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e-mail: sales@strong-dc.com.tw

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郵編:100022
Tel: 86-010-5971 1500 Fax: 86-010-67726623
www.strong-yc.com
e-mail:strong@strong-yc.com

CMS MAKINA DAN.LTD.STI

Istanbul Office:
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Istanbul Turkey
Tel: 90 212 565 63 70 Fax: 90 212 565 6367
Konya Office:
Komsan is merkezi No:32 Karatay -Konya-Turkey
Tel:90 332 342 24 42 Fax:90 332 342 44 34

Talleres de Guernica CO., LTD.

Goikoibarra, 3.
48300 Gernika Spain.
Tel: 34-94-625-0500
Fax: 34-94-625-5351
tdeg@tdeg.net

PBS MACHINE TOOLS (PTY) LTD.

P.O.Box 18422 Sunward Park Boksburg, South Africa
Tel : 27-11-8224927/8
Fax: 27-11-8224928

YUE SING MACHINERY CO., LTD.

No.80/26 Moo 1 Rama 2 Rd., Tahkharm,
Bangkhunthian, Bangkok, Thailand 10150
Tel: 0-2415-8964-5, 0-2416-5446
Fax: 66-2416-5464
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LIU GMBH

Belcherstr. 54, D-78628 Rottweil, Germany.
Tel : 49-0741-23226
Fax: 49-0741-23227
liu-gmbh@gmx.de

HENRI AZARIA P.A.L (1984) LTD.

8, Goren St., Petah-Tikva, Israel
Tel : 972-3-9233351/2
Fax: 972-3-9232824

MACK Präzisionswerkzeuge AG

Eichendorffstr.20, D-89567 Sontheim/Brenz
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www.mack-werkzeuge.de
www.info@mack-werkzeuge.de

Best Chuck Inc

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henrybestchuck@hotmail.com

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SCOTT MACHINERY LIMITED

51 Gilberthorpes Rd, Islington
P.O.Box 16213 Christchruch New Zealand
Tel : 64-3-349-2266
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Box 121 Kyrkogatan 27, S-282 22 Tyringe Sweden
Tel: 46 451 50870 Fax: 46 451 50811
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20100525D

A STRONGHOLD BY PRECISION AND POWER

Contents

President & General Manager

Chiu-Fa Hsuh

A Stronghold by precision and power

Di Chun Iron Work Co. Ltd. was established in Taichung city, Taiwan since 1974. In despite to chuck market in Taiwan was controlled by Japan through the early 1970's, the Di chun aimed to offer local machine manufacturers an another best choice and to replace Japanese chuck in the local market gradually and to offer a reasonable price.

Today, the Di Chun Iron Work Company has achieved its initial aim, gaining more the 50% of the Taiwan market. With the help of ourself, we developed "STRONG" series range of high quality manual chucks, hydraulic chucks, and rotary hydraulic cylinders, it has gained increased popularity internationally to become a leading manufacturer of chucking equipment world wide.

Di Chun believes the key to success is to stimulate employees to be self motivated. In the words of our President & general manager CHIU-FA HSUH "We value each employee as an individual, with every employee in his or her right place. The human resource is the company's biggest asset. Through highly skilled and self motivated employees, Di Chun will achieve the best products and increased popularity."

