	75	165	60	45	7-M20	350	100	M20

MODEL	Gripping Range Per Jaw kN (kgf)	Wrench Torque N·m(kgf·m)	Max. Speed (min ⁻¹)	Plate Weight (kg)	BM Jaw Weight (kg/1pc)	Chuck Total Weight (kg)	Soft Jaws
FBJ1000ST	39 (4000)	441 (45)	500	520	28	632	SJ-155
FBJ1250ST	39 (4000)	441 (45)	300	870	28	982	SJ-155
FBJ2000ST	39 (4000)	441 (45)	190	2500	28	2724	SJ-155

• Boring Mill Jaws

FBJ1000·1250 : 4pcs included
FBJ2000 : 8pcs included

■ Accessories

- Handle
(Ratchet handle)
- Mounting Bolt
- Eye bolt
- Hard top jaws 1set
(Soft jaws not included)

Gripping Range

MODEL	Outside (φmm)		Jaw Stroke (mm)
	M I N	M A X	
FBJ1000ST	280	870	50
FBJ1250ST	310	1120	50
FBJ2000ST	485	1870	50

* See the following for soft jaw.

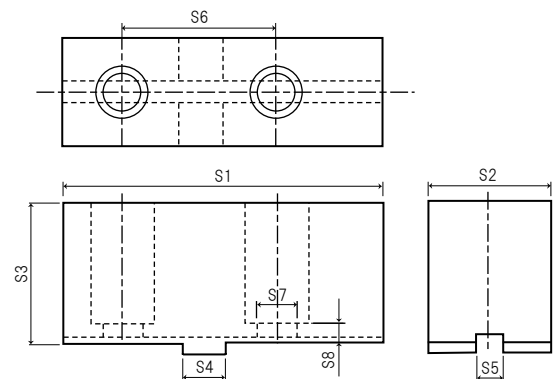
* We recommend using a mounting block and not placing workpieces directly on the jaw. Otherwise, this may influence the accuracy or the operating life.



Unit(mm)

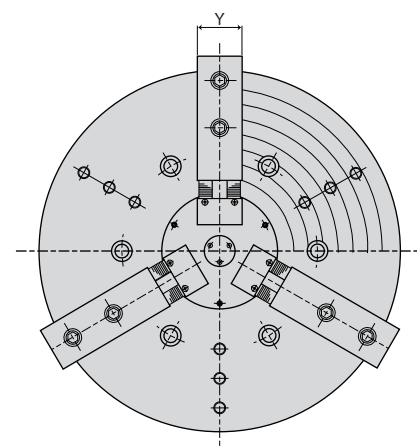
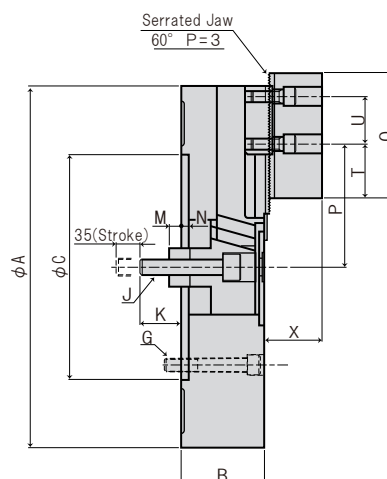
MODEL	S1	S2	S3	S4	S5	S6	S7	S8
SJ-135	135	45	60	19.02	12.7	76.2	18	13
SJ-150	150	49	70	19.02	12.7	76.2	22	10.5
SJ-155	155	59	80	19.02	12.7	76.2	22	10.5
SJ-160	160	74	90	19.02	12.7	76.2	22	10.5
SJ-170	170	74	90	19.02	12.7	76.2	24	10.5

* Mounting bolts not included.



All specifications are subject to change without notice.
Please confirm the above specifications for proper use of the chuck.

