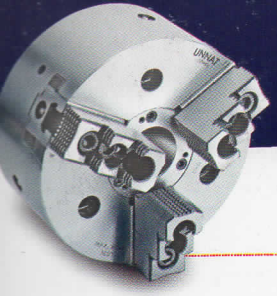
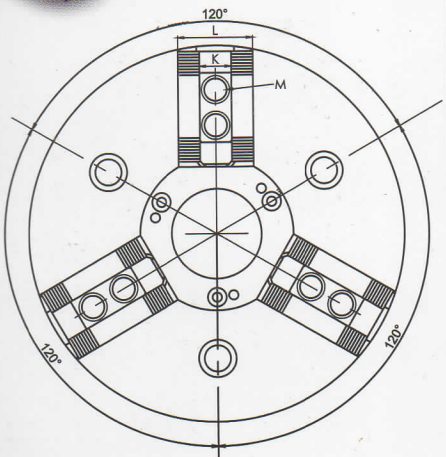
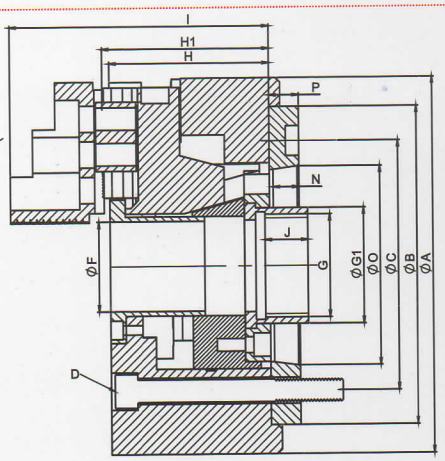
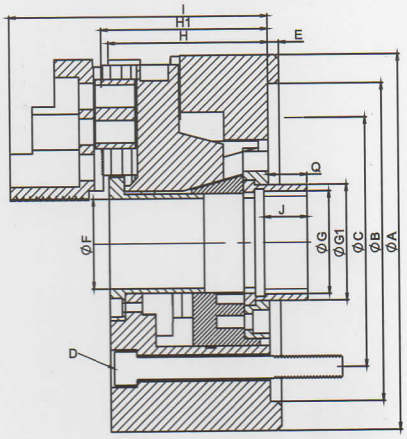


OCD Type







Specifications

All Dimensions in mm

AØ	Chuck Size		135	165	200	250	315
BØ H6	Recess		110	140	170	220	300
CØ	Pitch Circle Diameter (P.C.D.)		82.6	104.8	133.4	171.4	235
D	Mounting Bolt		3xM10	6xM10	3xM12	3xM16	3xM20
E	Recess depth		4	5	6	6	6
FØ	Bore (I.D)		33	35	48	65	82
G	Draw nut Thread		M40x1.5	M42x1.5	M55x2	M72x2	M92x2
G1	Draw nut Outer Diameter		48	48	62	78	102
H	Height from Resting Face		56	77	85	88	85
H1	H + Master Jaws Height		58	80	88.5	91.5	88.5
I	H1 + Top Hard Jaws Height		92	120	146	150	153
J	Draw nut Thread Length		20	27	28	28	28
K H7	T-Slot Thickness		10	12	17	21	21
L	Master Jaw Thickness		23	35	40	45	50
N	Taper Nose Length		10	12	13	14	16
OØ	Taper Nose starting Diameter		65.513	82.563	106.375	139.719	196.869
P	Mounting Plate Thickness		12	15	16	18	20
Q	Draw nut position from resting face	Min	-1.8	5	0.5	0.5	3.5
		Max	8.2	20	20.5	20.5	23.5
Serrations			1/16"x90°	1/16"x90°	1/16"x90°	1/16"x90°	1/16"x90°

