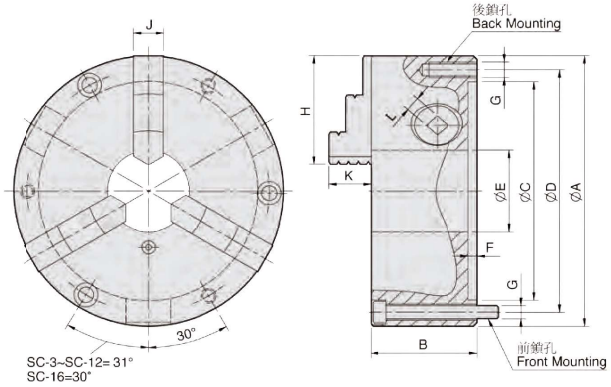
SC

3-jaw scroll chuck plain back, solid jaws (front and back mounted)

1. Interchangable utilization of internal and external hard jaws.
2. SC types feature economical and durable, suitable for mass production.
3. Gripping accuracy of 0.03mm (0.0012 inch) T.I.R..
4. The body is made of MEEHANITE. It is suitably used for high speed revolution and 3 times more durable than regular material.



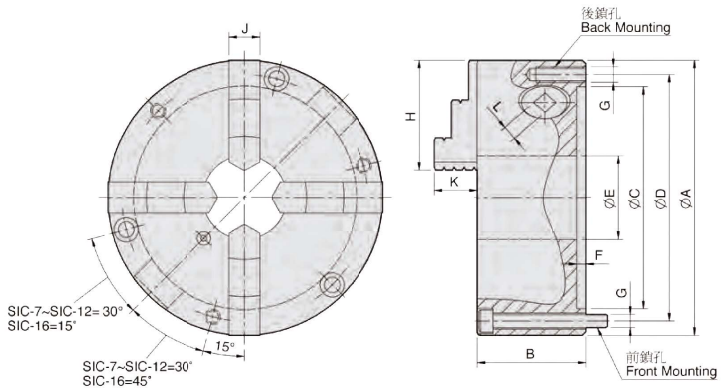
UNIT: mm

SPEC Model	A	B	C	D	E	F	G Back / Front	H	J	K	L	Allowable Handle Torque (kgf · m)	Gripping Force (kgf)	Max. Speed (r.p.m.)	Weight (kg)	Moment Of Inertia I (kg· m²)	Gripping Range O.D. Range / I.D. Range
SC-3	86	46	60	73	16	4.1	3-M6 / 3-M6×50	36	11	14.3	7	3.0	900	2500	1.7	—	Ø2-Ø70 / Ø24-Ø64
SC-4	112	60	80	95	24	4.8	3-M8 / 3-M8×70	42	14	16.6	8	4.5	1200	2500	3.7	—	Ø3-Ø95 / Ø29-Ø84
SC-5	132	60	100	115	32	4.8	3-M8 / 3-M8×70	50	16	20.3	8	6.5	1500	2500	5.2	0.01	Ø3-Ø110 / Ø33-Ø100
SC-6	167	67	130	147	45	5.5	3-M10 / 3-M10×70	63	19	23.7	10	9.0	2200	2000	9.3	0.03	Ø4-Ø160 / Ø48-Ø150
SC-7	192	76.5	155	172	58	5.5	3-M10 / 3-M10×80	77	21.5	29.4	11	11.0	2500	2000	14.2	0.06	Ø4-Ø180 / Ø56-Ø170
SC-8	200	76.5	160	176	58	5.5	3-M10 / 3-M10×80	77	21.5	29.4	11	11.0	2500	2000	16	0.07	Ø4-Ø190 / Ø62-Ø180
SC-9	232	84	190	210	70	6	3-M12 / 3-M12×90	87	24	35.6	12	15.0	3000	2000	22.7	0.15	Ø5-Ø220 / Ø62-Ø210
SC-10	273	87	230	250	89	8	3-M12 / 3-M12×90	98	28	39.5	12	19.5	4000	1800	31.8	0.25	Ø6-Ø260 / Ø70-Ø250
SC-12	310	96	260	285	105	7	3-M12 / 3-M12×110	110	30	45.6	14	21.0	4200	1800	44.8	0.58	Ø10-Ø300 / Ø86-Ø290
SC-16	405	122	345	375	160	8.7	— / 6-M14×130	146	42	56.3	15	25.0	4500	1500	102	1.75	Ø30-Ø380 / Ø110-Ø360

SIC

4-jaw scroll chuck plain back, solid jaws (front and back mounted)

1. Gripping of square or octagonal workpieces could fit into central line automatically.
2. SIC have high stability in gripping thin tube work piece.
3. The specification is the same as SC type.
4. The body is made of MEEHANITE. It is suitably used for high speed revolution and 3 times more durable than regular material.