Di Chun Iron Works Co., Ltd.
Moving On

1974 Established in Taichung city,major in manufacturing of 3-jaw scroll chucks.
1976 Products honoured by local customers and mass production achieved.
1977 Successfully develope a range of interchangeable chuck jaws for hydraulic chucks by R&D department.
1978 Automation of parts production begins, with the introduction of CNC lathes and Machining Centres.
1980 Cooperate with ONO Machine & Tool Co. Ltd., as a joint venture, to sell our product to the Japanese market.
1982 Special purpose precision drilling machine developed and introduced into the production line.
1984 Computerised manufacturing management system introduced.
1987 Research and component standardization program and go into development of jaws for CNC lathe chucks.
1988 Hydraulic 3-jaw chucks and super high speed rotary hydraulic cylinders for CNC machines, developed in co-operation with the Mechanical School of Industrial Technology Institute.
1991 MCS certificate achieved and standards mark applied.
1992 Increased company's capital to NT$ 50 million, and targeted a world wide market for machine tool applications.
1993 Beijing and Shenyang offices opened in mainland China, quality control under taken throughly and 100% Meehanite chucks adopted.
1995 CE mark applied to all of our product . Products honoured by Air/Oil Hydraulic association.
1996 ISO 9002 certification approved.
1997 Successfully developed the following items in 1997: M2511 high-speed XL-bore rotary hydraulic cylinder (15"), MS rotary hydraulic cylinder with built-in safety device. MSC rotary hydraulic cylinder with built-in safety & detective device. CT42 precision collet chuck.
1998 Successfully developed in 1998: V218 3-jaw wedge type non through hole power chuck.
1999 Successfully developed in 1999: V224 3-jaw wedge type non through hole power chuck.
2000 Successfully developed in 2000: High speed and light weight type strong finger chuck for aluminum wheels.
2001 Successfully developed in 2001: MM0933, MM1033A special speed through hole rotary hydraulic cylinder.
2002 Successfully developed in 2002: HN06 , HG-1336.
ISO 9001 certification approved.
2003 Successfully developed In 2003: researched and developed HB4 Boring Mill Jaws, P165 Floating Center, N204 and NB series Chucks with Extra Large Through-Hole.
2004 Successfully developed In 2004: enlarged the factory complex, and researched and developed DR series Draw Down Power Chuck and BL series Ball Swing Lock Chuck.
2005 Successfully developed In 2005 17"~21"(F61) Finger chuck and 19"~24" Finger chuck
2006 successfully developed in 2006 MK-1452 cylinder and V232 (800mm) closde center power chuck
2007 successfully developed in 2007 V240(1000mm) power chuck and MS250C power cylinder.
2008 Successfully developed In 2008 V250 (1250mm) power chuck and VE263 (1600mm) Vertical Lathe chuck.
2009 Successfully developed In 2009:ML-2816 extra large throgh bole rotay bydraulic cylinder.
2010 Successfully developed In 2010:ML-3320 extra large throgh bole rotay bydraulic cylinder.

The above models have been mass produced and application for their multiple patent rights and copyrights have been filed. Our strong R&D activities are highly praised in Taiwan.

Pioneers Of Innovation And Research

At Di Chun, we have an excellent team of engineers to creat new ideas and concepts into high quality products for the market. To improve its function, accuracy, durability of the product and environmental protection are our long term work. All new products are subject to through performance testing and only after result analysis areconfirmed, the product is ready for adoption into the company's product range.

The P-D-C-A circle method applied in production, assures quality products are produced and can complete with the best competition.

The new product designs have many advantageous features but not found in many of our competitors products. For example, our through bore, 3-jaw, wedge type chuck is more compact and light weight, when fitted with our Hi-speed rotary cylinder, the package offers high rotational accuracy, thus reducing vibration at the work piece, its reduced inertia and running torque make less demand on machine power.

The 'M' model Super High Speed rotary cylinder benefits from its aluminium construction and innovative cooling feature, safety features to prevent sudden change in working pressure at the cylinder provide for safer operation.

During the design and development process, the latest CAD and FEA software is used to simulate heat and stress in a dynamic model. Actual testing of different materials, resulted in the use of Alumni cast iron.

The CAE techniques employed, contribute towards a higher quality finished product in shorter time, assist in efficient communication between R&D and other departments.

R&D

AUTO CAD

AUTO CAD

MACHINING SCENE

CUTTING

GRINDING

SPOTLIGHT OF PRODUCT ASSEMBLY

ASSEMBLY LINE

CAD STUDIO

MACHINING CENTER

Quality is our responsibility

Customer satisfaction is our prior responsibility. Di Chun proud with its products quality and effort to producing new and more advanced products. We obtained an MCS machinery components' certificate in 1993. The following year won the Ging Ting Award for outstanding "Through Bore Hydraulic Cylinders". In September 1995, we applied the CE mark and ISO 9002 certification, has been applied for.
High tech. equipment such as TESA two dimensional height gauge and an IMPACT three dimensional co-ordinate measuring machine are used for parts and assembled unit inspection. A long term effort and more facilities have been used to provide a highly competitive market with the best products. All data relating to the product quality control, including purchased materials, parts, and service reports are kept and analysed, to ensure the best quality. Customer consult and other service are on going as our regular service schedule.

Di Chun as a leading manufacturer of cutting equipment for machine tools and...