- Jaw stroke : 18.6 mm (DIA)
- With chip covers
- One set of soft jaws are included (Hard top jaws not included)
- Cast iron body



Unit(mm)

MODEL	CV 530	CV 610
A	530	610
B	140	140
C	300	380
G	M20	M22
J	M30 P3.5	M30 P3.5
K	70 ~ 105	70 ~ 105
O	180	210
U	60	80
T	80	90
P	MAX	207.5
	MIN	111.5
X	78	98
Y	65	75
M	20 ~ 55	20 ~ 55
N	10	13

MODEL	CV 530	CV 610
Jaw Stroke(DIA) mm	18.6	18.6
Plunger Stroke mm	35	35
* Gripping DIA mm	MAX 490 MIN 70	560 70
Max Speed min ⁻¹	1000	850
Allowable Plunger Force kN(kgf)	49(5000)	49(5000)
Gripping Force (kN)	108	108
GD ² (kgf·m ²)	28	46.5
Weight kg	200	250
Cylinder	ϕ 150 × 35L	ϕ 150 × 35L

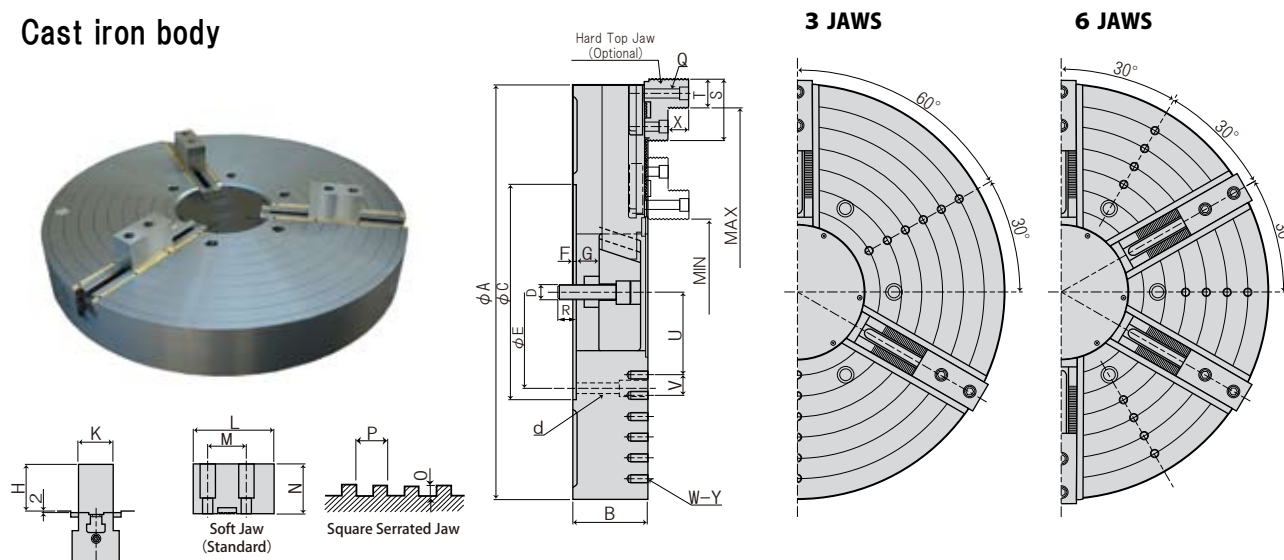
* The gripping diameter is a reference value when soft jaws are used.

* We recommend using a mounting block and not placing workpieces directly on the jaw. Otherwise, this may influence the accuracy or the operating life.



All specifications are subject to change without notice. Please confirm the machine specifications with the machine manufacturer in addition to the above specifications for proper use of the hydraulic chuck (auto jaw).