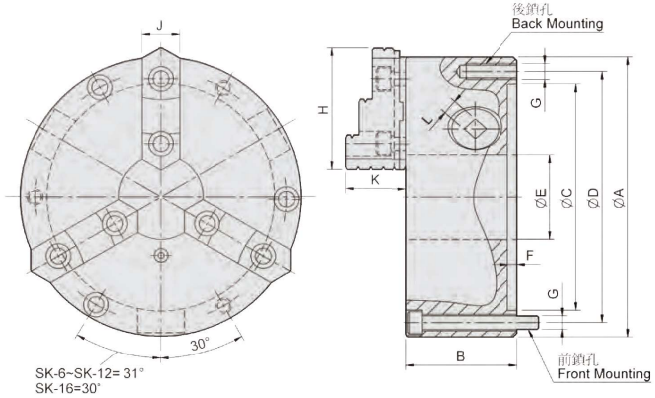
UNIT: mm

SPEC Model	A	B	C	D	E	F	G Back / Front	H	J	K	L	Allowable Handle Torque (kgf · m)	Gripping Force (kgf)	Max. Speed (r.p.m.)	Weight (kg)	Moment Of Inertia I (kg· m²)	Gripping Range O.D. Range / I.D. Range
SIC-7	192	76.5	155	172	58	5.5	3-M10 / 3-M10x80	77	21.5	29.4	11	11.0	2500	2000	14.8	0.06	Ø4-Ø180 / Ø56-Ø170
SIC-9	232	84	190	210	70	6	3-M12 / 3-M12x90	87	24	35.6	12	15.0	3000	2000	23.2	0.16	Ø5-Ø220 / Ø62-Ø210
SIC-12	310	96	260	285	105	7	3-M12 / 3-M12x110	110	30	45.6	14	21.0	4200	1800	47	0.58	Ø10-Ø300 / Ø86-Ø290
SIC-16	405	122	345	375	160	8.7	— / 6-M14x130	146	42	56.3	15	25.0	4500	1500	107	1.72	Ø30-Ø380 / Ø110-Ø360

SK

3-jaw strong scroll chuck plain back, 2-piece jaws (front and back mounted)

1. SK types chucks have wider unilization range; hard jaws suitable for heavy cutting; soft jaws suitable for light and precision cutting.
2. Hard jaws could be used as internal jaws and external jaws.
3. Gripping accuracy of 0.03mm (0.0012 inch) T.I.R.
4. The body is made of MEEHANITE. It is suitably used for high speed revolution and 3 times more durable than regular material.



