Samchully Machinery Co., Ltd.

Offers 30 years of experience in providing a wide range of premium quality work-holding products such as application, hydraulic, and manual chucks, milling vises, magnet chuck and rotary tables.

In keeping with our tradition of providing quality products, we perennially hold ISO:9001 and TUV certifications. Samchully Machinery Co., Ltd. also received Single Part Per Million certification [Single PPM] in 2007. The Single PPM quality assurance program is specifically adapted to North-East Asian manufacturing which relies heavily on outsourcings to leverage economies of scale. The Single PPM program emphasizes close collaboration with employees and vendors to reduce incoming component defects to a single digit (less than 10) for every million parts received. Samchully is one of the first certified organizations in South Korea.

We proudly supply some of the world's leading machine tool makers, including Doosan (Daewoo), Hyundai-Wia (Kia) and Haas Automation, and provide after-market sales support through an extensive global network of distributors.

At Samchully, we are committed to you, our customer. We pride ourselves in providing the best value product in the world by combining premium quality, affordable pricing, and reliable service. We believe that you deserve better workholding options– you deserve Samchully.

SAMCHULLY

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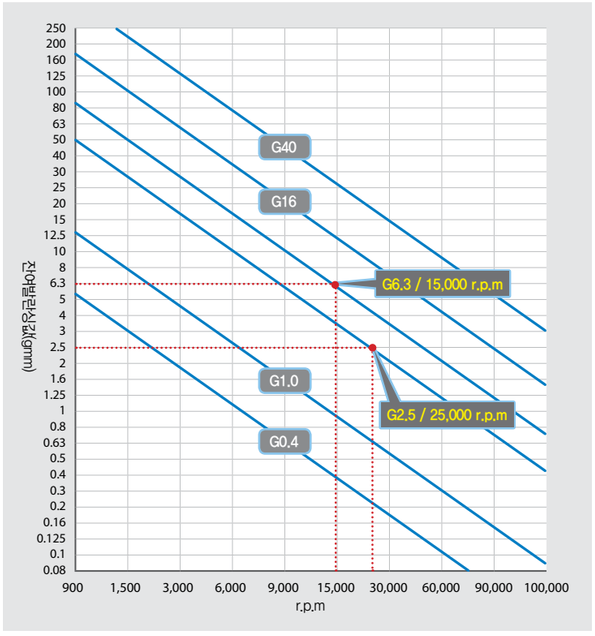
ACC Z1

BALANCING SYSTEM

Optimal balancing system for high–precision machining
with high–speed machine tools

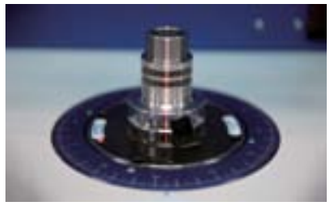
+ Improves machining quality and extends the service life of equipment and tools by minimizing imbalance during rotation at high speed
+ Features tailored balancing functions

Balancing Grade Quality According to ISO1940



Balancing Grade

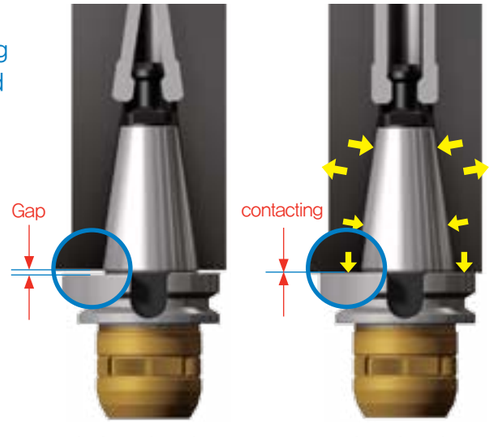
STANDARD	HIGH
G 6.3 15,000 r.p.m	G 2.5 25,000 r.p.m



BTT Shank [Rear binding system]

Rear binding system
delivers high rigidity and precise machining
by simultaneously contacting the taper and
cross section with the spindle

+ Taper tolerance within AT3
+ Improved precision superior to BT during repetition of ATC
+ Spindle protected by preventing introduction of foreign substances
+ Also available with the BT spindle machine

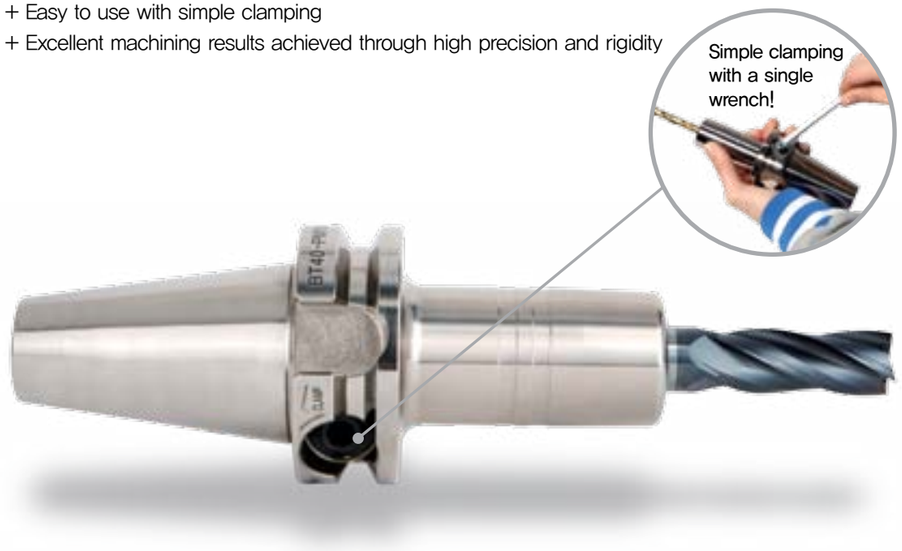


before clamping　　after clamping

PRIME CHUCK

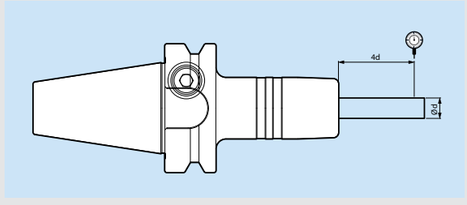
SAMCHULLY's Prime chuck features an integrated structure with a slim design,
allowing ultra–precision machining

+ Easy to use with simple clamping
+ Excellent machining results achieved through high precision and rigidity



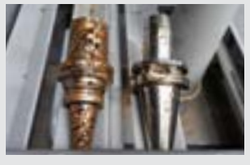
Maintains high precision and high rigidity

High precision of 4D leading edge run–
out to within 3㎛
G2.5 / 30,000RPM



Special surface coating prevents corrosion

Machining with a corroded chuck affects the durability of work pieces
and machine tools

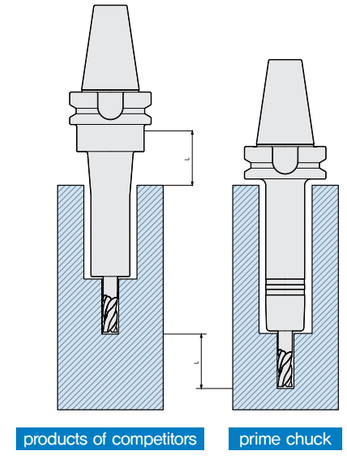


Saline water test

(Left) Corroded common chuck
(Right) Prime chuck

Slim body with integrated structure

Minimal interference during machining



SPEEDIA MILLING CHUCK

The ideal solution for high-speed precision machining , SAMCHULLY's Speedia high-speed milling chuck

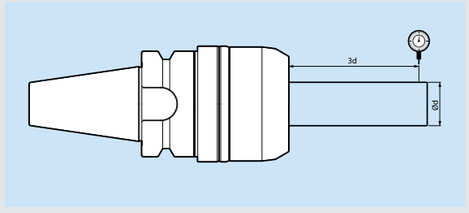
+ Precision machining at high rotation speed (rpm)
+ Gentle and powerful clamping with ring spanner

Max RPM 25,000

Enhanced holding power and balance for high-speed machining

Run-out with improved precision

High precision of 3D leading edge run-out to within 5 ㎛



Special surface coating prevents corrosion

Machining with a corroded chuck affects the durability of work pieces and machine tools

Saline water test

(Left) Corroded common chuck
(Right) Prime chuck

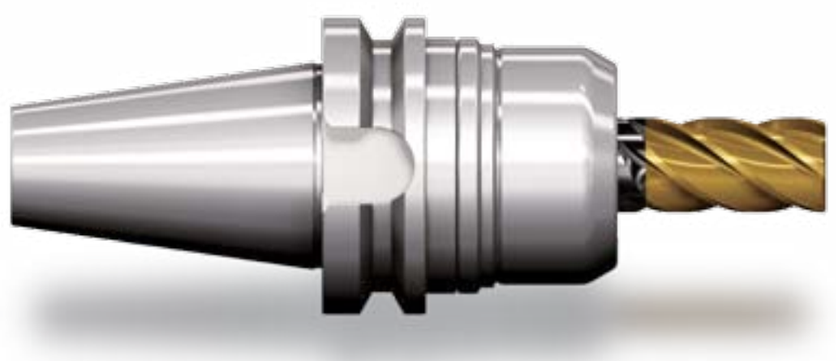
Adoption of ring spanner

powerful clamping with small power

ULTRA MILLING CHUCK

A machining solution that delivers ultra-high rigidity and precision , SAMCHULLY's Ultra Milling Chuck

