



KD SERIES

SPECIFICATIONS:

3-JAW STRONG SCROLL CHUCKS D1 CAMLOCK DIRECT MOUNTING, 2-PIECE JAWS

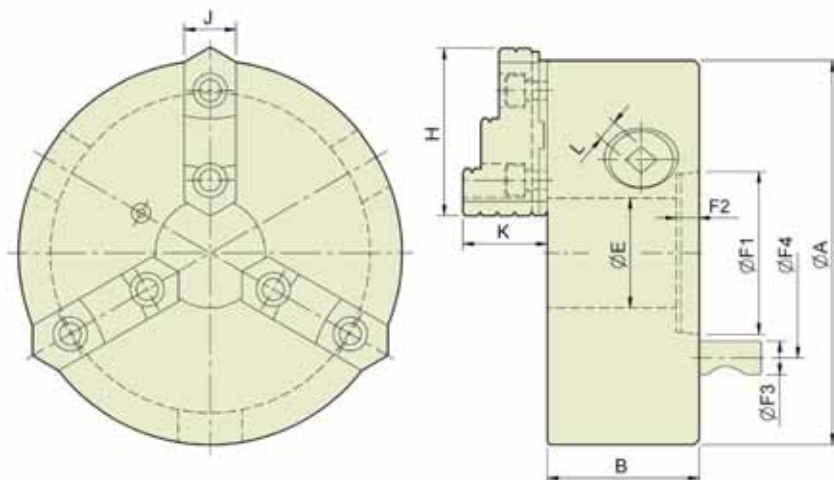
(ASA spindle nose D1-4, D1-5, D1-6, D1-8)

American standard camlock type with 2-piece reversible hard top jaws.

1. Gripping accuracy of 0.03mm(0.0012inch) T.I.R.

2. Standard accessories A chuck wrench and hex. key. One set of mounting bolts.(UNC-bolts)

3. The body is made of MEEHANITE. It is suitably used for high speed revolution and 3 times more durable than regular chucks.



SPECIFICATIONS:

UNIT:mm

Model	Dim Spindle Size	A	B	E	L	H	J	K	Mounting Dimensions				Allowable Handle Torque (kgf-m)	Gripping Force (kgf)	Moment of Inertia I (kg-m ²)	Weight (kg)	Max. Speed (r.p.m.)	Gripping Range	
									F1	F2	F3	F4						O.D. range	I.D. range
KD4-6"	D1-4	165	72	46	10	72	26	39	63.513	13	15.8	82.55	9.0	3300	0.04	11	4000	ø 8-ø150	ø 55-ø150
KD4-8"	D1-4	200	77.2	53	11	82	28	42.2	63.513	15	15.8	82.55	11.5	3600	0.07	18.5	3200	ø 8-ø180	ø 62-ø170
KD5-8"	D1-5	200	77.2	55	11	82	28	42.2	82.583	16	19	104.78	11.5	3600	0.07	18	3200	ø 8-ø180	ø 62-ø170
KD6-8"	D1-6	250	77.2	58	11	82	28	42.2	106.375	17	22.2	133.35	11.5	3600	0.07	17	3200	ø 8-ø180	ø 62-ø170
KD6-10"	D1-6	250	86	76	12	90.9	32	50.8	106.375	17	22.2	133.35	19.5	4800	0.2	29.5	2500	ø 11-ø220	ø 70-ø210
KD6-12"	D1-6	306	107.5	103	14	114.5	40	57.8	106.375	13.5	22.2	133.35	21.0	5100	0.5	47	2200	ø 15-ø300	ø 90-ø290
KD8-10"	D1-8	250	86	80	12	90.9	32	50.8	139.719	19	25.4	171.45	19.5	4800	0.2	27	2500	ø 11-ø220	ø 70-ø210
KD8-12"	D1-8	306	107.5	103	14	114.5	40	57.8	139.719	18	25.4	171.45	21.0	5100	0.5	47	2200	ø 15-ø300	ø 90-ø290



KA SERIES

SPECIFICATIONS:

3-JAW STRONG SCROLL CHUCKS A1 DIRECT MOUNTING, 2-PIECE JAWS

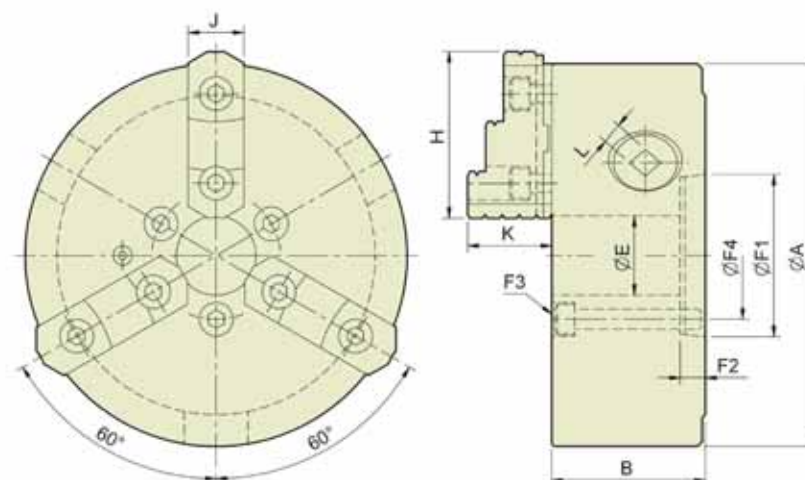
(ASA spindle nose A1-5, A1-6)

American standard camlock type with 2-piece reversible hard top jaws.

1. Gripping accuracy of 0.03mm(0.0012inch) T.I.R.

2. Standard accessories A chuck wrench and hex. key. One set of mounting bolts.(UNC-bolts)

3. The body is made of MEEHANITE. It is suitably used for high speed revolution and 3 times more durable than regular chucks.



SPECIFICATIONS:

UNIT:mm

Model	Dim Spindle Size	A	B	E	L	H	J	K	Mounting Dimensions				Allowable Handle Torque (kgf-m)	Gripping Force (kgf)	Moment of Inertia I (kg-m ²)	Weight (kg)	Max. Speed (r.p.m.)	Gripping Range	
									F1	F2	F3	F4						O.D. range	I.D. range
KA5-8"	A1-5	200	77.2	40	11	81.2	28	42.2	82.563	14.386	3-M10	61.9	11.0	3600	0.07	18	3200	ø 8-ø180	ø 62-ø170
KA6-8"	A1-6	200	77.2	53	11	81.2	28	42.2	106.375	15.878	3-M12	82.5	11.0	3600	0.07	18	3200	ø 8-ø180	ø 62-ø170
KA8-10"	A1-6	250	86	53	12	90.9	32	50.8	106.375	15.878	3-M12	82.5	19.0	4800	0.2	29.5	2500	ø 11-ø220	ø 70-ø210
KA6-12"	A1-6	306	107.5	53	14	114.5	40	57.8	106.375	15.878	3-M12	82.5	21.0	5100	0.5	47	2200	ø 15-ø300	ø 90-ø290
KA8-12"	A1-8	306	107.5	77	14	114.5	40	57.8	139.719	17.46	3-M18	111.1	21.0	5100	0.5	47	2200	ø 15-ø300	ø 90-ø290



SE

SERIES

SPECIFICATIONS:

6-JAW SCROLL CHUCK PLAIN BANK

1. SE types are specially suit for drilling*endmilling*tapping or grinding in tool grinders.
2. Huge bore diameter design for wider application of bar workpieces.
3. SE type feature gripping for thin tube and high roundness accuracy.
4. The body is made of MEEHANITE. It is suitably used for high speed revolution and 3 times more durable than regular chucks.



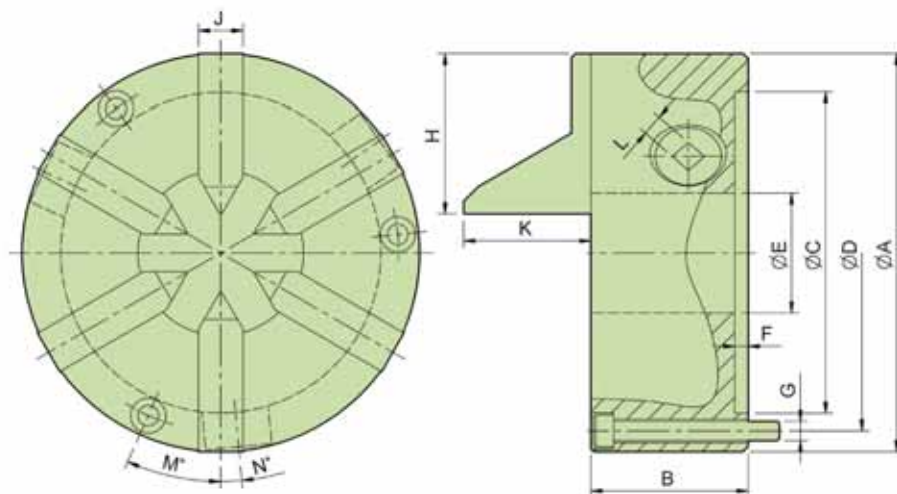
SKC

SERIES

SPECIFICATIONS:

**SOFT JAWS FOR STRONG
SCROLL CHUCKS**

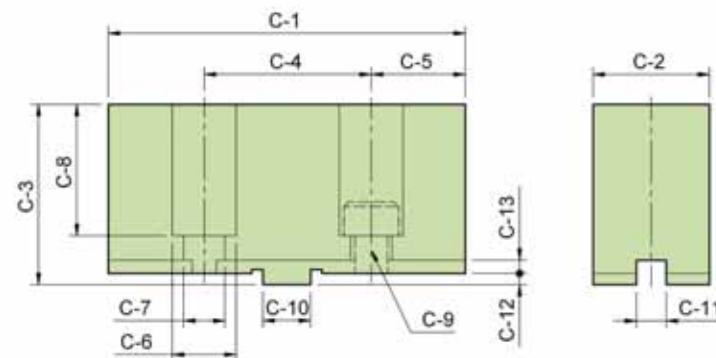
1. Soft jaws for strong scroll chuck.
2. Manufactured in special specification.