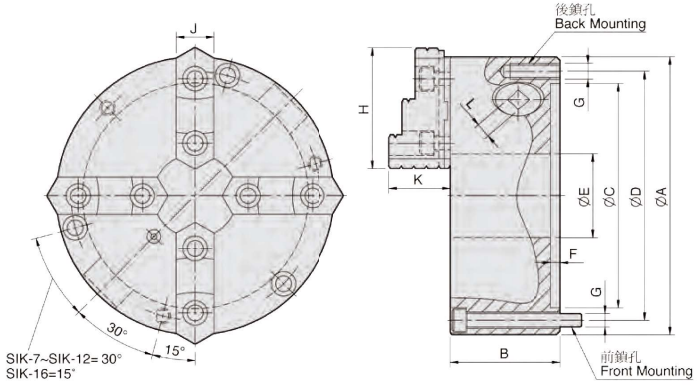
UNIT：mm

SPEC Model	A	B	C	D	E	F	G Back / Front	H	J	K	L	Allowable Handle Torque (kgf · m)	Gripping Force (kgf)	Max. Speed (r.p.m.)	Weight (kg)	Moment Of Inertia I (kg · m²)	Gripping Range O.D. Range / I.D. Range
SK-4	112	58	80	95	32	4.8	3-M8 / 3-M8x65	47	19	31.6	8	4.5	1200	2500	3.8	—	Ø3-Ø95 / Ø29-Ø84
SK-6	167	67	130	147	45	5.5	3-M10 / 3-M10x70	72	26	40.2	10	9.0	2200	2000	9	0.03	Ø4-Ø160 / Ø55-Ø150
SK-7	192	76.5	155	172	58	5.5	3-M10 / 3-M10x80	81.2	28	42	11	11.0	2500	2000	13.8	0.06	Ø8-Ø180 / Ø62-Ø170
SK-8	200	76.5	160	176	58	5.5	3-M10 / 3-M10x80	82	28	42	11	11.0	2500	2000	15.5	0.07	Ø8-Ø190 / Ø68-Ø180
SK-9	232	84	190	210	70	6	3-M12 / 3-M12x90	90.9	32	51.2	12	15.0	3000	2000	22	0.16	Ø11-Ø220 / Ø70-Ø210
SK-10	273	87	230	250	89	8	3-M12 / 3-M12x90	100.5	35	56.7	12	19.5	4000	1800	29.7	0.26	Ø12-Ø260 / Ø80-Ø250
SK-12	310	96	260	285	105	7	3-M12 / 3-M12x110	114.5	40	56.8	14	21.0	4200	1800	43.5	0.58	Ø15-Ø300 / Ø90-Ø290
SK-16	405	122	345	375	160	8.7	— / 6-M14x130	148.6	50	76.1	15	25.0	4500	1500	98	1.72	Ø30-Ø380 / Ø110-Ø360

SIK

4-jaw strong scroll chuck plain back, 2-piece jaws (front and back mounted)

1. Hard jaws are adopted for square or octagonal thin tube workpieces machining.
2. Soft jaws could grip rectangular workpiece after being unisotropic machined.
3. The specification is the same as SK type.
4. The body is made of MEEHANITE. It is suitably used for high speed revolution and 3 times more durable than regular material.



UNIT：mm

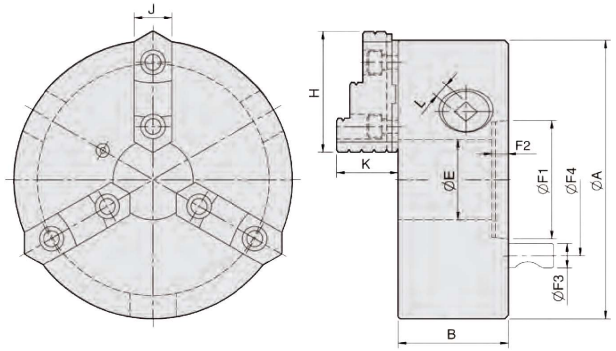
SPEC Model	A	B	C	D	E	F	G Back / Front	H	J	K	L	Allowable Handle Torque (kgf · m)	Gripping Force (kgf)	Max. Speed (r.p.m.)	Weight (kg)	Moment Of Inertia I (kg · m²)	Gripping Range O.D. Range / I.D. Range
SIK-7	192	76.5	155	172	58	5.5	3-M10 / 3-M10x80	82	28	42	11	11.0	2500	2000	14.1	0.06	Ø8-Ø180 / Ø62-Ø170
SIK-9	232	84	190	210	70	6	3-M12 / 3-M12x90	96	32	51.2	12	15.0	3000	2000	22.2	0.16	Ø11-Ø220 / Ø70-Ø210
SIK-12	310	96	260	285	105	7	3-M12 / 3-M12x110	114.5	40	56.8	14	21.0	4200	1800	45	0.58	Ø15-Ø300 / Ø90-Ø290
SIK-16	405	122	345	375	160	8.7	— / 6-M14x130	148.6	50	76.1	15	25.0	4500	1500	108	1.72	Ø30-Ø380 / Ø110-Ø360

KD

3-jaw strong scroll chuck 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 (0.0012 inch) T.I.R..
2. Standard accessories chuck wrench, hex. key. and a 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 material.