QUALITY GUARANTEED

DYNAMIC BALANCE TESTING

PULL/PUSH FORCE TESTING

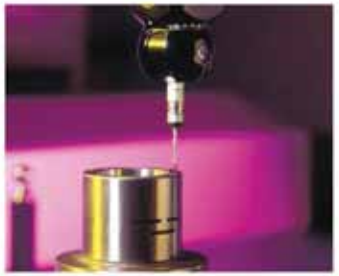
JAWS CLEANING

CENTRIFUGAL FORCE TESTING

PRODUCTS LIFE SPAN TESTING

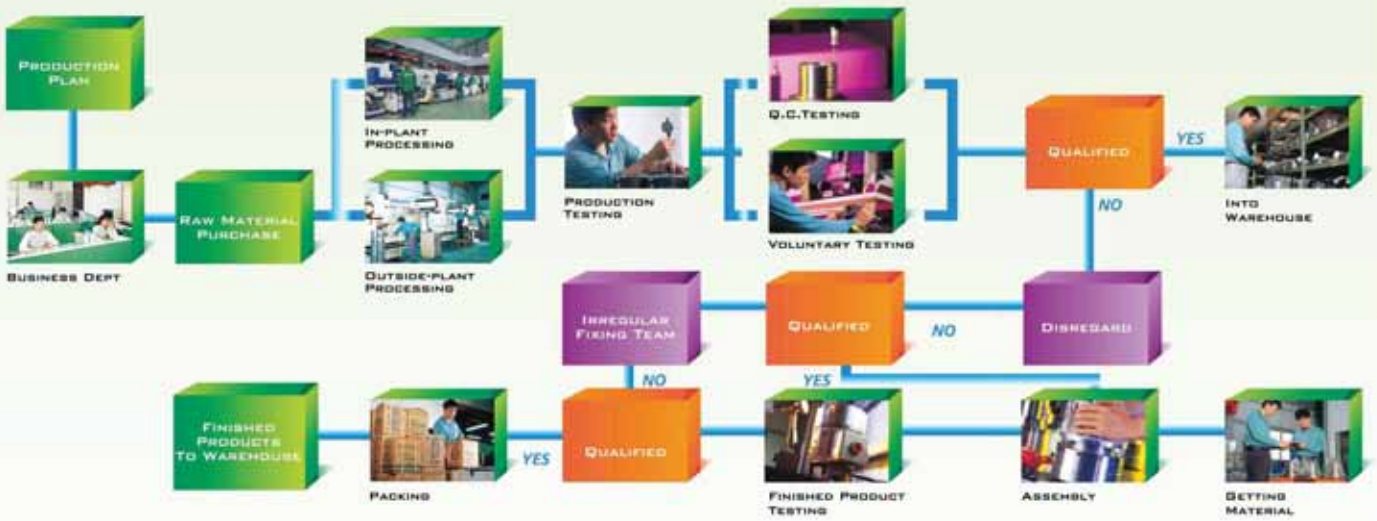
SPOTLIGHT OF PRODUCT ASSEMBLY

CMM THREE DIMENSION TESTING



Q.C.MEETING

TWO DEMENSION TESTING



Manufacturing Management is The Key Way To Approch Customer Satisfaction

Di chun take much cares on consistent quality, efficient production and cost control.Manufacturing managernent begins with the specification, controlled processing and prior inspection of the raw material, suitable for our products.

The systernatic manufacture and inspection of each part of component to find out errors at the right time, these can be corrected by our reclaim department and go through furtherinspection for be qualified and use on assembly. It save assembly time minimize errors, in production due to missing parts and ensure the quality of the finished product will consistently to meet the standard requirements.All inspection and test reports are kept permanently at the company for future reference.

AUTO Strong

Reasonable Price And High Quality Permit To Success

Di Chun believe, high quality products and price advantage are the key to success in a keen competitive market. Di Chun is leading the lathe chuck manufacturing industry in Taiwan.The advanced "STRONG" product series range are widely welcomed.

The "STRONG" series interchangeable jaw chucks.

The "STRONG" series, Meehanite, 3 jaw scroll chucks.

The "STRONG" series, hydraulic, through bore, 3 jaw wedge chucks.

The "STRONG" series, hydraulic, through bore, high speed and super high speed rotary cylinders.