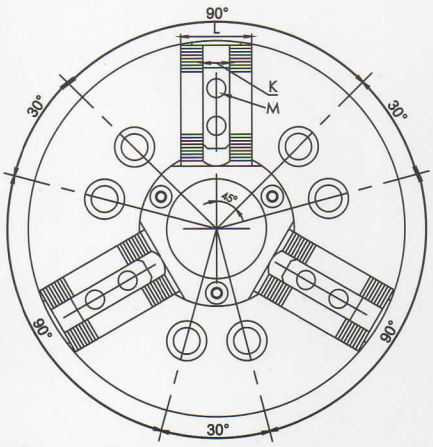
Chuck performance factor

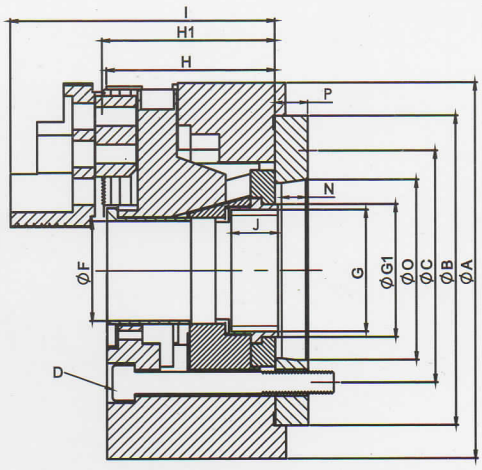
Chuck Size Ø (mm)	135	165	200	250	315
Max Drawbar pull (Kgf)	1780	2000	4000	6000	6000
Max gripping force (Kgf)	3670	5400	8000	12000	13000
R.P.M. (Max)	7000	5000	5000	4000	3200
Weight (Kgs)	7	13	20	28	45
Jaw Stroke (mm)	2.7	3.15	5.3	5.3	5.3

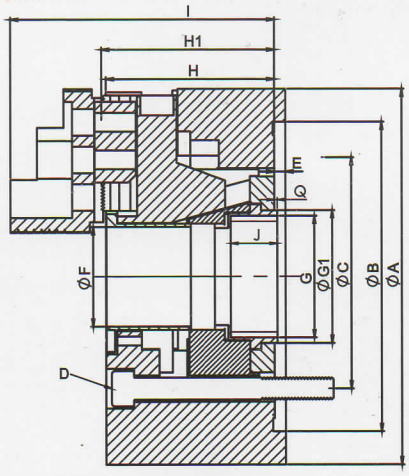
Note: Chucks can be supplied with mounting plate of other International standards as per demand.

UNNAT POWER

OCD K Type







Specifications (B200 Kitagawa Compatible)

All Dimensions in mm

AØ	Chuck Size		135	170	210	254	305
BØ H6	Recess		110	140	170	220	220
CØ	Pitch Circle Diameter (P.C.D.)		82.6	104.8	133.4	171.4	171.4/235
D	Mounting Bolt		3xM10	6xM10	6xM12	6xM16	6xM16
E	Recess depth		4	5	5	5	6
FØ	Bore(I.D)		33	45	52	75	90
G	Draw nut Thread		M36x2	M55x2	M60x2	M85x2	M90x2
G1	Draw nut Outer Diameter		48	60	66	94	108
H	Height from Resting Face		57	76	86	95	104
H1	H + Master Jaws Height		58.5	78	88	97	108
I	H1 + Top Hard Jaws Height		88	112	139	151	155
J	Draw nut Thread Length		20	20	20	20	20
K H7	T-Slot Thickness		10	12	14	16	18
L	Master Jaw Thickness		27	32	37	42	50
N	Taper Nose Length		10	12	13	14	20
OØ	Taper Nose starting Diameter		65.513	82.563	106.375	139.719	139.719/196.869
P	Mounting Plate Thickness		12	15	16	18	22
Q	Draw nut position from resting face	Min	-2.3	-11.2	-11.7	-10	-10
		Max	8.2	1.6	2.25	9	9
Serrations			1.5x60°	1.5x60°	1.5x60°	1.5x60°	1.5x60°

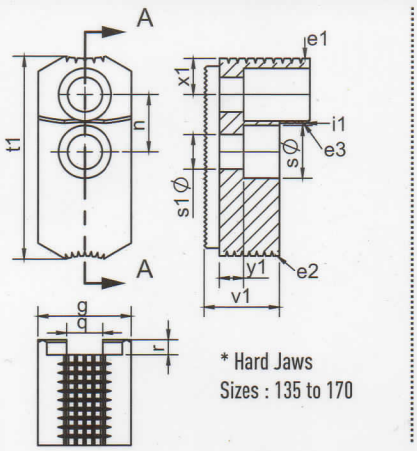
Chuck performance factor

Chuck Size Ø (mm)	135	170	210	254	305
Max Drawbar pull (Kgf)	1600	3000	4000	5000	6000
Max gripping force (Kgf)	3000	7000	9000	10000	13500
R.P.M. (Max)	6000	6000	5000	4200	3200
Weight (Kgs)	9	12	23	35	50
Jaw Stroke (mm)	2.7	2.7	3.7	4.4	4.4