- Jaw Stroke : 30mm (DIA)
- With chip covers
- One set of soft jaws are included (Hard top jaws not included)
- Cast iron body



Unit (mm)

MODEL	CVH 700		CVH 800		CVH 1000		CVH 1250		CVH 1400		CVH 1600		CVH 2000
	3-JAW	6-JAW	3-JAW	6-JAW	3-JAW	6-JAW	3-JAW	6-JAW	3-JAW	6-JAW	3-JAW	6-JAW	3-JAW
A	700		800		1000		1250		1400		1600		2000
B	170		170		180		180		200		220		250
C(H6)	380 ^{+0.036} ₀		380 ^{+0.036} ₀		520 ^{+0.044} ₀		520 ^{+0.044} ₀		520 ^{+0.044} ₀		720 ^{+0.05} ₀		720 ^{+0.05} ₀
E	330.2		330.2		463.6		463.6		463.6		647.6		647.6
F	8		8		8		8		8		8		10
G	55		55		56		56		76		96		104
H	80		80		100		100		100		100		120
K	69		69		74		74		74		74		99
D	M30 (P=3.5)		M30 (P=3.5)		M36 (P=4)		M36 (P=4)		M36 (P=4)		M36 (P=4)		M42 (P=4.5)
Q	M20		M20		M20		M20		M20		M20		M24
S	120		120		150		150		150		150		180
T	50		50		70		70		70		70		85
X	40		40		50		50		50		50		60
P	7		7		7		7		7		7		7
O	3		3		3		3		3		3		3
L	150		150		170		170		170		170		200
M	70		70		80		80		80		80		100
N	86		86		106		106		106		106		120
R	40		40		44		44		24		4		21
d	6-M22×130		6-M22×130		6-M24×140		6-M24×140		6-M24×160		6-M24×180		9-M30
U	175 225		175 225		200 300		225 325		250 300		300 400		400
V	50		50		50		50		50		50		100
W-Y	4-M16 3-M16		5-M16 4-M16		6-M20 4-M20		8-M20 6-M20		9-M20 8-M20		10-M20 8-M20		6-M24

MODEL	CVH 700		CVH 800		CVH 1000		CVH 1250		CVH 1400		CVH 1600		CVH 2000
	3-JAW	6-JAW	3-JAW	6-JAW	3-JAW	6-JAW	3-JAW	6-JAW	3-JAW	6-JAW	3-JAW	6-JAW	3-JAW
Jaw Stroke(DIA) mm	30		30		30		30		30		30		30
Plunger Stroke mm	50		50		50		50		50		50		50
* Gripping DIA mm	MAX 610		705		875		1110		1265		1460		1840
	MIN 275		300		380		450		520		560		785
Allowable Plunger Force kN(kgf)	64 (6500)		64 (6500)		82 (8400)		82 (8400)		82 (8400)		82 (8400)		98 (10000)
Gripping Force kN(kgf)	118 (12000)		118 (12000)		152 (15500)		152 (15500)		152 (15500)		152 (15500)		186 (19000)
Max Speed min ⁻¹	750 550		650 450		480 340		360 270		300 240		240 200		150
GD ² kN·m ² (kgf·m ²)	0.8 (86)	1.0 (98)	1.4 (150)	1.6 (157)	3.0 (300)	3.2 (325)	6.5 (664)	6.9 (703)	12.8 (1303)	13.2 (1343)	22.3 (2278)	22.6 (2304)	56.6 (5780)
Weight kg	350	400	470	490	600	650	850	900	1330	1370	1780	1800	2890