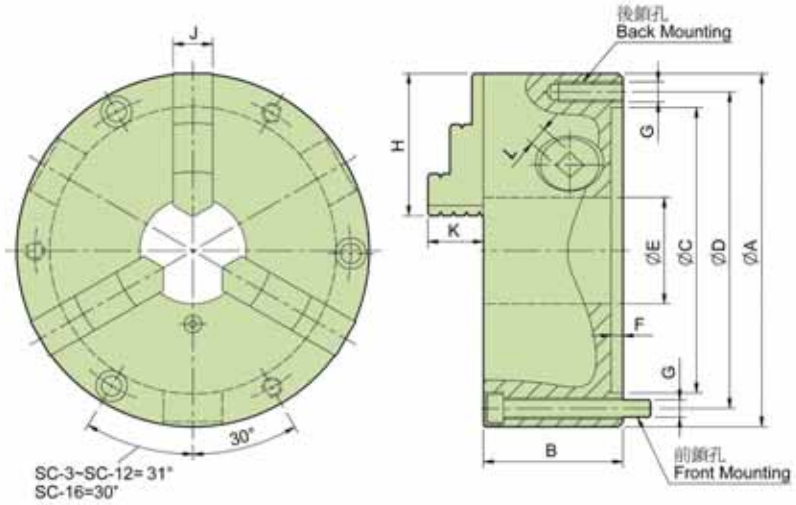
With 60% of the Taiwan market and world-wide exports to USA, UK, Germany, China, Tailand, Japan..... and more, Di Chun are well established to offer the best possible products and service to its existing and new customers.

SC SERIES

SPECIFICATIONS:

3-JAW SCROLL CHUCK PLAIN BACK, SOLID JAWS.

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 (0.012inch) 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 chucks.



SPECIFICATIONS: UNIT:mm

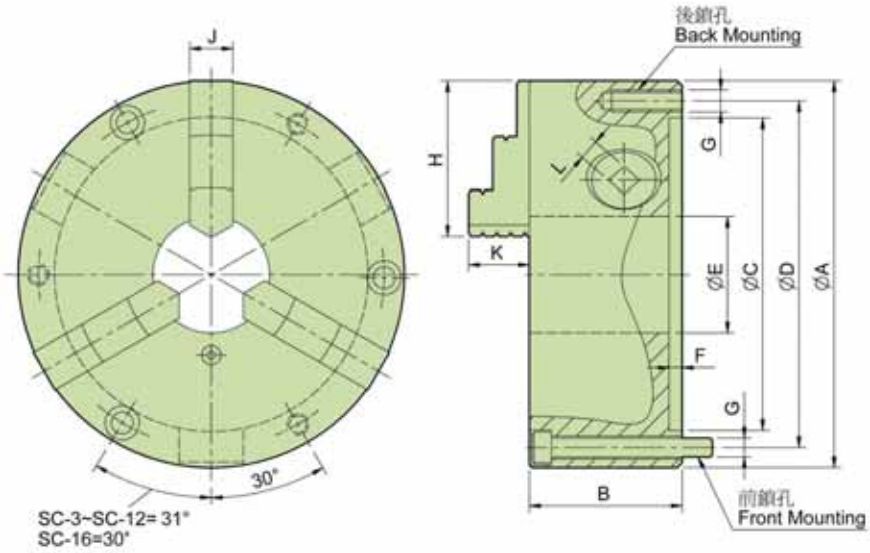
Dim / Model	A	B	C	D	E	F	G Back	G Front	H	J	K	L	Allowable Handle Torque (kgf·m)	Gripping Force (kgf)	Moment of Inertia I (kg·m²)	Weight (kg)	Max. Speed (r.p.m.)	Gripping Range O.D. range	Gripping Range I.D. range
SC-3	86	46	60	73	16	4	3-M6	3-M6x50	36	11	15	7	3.0	900	—	1.7	3500	ø 2-ø70	ø24. ø 64
SC-4	112	60	80	95	24	4.8	3-M8	3-M8x70	42	14	16.6	8	4.5	1200	—	3.7	2500	ø 3-ø95	ø28. ø 84
SC-5	132	60	100	115	32	4.8	3-M8	3-M8x70	50	16	20.3	8	6.5	1500	0.01	5.2	2500	ø 3-ø110	ø33- ø100
SC-6	167	67	130	147	45	5.5	3-M10	3-M10x70	63	19	23.7	10	9.0	3300	0.03	9.3	4000	ø 4-ø160	ø48- ø150
SC-7	192	76.5	155	172	58	5.5	3-M10	3-M10x80	77	21.5	29.4	11	11.0	3600	0.06	14.2	3500	ø 4-ø180	ø56- ø170
SC-8	200	76.5	160	176	58	5.5	3-M10	3-M10x80	77	21.5	29.4	11	11.0	3600	0.07	16	3200	ø 4-ø190	ø62- ø180
SC-9	232	84	190	210	70	6	3-M12	3-M12x90	87	24	35.6	12	15.0	3900	0.15	22.7	2900	ø 5-ø220	ø62- ø210
SC-10	273	87	230	250	89	8	3-M12	3-M12x90	98	28	39.5	12	19.5	4800	0.25	31.8	2500	ø 6-ø260	ø70- ø250
SC-12	310	96	260	285	105	7	3-M12	3-M12x110	110	30	45.6	14	21.0	5100	0.58	44.8	2200	ø10-ø300	ø86- ø290
SC-16	405	122	345	375	160	8.7	—	6-M14x130	146	42	56.3	15	23.0	4500	1.75	102	1500	ø30-ø380	ø110-ø360