SPECIFICATIONS:

UNIT:mm

Dim	A	B	C	D	E	F	G	H	J	K	L	M	N	Weight (kg)	Max. Speed (r.p.m.)	Gripping O.D. Range
Model																
SE-4	112	66	80	95	32	4.8	3-M8	45	14	39.7	8	30	6.5	4	2500	φ2~φ32
SE-6	165	67	130	147	51	5.5	3-M8	66.5	19	40.7	10	23.3	6.2	9	2000	φ3~φ51
SE-7	192	76.5	155	172	80	5.5	3-M10	77	21.5	61.5	11	24	5.3	14	2000	φ3~φ81



SPECIFICATIONS:

UNIT:mm

Dim	C-1	C-2	C-3	C-4	C-5	C-6	C-7	C-8	C-9	C-10	C-11	C-12	C-13	Matching Chuck	3 Jaw Weight (kg)
Model															
SKC06	73	26	37	38	17.5	14	8.5	27	M8	12.68	7.94	3	3.5	SK-6, KD-6"	1.5
SKC07	95	31	48	44.5	25.25	17	11	35	M10	12.68	7.94	3	3.5	SK-7, SK-8, KD-8", KA-8"	2.7
SKC09	110	37	48	54	28	19	13	34	M12	19.03	12.7	3	3.5	SK-9, SK-10, KD-10", KA-10"	3.7
SKC12	125	40	54	63.5	30.75	19	13	40.5	M12	19.03	12.7	3	3.5	SK-12, KD-12", KA-12"	4.9
SKC16	160	50	70	76.2	41.9	25	17	48	M16	19.03	12.7	6	3.5	SK-16	11



N-200A SERIES

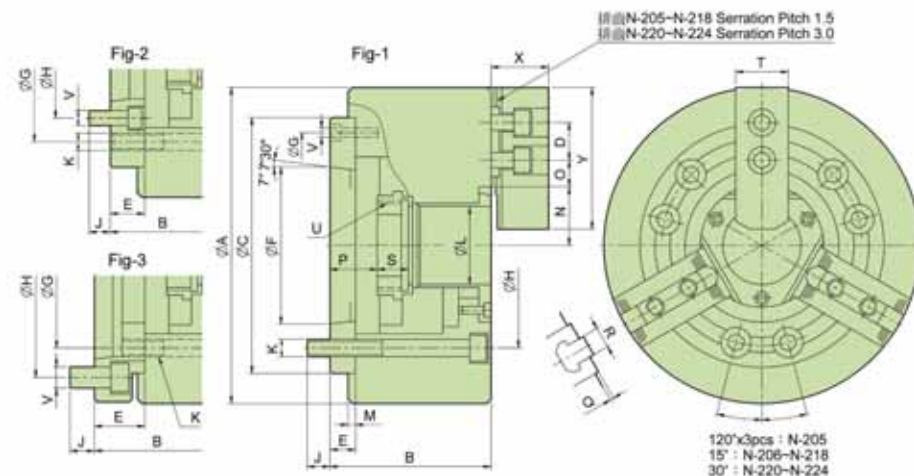
SPECIFICATIONS:

3-JAW WEDGE TYPE THROUGH-HOLE POWER CHUCK (WITH ADAPTOR)

1. More large bore: Having the largest bore in wedge type power operated chucks.
2. Model N-200A chucks are assembled with adaptor for ASA B5.9 type A spindles.

SPECIFICATIONS:

Model	Through-Hole (mm)	Plunger Stroke (mm)	Jaw Stroke (in dia) (mm)	Max. Pull Force (kg)	Max. Gripping Force (kg)	Max. Operating Pressure (kg/cm ²)	Max. Speed (r.p.m.)	Weight (kg)	Moment of Inertia (kg·m ²)	Matching Cylinder	Matching Hard Jaw	Matching Soft Jaw	Gripping O.D. Range (mm)
N-205A4	N3	10	5.4	1784	3671	28.5	7000	7.8	0.020	M1036	HJ05	HC05	φ 6~φ 135
N-205A5	N3	10	5.4	1784	3671	28.5	7000	9	0.023	M1036	HJ05	HC05	φ 6~φ 135
N-206A5	N45	12	5.5	2243	5812	28.5	6000	14.7	0.062	M1246	HJ06	HC06	φ 15~φ 189
N-206A6	N45	12	5.5	2243	5812	28.5	6000	17.3	0.073	M1246	HJ06	HC06	φ 15~φ 189
N-206A5	N62	16	7.4	3558	9075	26.5	5000	25.8	0.190	M1552	HJ08	HC08	φ 20~φ 210
N-206A6	N62	16	7.4	3558	9075	26.5	5000	25	0.184	M1552	HJ08	HC08	φ 20~φ 210
N-208A8	N62	16	7.4	3558	9075	26.5	5000	29.3	0.217	M1552	HJ08	HC08	φ 20~φ 210
N-210A6	N75	19	8.8	4385	11319	27.5	4200	41	0.370	M1875	HJ10	HC10	φ 25~φ 254
N-210A8	N75	19	8.8	4385	11319	27.5	4200	38	0.340	M1875	HJ10	HC10	φ 25~φ 254
N-210A11	N75	19	8.8	4385	11319	27.5	4200	48.4	0.436	M1875	HJ10	HC10	φ 25~φ 254
N-212A6	N91	23	10.6	5812	14990	27.5	3300	62.5	0.809	M2091	HJ12	HC12	φ 30~φ 304
N-212A8	N91	23	10.6	5812	14990	27.5	3300	58.5	0.770	M2091	HJ12	HC12	φ 30~φ 304
N-212A11	N91	23	10.6	5812	14990	27.5	3300	69.9	0.912	M2091	HJ12	HC12	φ 30~φ 304
N-215A8	N117.5	23	10.6	7240	18355	23.5	2500	125	2.255	M2511	HJ15	HC15	φ 60~φ 381
N-215A11	N117.5	23	10.6	7240	18355	23.5	2500	118	2.241	M2511	HJ15	HC15	φ 60~φ 381
N-215A15	N117.5	23	10.6	7240	18355	23.5	2500	138	2.822	M2511	HJ15	HC15	φ 60~φ 381
N-218A8	N117.5	23	10.6	7240	18355	23.5	2000	178	4.830	M2511	HJ15	HC15	φ 60~φ 450
N-218A11	N117.5	23	10.6	7240	18355	23.5	2000	171	4.464	M2511	HJ15	HC15	φ 60~φ 450
N-218A15	N117.5	23	10.6	7240	18355	23.5	2000	191	5.183	M2511	HJ15	HC15	φ 60~φ 450
N-220A11	N180	23	10.6	9177	23861	30.5	1800	215	7.355	ML2816	HJ24-1	HC24-1	φ 120~φ 510
N-220A15	N180	23	10.6	9177	23861	30.5	1800	202	6.910	ML2816	HJ24-1	HC24-1	φ 120~φ 510
N-224A11	N205	26	12	9177	23861	30.5	1400	332	18.199	ML3320	HJ24-1	HC24-1	φ 150~φ 610
N-224A15	N205	26	12	9177	23861	30.5	1400	317	17.376	ML3320	HJ24-1	HC24-1	φ 150~φ 610
N-224A20	N205	26	12	9177	23861	30.5	1400	286	15.677	ML3320	HJ24-1	HC24-1	φ 150~φ 610



DIMENSIONS:

Model	A	B	C	D	E	F	G	H	J	K	L	M	N	O _{max}	O _{min}	P _{max}	P _{min}	Q	R	S	T	U _{max}	V	W	X	Y	Reference
N-205A4	135	71	110	14	15	83.513	96	82.55	15.5	3-M10	33	4	26.5	19.75	7.75	16	6	2	10	20	25	M40x1.5	3-M6	45	31	54	Fig-1
N-205A5	135	88	110	14	32	82.563	82.55	104.78	14	3-M10	33	4	26.5	19.75	7.75	33	23	2	10	20	25	M40x1.5	6-M10	45	31	54	Fig-3
N-206A5	169	91	140	20	15	82.563	116	104.78	16	6-M10	45	5	32	22.75	9.25	26	14	2	12	19	31	M55x2	3-M6	60	37	73	Fig-1
N-206A6	169	111	140	20	35	106.375	104.78	133.35	16	6-M10	45	5	32	22.75	9.25	46	34	2	12	19	31	M55x2	6-M12	60	37	73	Fig-3
N-208A5	210	109	170	25	23	82.563	133.35	104.78	13	6-M12	52	5	38.7	29.75	14.75	37.5	21.5	2	14	20.5	35	M60x2	6-M10	66	38	95	Fig-2
N-208A6	210	103	170	25	17	106.375	150	133.35	18	6-M12	52	5	38.7	29.75	14.75	31.5	15.5	2	14	20.5	35	M60x2	3-M6	66	38	95	Fig-1
N-208A8	210	126	170	25	40	139.719	133.35	171.45	16	6-M12	52	5	38.7	29.75	14.75	54.5	38.5	2	14	20.5	35	M60x2	6-M16	66	38	95	Fig-3
N-210A6	254	120	220	30	26	106.375	171.45	133.35	18	6-M16	75	5	51	33.75	14.25	33.5	14.5	2	16	25	40	M85x2	6-M12	94	43	110	Fig-2
N-210A8	254	113	220	30	18	139.719	190	171.45	24	6-M16	75	5	51	33.75	14.25	26.5	7.5	2	16	25	40	M85x2	3-M6	94	43	110	Fig-1
N-210A11	254	145	220	30	50	196.869	171.45	235	22	6-M16	75	5	51	33.75	14.25	58.5	39.5	2	16	25	40	M85x2	6-M20	94	43	110	Fig-3
N-212A6	304	129	220	30	25	106.375	171.45	133.35	18	6-M16	91	6	61.3	45.75	15.75	33	10	2	21	28	50	M100x2	6-M12	108	51	130	Fig-2
N-212A8	304	122	220	30	18	139.719	190	171.45	25	6-M16	91	6	61.3	45.75	15.75	26	3	2	21	28	50	M100x2	3-M6	108	51	130	Fig-1
N-212A11	304	154	220	30	50	196.869	171.45	235	22	6-M16	91	6	61.3	45.75	15.75	58	35	2	21	28	50	M100x2	6-M20	108	51	130	Fig-3
N-215A8	381	160	300	43	33	139.719	235	171.45	24	6-M20	117.5	6	82	45.25	16.75	40	17	5	22	43	62	M130x2	6-M16	139	66	165	Fig-2
N-215A11	381	149	300	43	26	196.869	260	235	28	6-M20	117.5	6	82	45.25	16.75	29	6	5	22	43	62	M130x2	3-M10	139	66	165	Fig-1
N-215A15	381	184	300	43	57	285.775	235	330.2	24	6-M20	117.5	6	82	45.25	16.75	64	41	5	22	43	62	M130x2	6-M24	139	66	165	Fig-3
N-218A8	450	160	300	43	33	139.719	235	171.45	24	6-M20	117.5	6	82	45.25	16.75	40	17	5	22	43	62	M130x2	6-M16	139	66	165	Fig-2
N-218A11	450	149	300	43	26	196.869	260	235	28	6-M20	117.5	6	82	45.25	16.75	29	6	5	22	43	62	M130x2	3-M10	139	66	165	Fig-1
N-218A15	450	184	300	43	57	285.775	235	330.2	24	6-M20	117.5	6	82	45.25	16.75	64	41	5	22	43	62	M130x2	6-M24	139	66	165	Fig-3
N-220A11	510	169	380	60	41	196.869	300.2	235	30	6-M24	180	6	112.5	69	23	52	29	5	25	38	65	M190x2	6-M20	206	73	180	Fig-2
N-220A15	510	155	380	60	27	285.775	330.2	330.2	33	6-M24	180	6	112.5	69	23	38	15	5	25	38	65	M190x2	3-M12	206	73	180	Fig-1
N-224A11	610	186	520	60	45	196.869	463.6	235	28	6-M24	205	6	139.9	87.5	24.5	61	35	5	25	38	65	M215x3	6-M20	230	73	180	Fig-2
N-224A15	610	183	520	60	42	285.775	463.6	330.2	33	6-M24	205	6	139.9	87.5	24.5	58	32	5	25	38	65	M215x3	6-M24	230	73	180	Fig-2
N-224A20	610	166	520	60	25	412.775	463.6	463.6	35	6-M24	205	6	139.9	87.5	24.5	41	15	5	25	38	65	M215x3	3-M10	230	73	180	Fig-1

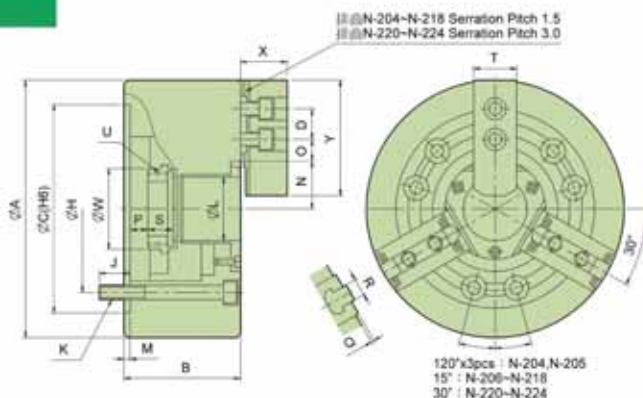


N-200 SERIES

SPECIFICATIONS:

3-JAW WEDGE TYPE THROUGH-HOLE POWER CHUCK (WITHOUT ADAPTOR)

1. More large bore
2. Highest revolution

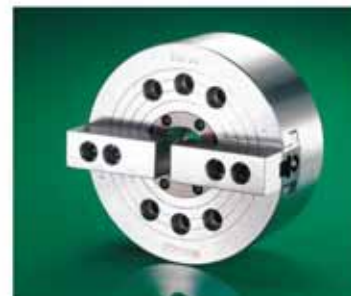


SPECIFICATIONS:

Model	Through-Hole (mm)	Plunger Stroke (mm)	Jaw Stroke (mm)	Max. Draw Bar Pull Force (kgf)	Max. Gripping Force (kgf)	Max. Operating Pressure (kgf/cm ²)	Max. Speed (r.p.m.)	Weight (kg)	Moment of Inertia I (kg·m ²)	Matching Cylinder	Matching Soft Jaw	Matching Hard Jaw	Gripping O.D. Range (mm)
N-204	126	10	5.4	1428	2906	31.6	8000	4	0.007	M0928	HC04	HJ05	φ4~φ110
N-205	133	10	5.4	1784	3671	28.5	7000	7	0.018	M1036	HC05	HJ05	φ6~φ135
N-206	145	12	5.5	2243	5812	28.5	6000	13.5	0.057	M1246	HC06	HJ06	φ15~φ169
N-208	162	16	7.4	3558	9075	26.5	5000	23	0.17	M1552	HC08	HJ08	φ20~φ210
N-210	175	19	8.8	4385	11319	27.5	4200	35	0.315	M1875	HC10	HJ10	φ25~φ254
N-212	191	23	10.6	5812	14990	27.5	3300	56.5	0.737	M2091	HC12	HJ12	φ30~φ304
N-215	117.5	23	10.6	7240	18355	23.5	2500	111	2.27	M2511	HC15	HJ15	φ60~φ381
N-218	117.5	23	10.6	7240	18355	23.5	2000	164	4.45	M2511	HC15	HJ15	φ60~φ450
N-220	160	23	10.6	9177	23861	30.5	1800	190	6.5	ML2816	HC24-1	HJ24-1	φ120~φ510
N-224	205	26	12	9177	23861	30.5	1400	270	14.8	ML3320	HC24-1	HJ24-1	φ150~φ610

DIMENSIONS:

Model	A	B	C (H6)	D	H	J	K	L	M	N max.	O max.	P max.	Q max.	R	S	T	U max.	W	X	Y		
N-204	110	59	85	14	70.6	16	3-M10x60	26	4	23.2	13.75	6.75	3.5	-6.5	2	10	17.5	23	M32x1.5	38	24	49.5
N-205	135	60	110	14	82.55	15	3-M10x60	33	4	26.5	19.75	7.75	1	-9	2	10	20	25	M40x1.5	45	31	54
N-206	169	81	140	20	104.78	16	6-M10x80	45	5	32	22.75	9.25	11	-1	2	12	19	31	M55x2	60	37	73
N-208	210	91	170	25	133.35	20	6-M12x90	52	5	38.7	29.75	14.75	14.5	-1.5	2	14	20.5	35	M60x2	66	38	95
N-210	254	100	220	30	171.45	22	6-M16x100	75	5	51	33.75	14.25	8.5	-10.5	2	16	25	40	M85x2	94	43	110
N-212	304	110	220	30	171.45	23	6-M16x110	91	6	61.3	45.75	15.75	8	-15	2	21	28	50	M100x2	108	51	130
N-215	381	133	300	43	235	35	6-M20x135	117.5	6	82	45.25	16.75	7	-16	5	22	43	62	M130x2	139	66	165
N-218	450	133	300	43	235	35	6-M20x135	117.5	6	82	79.75	16.75	7	-16	5	22	43	62	M130x2	139	66	165
N-220	510	134	380	60	330.2	35	6-M24x135	180	6	112.5	69	23	11	-12	5	25	38	65	M190x2	206	73	180
N-224	610	147	520	60	463.6	35	6-M24x150	205	6	139.9	67.5	24.5	16	-10	5	25	38	65	M215x3	230	73	180

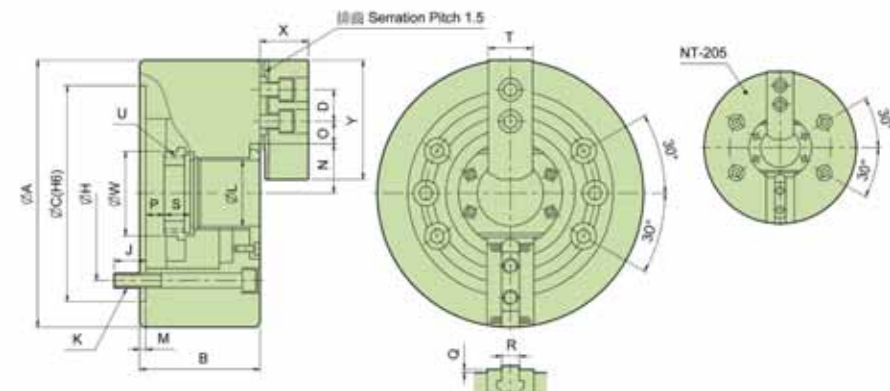


NT-200 SERIES

SPECIFICATIONS:

2-JAW WEDGE TYPE THROUGH-HOLE POWER CHUCK (WITHOUT ADAPTOR)

1. All sliding surfaces are hardened and ground for accurate actual running and long service repeatability. Lubrication nipple in each base jaw.
2. Base jaw: 1.5mmx60° serration.
3. Mounting: Adaptor mounting to fit with DIN, ISO, BS, ASA B5.9 type A spindles.