+ Powerful machining capability with improved rigidity and stability
+ Gentle and powerful clamping with ring spanner

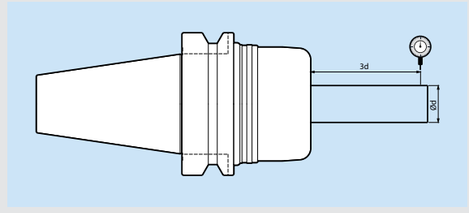


Ultra-high-rigidity, high-speed and high-precision solution exclusive to BT50

Enhanced holding power and balance for high-speed machining

Run-out with improved precision

High precision of 3D leading edge run-out to within 5㎛



Special surface coating prevents corrosion

Machining with a corroded chuck affects the durability of work pieces and machine tools

Saline water test

(Left) Corroded common chuck
(Right) Prime chuck

Adoption of ring spanner

powerful clamping with small power

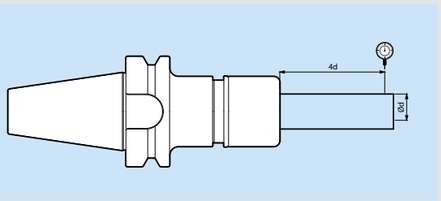
SPEEDIA SK COLLET CHUCK

SAMCHULLY's Speedia high-speed SK collet chuck offers improved precision and balance

+ High-precision, high-speed solution with a slim and compact design

Maintains high precision and high rigidity

High precision of 4D leading edge run-out to within 3㎛
G2.5 / 25,000RPM



Adoption of ring spanner

powerful clamping with small power

Special surface coating prevents corrosion

Machining with a corroded chuck affects the durability of work pieces and machine tools

Saline water test

(Left) Corroded common chuck

(Right) Prime chuck

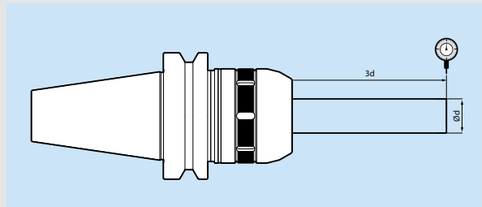
GOLDEN MILLING CHUCK

SAMCHULLY's Golden milling chuck offers even higher precision and rigidity

+ Functional TiN coating guarantees stable heavy cutting
+ Improves luminance of machined surfaces and extends the service life of tools

High-precision machining with excellent run-out

High precision of 3D leading edge run-out to within 10 ㎛ (within 5 ㎛ for high-speed model)

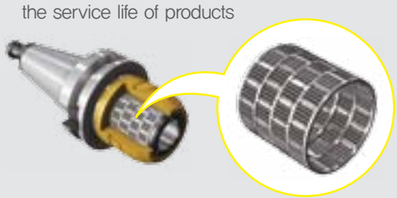


Fully close contact of cross section: Applied to all milling chucks

Improved rigidity, prevention of introduction of foreign substances

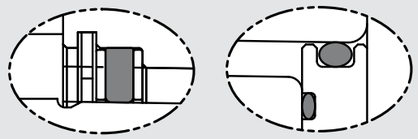
Improved interior cage

Full machining of high-precision and high-rigidity interior cage (not conventional rolling mode) extends the service life of products



Perfect sealing

Perfectly sealed structure with sealing cover for interior lubrication Prevents grease leakage and introduction of foreign substances, ensuring significantly longer service life



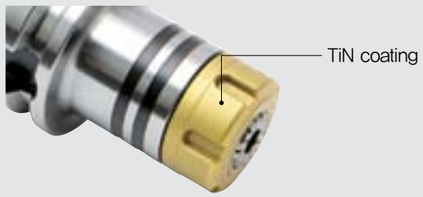
ER COLLET CHUCK

SAMCULLY ER collet chuck with improved precision of collet and nut

+ Specially tempered nut of high-quality material → Improved precision, durability and service life
+ Tight nut clamping, all parts fabricated in-house to guarantee stable quality

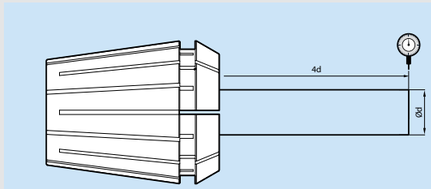
Special surface coating

→ TiN coating of nut surface for effective protection of product
→ Easy tool clamping with function for preventing collet disengagement
→ Thorough control of contact ratio of threads and taper



High precision of collet with 5 ㎛

High precision of 4D leading edge run-out to within 5 ㎛ (General model 10 ㎛/precision model 5 ㎛)



Service life of machine extended by good balancing

DIN ISO 1940

→ Standard : G6.3 / 15,000 rpm
→ High-speed rotation model: G2.5/25,000 rpm
High-speed balancing possible

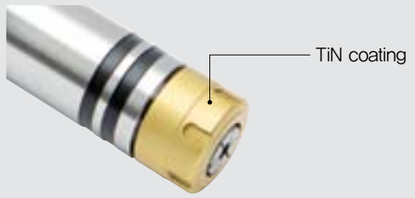
SLIM SK COLLET CHUCK

SAMCHULLY's Slim SK collet chuck features a slim design and improved power

+ Slim body and nut for optimized precision machining
+ Specially tempered interior nut → Improved precision, durability and service life of product, tight nut clamping

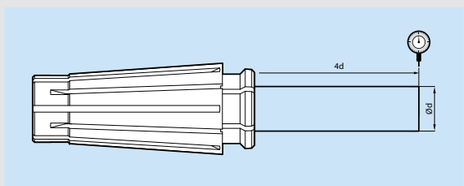
Special surface coating

→ TiN coating of nut surface for effective protection of product
→ High tolerance of nut and body clamping screw controlled to provide a high-precision, stable machining environment



High precision of collet with 5 ㎛

High precision of 4D leading edge run-out to within 5 ㎛ (General model 5 ㎛/precision model 3 ㎛)



Service life of machine extended by good balancing

DIN ISO 1940

→ Standard : G6.3 / 15,000 rpm
→ High-speed rotation model : G2.5 / 25,000 rpm
High-speed balancing possible

BT Series

Samchully is the global machine tool's total company which has been supplied various and wide range of solutions for turning and machining center,we are aiming for the improvement of productivity and high precision machining to manufacturing industry through awesome products and technology innovation.

PRIME Chuck
A 2 P

Shrink-fit Chuck
A 20 P

SPEEDIA Milling Chuck
A 4 P

Drill Chuck
A 22 P

ULTRA Milling Chuck
A 6 P

Side Lock Holder
A 23 P

SPEEDIA SK Collet Chuck
A 7 P

Face Mill Arbor(A Type)
A 24 P

Golden Milling Chuck
A 10 P

Face Mill Arbor(C Type)
A 25 P

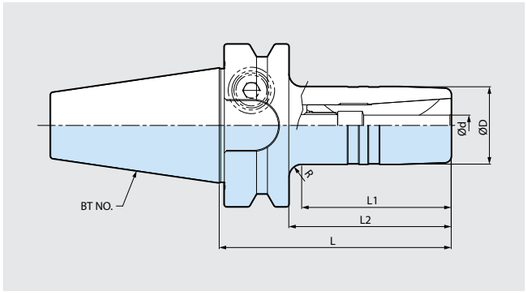
ER Collet Chuck
A 12 P

Slim SK Collet Chuck
A 14 P

Hydraulic Chuck
A 17 P

BT PRIME Chuck for Ultraprecision Machining System

Use of wrench



DESCRIPTION

BT40-PM8-90

- BT40 — Shank type
- PM — Code of prime chuck
- 8 — Inner diameter of chuck Φ
- 90 — Length (See L value on the drawing)

SUMMARY

- Features 5p
- MAS 403-BT — Shank
- 3㎛ — Run-out
- 30,000 — MAX R.P.M
- Collet Z5p
- P.S Bolt Z2p