UNIT : mm

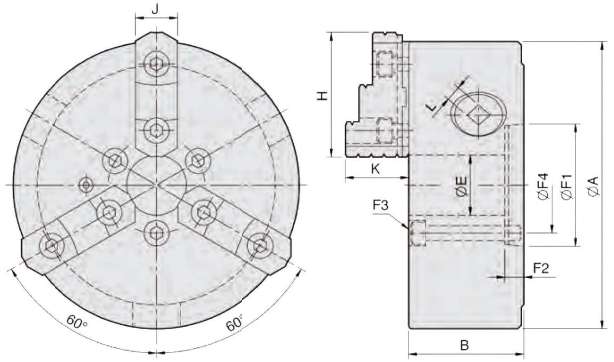
SPEC Model	Spindle Size	A	B	E	H	J	K	L	Mounting Dimensions F1 / F2 / F3 / F4	Allowable Handle Torque (kgf · m)	Gripping Force (kgf)	Max. Speed (r.p.m.)	Weight (kg)	Moment Of Inertia I (kg · m²)	Gripping Range O.D. Range / I.D. Range
KD4-6"	D1-4	165	71	40	72	26	39.5	10	63.513 / 13 / 15.8 / 82.55	9.0	2200	2000	11	0.04	Ø8-Ø160 / Ø55-Ø150
KD4-8"	D1-4	200	77.2	53	82	28	42.2	11	63.513 / 13 / 15.8 / 82.55	11.5	2500	2000	18.5	0.07	Ø8-Ø180 / Ø62-Ø170
KD5-8"	D1-5	200	77.2	55	82	28	42.2	11	82.563 / 16 / 19 / 104.78	11.5	2500	2000	18	0.07	Ø8-Ø180 / Ø62-Ø170
KD6-8"	D1-6	200	77.2	58	82	28	42.2	11	106.375 / 17 / 22.2 / 133.35	11.5	2500	2000	17	0.07	Ø8-Ø180 / Ø62-Ø170
KD6-10"	D1-6	250	86	76	90.9	32	50.8	12	106.375 / 17 / 22.2 / 133.35	19.5	4000	1800	29.5	0.2	Ø11-Ø220 / Ø70-Ø210
KD6-12"	D1-6	306	107.5	103	114.5	40	57.8	14	106.375 / 13.5 / 22.2 / 133.35	21.0	4200	1800	47	0.5	Ø15-Ø300 / Ø90-Ø290
KD8-10"	D1-8	250	86	80	90.9	32	50.8	12	139.719 / 19 / 25.4 / 171.45	19.5	4000	1800	27	0.2	Ø11-Ø220 / Ø70-Ø210
KD8-12"	D1-8	306	107.5	103	114.5	40	57.8	14	139.719 / 18 / 25.4 / 171.45	21.0	4200	1800	47	0.5	Ø15-Ø300 / Ø90-Ø290

KA

3-jaw strong scroll chuck 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 (0.0012 inch) T.I.R..
2. Standard accessories chuck wrench, hex. key. and a 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 material.



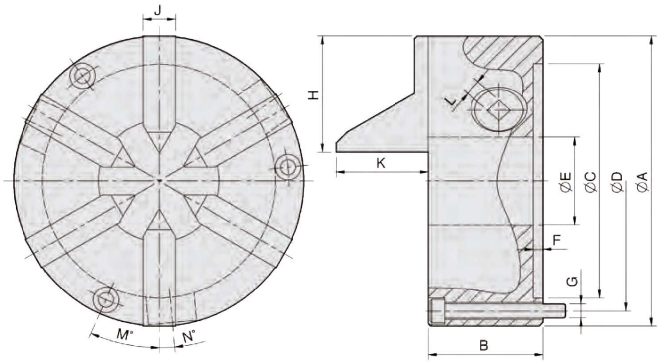
UNIT : mm

SPEC Model	Spindle Size	A	B	E	H	J	K	L	Mounting Dimensions F1 / F2 / F3 / F4	Allowable Handle Torque (kgf · m)	Gripping Force (kgf)	Max. Speed (r.p.m.)	Weight (kg)	Moment Of Inertia I (kg · m²)	Gripping Range O.D. Range / I.D. Range
KA5-8"	A1-5	200	77.2	40	81.2	28	42.2	11	82.563 / 14.288 / 3-M10 / 61.9	11.0	2500	2000	18	0.07	Ø8-Ø180 / Ø62-Ø170
KA6-8"	A1-6	200	77.2	53	81.2	28	42.2	11	106.375 / 15.875 / 3-M12 / 82.6	11.0	2500	2000	18	0.07	Ø8-Ø180 / Ø62-Ø170
KA6-10"	A1-6	250	86	53	90.9	32	50.8	12	106.375 / 15.875 / 3-M12 / 82.6	19.0	4000	1800	29.5	0.2	Ø11-Ø220 / Ø70-Ø210
KA6-12"	A1-6	306	107.5	53	114.5	40	57.8	14	106.375 / 15.875 / 3-M12 / 82.6	21.0	4200	1800	47	0.5	Ø15-Ø300 / Ø90-Ø290
KA8-12"	A1-8	306	107.5	77	114.5	40	57.8	14	139.719 / 17.462 / 6-M16 / 111.1	21.0	4200	1800	47	0.5	Ø15-Ø300 / Ø90-Ø290