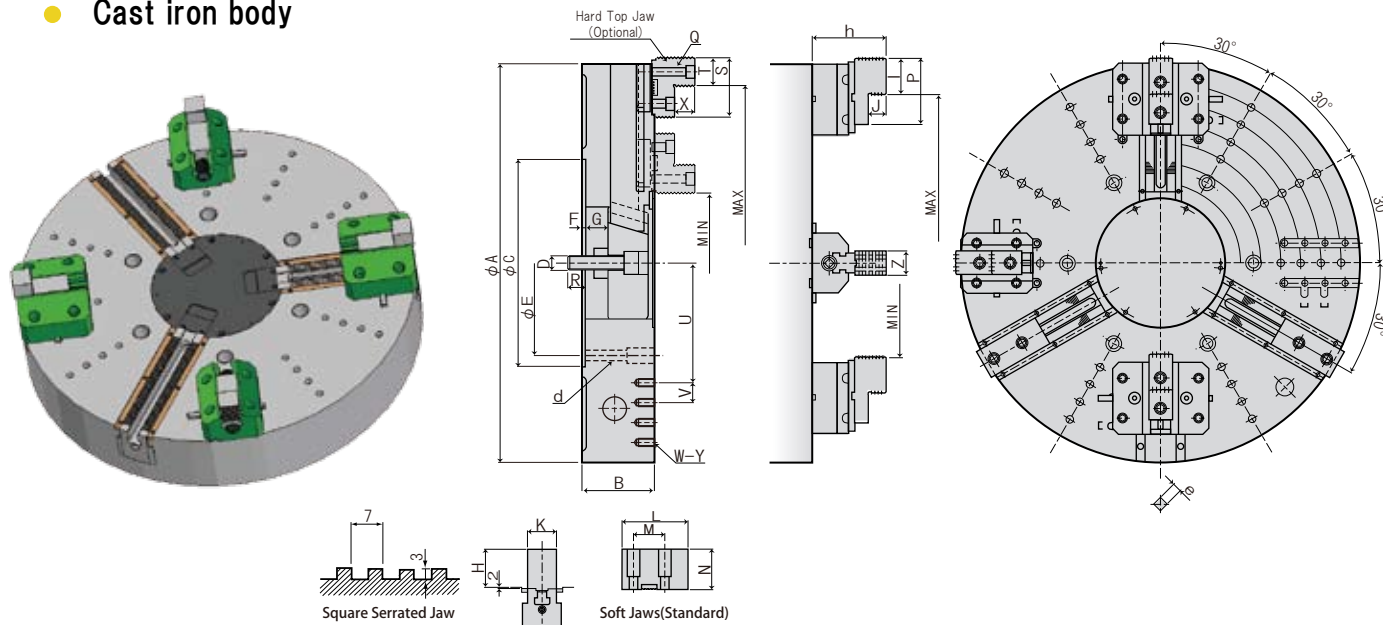
* The gripping diameter is a reference value when soft jaws are bored.

* We recommend using a mounting block and not placing workpieces directly on the jaw. Otherwise, this may influence the accuracy or the operating life.



All specifications are subject to change without notice. Please confirm the machine specifications with the machine manufacturer in addition to the above specifications for proper use of the hydraulic chuck (auto jaw).

- Plunger Stroke : 30mm (DIA)
- With chip covers
- One set of soft jaws for power chuck and one set of hard top jaws for boring mill jaws are included.
- Cast iron body



Unit(mm)

MODEL		CVB 1000	CVB 1250	CVB 1400	CVB 1600	CVB 2000
		3-JAW	3-JAW	3-JAW	3-JAW	3-JAW
A		1000	1250	1400	1600	2000
B		180	180	200	220	250
C, E, F, G, H, K, D, Q, S, T, X, L, M, N, R, d		Refer to the specifications list of the CVH series.				
U		300	325	300	400	400
V		50	50	50	50	100
W-Y		4-M20	6-M20	8-M20	8-M20	6-M24
h		183.5	183.5	183.5	183.5	235
I		90	90	90	90	95
J		45	45	45	45	60
P		165	165	165	165	190
Z		60	60	60	60	80
e		15	22	22	22	26 (六角)
Auto Jaw Specifications	Auto Jaw Stroke(DIA) mm	30	30	30	30	30
	Plunger Stroke mm	50	50	50	50	50
	Allowable Plunger Force kN(kgf)	82 (8400)	82 (8400)	82 (8400)	82 (8400)	98 (10000)
	Gripping Force kN(kgf)	152 (15500)	152 (15500)	152 (15500)	152 (15500)	186 (19000)
	* Auto Jaw Gripping DIA MAX mm	875	1110	1265	1460	1840
BM Jaws Specifications	Gripping DIA MIN mm	380	450	520	560	785
	Gripping Range Per Jaw kN(kgf)	29.4 (3000)	39 (4000)	39 (4000)	39 (4000)	68 (7000)
	Wrench Torque N·m(kgf·m)	392 (40)	441 (45)	441 (45)	441 (45)	735 (75)
	Boring Mill Jaws MAX mm	885	1120	1270	1470	1870
	Gripping DIA MIN mm	475	460	465	520	635
Soft Jaw		SJ-150	SJ-155	SJ-155	SJ-155	SJ-170
Max Speed min ⁻¹		450	270	250	240	150
GD ² kN·m ² (kgf·m ²)		3.8 (386)	8.1 (824)	14.6 (1493)	24.9 (2538)	64.6 (6590)
Weight kg		770	990	1455	1905	3160