SPECIFICATIONS:

Model	Through-Hole (mm)	Plunger Stroke (mm)	Jaw Stroke (mm)	Max. Draw Bar Pull Force (kgf)	Max. Gripping Force (kgf)	Max. Operating Pressure (kgf/cm ²)	Max. Speed (r.p.m.)	Weight (kg)	Moment of Inertia I (kg·m ²)	Matching Cylinder	Matching Hard Jaw	Matching Soft Jaw	Gripping O.D. Range (mm)
NT-205	133	10	5.4	1189	2447	19.5	7000	6.8	0.017	M1036	HJ05	HC05	φ6~φ135
NT-206	145	12	5.5	1495	3875	18.9	6000	12.8	0.054	M1246	HJ06	HC06	φ15~φ169
NT-208	162	16	7.4	2366	5975	18.4	5000	22	0.163	M1552	HJ08	HC08	φ20~φ210
NT-210	175	19	8.8	2927	7546	18.4	4200	34	0.306	M1875	HJ10	HC10	φ25~φ254
NT-212	191	23	10.6	3875	9789	18.4	3300	55	0.717	M2091	HJ12	HC12	φ30~φ304
NT-215	117.5	23	10.6	4823	12236	15.3	2500	106	2.17	M2511	HJ15	HC15	φ60~φ381

DIMENSIONS:

Model Dim	A	B	C (H)	D	H	J	K	L	M	N max	O max	O min	P max	P min	Q	R	S	T	U max	W	X	Y
NT-205	135	60	110	14	82.55	15	4-M10x60	33	4	26.5	19.75	7.75	1	-9	2	10	20	23	M40x1.5	45	31	54
NT-206	169	81	140	20	104.78	16	6-M10x80	45	5	32	22.75	9.25	11	-1	2	12	19	31	M55x2	60	37	73
NT-208	210	91	170	25	133.35	20	6-M12x90	52	5	38.7	29.75	14.75	14.5	-1.5	2	14	20.5	35	M60x2	66	38	95
NT-210	254	100	220	30	171.45	22	6-M16x100	75	5	51	33.75	14.25	8.5	-10.5	2	16	25	40	M85x2	94	43	110
NT-212	304	110	220	30	171.45	23	6-M16x110	91	6	61.3	45.75	15.75	8	-15	2	21	28	50	M100x2	108	51	130
NT-215	381	133	300	43	235	35	6-M20x135	117.5	6	82	45.25	16.75	7	-16	5	22	43	62	M130x2	139	66	165

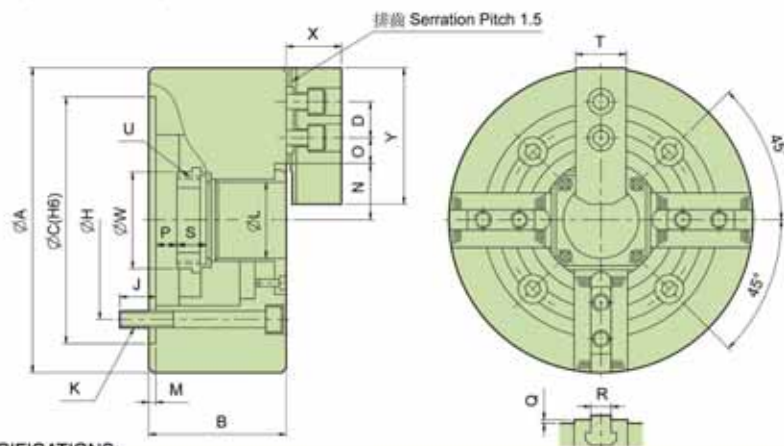


NIT-200 SERIES

SPECIFICATIONS:

4-JAW WEDGE TYPE THROUGH HOLE POWER CHUCK (WITHOUT ADAPTOR)

1. All sliding surfaces are hardened and ground for accurate actual running and long service repeatability. Lubrication nipple in each master jaw.
2. Master jaw: 1.5mm x 60° serration.
3. Mounting: Adaptor mounting to fit with DIN, ISO, BS, ASA B5.9 type A spindles.



SPECIFICATIONS:

Model	Through-Hole (mm)	Plunger Stroke (mm)	Jaw Stroke (in dia) (mm)	Max. Draw Bar Pull Force (kgf)	Max. Gripping Force (kgf)	Max. Operating Pressure (kgf/cm ²)	Max. Speed (r.p.m.)	Weight (kg)	Moment of Inertia (kg·m ²)	Matching Cylinder	Matching Hard Jaw	Matching Soft Jaw	Gripping O.D. Range (mm)
NIT-206	45	12	5.5	2243	5812	28.5	4500	13.7	0.051	M1246	HJ06	HC06	φ15~φ169
NIT-208	52	16	7.4	3558	9075	26.5	3600	24	0.177	M1552	HJ08	HC08	φ20~φ210
NIT-210	75	19	8.8	4385	11319	27.5	3200	36	0.324	M1875	HJ10	HC10	φ25~φ254
NIT-212	91	23	10.6	5812	14990	27.5	2700	58.5	0.763	M2091	HJ12	HC12	φ30~φ304
NIT-215	117.5	23	10.6	7240	18355	23.5	1900	114	2.331	M2511	HJ15	HC15	φ60~φ381
NIT-218	117.5	23	10.6	7240	18355	23.5	1500	122	3.2	M2511	HJ15	HC15	φ60~φ450
NIT-224	205	26	12	9177	23861	30.5	1000	264	14.5	M3320	HJ24-1	HC24-1	φ150~φ610

DIMENSIONS:

Model Dim	A	B	C (H6)	D	H	J	K	L	M	N max	O max	P min	P max	Q min	Q max	R	S	T	U max	V	W	X	Y
NIT-206	169	81	140	20	104.78	16	4-M10x80	45	5	32	22.75	9.25	11	-1	2	12	19	31	M55x2	60	37	73	
NIT-208	210	91	170	25	133.35	20	4-M12x90	52	5	38.7	29.75	14.75	14.5	-1.5	2	14	20.5	35	M60x2	66	38	95	
NIT-210	254	100	220	30	171.45	22	4-M16x100	75	6	51	33.75	14.25	8.5	-10.5	2	16	25	40	M85x2	94	43	110	
NIT-212	304	110	220	30	171.45	23	4-M16x110	91	6	61.3	45.75	15.75	8	-15	2	21	28	50	M100x2	108	51	130	
NIT-215	381	133	300	43	235	35	4-M20x135	117.5	6	82	45.25	16.75	7	-16	5	22	43	62	M130x2	139	66	165	
NIT-218	450	133	300	43	235	35	4-M20x135	117.5	6	82	79.75	16.75	7	-16	5	22	43	62	M130x2	139	66	165	
NIT-224	610	147	520	60	483.6	35	8-M24x150	205	6	139.9	87.5	24.5	16	-10	5	25	38	65	M215x3	230	73	180	

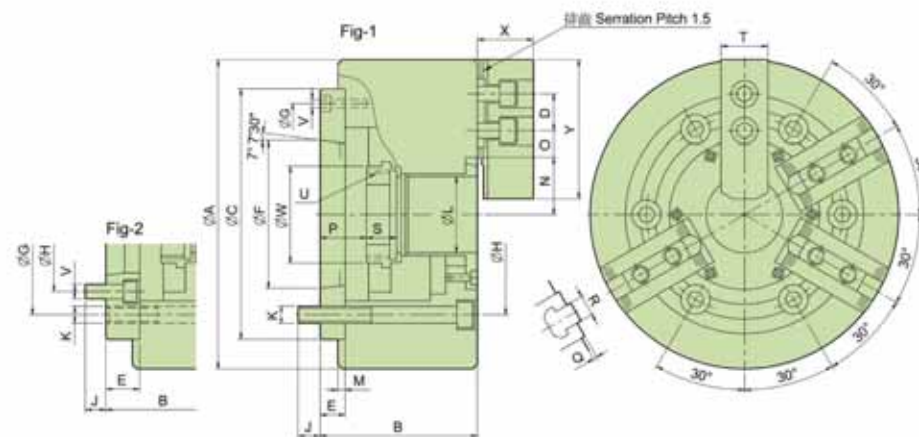


NHT SERIES

SPECIFICATIONS:

2 JAWS AND 3 JAWS THROUGH HOLE POWER CHUCKS (WITH ADAPTOR)

1. Gripping of round or irregular workpiece does not need to change the chuck.
2. The chucks are designed according to ASA B5.9 type A spindle.
3. The chucks are made from high grade alloy steel. All sliding surfaces are hardened and ground for increased running accuracy and longer service life.