SIC SERIES

SPECIFICATIONS:

4-JAW SCROLL CHUCK PLAIN BACK, SOLID JAWS.

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 chucks.



SPECIFICATIONS: UNIT:mm

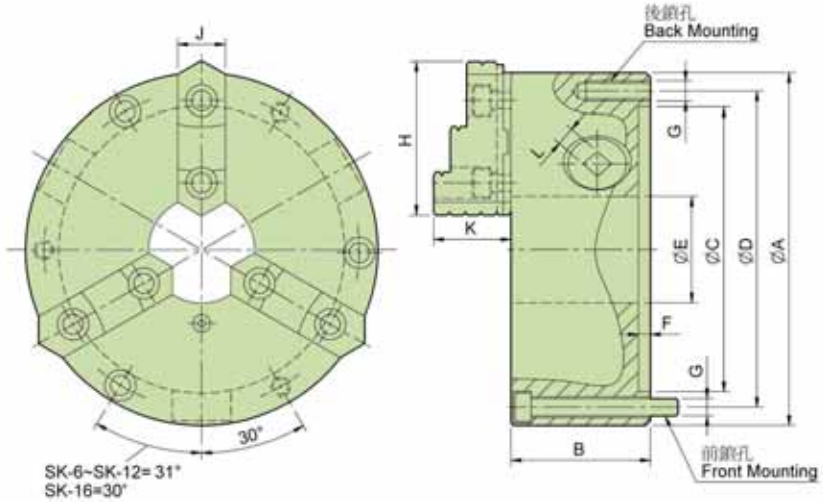
Dim / Model	A	B	C	D	E	F	G Back	G Front	H	J	K	L	Allowable Handle Torque (kgf·m)	Gripping Force (kgf)	Moment of Inertia I (kg·m²)	Weight (kg)	Max. Speed (r.p.m.)	Gripping Range O.D. range	Gripping Range I.D. range
SIC-7	192	76.5	155	172	58	5.5	3-M10	—	77	21.5	29.4	11	11.0	3600	0.06	14.8	3500	ø 4-ø180	ø56-ø170
SIC-9	232	84	190	210	70	6	3-M12	—	87	24	35.6	12	15.0	3900	0.16	23.2	2900	ø 5-ø220	ø62-ø210
SIC-12	310	96	260	285	105	7	3-M12	—	110	30	45.6	14	21.0	5100	0.58	47	2200	ø10-ø300	ø86- ø290
SIC-16	405	122	345	375	160	8.7	—	6-M14x130	146	42	56.3	15	23.0	4500	1.72	107	1500	ø30-ø380	ø110-ø360

SK SERIES

SPECIFICATIONS:

3-JAW STRONG SCROLL CHUCK
PLAIN BACK, 2-PIECE JAWS.

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 (0.012 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 chucks.