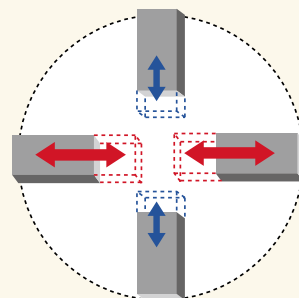
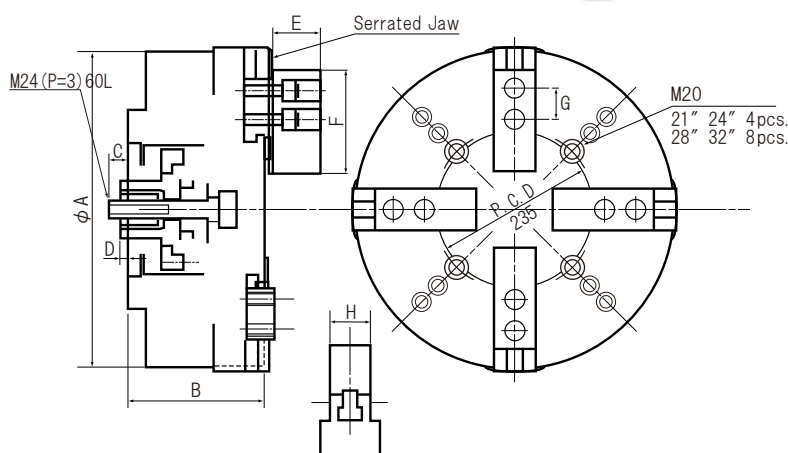
* The gripping diameter is a reference value when soft jaws are bored.

* We recommend using a mounting block and not placing workpieces directly on the jaw. Otherwise, this may influence the accuracy or the operating life.

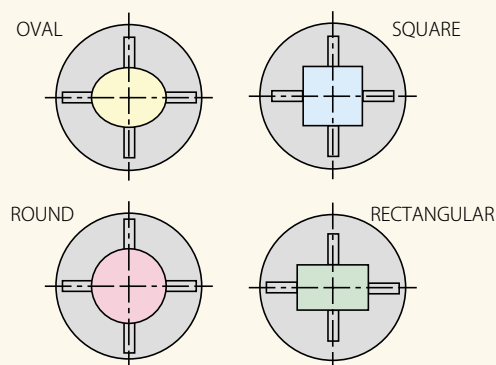


All specifications are subject to change without notice. Please confirm the machine specifications with the machine manufacturer in addition to the above specifications for proper use of the hydraulic chuck (auto jaw).

- Irregularly shaped parts(e.g. those which are almost but not exactly round, square, oval, etc.) can be gripped securely due to the centripetal action of the two parts of jaws which are mounted crosswise.
- With chip covers
- Jaw stroke 26mm (DIA) [4HA21 20mm (DIA)]
- Cast iron body
- One set of soft jaws included (Hard top jaws not included)

4 Jaws Power Chuck


One chuck can hold workpieces of various shapes due to the two opposing sets of jaws which move independently towards the center.