SPECIFICATIONS:

Model Dim	Through-Hole (mm)	Plunger Stroke (mm)	Jaw Stroke (in dia) (mm)	Max. Draw Bar Pull Force (kgf)		Max. Gripping Force (kgf)		Max. Operating Pressure (kgf/cm ²)		Max. Speed (r.p.m.)	Weight (kg)	Matching Cylinder	Matching Soft Jaw	Matching Hard Jaw
				3 Jaw	2 Jaw	3 Jaw	2 Jaw	3 Jaw	2 Jaw					
NHT208A5	52	16	7.4	2243	1495	5812	3875	17.2	12.1	3500	25.5	M1552	HC06	HJ06
NHT208A6	52	16	7.4	2243	1495	5812	3875	17.2	12.1	3500	24.7	M1552	HC06	HJ06

DIMENSIONS:

Model	A	B	C	D	E	F	G	H	J	K	L	M	N max	O max	P max	Q max	R	S	T	U max	V	W	X	Y	Reference		
NHT-208A5	210	113	170	20	23	82.583	133.5	104.78	13	6xM12	52	5	41.8	34	7.5	37.5	21.5	2	12	20.5	32	M60xP2.0	6xM10	66	37	73	Fig-2
NHT-208A6	210	107	170	20	17	106.375	150	133.35	17	6xM12	52	5	41.8	34	7.5	31.5	15.5	2	12	20.5	32	M60xP2.0	3xM6	66	37	73	Fig-1

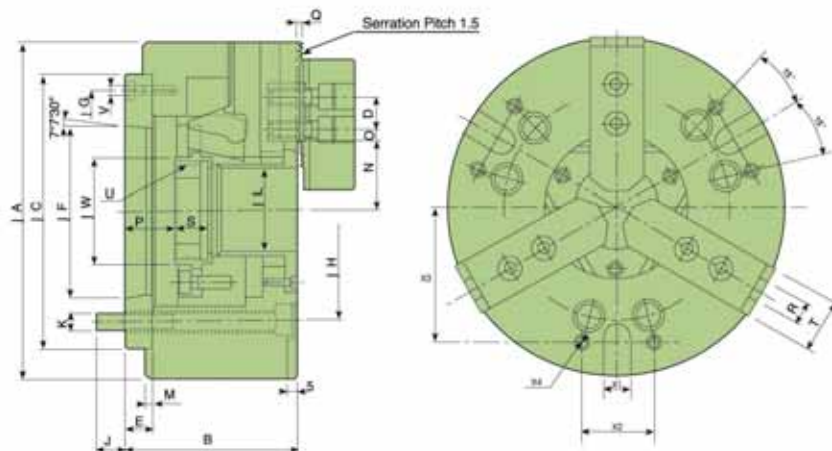


NB-200A SERIES

SPECIFICATIONS:

3-JAW WEDGE TYPE EXTRA LARGE THROUGH-HOLE POWER CHUCK (WITH ADAPTOR)

1. More large bore: Having the largest bore in wedge type power operated chucks.
2. 20% large bore: Approximately 20% higher speed, higher gripping force and larger bore compared with usual chucks.
3. Model N-200A chucks are assembled with adaptor for ASA B5.9 type A spindles.
4. Model N-200A chucks are manufactured from high grade alloy steel, All sliding surfaces are hardened and ground for accurate actual running and long service repeatability.



SPECIFICATIONS:

Model	Through-Hole (mm)	Plunger Stroke (mm)	Jaw Stroke (mm)	Max. Draw Bar Pull Force (kgf)	Max. Gripping Force (kgf)	Max. Operating Pressure (kgf/cm ²)	Max. Speed (r.p.m.)	Weight (kg)	Moment of Inertia I (kg-m ²)	Matching Cylinder	Matching Soft Jaw	Matching Hard Jaw
NB-306A5	N62	12	5.4	2200	5700	18.4	6000	14	0.06	M1552	HC06	HJ06
NB-208A6	N66	16	7.4	3500	8973	20.5	4600	24	0.14	M1868	HC08	HJ08
NB-210A8	N78	19	8.8	4300	11000	27.5	4200	37.4	0.4	M1878	HC10	HJ10
NB-212A11	N122	23	10.6	5800	15000	20.5	3200	65	0.95	M2511	HC12	HJ12

DIMENSIONS:

Model	A	B	C (H)	D	E	F	G	H	J	K	L	M	N mm	O mm	P mm	Q	R	S	T	U mm	V	W	X1 (H12)	X2	X3	X4		
NB-306A5	170	91	140	20	15	82.563	116	104.78	14.5	6xM10	52	5	34.3	18.25	9.25	26	14	2	12	20	32	M60x2.0	3xM6	65	16	36	65	M8
NB-208A6	210	103	170	25	17	106.375	150	133.35	19.5	6xM12	66	5	42	23.75	11.75	31.5	15.5	2	14	20	37	M74x2.0	3xM6	80	16	45	80	M8
NB-210A8	254	113	220	30	18	139.719	190	171.45	24	6xM16	78	5	53	33.75	14.25	26.5	7.5	2	16	25	42	M87x2.0	6xM8	94	16	60	102	M10
NB-212A11	315	134	300	30	22	196.869	260	235	28	6xM20	122	6	74.2	36.25	12.75	42	19	2	21	28	52	M135x2.0	3xM10	143	20	60	138	M10

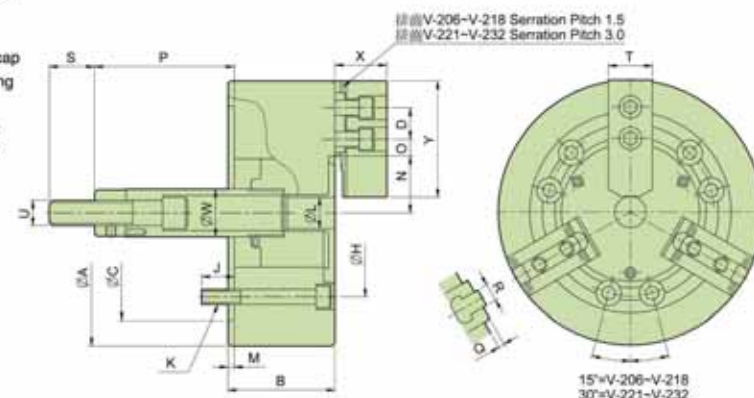


V SERIES

SPECIFICATIONS:

3-JAW WEDGE TYPE NON THROUGH HOLE POWER CHUCK (WITHOUT ADAPTOR)

1. High performance: Similar high performance to N series.
2. Chuck mounting screws: Metric or UNC socket head cap screws are supplied for bolting the chuck to the spindle.
3. Alternative spindle adaptors: ASA or DIN adaptors can be supplied to fit machine spindle.



SPECIFICATIONS:

Model	Jaw Stroke (in dia) (mm)	Plunger Stroke (mm)	Max. Pull Force (kgf)	Max. Gripping Force (kgf)	Max. Operating Pressure (kgf/cm ²)	Max. Speed (r.p.m.)	Weight (kg)	Moment of Inertia I (kg-m ²)	Matching Cylinder	Matching Hard Jaw	Matching Soft Jaw	Gripping O.D. Range (mm)
V-206	9.2	20	1835	5353	26.5	5200	12	0.045	MS105C	HJ06	HC06	φ18~φ165
V-208	9.7	21	2549	7648	25.5	4500	23	0.137	MS125C	HJ08	HC08	φ26~φ210
V-210	8.8	25	2957	11013	28.6	4000	34.5	0.3	MS125C	HJ10	HC10	φ26~φ254
V-212	10.5	30	4181	15907	27.5	3300	59.5	0.725	MS150C	HJ12-1	HC12-1	φ26~φ304
V-215	16	35	8362	25391	32.6	3000	101	1.8	MS200C	HJ15-1	HC15-1	φ68~φ381
V-218	16	35	8362	25391	32.6	2700	116	2.9	MS200C	HJ15-1	HC15-1	φ130~φ450
V-221	16	35	8362	27838	32.6	1940	181	6.2	MS200C	HJ24-1	HC24-1	φ65~φ530
V-224	16	35	8362	27838	32.6	1760	216	7	MS200C	HJ24-1	HC24-1	φ152~φ610
V-232	18.6	35	8362	27838	32.6	600	365	27.3	MS200C	HJ24-1	HC32-1	φ100~φ810

DIMENSIONS:

Model	A	B	C	D	H	J	K	L	M	N max	O max	O min	P max	P min	Q	R	S	T	U	W	X	Y
V-206	165	74	140	20	104.78	14	6-M10x70	21	5	38.7	15.25	9.25	104.6	84.6	4	12	38	31	M16x2.0	34	39	73
V-208	210	85	170	25	133.35	20	6-M12x85	25	5	46.85	22.25	11.75	132	111	5	14	36	35	M20x2.5	38	41	95
V-210	254	89	220	30	171.45	23	6-M16x85	34	5	51.1	30.75	11.25	158	133	5	16	36	40	M20x2.5	45	46	110
V-212	304	106	220	30	171.45	23	6-M16x105	34	6	61	48.75	12.75	163	133	5	18	36	50	M20x2.5	50	54	130
V-215	381	114	300	43	235	29	6-M20x115	—	6	77.5	50.25	23.25	104	69	2	25.5	55	50	M30x3.5	60	63	165
V-218	450	114	300	43	235	29	6-M20x115	—	6	108	50.25	23.25	92	57	2	25.5	55	50	M30x3.5	60	63	165
V-221	530	125	380	60	330.2	31	8-M24x115	—	6	86	93.5	24.5	97	62	7.5	25	55	65	M30x3.5	60	76	180
V-224	610	125	380	60	330.2	31	8-M24x115	—	6	125	93.5	24.5	97	62	7.5	25	55	65	M30x3.5	60	76	180
V-232	810	135	380	60	330.2	26	8-M24x115	—	6	104.9	196.5	25.5	74	39	9	25	60	74	M30x3.5	60	97	210

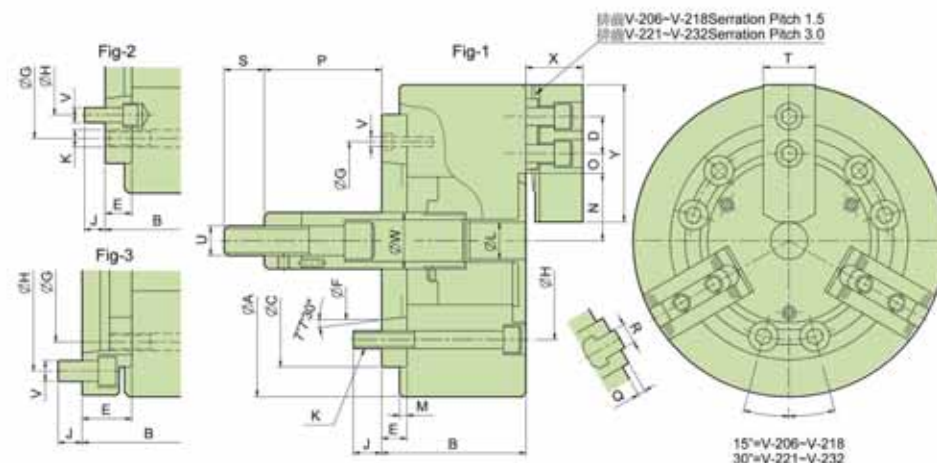


VA SERIES

SPECIFICATIONS:

3-JAW WEDGE TYPE NON THROUGH HOLE POWER CHUCK (WITH ADAPTOR)

Alternative spindle adaptors:
ASA or DIN adaptors can be supplied
to fit machine spindle.