SE

6-jaw scroll chuck plain back

1. SE types are specially meet 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 material.



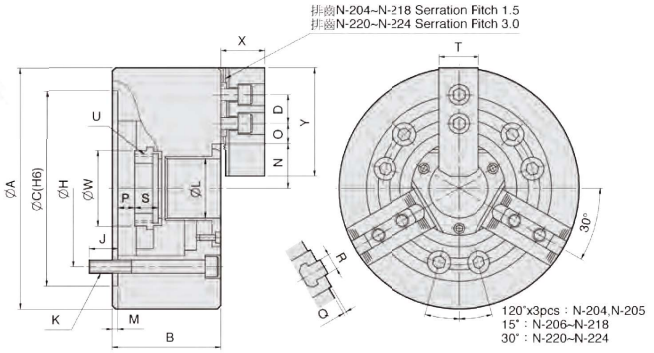
UNIT : mm

SPEC Model	A	B	C	D	E	F	G	H	J	K	L	M	N	Allowable Handle Torque (kgf · m)	Gripping Force (kgf)	Max. Speed (r.p.m.)	Weight (kg)	Moment Of Inertia I (kg · m²)	Gripping O.D. Range
SE-4	112	66	80	95	32	4.8	3-M8x65	45	14	39.7	8	30	6.5	1.6	440	1200	4	—	Ø2-Ø32
SE-6	165	67	130	147	51	5.5	3-M8x70	66.5	19	40.7	10	23.3	6.2	2.8	660	1200	9	0.03	Ø3-Ø51
SE-7	192	76.5	155	172	80	5.5	3-M10x75	77	21.5	61.5	11	24	5.3	3.6	850	1000	14	0.06	Ø3-Ø81

N-200

3-jaw through-hole power chuck (adapter excluded)

- More large bore :
  The largest bore in wedge type power operated chucks.



UNIT : mm

SPEC Model	Through -Hole (mm)	Plunger Stroke (mm)	Jaw stroke (In Dia.) (mm)	Max. Pull Force (kgf)	Max. Gripping Force (kgf)	Max. Operating Pressure (kgf / cm²)	Max. Speed (r.p.m.)	Weight (kg)	Moment Of Inertia I (kg · m²)	Matching Cylinder	Matching Hard Jaw	Matching Soft Jaw	Gripping O.D. Range (mm)
N-204	Ø26	10	5.4	1428	2906	31.6	8000	4	0.007	M0928	HJ05	HC04	Ø4-Ø110
N-205	Ø33	10	5.4	1784	3671	28.5	7000	7	0.018	M1036	HJ05	HC05	Ø6-Ø135
N-206	Ø45	12	5.5	2243	5812	28.5	6000	13.5	0.057	M1246	HJ06	HC06	Ø15-Ø169
N-208	Ø52	16	7.4	3558	9075	26.5	5000	23	0.17	M1552	HJ08	HC08	Ø20-Ø210
N-210	Ø75	19	8.8	4385	11319	27.5	4200	35	0.315	M1875	HJ10	HC10	Ø25-Ø254
N-212	Ø91	23	10.6	5812	14990	27.5	3300	56.5	0.737	M2091	HJ12	HC12	Ø30-Ø304
N-215	Ø117.5	23	10.6	7240	18355	23.5	2500	111	2.27	M2511	HJ15	HC15	Ø50-Ø381
N-218	Ø117.5	23	10.6	7240	18355	23.5	2000	131	3.55	M2511	HJ15	HC15	Ø50-Ø450
N-220	Ø180	23	10.6	9177	23861	30.6	1800	190	6.5	ML2816	HJ24-1	HC24-1	Ø120-Ø510
N-224	Ø205	26	12	9177	23861	26.5	1400	270	14.8	ML3320	HJ24-1	HC24-1	Ø150-Ø610
N-232	Ø230	34	18	10197	24472	29.5	1200	470	41	ML3320	HJ24-1	HC24-1	Ø210-Ø800

DIM Model	A	B	C (H6)	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
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	11.75	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	30	6-M20x135	117.5	6	82	45.25	15.25	7	-16	5	22	43	62	M130x2	139	66	165
N-218	450	133	300	43	235	30	6-M20x135	117.5	6	82	79.75	15.25	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	60.5	24.5	11	-12	5	25	38	64	M190x3	206	73	180
N-224	610	147	520	60	463.6	35	6-M24x150	205	6	139.9	87.5	24.5	16	-10	5	25	38	64	M215x3	230	73	180
N-232	800	150	520	60	463.6	35	6-M24x150	230	6	162	153.5	24.5	16	-18	5	25	38	64	M250x3	262	73	180