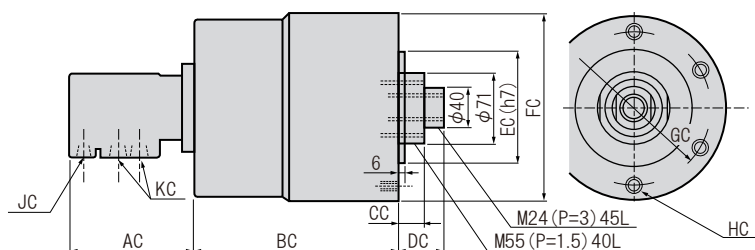
Unit(mm)

MODEL	A	B	C	D	E	F	G	H	Jaw Stroke (DIA)	Plunger Stroke
4HA 21	530	210	20 ~ 45	0 ~ 25	66	165	43	62	20	25
4HA 24	610	270	10 ~ 40	0 ~ 30	90	170	80	62	26	30
4HA 28	710	270	10 ~ 40	0 ~ 30	90	170	80	70	26	30
4HA 32	810	270	10 ~ 40	0 ~ 30	90	170	80	70	26	30

MODEL	Gripping DIA (mm)		Allowable Plunger Force(kN)	Gripping Force(kN) / HYD Force(MPa)	Max Speed min ⁻¹	Cylinder	Weight kg
4HA 21	Max	Min	25	92 / 2.0	1000	HW-1325	310
4HA 24	Max	Min	34	100 / 2.0	850	HW-1530	540
4HA 28	Max	Min	43	125 / 2.5	630	HW-1530	650
4HA 32	Max	Min	43	125 / 2.5	540	HW-1530	750

* We recommend using a mounting block and not placing workpieces directly on the jaw. Otherwise, this may influence the accuracy or the operating life.

Double Rotary Cylinder



Unit(mm)

MODEL	AC	BC	CC	DC	EC	FC	GC	HC	JC	KC	Max Speed (min ⁻¹)	HYD Force	Plunger Force	Weight (kg)
HW-1325	125	200	25~50	45~70	110	185	155	6×M12	Rc 1/8	2-Rc 3/8	1200	2.5MPa	32kN	34
HW-1530	125	231	25~55	45~75	120	265	230	6×M16	Rc 3/8	2-Rc 1/2	800	3 MPa	52kN	50

Machine-Inside Relationship Diagram

2SP-V60・V60R

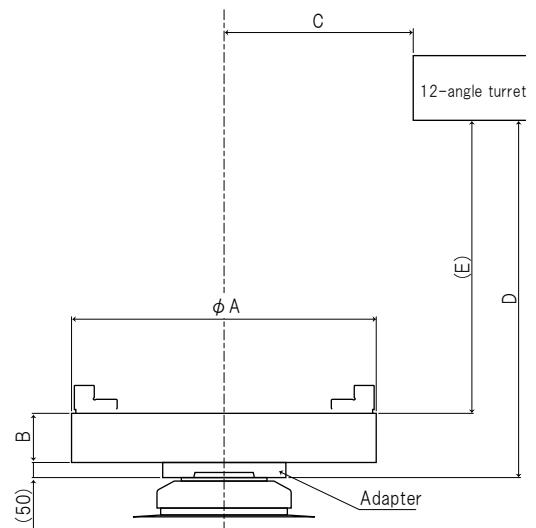
CHUCK MODEL		A	B	C	D	E
3JAWS SCROLL CHUCK	SRV610ST	610	167	440	880	663
4JAWS INDEPENDENT CHUCK	IDV600ST	600	120			710
3JAWS POWER CHUCK	CV530	530	140			690
3JAWS POWER CHUCK	CV610	610	140			690
4JAWS (2+2) POWER CHUCK	4HA21	530	210			620
4JAWS (2+2) POWER CHUCK	4HA24	610	270			560