SPECIFICATIONS:

Model	Plunger Stroke (mm)	Jaw Stroke (in dia) (mm)	Max. Pull Force (kgf)	Max. Gripping Force (kgf)	Max. Operating Pressure (kgf/cm ²)	Max. Speed (r.p.m.)	Weight (kg)	Moment of Inertia I (kg·m ²)	Matching Cylinder	Matching Hard Jaw	Matching Soft Jaw	Gripping O.D. Range (mm)
V-206A5	20	9.2	1835	5253	26.5	5200	13.2	0.05	MS105C	HJ06	HC06	φ18~ 165
V-206A6	20	9.2	1835	5253	26.5	5200	15.8	0.059	MS105C	HJ06	HC06	φ18~ 165
V-208A5	21	9.7	2549	7648	25.5	4500	25.8	0.154	MS125C	HJ08	HC08	φ26~ 210
V-208A6	21	9.7	2549	7648	25.5	4500	25	0.149	MS125C	HJ08	HC08	φ26~ 210
V-208A8	21	9.7	2549	7648	25.5	4500	29.3	0.175	MS125C	HJ08	HC08	φ26~ 210
V-210A6	25	8.8	2957	11013	28.6	4000	40.5	0.35	MS125C	HJ10	HC10	φ26~ 254
V-210A8	25	8.8	2957	11013	28.6	4000	37.5	0.33	MS125C	HJ10	HC10	φ26~ 254
V-210A11	25	8.8	2957	11013	28.6	4000	47.9	0.417	MS125C	HJ10	HC10	φ26~ 254
V-212A6	30	10.5	4181	15907	27.5	3300	65.5	0.798	MS150C	HJ12-1	HC12-1	φ26~ φ304
V-212A8	30	10.5	4181	15907	27.5	3300	62.5	0.762	MS150C	HJ12-1	HC12-1	φ26~ φ304
V-212A11	30	10.5	4181	15907	27.5	3300	72.9	0.888	MS150C	HJ12-1	HC12-1	φ26~ φ304
V-215A8	35	16	8362	25391	32.6	3000	115	2.05	MS200C	HJ15-1	HC15-1	φ66~ φ381
V-215A11	35	16	8362	25391	32.6	3000	108	1.92	MS200C	HJ15-1	HC15-1	φ66~ φ381
V-215A15	35	16	8362	25391	32.6	3000	128	2.281	MS200C	HJ15-1	HC15-1	φ66~ φ381
V-218A8	35	16	8362	25391	32.6	2700	134	3.35	MS200C	HJ15-1	HC15-1	φ130~ φ450
V-218A11	35	16	8362	25391	32.6	2700	122	3.05	MS200C	HJ15-1	HC15-1	φ130~ φ450
V-218A15	35	16	8362	25391	32.6	2700	143	3.575	MS200C	HJ15-1	HC15-1	φ130~ φ450
V-221A11	35	16	8362	27838	32.6	1940	200	6.58	MS200C	HJ24-1	HC24-1	φ65~ φ530
V-221A15	35	16	8362	27838	32.6	1940	193	6.37	MS200C	HJ24-1	HC24-1	φ65~ φ530
V-224A11	35	16	8362	27838	32.6	1760	239	7.6	MS200C	HJ24-1	HC24-1	φ152~ φ610
V-224A15	35	16	8362	27838	32.6	1760	232	7.38	MS200C	HJ24-1	HC24-1	φ152~ φ610
V-232A11	35	18.6	8362	27838	32.6	600	382	30	MS200C	HJ24-1	HC32-1	φ100~ φ810
V-232A15	35	18.6	8362	27838	32.6	600	375	28	MS200C	HJ24-1	HC32-1	φ100~ φ810

DIMENSIONS:

Model	A	B	C	D	E	F	G	H	J	K	L	M	N mm	O mm	P mm	Q mm	R	S	T	U	V	W	X	Y	Refers	
V-206A5	165	84	140	20	15	82.563	116	104.78	14	6-M10	21	5	38.7	15.25	9.25	89.6	69.6	4	12	36	31	M16x2.0	3-M6	34	39	Fig1
V-206A6	165	104	140	20	35	106.375	104.78	133.35	16	6-M10	21	5	38.7	15.25	9.25	69.6	49.6	4	12	36	31	M16x2.0	6-M12	34	39	Fig3
V-208A5	210	103	170	25	23	82.563	133.35	104.78	13	6-M12	25	5	46.85	22.25	11.75	109	88	5	14	36	35	M20x2.5	6-M10	38	41	Fig2
V-208A6	210	97	170	25	17	106.375	150	133.35	18	6-M12	25	5	46.85	22.25	11.75	115	94	5	14	36	35	M20x2.5	3-M6	38	41	Fig1
V-208A8	210	120	170	25	40	139.719	133.35	171.45	16	6-M12	25	5	46.85	22.25	11.75	82	71	5	14	36	35	M20x2.5	6-M16	38	41	Fig3
V-210A6	254	109	220	30	25	106.375	171.45	133.35	18	6-M16	34	5	51.1	30.75	11.25	133	108	5	16	36	40	M20x2.5	6-M12	50	54	Fig2
V-210A8	254	102	220	30	18	139.719	190	171.45	25	6-M16	34	5	51.1	30.75	11.25	140	115	5	16	36	40	M20x2.5	3-M8	45	46	Fig1
V-210A11	254	134	220	30	50	106.869	171.45	235	22	6-M16	34	5	51.1	30.75	11.25	108	83	5	16	36	40	M20x2.5	6-M20	45	46	Fig3
V-212A6	304	125	220	30	25	106.375	171.45	133.35	18	6-M16	34	6	61	48.75	12.75	138	108	5	18	36	50	M20x2.5	6-M12	50	54	Fig2
V-212A8	304	118	220	30	18	139.719	190	171.45	25	6-M16	34	6	61	48.75	12.75	145	115	5	18	36	50	M20x2.5	3-M8	50	54	Fig1
V-212A11	304	150	220	30	50	106.869	171.45	235	22	6-M16	34	6	61	48.75	12.75	113	83	5	18	36	50	M20x2.5	6-M20	50	54	Fig3
V-215A8	381	141	300	43	33	139.719	235	171.45	24	6-M20	-	6	77.5	50.25	23.25	71	36	2	25.5	55	62	M30x3.5	6-M16	60	63	Fig2
V-215A11	381	130	300	43	22	196.869	260	235	28	6-M20	-	6	77.5	50.25	23.25	82	47	2	25.5	55	62	M30x3.5	3-M10	60	63	Fig1
V-215A15	381	165	300	43	57	285.775	235	330.2	24	6-M20	-	6	77.5	50.25	23.25	47	12	2	25.5	55	62	M30x3.5	6-M24	60	63	Fig3
V-218A8	450	141	300	43	33	139.719	235	171.45	24	6-M20	-	6	108	50.25	23.25	59	24	2	25.5	55	62	M30x3.5	6-M16	60	63	Fig2
V-218A11	450	130	300	43	22	196.869	260	235	28	6-M20	-	6	108	50.25	23.25	70	35	2	25.5	55	62	M30x3.5	3-M10	60	63	Fig1
V-218A15	450	165	300	43	57	285.775	235	330.2	24	6-M20	-	6	108	50.25	23.25	105	70	2	25.5	55	62	M30x3.5	6-M24	60	63	Fig3
V-221A11	530	146	380	60	27	196.869	330.2	235	30	6-M24	-	6	85	93.5	24.5	70	35	8	25	55	65	M30x3.5	6-M20	60	76	Fig2
V-221A15	530	146	380	60	27	285.775	330.2	330.2	34	6-M24	-	6	85	93.5	24.5	70	35	8	25	55	65	M30x3.5	3-M12	60	76	Fig1
V-224A11	610	146	380	60	27	196.869	330.2	235	30	6-M24	-	6	125	93.5	24.5	70	35	8	25	55	65	M30x3.5	6-M20	60	76	Fig2
V-224A15	610	146	380	60	27	285.775	330.2	330.2	34	6-M24	-	6	125	93.5	24.5	70	35	8	25	55	65	M30x3.5	3-M12	60	76	Fig1
V-232A11	810	156	380	80	27	196.869	330.2	235	30	6-M24	-	6	104.8	196.5	25.5	47	12	9	25	60	74	M30x3.5	6-M20	60	97	Fig2
V-232A15	810	156	380	80	27	285.775	330.2	330.2	33	6-M24	-	6	104.8	196.5	25.5	47	12	9	25	60	74	M30x3.5	3-M12	60	97	Fig1