SK-6~SK-12= 31°
SK-16=30°

SPECIFICATIONS:

UNIT:mm

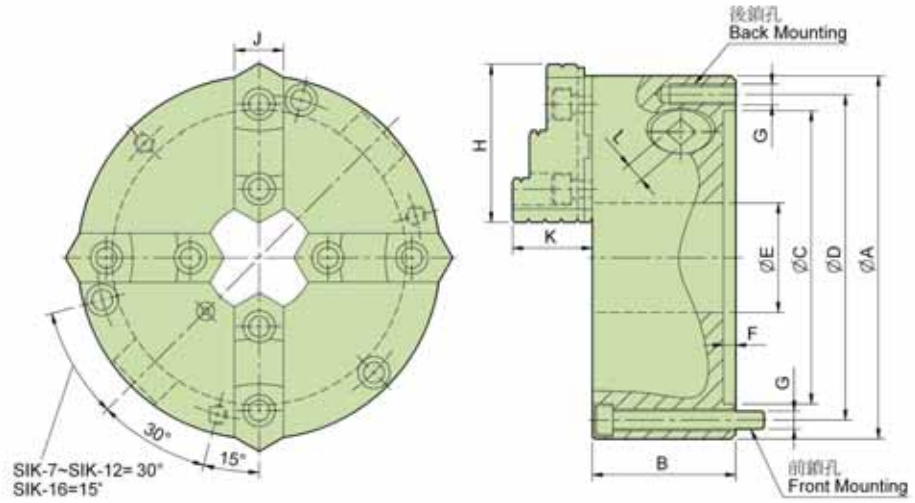
Model \ Dim	A	B	C	D	E	F	G Back	G Front	H	J	K	L	Allowable Handle Torque (kgf·m)	Gripping Force (kgf)	Moment of Inertia I (kg·m²)	Weight (kg)	Max. Speed (r.p.m.)	Gripping Range O.D. range	Gripping Range I.D. range
SK-6	167	67	130	147	45	5.5	3-M10	3-M10x70	72	26	40.2	10	9.0	3300	0.03	9	4000	ø4-ø180	ø55-ø150
SK-7	192	76.5	155	172	58	5.5	3-M10	3-M10x80	81.2	28	42	11	11.0	3600	0.06	13.8	3500	ø8-ø180	ø62-ø170
SK-8	200	76.5	160	176	58	5.5	3-M10	3-M10x80	82	28	42	11	11.0	3600	0.07	15.5	3200	ø8-ø190	ø68-ø180
SK-9	232	84	190	210	70	6	3-M12	3-M12x90	90.9	32	51.2	12	15.0	3900	0.16	22	2900	ø11-ø220	ø70-ø210
SK-10	273	87	230	250	89	8	3-M12	3-M12x90	100.5	35	56.7	12	19.5	4800	0.26	29.7	2500	ø12-ø260	ø80-ø250
SK-12	310	96	260	285	105	7	3-M12	3-M12x110	114.5	40	56.8	14	21.0	5100	0.58	43.5	2200	ø15-ø300	ø90-ø290
SK-16	405	122	345	375	160	8.7	—	6-M14x130	148.6	50	76.1	15	23.0	4500	1.72	98	1500	ø30-ø380	ø110-ø360

SIK SERIES

SPECIFICATIONS:

4-JAW STRONG SCROLL CHUCK
PLAIN BACK, 2-PIECE JAWS.

1.Hard jaws are adopted for square 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 chucks.



SIK-7~SIK-12= 30°
SIK-16=15°

SPECIFICATIONS:

UNIT:mm

Model \ Dim	A	B	C	D	E	F	G Back	G Front	H	J	K	L	Allowable Handle Torque (kgf·m)	Gripping Force (kgf)	Moment of Inertia I (kg·m²)	Weight (kg)	Max. Speed (r.p.m.)	Gripping Range O.D. range	Gripping Range I.D. range
SIK-7	192	76.5	155	172	58	5.5	3-M10	—	82	28	42	11	11.0	3600	0.06	14.1	3500	ø8-ø180	ø62-ø170
SIK-9	232	84	190	210	70	6	3-M12	—	96	32	51.2	12	15.0	3900	0.16	22.2	2900	ø11-ø220	ø70-ø210
SIK-12	310	96	260	285	105	7	3-M12	—	114.5	40	56.8	14	21.0	5100	0.58	45	2200	ø15-ø300	ø90-ø290
SIK-16	405	122	345	375	160	8.7	—	6-M14x130	148.6	50	76.1	15	23.0	4500	1.72	108	1500	ø30-ø380	ø110-ø360