2SP-V80・V80R

CHUCK MODEL		A	B	C	D	E
3JAWS SCROLL CHUCK	SRV610ST	610	167	535	1040	823
3JAWS SCROLL CHUCK	SRV710ST	710	167			823
3JAWS SCROLL CHUCK	SRV915ST	915	200			790
4JAWS INDEPENDENT CHUCK	IDV600ST	600	120			870
4JAWS INDEPENDENT CHUCK	IDV700ST	700	130			860
4JAWS INDEPENDENT CHUCK	IDV915ST	915	160			830
3JAWS POWER CHUCK	CV610	610	140			850
3/6JAWS POWER CHUCK	CVH700	700	170			820
3/6JAWS POWER CHUCK	CVH800	800	170			820
4JAWS (2+2) POWER CHUCK	4HA24	610	270			720
4JAWS (2+2) POWER CHUCK	4HA28	710	270			720
4JAWS (2+2) POWER CHUCK	4HA32	810	270			720

V100R

CHUCK MODEL		A	B	C	D	E
3JAWS SCROLL CHUCK	SRV915ST	915	200	665	1075	825
3JAWS SCROLL CHUCK	SRV1000ST	1000	200			825
4JAWS INDEPENDENT CHUCK	IDV1000ST	1000	160			865
4JAWS INDEPENDENT CHUCK	IDV1200ST	1200	200			825
FACE PLATE WITH BM JAWS	FBJ1000ST	1000	140			885
FACE PLATE WITH BM JAWS	FBJ1250ST	1250	180			845
3/6JAWS POWER CHUCK	CVH700	700	170			855
3/6JAWS POWER CHUCK	CVH800	800	170			855
3/6JAWS POWER CHUCK	CVH1000	1000	180			845
3/6JAWS POWER CHUCK	CVH1250	1250	180			845
POWER CHUCK WITH BM JAWS	CVB1000	1000	180			845
POWER CHUCK WITH BM JAWS	CVB1250	1250	180			845



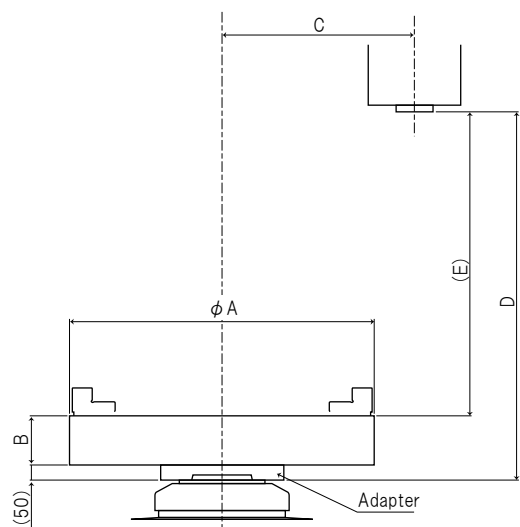
attention The adapter dimensions and E dimensions are reference values.
For the specifications, please confirm with the machine manufacturer.

VTM-65

CHUCK MODEL		A	B	C	D	E
3JAWS SCROLL CHUCK	SRV610ST	610	167	470	1050	833
4JAWS INDEPENDENT CHUCK	IDV600ST	600	120			880
3JAWS POWER CHUCK	CV530	530	140			860
3JAWS POWER CHUCK	CV610	610	140			860
3/6JAWS POWER CHUCK	CVH700	700	170			830
4JAWS (2+2) POWER CHUCK	4HA21	530	210			790
4JAWS (2+2) POWER CHUCK	4HA24	610	270			730

VTM-100

CHUCK MODEL		A	B	C	D	E
3JAWS SCROLL CHUCK	SRV610ST	610	167	620	1170	953
3JAWS SCROLL CHUCK	SRV710ST	710	167			953
3JAWS SCROLL CHUCK	SRV915ST	915	200			920
4JAWS INDEPENDENT CHUCK	IDV600ST	600	120			1000
4JAWS INDEPENDENT CHUCK	IDV700ST	700	130			990
4JAWS INDEPENDENT CHUCK	IDV915ST	915	160			960
3JAWS POWER CHUCK	CV610	610	140			980
3/6JAWS POWER CHUCK	CVH700	700	170			950
3/6JAWS POWER CHUCK	CVH800	800	170			950
4JAWS (2+2) POWER CHUCK	4HA24	610	270			850
4JAWS (2+2) POWER CHUCK	4HA28	710	270			850
4JAWS (2+2) POWER CHUCK	4HA32	810	270			850



attention The adapter dimensions and E dimensions are reference values.
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Machine-Inside Relationship Diagram