VT&VIT SERIES

SPECIFICATIONS:

2-JAW AND 4-JAW WEDGE TYPE NON THROUGH HOLE POWER CHUCK (WITHOUT ADAPTOR)

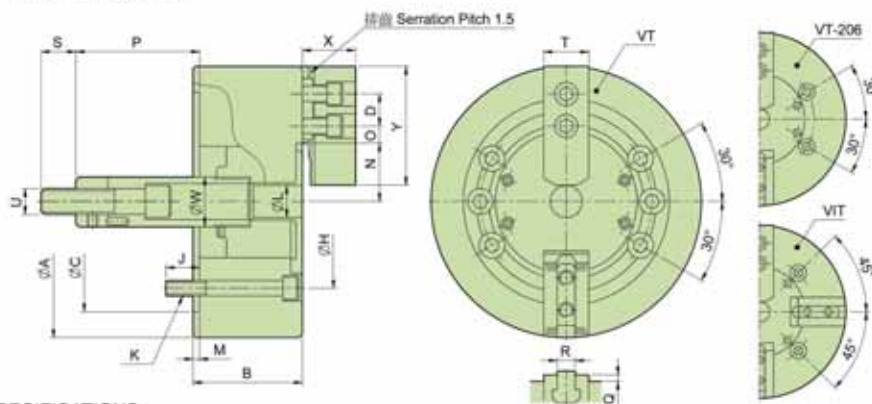
1. Suitable for special applications:

Used to hold special shape work pieces such as square bar or flanges which is not possible with 3 jaw chucks.

2. Interchangeable with V or VA series.

3. Basic dimensions are the same as V type.

4. High performance as V type.



SPECIFICATIONS:

Model	Plunger Stroke (mm)	Jaw Stroke (in dia) (mm)	Max. Pull Force (kgf)	Max. Gripping Force (kgf)	Max. Operating Pressure (kgf/cm ²)	Max. Speed (r.p.m.)	Weight (kg)	Moment of Inertia I (kg·m ²)	Matching Cylinder	Matching Hard Jaw	Matching Soft Jaw	Gripping O.D Range (mm)
VT-206	20	9.2	1224	3569	17.3	5200	12	0.045	MS100C	HJ06	HC06	φ18~φ165
VT-208	21	9.7	1683	5098	16.3	4500	22	0.13	MS120C	HJ08	HC08	φ28~φ210
VT-210	25	8.8	1988	7342	19.4	4000	33.5	0.29	MS130C	HJ10	HC10	φ24~φ254
VT-212	30	10.5	2804	10605	18.4	3300	58	0.7	MS150C	HJ12-1	HC12-1	φ18~φ304
VIT-212	30	10.5	4181	15907	27.5	2800	64	0.78	MS150C	HJ12-1	HC12-1	φ18~φ304
VT-215	35	16	5557	16927	21.7	3000	100.6	1.7	MS200C	HJ15-1	HC15-1	φ68~φ381
VIT-218	35	16	8362	25391	32.6	2300	119	2.975	MS200C	HJ15-1	HC15-1	φ130~φ450
VIT-224	35	16	8362	27838	32.6	1520	228	7.3	MS200C	HJ24-1	HC24-1	φ152~φ610
VIT-232	35	18.7	8362	21924	32.6	920	400	30	MS200C	HJ24-1	HC32-1	φ100~φ810

DIMENSIONS:

Model Dim	A	B	C	D	H	J	K	L	M	N max	O max	P max	Q max	R	S	T	U	W	X	Y		
VT-206	165	74	140	20	104.78	14	4-M10x70	21	5	38.7	15.25	9.25	104.6	84.6	4	12	36	31	M16x2.0	34	39	73
VT-208	210	85	170	25	133.35	20	6-M12x85	25	5	46.85	22.25	11.75	132	111	5	14	36	35	M20x2.5	38	41	95
VT-210	254	89	220	30	171.45	23	6-M16x85	34	5	51.1	30.75	11.25	158	133	5	16	36	40	M20x2.5	45	46	110
VT-212	304	106	220	30	171.45	23	6-M16x105	34	6	61	48.75	12.75	163	133	5	18	36	50	M20x2.5	50	54	130
VIT-212	304	106	220	30	171.45	23	6-M16x105	34	6	61	48.75	12.75	163	133	5	18	36	50	M20x2.5	50	54	130
VT-215	381	114	300	43	235	29	6-M20x115	—	6	77.5	50.25	23.25	104	69	2	25.5	55	50	M30x3.5	60	63	165
VIT-218	450	114	300	43	235	29	6-M20x115	—	6	108	50.25	23.25	92	57	2	25.5	55	50	M30x3.5	60	63	165
VIT-224	610	125	380	60	330.2	31	8-M24x115	—	6	125	93.5	24.5	97	62	7.5	25	55	65	M30x3.5	60	76	180
VIT-232	810	135	380	80	330.2	26	8-M24x115	—	6	104.9	196.5	25.5	74	39	9	25	60	74	M30x3.5	60	97	210



V(40"-79") SERIES

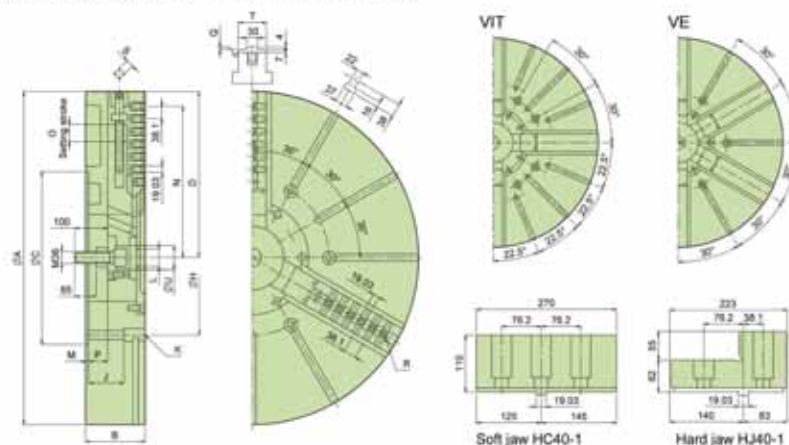
SPECIFICATIONS:

3-JAW WEDGE TYPE NON THROUGH HOLE POWER CHUCK (WITHOUT ADAPTOR)

1. Chucking operations of very large components external or internal clamping.

2. Suitable for vertical machines thanks to the front protection of the slide ways.

3. Chuck with manual radial setting of master jaw for the workpiece.



SPECIFICATIONS:

Model	Jaws	Plunger Stroke (mm)	Radial Jaw Stroke (Manual setting)	Max. Pull Force (kN)	Max. Gripping Force (kN)	Max. Operating Pressure (kgf/cm ²)	Max. Speed (r.p.m.)	Weight (kg)	Moment of Inertia I (kg·m ²)	Matching Cylinder	Matching Hard Jaw	Matching Soft Jaw
40" V-240	3	57	23 + (30)	180	320	42.8	630	645	82	MS250C	HJ40-1	HC40-1
VIT-240	4						550	700	89			
50" V-250	3						500	890	168			
VIT-250	4	57	23 + (30)	180	320	42.8	400	940	177	MS250C	HJ40-1	HC40-1
VE-250	6						360	971	183			
63" VIT-263	4	60	24 + (40)	200	360	46.9	300	1700	518	MS250C	HJ40-1	HC40-1
VE-263	6						280	1800	548			
79" VE-279	6	60	24 + (40)	200	360	46.9	230	2850	1350	MS250C	HJ40-1	HC40-1

DIMENSIONS:

Model	A	B	C	D max.	H	J	K	L	M	N max.	O	P max.	P min.	Q	R	S	T	U
40" V-240	1005	180	520	502	463.6	108	M24	M52x1.5	8	457	30	59	2	4	7-M24	19	85	72
VIT-240																		
50" V-250	1250	180	520	623	463.6	108	M24	M52x1.5	8	563	30	59	2	4	10-M24	19	85	72
VIT-250																		
VE-250																		
63" VIT-263	1600	220	720	796	647.6	144	M30	M52x1.5	8	738	40	82	22	6	13-M24	22	110	72
VE-263																		
79" VE-279	2000	238	720	896	647.6	159	M30	M52x1.5	8	914	40	100	40	6	17-M24	22	110	72



DOV / DON SERIES

SPECIFICATIONS:

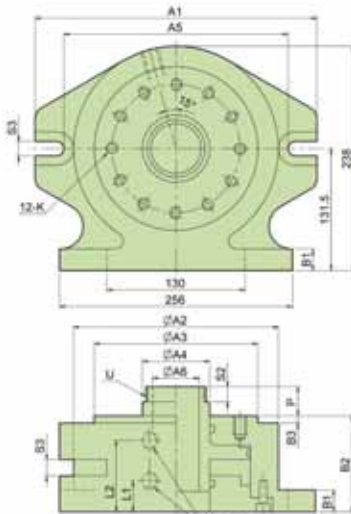
VERTICAL AND VERTICAL / HORIZONTAL STATIONARY POWER CHUCKS



1. Suitable for vertical milling and drilling operations.
2. With large through-hole, Vertical/horizontal power chucks not only can grip the long workpiece but also can do horizontal holding.