DIMENSIONS & SPECIFICATIONS

	Φd (mm)	ΦD	L	L1	L2	R
BT30 - PM4-80	1.8~4.0	15	80	41	46	5
PM4-105	1.8~4.0	15	105	66	71	5
PM8-95	1.8~8.0	20	95	56	61	5
PM8-105			105	66	71	5
PM12-100	2.8~12.0	30	100	61	66	5
PM12-105			105	66	71	5
PM16-105	2.8~16.0	34	105	66	71	5
BT40 - PM4-75	1.8~4.0	15	75	42	47	5
PM4-90	1.8~4.0	15	90	67	72	5
PM8-80	1.8~8.0	20	80	48	53	5
PM8-90			90	58	63	5
PM8-110			110	75	83	8
PM8-120			120	85	93	8
PM12-90	2.8~12.0	30	90	58	63	5
PM12-110			110	75	83	8
PM12-120			120	85	93	8
PM16-90	2.8~16.0	34	90	58	63	5
PM16-120			120	82	90	8
BT40 - PM20-110	3.8~20.0	42	110	76	80	4
BT50 - PM4-85	1.8~4.0	15	105	35	47	12
PM4-105	1.8~4.0	15	105	52	67	15
PM8-85	1.8~8.0	20	85	39	47	8
PM8-105			105	55	67	12
PM8-115			115	65	77	12
PM8-135			135	82	97	15
PM8-145			145	92	107	15
PM8-165			165	109	127	18
PM12-90	2.8~12.0	30	90	47	52	5
PM12-105			105	59	67	8
PM12-120			120	74	82	8
PM12-135			135	85	97	12
PM12-150			150	100	112	12
PM12-165			165	112	127	15
PM16-105	2.8~16.0	34	105	59	67	8
PM16-135			135	85	93	12
PM16-165			165	112	120	15
PM20-110	3.8~20.0	42	105	67	72	5
PM20-135			135	92	97	8
PM20-165			165	122	127	12

※ A fastening wrench is included inside the prime chuck box
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

BT series

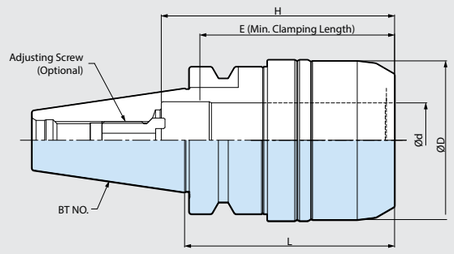
BT High Speed Rotation SPEEDIA Milling Chuck

Use of ring spanner

DESCRIPTION

BT40-C32-90S

- High-speed rotation model
- Length (See L value on the drawing)
- Inner diameter of chuck Φ
- Code of Speedia milling chuck
- Shank type



SUMMARY

Features 6p	Shank: MAS 403-BT	Run-out: 5㎛	MAX R.P.M: 25,000	AD Screw Z4p
Collet Z3p	Spanner Z4p	P.S Bolt Z2p		

DIMENSIONS & SPECIFICATIONS

	Φd(mm)	ΦD	L	H	E	Weight(kg)
BT30 - C16-75S	16	40	75	65	55	0.6
C20-75S	20	48		80	56	0.6
C25-80S	25	55	80	70	57	1.3
C32-100S	32	62	100	76	58	1.5
BT40 - C16-75S	16	40	75	65	55	1.3
C16-90S	16		90		55	1.5
C20-75S	20	48	75	80	56	1.4
C20-90S	20		90		56	1.7
C25-75S	25	55	75	85	57	1.7
C25-90S	25		90		57	2.0
C32-90S	32	68	90	100	64	2.0
C32-105S	32		105		64	2.3
C32-135S	32		135	105	64	2.9
BT50 - C16-105S	16	40	105	85	55	4.1
C16-135S	16		135		55	4.4
C20-105S	20	48	105	85	56	4.4
C20-135S	20		135		56	4.8
C25-105S	25	55	105	90	65	4.6

	Φd(mm)	ΦD	L	H	E	Weight(kg)
BT50 - C25-135S	25	55	135	90	65	5.2
C32-105S	32	68	105	105	71	4.7
C32-135S	32		135		71	5.7

※ The straight collet and spanner are available as optional features
※ "H" stands for the tool adjustment length in the axial direction, An M8 screw is required to adjust the length to the C16 standard
※ It is recommended to use products with an L value of 105 or higher for heavy cutting
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

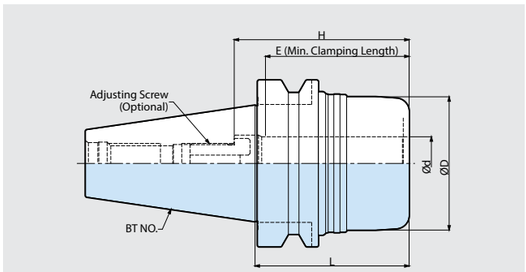
BT ULTRA High-rigidity milling chuck for High-speed rotation

Use of ring spanner

DESCRIPTION

BT50-UTC32-105S

- L — High-speed rotation model
- 105 — Length (See L value on the drawing)
- 32 — Inner diameter of chuck Φ
- UTC — Code of Ultra milling chuck
- BT50 — Shank type



SUMMARY

Features 7p	MAS 403-BT Shank	5㎛ Run-out	25,000 MAX R.P.M	AD Screw Z4p
Spanner Z4p	P.S Bolt Z2p	Collet Z3p		

DIMENSIONS & SPECIFICATIONS

	Φd(mm)	ΦD	L	H	E	Weight(kg)
BT50- UTC16-105S	16	46	105	71	50	4.5
UTC16-135S			135			5.2
UTC20-105S	20	60	105	69~79	56	5.2
UTC20-135S			135			5.9
UTC25-105S	25	70	105	76~86	65	5.5
UTC25-135S			135			6.4
UTC25-165S			165			7.6
UTC32-115S	32	80	115	78~95	71	5.4
UTC32-135S			135			7.1
UTC32-165S			135			8.6
UTC42-115S	42	99	115	88~105	71	6.2
UTC42-135S			135			7.7
UTC42-165S			165			9.4

※ The straight collet and spanner are available as optional features
※ "H" stands for the tool adjustment length in the axial direction. An M8 screw is required to adjust the length to the C16 standard
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

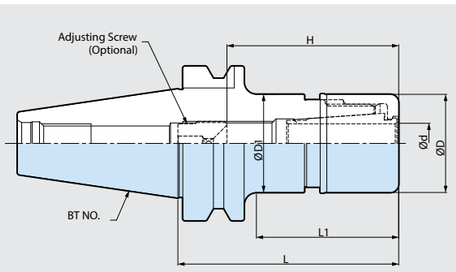
BT High Speed SPEEDIA SK Collet Chuck

Use of ring spanner

DESCRIPTION

BT40-SK10-90S

- L — High-speed rotation model
- 90 — Length (See L value on the drawing)
- 10 — Inner diameter of chuck Φ
- SK — Code of Speedia collet chuck
- BT40 — Shank type



SUMMARY

Features 8p	MAS 403-BT Shank	3㎛ Run-out	25,000 MAX R.P.M	G2.5 Balancing
Collet Z12p	Spanner Z4p	P.S Bolt Z2p	NUT Z13p	AD Screw Z14p

DIMENSIONS & SPECIFICATIONS

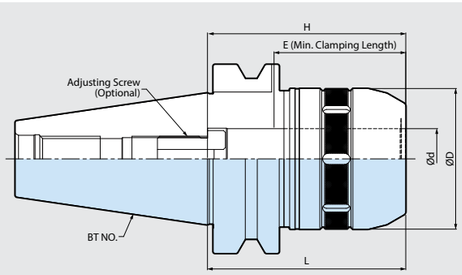
	Φd(mm)	ΦD	ΦD1	L	L1	H	Weight(kg)
BT30 - SK6-60S	1.8~6.0	19.5	19.5	60	33	35	0.7
SK6-90S				90	60		0.7
SK6-120S				120	90		0.9
SK10-45S	1.75~10.0	27.5	27.5	45	22	50	0.8
SK10-60S				60	35		0.9
SK10-75S				75	50		0.9
SK10-90S				90	65		1.0
SK10-120S				120	95		1.1
SK13-60S	2.75~13.0	33	33	60	35	50	1.0
SK13-75S				75	50	65	1.0
SK13-90S				90	65		1.1
SK13-120S				120	95		1.2
SK16-60S	2.75~16.0	40	40	60	37	60	1.1
SK16-75S				75	52	65	1.1
SK16-90S				90	67		1.2
SK16-120S				120	97	70	1.4
SK20-60S	3.6~20.0	48	46	60	38	59.5	0.7

	Φd(mm)	ΦD	ΦD1	L	L1	H	Weight(kg)
BT30 - SK20-75S	3.6~20.0	48.5	46	75	53	75	0.8
SK20-90S				90	68	75	1.2
SK25-90S	7.6~25.4	55	55	90		75	1.5
BT40 - SK6-60S	1.8~6.0	19.5	19.5	60	30	35	1.0
SK6-90S				90	51		1.1
SK6-120S				120	81		1.4
SK6-150S				150	111		1.5
SK10-60S	1.75~10.0	27.5	27.5	60	32	50	1.1
SK10-75S				75	45		1.1
SK10-90S				90	53		1.2
SK10-120S				120	83		1.4
SK10-150S				150	113		1.6
SK10-180S				180	143		1.6
SK10-200S				200	161		1.8
SK13-60S	2.75~13.0	33	33	60	28	65	1.2
SK13-75S				75	43		1.3
SK13-90S				90	58		1.4
SK13-120S				120	88		1.6
SK13-150S				150	115		1.8
SK13-180S				180	145		1.8
SK13-200S				200	165		2.0
SK16-60S	2.75~16.0	40	40	60	32	65	1.3
SK16-75S				75	43	67	1.4
SK16-90S				90	58	67	1.5
SK16-120S				120	88		1.7
SK16-150S				150	118		1.9
SK16-180S				180	148		2.0
SK16-200S				200	168		2.1
SK20-60S	3.6~20.0	48	48	60	32	60	1.3
SK20-75S				75	45	70	1.4
SK20-90S				90	60	80	1.6
SK20-120S				120	90		2.0
SK25-75S	7.6~25.4	55	55	75	47	75	1.7
SK25-90S				90	61		1.8
SK25-120S				120	91	85	2.0
BT50 - SK6-105S	1.8~6.0	19.5	19.5	105	55	35	3.8
SK6-135S				135	82		3.9