VTM-80Yb

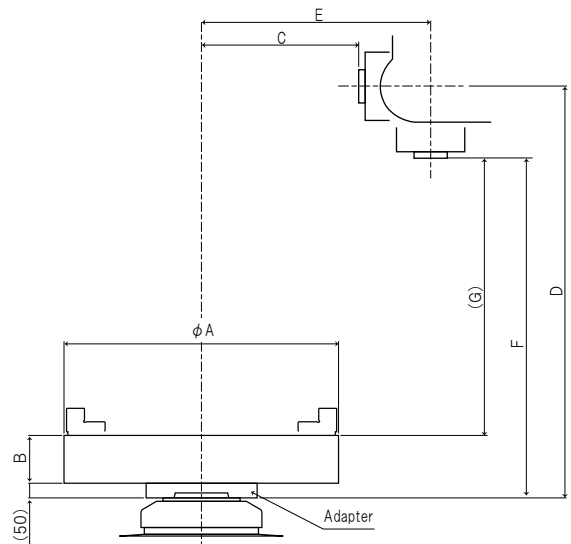
CHUCK MODEL		A	B	C	D	E	F	G
3JAWS SCROLL CHUCK	SRV710ST	710	167	750	1500	1070	1180	963
3JAWS SCROLL CHUCK	SRV915ST	915	200					930
4JAWS INDEPENDENT CHUCK	IDV700ST	700	130					1000
4JAWS INDEPENDENT CHUCK	IDV915ST	915	160					970
3/6JAWS POWER CHUCK	CVH700	700	170					960
3/6JAWS POWER CHUCK	CVH800	800	170					960

VTM-120Yb

CHUCK MODEL		A	B	C	D	E	F	G
3JAWS SCROLL CHUCK	SRV915ST	915	200	900	1445	1220	1125	875
3JAWS SCROLL CHUCK	SRV1000ST	1000	200					875
4JAWS INDEPENDENT CHUCK	IDV915ST	915	160					915
4JAWS INDEPENDENT CHUCK	IDV1000ST	1000	160					915
4JAWS INDEPENDENT CHUCK	IDV1200ST	1200	200					875
FACE PLATE WITH BM JAWS	FBJ1000ST	1000	140					935
FACE PLATE WITH BM JAWS	FBJ1250ST	1250	180					895
3/6JAWS POWER CHUCK	CVH1000	1000	180					895
3/6JAWS POWER CHUCK	CVH1250	1250	180					895
POWER CHUCK WITH BM JAWS	CVB1000	1000	180					895
POWER CHUCK WITH BM JAWS	CVB1250	1250	180					895

VTM-200Yb

CHUCK MODEL		A	B	C	D	E	F	G
3JAWS SCROLL CHUCK	SRV1800ST	1800	250	1230	1900	1550	1580	1280
4JAWS INDEPENDENT CHUCK	IDV1800ST	1800	220					1310
FACE PLATE WITH BM JAWS	FBJ2000ST	2000	180					1350
3/6JAWS POWER CHUCK	CVH1400	1400	200					1330
3/6JAWS POWER CHUCK	CVH1600	1600	220					1310
3JAWS POWER CHUCK	CVH2000	2000	250					1280
POWER CHUCK WITH BM JAWS	CVB1400	1400	200					1330
POWER CHUCK WITH BM JAWS	CVB1600	1600	220					1310
POWER CHUCK WITH BM JAWS	CVB2000	2000	250					1280



(attention) The adapter dimensions and G dimensions are reference values.
For the specifications, please confirm with the machine manufacturer.