DOV Fig-1



DON Fig-2

SPECIFICATIONS:

Dim	Model	Piston Dia (mm)	Piston Area		Piston Stroke (mm)	Max. Draw Bar Pull		Weight (kg)	Max. Operating Pressure (kgf/cm ²)	Matching Chuck
			Push Side (cm ²)	Pull Side (cm ²)		Push Side (kgf)	Pull Side (kgf)			
6" DOV		115	104	78.5	20	1900	1400	12	20	V-206
8" DOV		155	187	148.6	21	3600	2800	21	20	V-208 V-210 V-212
8" DON		155	148.6	148.6	17	2800	2800	28.5	20	N-208

DIMENSION:

Model	A1	A2	A3	A4	A5	A6	B1	B2	B3	L1	L2	H	K	P Max	P Min	S1	S2	S3	U	Reference
6" DOV	220	168	140	55	200	49	16	65.5	5.5	38	45	104.78	12-M10X18L	18	-2	PT 1/4"	7.6	2-15	M16XP2.0	Fig-1
8" DOV	290	210	170	70	242	58	24	86	5.5	23	65	133.35	12-M12X18L	20	-1	PT 1/4"	5.5	2-16	M16XP2.0	Fig-1
8" DON	293	213	170	70	242	52	24	100	5.5	32.5	74.5	133.35	12-M12X18L	30.4	13.4	PT 1/4"	16	4-17	M60XP2.0	Fig-2

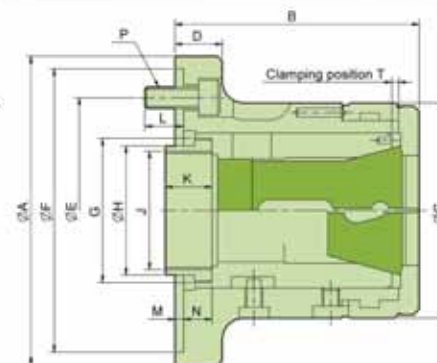


CR SERIES

SPECIFICATIONS:

COLLET CHUCKS FOR CYLINDRICAL CENTER MOUNT

1. Collet chucks with bayonet catch are mainly used for chucking bar work on NC/CNC lathes.
2. The bar stock can be fed in through the chuck.
3. Profiles can also be chucked with the appropriate collets.



UNIT:mm

SPECIFICATIONS:

Model	Dim	Matching adapter	Bar Capacity (mm)	Sleeve Stroke (mm)	Weight (kg)	Max. operating force KN (kgf)	Max. gripping force KN (kgf)	Max. speed (r.p.m.)
CR42-140	140		42	7	6.2	25(2549)	55(5608)	6,000
CR60-170	170		60	7	11.5	30(3059)	65(6628)	5,000
CR60-220	220		60	7	15.5	30(3059)	65(6628)	5,000

DIMENSION:

Model	Dim	A(H6)	B	C	D	E	F(H6)	G	H	J max	K	L	M	N	P	T
CR42-140		155	114	100	23	133.35	140	M66xP1.5	66	M55xP2.0	25	18	6	11.9	3-M10	3.1
CR60-170		185	139	130	30	133.35	170	M90xP1.5	80	M74xP2.0	30	18	6	17.9	6-M12	3.1
CR60-220		235	141	130	32	171.45	220	M90xP1.5	80	M74xP2.0	30	20	6	19.9	6-M16	3.1

CAPACITIES:

CHUCK	MULTIBORE				SPRING COLLET			
	NO.	CAT.NO.	Ø	□	CAT.NO.	Ø	□	□
CR42	M-673	42	36	30	173E/4728	42	36	30
CR60	M-677	60	52	42	185E/4291	60	52	42

Collet Drawings:



Use the collet to DIN 6342 specification

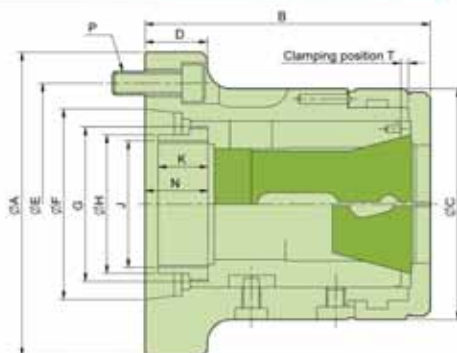


CRA SERIES

SPECIFICATIONS:

COLLET CHUCKS FOR SHORT TAPER MOUNT

1. Collet chucks with bayonet catch are mainly used for chucking bar work on NC/CNC lathes.
2. The bar stock can be fed in through the chuck.
3. Profiles can also be chucked with the appropriate collets.



UNIT:mm

SPECIFICATIONS:

Model	Dim	Matching Spindle	Bar Capacity (mm)	Sleeve Stroke (mm)	Weight (kg)	Max. operating force KN (kgf)	Max. gripping force KN (kgf)	Max. speed (r.p.m.)
CR26A4		A2-4	26	5	4.5	20(2039)	44(4486)	7,000
CR30A4		A2-4	30	5	4.1	20(2039)	44(4486)	7,000
CR42A5		A2-5	42	7	6.2	25(2549)	55(5608)	6,000
CR42A6		A2-6	42	7	6.2	25(2549)	55(5608)	6,000
CR60A6		A2-6	60	7	13	30(3059)	65(6628)	5,000
CR80A8		A2-8	80	7	21	35(3568)	73(7443)	4,000

DIMENSION:

Model	Dim	A	B	C	D	E	F	G	H	J max	K	N	P	T
CR26A4		112	103.5	85	30	82.55	63.513	M50xP1.5	45	M40xP1.5	15	21.7	3-M10	2.3
CR30A4		112	103.5	85	30	82.55	63.513	M50xP1.5	45	M40xP1.5	15	21.7	3-M10	2.3
CR42A5		135	124	100	27	104.78	82.563	M66xP1.5	60	M55xP2.0	25	27.4	4-M10	3.1
CR42A6		170	124	100	32	133.35	106.375	M66xP1.5	66	M60xP2.0	22	27.4	4-M12	3.1
CR60A6		170	145	130	27	133.35	106.375	M90xP1.5	80	M74xP2.0	30	29.9	4-M12	3.1
CR80A8		220	170	156	35	171.45	139.719	M114xP2.0	99	M90xP2.0	27.5	32.4	6-M16	6.1

CAPACITIES:

CHUCK		MULTIBORE			SPRING COLLET			
NO.	CAT.NO.	○	○	□	CAT.NO.	○	○	□
CR26	M-667	26	22	18	161E/B744	30	26	18
CR30	M-669	30	26	21	163E/A249	30	26	21
CR42	M-673	42	36	30	173E/A728	42	36	30
CR60	M-677	60	52	42	185E/A291	60	52	42
CR80	J-660	80	69	56	190E/H-47	80	69	56

Collet Drawings:



Use the collet to DIN 6343 specification



HJ SERIES

SPECIFICATIONS:

HARD JAWS FOR HYDRAULIC POWER CHUCKS

1. Hard jaw for hydraulic power chucks.
2. Hard jaw for CNC lathe.

Fig-1

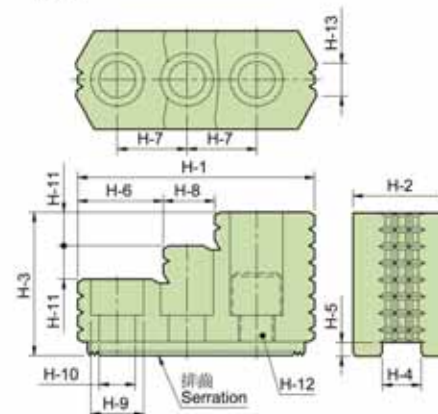
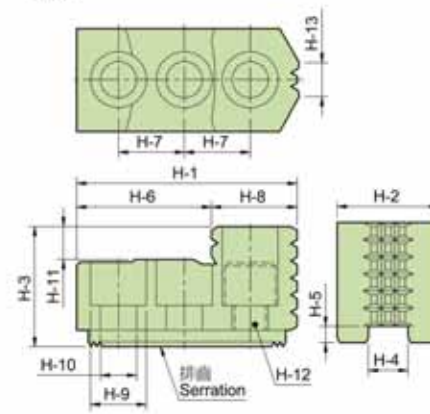


Fig-2



SPECIFICATIONS:

Model	H-1	H-2	H-3	H-4	H-5	H-6	H-7	H-8	H-9	H-10	H-11	H-12	H-13	Serration Pitch	Reference	Matching Chuck	3 Jaw Weight (kg)
HJ05	53	23	27.5	10	4	30.5	14	22.5	13.5	8.5	10	M8	6	1.5x60°	Fig-2	N-204.N-205	0.4
HJ06	67	31	36	12	5	39.5	20	27.5	17	11	10	M10	11	1.5x60°	Fig-2	N-206.V-206	1.0
HJ08	86	35	51	14	5	31	25	18	19	13	12	M12	12	1.5x60°	Fig-1	N-208.V-208	1.9
HJ10	99.5	40	54	16	5	43	30	17	19	13	13	M12	15	1.5x60°	Fig-1	N-210.V-210	2.9
HJ12	103	50	52	21	4	62.5	30	40.5	25	17	17	M16	30	1.5x60°	Fig-2	N-212	3.5
HJ12-1	103	50	52	18	5	62.5	30	40.5	22	15	17	M14	30	1.5x60°	Fig-2	V-212	3.6
HJ15	149	62	86	22	8	63	43	34	32	21	20	M20	40	1.5x60°	Fig-1	N-215.N-218	9.6
HJ15-1	149	62	86	25.5	5	63	43	34	32	21	20	M20	40	1.5x60°	Fig-1	V-215	9.5
HJ24-1	159.5	80	90	25	9	104.5	50	55	32	21	40	M20	55	3.0x60°	Fig-2	N-220.N-224.V-221.V-224	14.3