	Φd(mm)	ΦD	ΦD1	L	L1	H	Weight(kg)
BT50 - SK6-165S	1.8~6.0	19.5	19.5	165	112	35	4.0
SK6-200S				200	147		4.2
SK10-105S	1.75~10.0	27.5	27.5	105	57	50	4.2
SK10-135S				135	82		4.4
SK10-165S				165	112		4.6
SK10-200S				200	147		4.8
SK10-225S				225	172		5.0
SK13-105S	2.75~13.0	33	33	105	62	65	4.5
SK13-135S				135	92		4.7
SK13-165S				165	112		4.9
SK13-200S				200	147		5.2
SK16-105S	2.75~16.0	40	40	105	62	70	4.7
SK16-135S				135	92		4.9
SK16-165S				165	115		5.1
SK16-200S				200	150		5.5
SK20-105S	3.6~20.0	48	48	105	62	80	4.3
SK20-135S				135	92		4.6
SK20-165S				165	122		5.0
SK20-200S				200	157		5.3
SK25-105S	7.6~25.4	55	55	105	62	85	5.2
SK25-135S				135	92		5.4
SK25-165S				165	122		5.6
SK25-200S				200	157		6.0

※ The Sk collet and ring spanner are available as optional features
※ "H" stands for the tool adjustment length in the axial direction,
※ Dimensions and specifications are subject to change, Please contact us for further information about our products in addition to the aforementioned specifications

BT Standard Golden Milling Chuck



DESCRIPTION

BT40-C32-90

- Length (See L value on the drawing)
- Inner diameter of chuck Φ
- Code of Milling chuck
- Shank type

SUMMARY

Features 9p | MAS 403-BT Shank | 10㎛ Run-out | AD Screw Z4p | Collet Z3p | Spanner Z4p | P.S Bolt Z2p

DIMENSIONS & SPECIFICATIONS

	Φd(mm)	ΦD	L	H	E	Weight(kg)
BT30 - C16-75	16	45	75	65	55	0.8
C20-75	20	54	75	80	56	1.0
C25-80	25	62	80	70	57	1.2
C32-100	32	64	100	76	58	1.5
BT40 - C16-75	16	45	75	65	55	1.5
C16-90	16	45	90	65	55	1.8
C16-120	16	45	120	65	55	2.2
C20-75	20	54	75	80	56	1.7
C20-90	20	54	90	80	56	1.8
C20-105	20	54	105	80	56	2.0
C20-120	20	54	120	80	56	2.2
C25-75	25	62	75	85	57	1.9
C25-90	25	62	90	85	57	2.1
C25-120	25	62	120	85	57	2.5
C32-90	32	68	90	100	64	2.2
C32-105	32	68	105	100	64	2.5
C32-120	32	68	120	105	64	2.8
C32-135	32	68	135	105	64	3.1
BT50 - C16-105	16	45	105	65	55	4.2
C16-135	16	45	135	65	55	4.5
C16-165	16	45	165	65	55	4.8
C20-105	20	54	105	85	56	4.5
C20-135	20	54	135	85	56	4.8
C20-165	20	54	165	85	56	5.1
C20-180	20	54	180	85	56	5.4
C25-105	25	62	105	90	65	4.8
C25-135	25	62	135	90	65	5.2
C25-165	25	62	165	90	65	5.6
C32-105	32	75	105	105	71	4.6
C32-120	32	75	120	105	71	5.1
C32-135	32	75	135	105	71	5.6
C32-165	32	75	165	105	71	6.4
C32-200	32	75	200	105	71	7.8
C42-105	42	90	105	125	73	5.8
C42-120	42	90	120	125	73	6.6
C42-135	42	90	135	125	73	7.2
C42-165	42	90	165	125	73	8.6
C42-200	42	90	200	125	73	9.5

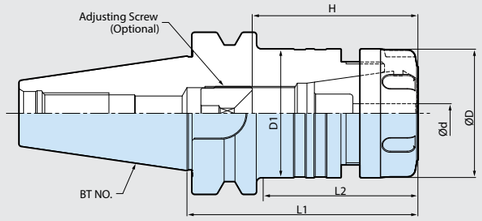
※ The straight collet and spanner are available as optional features
※ "H" stands for the tool adjustment length in the axial direction, An M8 screw is required to adjust the length to the C16 standard
※ It is recomm'ended to use products with an L value of 105 or higher for heavy cutting
※ Dimensions and specifications are subject to change, Please contact us for further information about our products in addition to the aforementioned specifications

BT ER Collet Chuck

DESCRIPTION

BT40-ER32-90

- Length (See L value on the drawing)
- Collet Size
- Code of ER Collet chuck
- Shank type



SUMMARY

Features 10p	MAS 403-BT Shank	15,000 MAX R.P.M	G6.3 Balancing	AD Screw Z9p
Collet Z6p	Spanner Z9p	P.S Bolt Z2p	NUT Z8p	

DIMENSIONS & SPECIFICATIONS

	Φd(mm)	ΦD	ΦD1	L1	L2	H	Weight(kg)
BT30 - ER11-50	2.0~7.0	19	19	50	26	26~38	0.5
ER11-75				75	50		0.5
ER11-105				105	80		0.6
ER16-50	1.0~10.0	28	28	50	26	35~50	0.5
ER16-75				75	50		0.5
ER16-90				90	65		0.6
ER16-105				105	80		0.6
ER20-75	1.0~13.0	34	34	75	51	42~62	0.6
ER20-105				105	81		0.7
ER25-50	2.0~16.0	42	42	50	27.6	53	0.6
ER25-75				75	52.6	44~67	0.7
ER25-105				105	82.6		0.8
ER32-60	2.0~20.0	50	50	60	38	60	0.5
ER32-90				90	68	50~68	0.8
ER32-120				120	98		1.0
BT40 - ER11-60	2.0~7.0	19	19	60	27	26~38	1.0
ER11-90				90	55		1.1
ER11-135				135	98		1.2
BT40 - ER16-60	1.0~10.0	28	28	60	29	35~50	1.1
ER16-90				90	57		1.2
ER16-135				135	100		1.4
ER20-60	1.0~13.0	34	34	60	31	42~62	1.1
ER20-90				90	60		1.3
ER20-120				120	89		1.5
ER20-150				150	119		1.8
ER25-60	2.0~16.0	42	42	60	31	44~67	1.2
ER25-90				90	60		1.4
ER25-120				120	89		1.6
ER32-60	2.0~20.0	50	50	60	32	50~68	1.1
ER32-90				90	61		1.4
ER32-120				120	90		1.7
ER40-90	2.0~26.0	63	58	90	62	56~71	2.4
ER40-120				120	91		2.7
BT50 - ER16-90	1.0~10.0	28	28	90	37	35~50	3.8
ER16-120				120	64		4.0
ER16-165				165	109		4.2
ER20-105	1.0~13.0	34	34	105	57	42~62	3.9
ER20-135				135	82		4.1
ER20-165				165	112		4.5
ER25-105	2.0~16.0	42	42	105	59	44~67	4.1
ER25-165				165	115		4.5
ER32-75	2.0~20.0	50	50	75	31	50~68	4.0
ER32-105				105	61		4.3
ER32-135				135	89		4.9
ER32-165				165	119		5.0
ER32-180				180	132		5.0
ER40-165	2.0~30.0	63	63	165	123	56~79	6.0

※ ER collet and spanner are available as optional features
※ "H" stands for the tool adjustment length in the axial direction.
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

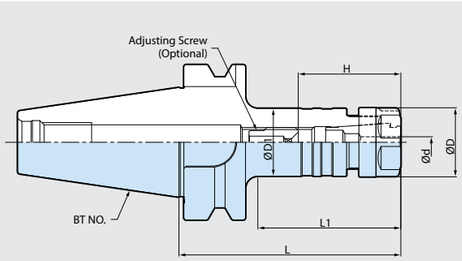
BT series

BT Slim SK Collet Chuck

DESCRIPTION

BT40-SK10-90

- Length (See L value on the drawing)
- Collet Size
- Code of Slim SK Collet chuck
- Shank type



SUMMARY

Features 11p	MAS 403-BT	15,000	G6.3	AD Screw Z14p
Collet Z11p	Shank	MAX R.P.M	Balancing	
	Spanner Z14p	P.S Bolt Z2p	NUT Z13p	