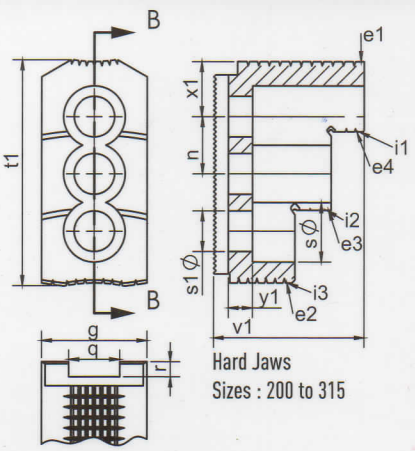
Note: Chucks can be supplied with mounting plate of other International standards as per demand.

Power Operated
HIGH SPEED CHUCKS

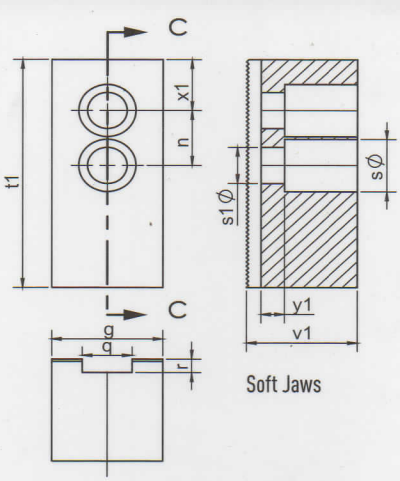
UNNAT® POWER



* Hard Jaws
Sizes : 135 to 170



Hard Jaws
Sizes : 200 to 315



Soft Jaws

Soft Jaw Specifications

Size	135	165	170	200	210	250	254	305	315
g	25	31	31	38	38	45	45	45	45
n	15	19	20	19	25	25	30	30	25
qH7	10	12	12	17	14	21	16	16	21
r	4.5	5	5	5	5	6	6	6	6
s	13.5	17.5	17.5	19.5	19.5	25.4	24.5	24.5	24.5
s1	9.5	11.5	11.5	13.5	13.5	17.5	17.5	17.5	17.5
t1	60	75	75	85	85	110	110	120	120
v1	30	38	38	45	38	60	50	60	60
x1	16	15	15	19	19	25	25	35	35
y1	6	8	8	8	8	8	8	8	8
Serrations	1/16" x 90°	1/16" x 90°	1.5" x 60°	1/16" x 90°	1.5" x 60°	1/16" x 90°	1.5" x 60°	1.5" x 60°	1/16" x 90°

Hard Jaw Specifications

Size	*135	*165	*170	200	210	250	254	305	315
g	26	31	31	40	40	45	40	45	45
n	15	19	20	19	25	25	30	30	25
$q^{+0.05}$	10	12	12	17	14	21	16	16	21
r	4.5	5	5	5	5	6	5	5	6
s	13.5	17.5	17.5	19.5	19.5	24.5	19.5	24.5	24.5
s1	9.5	11.5	11.5	13.5	13.5	17.5	13.5	17.5	17.5
t1	61	68.5	70	77	85	95	100	103	103
v1	30	35	35	52	51	55	54	59	58
x1	11.5	13.5	13.5	19	16.5	24	20	21.5	32
y1	6	8	4	8	8	8	8	10	8
Serrations	1/16" x 90°	1/16" x 90°	1.5" x 60°	1/16" x 90°	1.5" x 60°	1/16" x 90°	1.5" x 60°	1.5" x 60°	1/16" x 90°

Hard Jaw Clamping Range

Size	*135	*165	200	250	315
e1	15-60	22-72	25-99	28-104	42-170
e2	15-30	22-40	25-102	41-124	56-195
e3	80-125	80-129	74-152	123-206	135-275
e4	-	-	124-200	205-250	220-315
i1	60-115	62-136	70-150	76-160	84-218
i2		-	116-190	156-242	236-250
i3	-	-	166-200	236-250	228-315

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