DIMENSIONS & SPECIFICATIONS

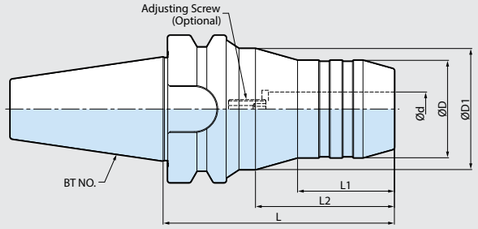
	Φd(mm)	ΦD	ΦD1	L	L1	H	Weight(kg)
BT30 - SK6-60	1.8~6.0	20	19.5	60	33	35	0.7
SK6-90				90	60		0.7
SK6-120				120	90		0.8
SK10-45	1.75~10.0	28	27.5	45	22	50	0.8
SK10-60				60	35		0.9
SK10-75				75	50		1.0
SK10-90				90	65		1.0
SK10-120				120	95		1.1
SK13-60	2.75~13.0	33	33	60	35	50	1.0
SK13-75				75	50	65	1.1
SK13-90				90	65		1.1
SK13-120				120	95		1.2
SK16-60	2.75~16.0	40	40	60	37	60	1.1
SK16-75				75	52	65	1.2
SK16-90				90	67		1.2
SK16-120				120	97	70	1.3
SK20-60	3.6~20.0	48	46	60	38	59.5	0.7
BT30 - SK20-75	3.6~20.0	48	46	75	53	75	0.9
SK20-90				90	68	75	1.2
SK25-90	7.6~25.0	55	55	90		75	1.5
BT40 - SK6-60	1.8~6.0	20	19.5	60	30	35	1.0
SK6-90				90	51		1.1
SK6-120				120	81		1.4
SK6-150				150	111		1.5
SK10-60	1.75~10.0	28	27.5	60	32	50	1.1
SK10-75				75	45		1.2
SK10-90				90	53		1.2
SK10-120				120	83		1.4
SK10-150				150	113		1.6
SK10-180				180	143		1.6
SK10-200				200	161		1.8
SK10-250				250	211		2.1
SK13-60	2.75~13.0	33	33	60	28	65	1.2
SK13-75				75	43		1.3
SK13-90				90	58		1.4
SK13-120				120	88		1.6
SK13-150				150	115		1.8
SK13-180				180	145		1.8
SK13-200				200	165		2.0
SK13-250				250	213		2.4
SK16-60	2.75~16.0	40	40	60	32	65	1.3
SK16-75				75	43	67	1.4
SK16-90				90	58	70	1.5
SK16-120				120	88		1.7
SK16-150				150	118		1.9
SK16-180				180	148		2.0
SK16-200				200	168		2.2
SK16-250				250	218		2.7
SK20-60	3.6~20.0	48	48	60	32	60	1.3
SK20-75				75	45	70	1.4
SK20-90				90	60	80	1.6
SK20-120				120	90		2.0
SK25-75	7.6~25.4	55	55	75	47	75	1.7
SK25-90				90	61		1.8

BT series

	Φd(mm)	ΦD	ΦD1	L	L1	H	Weight(kg)
BT40 - SK25-120	7.6~25.4	55	55	120	91	85	2.0
BT50 - SK6-105	1.8~6.0	20	19.5	105	55	35	3.8
SK6-135				135	82		3.9
SK6-165				165	112		4.0
SK6-200				200	147		4.2
SK10-105	1.75~10.0	28	27.5	105	57	50	4.2
SK10-135				135	82		4.4
SK10-165				165	112		4.6
SK10-200				200	147		4.8
SK10-225				225	172		5.0
SK10-250				250	197		5.2
SK10-300				300	247		5.6
SK13-105	2.75~13.0	33	33	105	62	65	4.5
SK13-135				135	92		4.7
SK13-165				165	112		4.9
SK13-200				200	147		5.2
SK13-250				250	197		5.7
SK13-300				300	247		6.2
SK16-105	2.75~16.0	40	40	105	62	70	4.7
SK16-135				135	92		4.9
SK16-165				165	115		5.1
SK16-200				200	150		5.5
SK16-250				250	200		6.0
SK16-300				300	250		6.5
SK20-105	3.6~20.0	48	48	105	62	80	4.3
SK20-135				135	92		4.6
SK20-165				165	122		5.0
SK20-200				200	157		5.4
SK20-250				250	207		6.1
SKS0-300				300	257		6.8
SK25-105	7.6~25.4	55	55	105	62	85	5.2
SK25-135				135	92		5.4
SK25-165				165	122		5.6
SK25-200				200	157		6.0
SK25-250				250	207		6.7
SK25-300				300	257		7.4

※ The Sk collet and spanner are available as optional features
※ "H" stands for the tool adjustment length in the axial direction.
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

BT Standard Hydraulic Chuck



DESCRIPTION

BT40-H10-90

- Length (See L value on the drawing)
- Inner diameter of chuck Φ
- Code of Hydraulic chuck
- Shank type

SUMMARY

MAS 403-BT	5㎛	15,000	G6.3	P.S Bolt Z2p
Shank	Run-out	MAX R.P.M	Balancing	

Collet Z15p

DIMENSIONS & SPECIFICATIONS

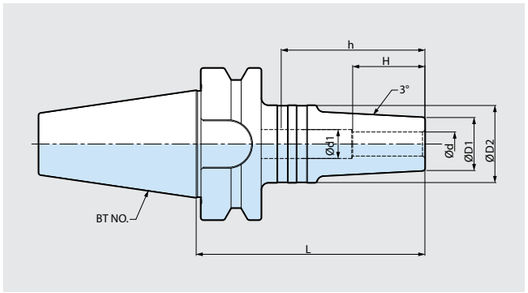
	Ød(mm)	ØD	ØD1	L	L1	L2	Weight(kg)
BT30 - H6-45	6	30	46	45	7	-	0.6
H6-75		26		75	40	-	0.7
H6-90		26		90	43	57	0.8
H6-105		26		105	43	72	0.8
H8-45	8	32	46	45	7	-	0.6
H8-75		28		75	41	-	0.7
H8-90		28		90	44	57	0.8
H8-105		28		105	44	72	0.9
H10-45	10	34	46	45	7	-	0.6
H10-75		30		75	36	-	0.8
H10-90		30		90	45	51	0.8
H10-105		30		105	45	66	0.9
H12-45	12	36	46	45	7	-	0.6
H12-75		32		75	36	-	0.8
H12-90		32		90	45	51	0.9
H12-105		32		105	45	67	1.0
H14-90	14	34	46	90	46	52	0.9

	Ød(mm)	ØD	ØD1	L	L1	L2	Weight(kg)
H16-45	16	42	46	45	7	-	0.6
H16-75		38		75	35	-	0.8
H16-90		38		90	47	-	0.9
H16-105		38		105	47	-	1.1
H18-90	18	36	51	90	31	41	1.0
H20-60	20	38	53	60	-	14	0.8
H20-75		38		75	16	26	0.9
H20-90		38		90	31	41	1.0
H20-105		38		105	40	-	1.0
BT40 - H6-60	6	27	45	60	19	-	1.2
H6-90		26		90	44	50	1.4
H6-135				135	44	95	1.7
H8-60	8	29	45	60	19	-	1.2
H8-90		28		90	44	50	1.4
H8-135				135	44	95	1.7
H10-60	10	31	45	60	20	-	1.2
H10-90		30		90	45	50	1.4
H10-135				135	45	95	1.7
H12-60	12	33	45	60	20	-	1.2
H12-90		32		90	45	49	1.4
H12-135				135	45	94	1.8
H14-90	14	34	45	90	46	49	1.4
H14-110				110	46	69	1.6
H14-135				135	46	94	1.8
H16-90	16	38	45	90	47	49	1.4
H16-110				110	47	69	1.6
H16-135				135	47	94	1.9
H18-90	18	40	45	90	48	49	1.5
H18-110				110	48	69	1.6
H18-135				135	48	94	1.9
H20-90	20	42	45	90	48	50	1.4
H20-110			50	110	48	70	1.7
H20-135				135	48	95	2.0
BT50 - H6-105	6	26	45	105	44	48	4.2
H6-135				135		78	4.3
H6-165				165		108	4.5
H8-105	8	28	45	105	45	48	4.2

	Ød(mm)	ØD	ØD1	L	L1	L2	Weight(kg)
BT50 - H8-135	8	28	45	135	45	78	4.4
H8-165				165		108	4.6
H10-105	10	30	45	105	45	48	4.2
H10-135				135		78	4.4
H10-165				165		108	4.7
H12-105	12	32	45	105	45	48	4.2
H12-135				135		78	4.4
H12-165				165		108	4.7
H16-105	16	38	47	105	47	48	4.1
H16-135				135	48	78	4.3
H20-105	20	42	50	105	47	48	4.4
H20-135				135	48	78	4.7
H20-150				150		93	4.8
H25-105	25	63	-	105	60	-	5.0
H25-135			68	135		78	5.7
H32-105	32	72	-	105	62	-	5.1
H32-135			78	135	60	78	6.0

※ The hydraulic chuck collet is an optional feature
※ The use of a roughing end-mill is not recommended
※ Never attempt to clamp with tools that are not connected
※ Use of flat shank (Weldon type Shank) and tools with tolerance of less than h6 is prohibited
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

BT Standard Shrink-fit chuck



DESCRIPTION

BT40-SR10-90

- Length (See L value on the drawing)
- Inner diameter of chuck Φ
- Code of Standard Shrink-fit chuck
- Shank type

SUMMARY

MAS 403-BT	3㎛	25,000	G2.5
Shank	Run-out	MAX R.P.M	Balancing

DIMENSIONS & SPECIFICATIONS

	Ød(mm)	Ød1(mm)	ØD1	ØD2	L	h	H	Weight(kg)
BT30 - SR3-75	3	4	7.5	25	75	99	9	0.5
SR4-75	4	5	10				12	
SR6-75	6	7	12	29			18	
SR6-120					120	144		0.6
SR8-75	8	9	14	25	75	99	24	0.4
SR8-120					120	144		0.6
SR10-75	10	11	16		75	99	30	0.4
SR10-120					120	144		0.5
SR12-75	12	13	20		75	99		
SR12-120					120	144		
SR16-75	16	16.6	26	34	75	60	32	
SR16-120					120	105	32	0.6
BT40 - SR4-90	4	5	10	26	90	125	12	1.0
SR4-120				25	120	155		1.1
SR6-90	6	8	14	32	90	125	18	
SR6-120					120	155		1.2
SR8-90	8	10	18	36	90	125	24	
SR8-120					120	155		

	Ød(mm)	Ød1(mm)	ØD1	ØD2	L	h	H	Weight(kg)
SR10-90	10	12	22	32	90	125	30	1.2
SR10-120				36	120	155		1.3
SR12-90	12	14	26	50	90	100	30	1.3
SR12-120					120	130		1.4
SR16-90	16	18	32	42	90	100	32	1.3
SR16-120					120	130		1.5
SR20-90	20	22	38	50	90	100	40	1.4
SR20-120					120	130		1.7
SR25-90	25	26	45	50	90	100	45	1.5
SR25-120					120	130		1.8
BT50 - SR6-90	6	7	14	32	90	145	18	3.7
SR6-135		8		36	135	190		3.8
SR6-165		7		32	165	220		3.9
SR8-90	8	9	18	32	90	145	24	3.7
SR8-135		10		36	135	190		3.8
SR8-165				35	165	220		4.0
SR10-90	10	11	22	32	90	145	30	3.7
SR10-135				42	135	190		3.9
SR10-165					165	220		4.1
SR12-90	12	14	26	50	90	145	30	3.7
SR12-135		13		42	135	190		4.0
SR12-165					165	220		4.1
SR16-90	16	18	32	50	90	145	32	3.7
SR16-135		17		42	135	190		4.1
SR16-165		18		50	165	220		4.3
SR20-110	20	21	38	53	110	165	40	4.0
SR20-135					135	190		4.2
SR20-165					165	220		4.5
SR25-110	25	26	45	53	110	165	45	4.1
SR25-140					140	195		4.5
SR25-170				50	170	225		4.8

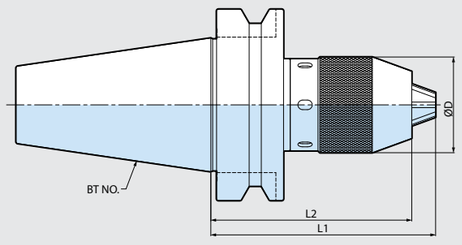
※ "H" stands for the tool adjustment length in the axial direction.
※ Use of flat shank (Weldon type Shank) and tools with tolerance of less than h6 is prohibited
(Ø3 – Ø4: h5, Ø5 – Ø32: Tools with tolerance of h5 or lower should be used)
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

BT Drill chuck

DESCRIPTION

BT40-NPU13-95

- Length (See L value on the drawing)
- Inner diameter of chuck Φ
- Code of drill chuck
- Shank type



SUMMARY

MAS 403-BT	0.05㎜			
Shank	Run-out	Head Z15p	P.S Bolt Z2p	Spanner Z15p

DIMENSIONS & SPECIFICATIONS

	Clamping range Ø(mm)	ØD	L1	L2	Weight(kg)
BT30 - NPU6.5-70	0.5~6.5	34	76	70	0.7
NPU13-90	0.5~13.0	50	102	90	1.1
BT40 - NPU6.5-75	0.5~6.5	34	81	75	1.2
NPU6.5-115			121	115	1.4
NPU6.5-155			161	155	1.7
NPU13-95	0.5~13.0	50	107	95	1.7
NPU13-135			147	135	2.3
NPU13-175			187	175	2.8
BT50 - NPU6.5-85	0.5~6.5	34	91	85	3.9
NPU6.5-130			136	130	4.1
NPU6.5-175			181	175	4.3
NPU13-105	0.5~13.0	50	117	105	4.3
NPU13-150			162	150	4.9
NPU13-195			207	195	5.4

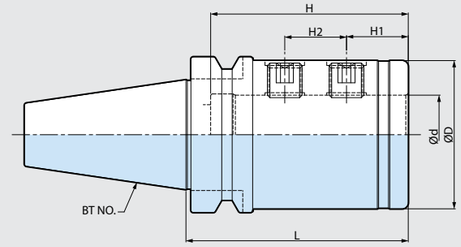
※ spanner are available as optional features.
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

BT Side Lock Holder

DESCRIPTION

BT40-SLA20-90

- Length (See L value on the drawing)
- Inner diameter of chuck Φ
- Code of Side Lock Holder chuck
- Shank type



SUMMARY

MAS 403-BT	
Shank	P.S Bolt Z2p

DIMENSIONS & SPECIFICATIONS

	L(mm)	Ød	ØD	H	H1	H2	Weight(kg)
BT30 - SLA16-90	90	16	40	70	25	20	1.1
SLA20-90	90	20	50	70	25	20	1.2
SLA25-90	90	25	50	70	25	20	1.2
BT40 - SLA16-90	90	16	40	70	25	20	1.5
SLA20-90	90	20	50	70	25	20	1.8
SLA25-90	90	25	50	70	25	20	2.0
SLA32-90	90	32	60	80	25	25	2.2
SLA32-105	105	32	60	80	25	25	2.4
SLA40-105	105	40	80	80	25	25	2.4
BT50 - SLA20-105	105	20	50	70	25	20	4.4
SLA25-105	105	25	50	70	25	20	4.4
SLA32-105	105	32	60	80	25	25	4.8
SLA40-105	105	40	90	80	25	25	5.2
SLA42-105	105	42	90	80	25	25	5.8

※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

BT series

BT Face Mill Arbor(A Type)

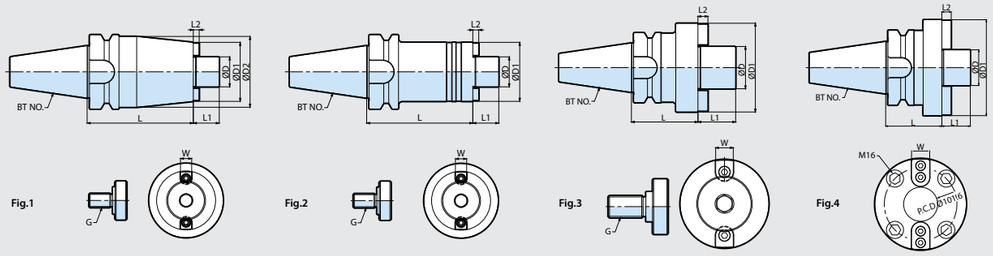
DESCRIPTION

BT40-FMA25.4-90

- Length (See L value on the drawing)
- Insert Cutter Φ(See ΦD value)
- Code of Face Mill Arbor(a type) chuck
- Shank type

SUMMARY

MAS 403-BT	M.Bolt	P.S Bolt Z2p
Shank		



DIMENSIONS & SPECIFICATIONS

	커터경	ØD	ØD1	ØD2	L(mm)	L1	L2	G	W	Weight(kg)	Fig.
BT30 - FMA25.4-45	80	25.4	50	-	45	22	5	M12	9.5	1.2	3
BT40 - FMA25.4-45	80	25.4	50	-	45	22	5	M12	9.5	1.4	2
FMA25.4-90	80	25.4	50	60	90	22	5	M12	9.5	3.1	1
FMA31.75-45	100	31.75	60	-	45	30	7	M16	12.7	1.6	2
FMA31.75-90	100	31.75	60	-	90	30	7	M16	12.7	3.0	2
FMA38.1-60	125	38.1	80	-	60	34	9	M20	15.87	2.9	3
BT50 - FMA25.4-45	80	25.4	50	-	45	22	5	M12	9.5	3.8	2
FMA25.4-90	80	25.4	50	70	90	22	5	M12	9.5	4.5	1
FMA25.4-150	80	25.4	50	70	150	22	5	M12	9.5	5.5	1
FMA31.75-45	100	31.75	60	-	45	30	7	M16	12.7	4.6	2
FMA31.75-75	100	31.75	60	80	75	30	7	M16	12.7	5.2	1
FMA31.75-105	100	31.75	60	80	105	30	7	M16	12.7	6.0	1
FMA38.1-45	125	38.1	80	-	45	34	9	M20	15.87	4.3	2
FMA38.1-75	125	38.1	80	-	75	34	9	M20	15.87	5.5	2
FMA50.8-45	160	50.8	100	-	45	36	10	M24	19.05	4.8	2
FMA50.8-75	160	50.8	100	-	75	36	10	M24	19.05	6.8	2
FMA47.625-75	200	47.625	128	-	75	38	12.5	-	25.4	7.5	4

※ A mounting bolt (cutter clamping bolt) is included
※ Clamping bolts may vary depending on the cutter's specifications. Please check the cutter's specifications before use
※ FMA47.625-75 is clamped with four wrench bolts (M16)
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

BT Face Mill Arbor(C Type)

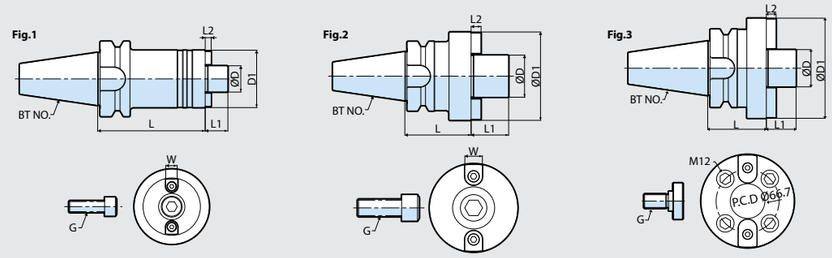
DESCRIPTION

BT40-FMC22-90

- Length (See L value on the drawing)
- Insert Cutter Φ(See ΦD value)
- Code of Face Mill Arbor(c type) chuck
- Shank type

SUMMARY

MAS 403-BT	P.S Bolt Z2p
Shank	



DIMENSIONS & SPECIFICATIONS

	커터경	ØD	ØD1	L(mm)	L1	L2	G	W	Weight(kg)	Fig.
BT30 - FMC16-45	40	16	38	45	17	5.0	M8	8	0.7	1
FMC22-45	50, 63	22	48	45	19	5.0	M10	10	0.8	2
FMC27-50	80	27	60	50	21	6.0	M12	12	1.2	2
BT40 - FMC16-60	40	16	38	60	17	5.0	M8	8	1.2	1
FMC22-45	50, 63	22	48	45	19	5.0	M10	10	1.2	1
FMC22-90	50, 63	22	48	90	19	5.0	M10	10	1.2	1
FMC27-60	80	27	60	60	21	6.0	M12	12	1.8	2
FMC27-90	80	27	60	90	21	6.0	M12	12	3.2	2
FMC32-60	100	32	78	60	24	7.0	M16	14	2.3	2
FMC40-50	125, 160	40	89	50	27	8.0	M20	15.87	3.3	3
BT50 - FMC16-60	40	16	38	60	17	5.0	M8	8	3.9	1
FMC22-60	50, 63	22	48	60	19	5.0	M10	10	4.1	1
FMC27-45	80	27	60	45	21	6.0	M12	12	4.1	1
FMC27-90	80	27	60	90	21	6.0	M12	12	5.5	1
FMC27-150	80	27	60	150	21	6.0	M12	12	6.1	1
FMC32-45	100	32	78	45	24	7.0	M16	14	4.2	1
FMC32-75	100	32	78	75	24	7.0	M16	14	4.2	1
FMC32-105	100	32	78	105	24	7.0	M16	14	4.2	1
FMC40-50	125, 160	40	89	50	27	8.0	M20	15.87	4.6	3

※ The wrench bolt (cutter clamping bolt) and wrench are included
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

BTT Series

Samchully is the global machine tool's total company which has been supplied various and wide range of solutions for turning and machining center,we are aiming for the improvement of productivity and high precision machining to manufacturing industry through awesome products and technology innovation.

PRIME Chuck
B 2 P

Shrink-fit Chuck
B 20 P

SPEEDIA Milling Chuck
B 4 P

Drill Chuck
B 22 P

ULTRA Milling Chuck
B 6 P

Side Lock Holder
B 23 P

SPEEDIA SK Collet Chuck
B 7 P

Face Mill Arbor(A Type)
B 24 P

Golden Milling Chuck
B 10 P

Face Mill Arbor(C Type)
B 25 P

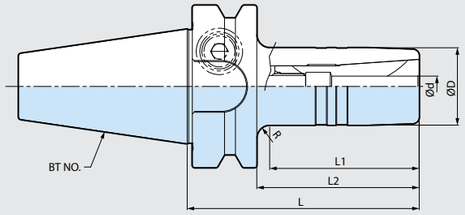
ER Collet Chuck
B 12 P

Slim SK Collet Chuck
B 14 P

Hydraulic Chuck
B 17 P

BTT PRIME Chuck for Ultraprecision Machining System

Use of wrench



DESCRIPTION

BTT40-PM8-90

- BTT40 — Shank type
- PM8 — Code of prime chuck
- 90 — Inner diameter of chuck Φ
- Length (See L value on the drawing)

SUMMARY

- Features 5p
- MAS 403-BT — Shank
- 3㎛ — Run-out
- 30,000 — MAX R.P.M
- Collet Z5p
- P.S Bolt Z2p

DIMENSIONS & SPECIFICATIONS

	Φd (mm)	ΦD	L	L1	L2	R
BTT30 - PM4-80	1.8~4.0	15	80	41	46	5
PM4-105	1.8~4.0	15	105	66	71	5
PM8-95	1.8~8.0	20	95	56	61	5
PM8-105			105	66	71	5
PM12-100	2.8~12.0	30	100	61	66	5
PM12-105			105	66	71	5
PM16-105	2.8~16.0	34	105	66	71	5
BTT40 - PM4-75	1.8~4.0	15	75	42	47	5
PM4-90	1.8~4.0	15	90	67	72	5
PM8-80	1.8~8.0	20	80	48	53	5
PM8-90			90	58	63	5
PM8-110			110	75	83	8
PM8-120			120	85	93	8
PM12-90	2.8~12.0	30	90	58	63	5
PM12-110			110	75	83	8
PM12-120			120	85	93	8
PM16-90	2.8~16.0	34	90	58	63	5
PM16-120			120	82	90	8
BTT40 - PM20-110	3.8~20.0	42	110	76	80	4
BTT50 - PM4-85	1.8~4.0	15	105	35	47	12
PM4-105	1.8~4.0	15	105	52	67	15
PM8-85	1.8~8.0	20	85	39	47	8
PM8-105			105	55	67	12
PM8-115			115	65	77	12
PM8-135			135	82	97	15
PM8-145			145	92	107	15
PM8-165			165	109	127	18
PM12-90	2.8~12.0	30	90	47	52	5
PM12-105			105	59	67	8
PM12-120			120	74	82	8
PM12-135			135	85	97	12
PM12-150			150	100	112	12
PM12-165			165	112	127	15
PM16-105	2.8~16.0	34	105	59	67	8
PM16-135			135	85	93	12
PM16-165			165	112	120	15
PM20-110	3.8~20.0	42	105	67	72	5
PM20-135			135	92	97	8
PM20-165			165	122	127	12

※ A fastening wrench is included inside the prime chuck box
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

BTT series

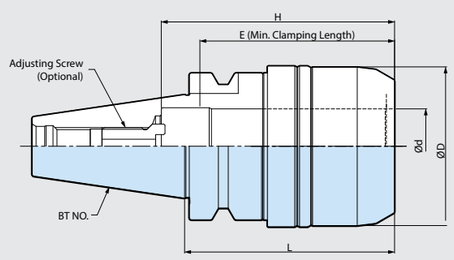
BTT High Speed Rotation SPEEDIA Milling Chuck

Use of ring spanner

DESCRIPTION

BTT40-C32-90S

- BTT40 — Shank type
- C32 — Code of Speedia milling chuck
- 90 — Inner diameter of chuck Φ
- S — Length (See L value on the drawing)
- High-speed rotation model



SUMMARY

Features 6p	Shank: MAS 403-BT	Run-out: 5㎛	MAX R.P.M: 25,000	AD Screw Z4p
Collet Z3p	Spanner Z4p	P.S Bolt Z2p		

DIMENSIONS & SPECIFICATIONS

	Φd(mm)	ΦD	L	H	E	Weight(kg)
BTT30 - C16-75S	16	45	75	65	55	0.8
C20-75S	20	54	75	80	56	1.0
C25-80S	25	62	80	70	57	1.2
C32-100S	32	64	100	76	58	1.5
BTT40 - C16-75S	16	45	75	65	55	1.5
C16-90S	16	45	90	65	55	1.8
C20-75S	20	54	75	80	56	1.7
C20-90S	20	54	90	80	56	1.8
C25-75S	25	62	75	85	57	1.9
C25-90S	25	62	90	85	57	2.1
C32-90S	32	68	90	100	64	2.2
C32-105S	32	68	105	100	64	2.5
C32-135S	32	68	135	105	64	3.1
BTT50 - C16-105S	16	45	105	65	55	4.2
C16-135S	16	45	135	65	55	4.5
C20-105S	20	54	105	85	56	4.5

	Φd(mm)	ΦD	L	H	E	Weight(kg)
C20-135S	20	54	135	85	56	4.8
C25-105S	25	62	105	90	65	4.8
C25-135S	25	62	135	90	65	5.2
C32-105S	32	75	105	105	71	4.6
C32-135S	32	75	135	105	71	5.6

※ The straight collet and spanner are available as optional features
※ "H" stands for the tool adjustment length in the axial direction, An M8 screw is required to adjust the length to the C16 standard
※ It is recomm'ended to use products with an L value of 105 or higher for heavy cutting
※ Dimensions and specifications are subject to change, Please contact us for further information about our products in addition to the aforementioned specifications

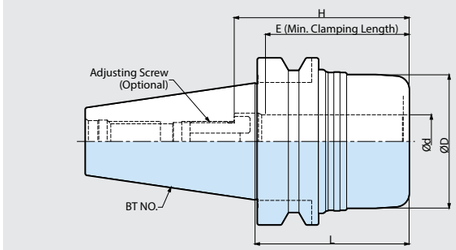
BTT ULTRA High-rigidity milling chuck for High-speed rotation

Use of ring spanner

DESCRIPTION

BTT50-UTC32-105S

- BTT50 — Shank type
- UTC32 — Code of Ultra milling chuck
- 32 — Inner diameter of chuck Φ
- 105 — Length (See L value on the drawing)
- S — High-speed rotation model



SUMMARY

Features 7p	MAS 403-BT Shank	5㎛ Run-out	25,000 MAX R.P.M	AD Screw Z4p
Spanner Z4p	P.S Bolt Z2p	Collet Z3p		

DIMENSIONS & SPECIFICATIONS

	Φd(mm)	ΦD	L	H	E	Weight(kg)
BTT50- UTC16-105S	16	46	105	71	50	4.5
UTC16-135S			135			5.2
UTC20-105S	20	60	105	69~79	56	5.2
UTC20-135S			135			5.9
UTC25-105S	25	70	105	76~86	65	5.5
UTC25-135S			135			6.4
UTC25-165S			165			7.6
UTC32-115S	32	80	115	78~95	71	5.4
UTC32-135S			135			7.1
UTC32-165S			135			8.6
UTC42-115S	42	99	115	88~105	71	6.2
UTC42-135S			135			7.7
UTC42-165S			165			9.4

※ The straight collet and spanner are available as optional features
※ "H" stands for the tool adjustment length in the axial direction.
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

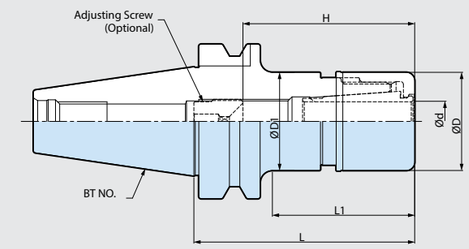
BTT High Speed Rotation SPEEDIA SK Collet Chuck

Use of ring spanner

DESCRIPTION

BTT40-SK10-90S

- BTT40 — Shank type
- SK10 — Code of Speedia milling chuck
- 10 — Collet Size
- 90 — Length (See L value on the drawing)
- S — High-speed rotation model



SUMMARY

Features 8p	MAS 403-BT Shank	3㎛ Run-out	25,000 MAX R.P.M	G2.5 Balancing	
Collet Z12p	Spanner Z4p	P.S Bolt Z2p	NUT Z13p	AD Screw Z14p	

DIMENSIONS & SPECIFICATIONS

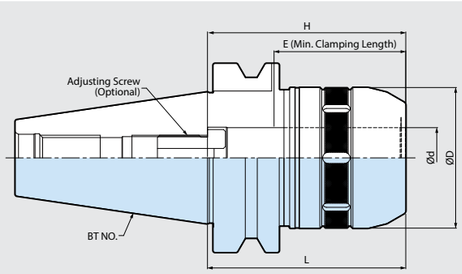
	Φd(mm)	ΦD	ΦD1	L	L1	H	Weight(kg)
BTT30 - SK6-60S	1.8~6.0	19.5	19.5	60	33	35	0.7
SK6-90S				90	60		0.7
SK6-120S				120	90		0.9
SK10-45S	1.75~10.0	27.5	27.5	45	22	50	0.8
SK10-60S				60	35		0.9
SK10-75S				75	50		0.9
SK10-90S				90	65		1.0
SK10-120S				120	95		1.1
SK13-60S	2.75~13.0	33	33	60	35	50	1.0
SK13-75S				75	50	65	1.0
SK13-90S				90	65		1.1
SK13-120S				120	95		1.2
SK16-60S	2.75~16.0	40	40	60	37	60	1.1
SK16-75S				75	52	65	1.1
SK16-90S				90	67		1.2
SK16-120S				120	97	70	1.4
SK20-60S	3.6~20.0	48	46	60	38	59.5	0.7

	Φd(mm)	ΦD	ΦD1	L	L1	H	Weight(kg)
BTT30 - SK20-75S	3.6~20.0	48.5	46	75	53	75	0.8
SK20-90S				90	68	75	1.2
SK25-90S	7.6~25.4	55	55	90		75	1.5
BTT40 - SK6-60S	1.8~6.0	19.5	19.5	60	30	35	1.0
SK6-90S				90	51		1.1
SK6-120S				120	81		1.4
SK6-150S				150	111		1.5
SK10-60S	1.75~10.0	27.5	27.5	60	32	50	1.1
SK10-75S				75	45		1.1
SK10-90S				90	53		1.2
SK10-120S				120	83		1.4
SK10-150S				150	113		1.6
SK10-180S				180	143		1.6
SK10-200S				200	161		1.8
SK13-60S	2.75~13.0	33	33	60	28	65	1.2
SK13-75S				75	43		1.3
SK13-90S				90	58		1.4
SK13-120S				120	88		1.6
SK13-150S				150	115		1.8
SK13-180S				180	145		1.8
SK13-200S				200	165		2.0
SK16-60S	2.75~16.0	40	40	60	32	65	1.3
SK16-75S				75	43	67	1.4
SK16-90S				90	58	67	1.5
SK16-120S				120	88		1.7
SK16-150S				150	118		1.9
SK16-180S				180	148		2.0
SK16-200S				200	168		2.1
SK20-60S	3.6~20.0	48	48	60	32	60	1.3
SK20-75S				75	45	70	1.4
SK20-90S				90	60	80	1.6
SK20-120S				120	90		2.0
SK25-75S	7.6~25.4	55	55	75	47	75	1.7
SK25-90S				90	61		1.8
SK25-120S				120	91	85	2.0
BTT50 - SK6-105S	1.8~6.0	19.5	19.5	105	55	35	3.8
SK6-135S				135	82		3.9

	Φd(mm)	ΦD	ΦD1	L	L1	H	Weight(kg)
BTT50 - SK6-165S	1.8~6.0	19.5	19.5	165	112	35	4.0
SK6-200S				200	147		4.2
SK10-105S	1.75~10.0	27.5	27.5	105	57	50	4.2
SK10-135S				135	82		4.4
SK10-165S				165	112		4.6
SK10-200S				200	147		4.8
SK10-225S				225	172		5.0
SK13-105S	2.75~13.0	33	33	105	62	65	4.5
SK13-135S				135	92		4.7
SK13-165S				165	112		4.9
SK13-200S				200	147		5.2
SK16-105S	2.75~16.0	40	40	105	62	70	4.7
SK16-135S				135	92		4.9
SK16-165S				165	115		5.1
SK16-200S				200	150		5.5
SK20-105S	3.6~20.0	48	48	105	62	80	4.3
SK20-135S				135	92		4.6
SK20-165S				165	122		5.0
SK20-200S				200	157		5.3
SK25-105S	7.6~25.4	55	55	105	62	85	5.2
SK25-135S				135	92		5.4
SK25-165S				165	122		5.6
SK25-200S				200	157		6.0

※ SK collet and ring spanner are available as optional features
※ "H" stands for the tool adjustment length in the axial direction.
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

BTT Standard Golden Milling Chuck



DESCRIPTION

BTT40-C32-90

- Length (See L value on the drawing)
- Inner diameter of chuck Φ
- Code of Milling chuck
- Shank type

SUMMARY

Features 9p | MAS 403-BT Shank | 10㎛ Run-out | AD Screw Z4p | Collet Z3p | Spanner Z4p | P.S Bolt Z2p

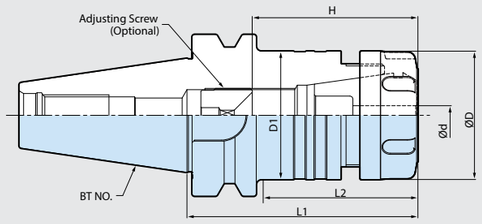
DIMENSIONS & SPECIFICATIONS

	Φd(mm)	ΦD	L	H	E	Weight(kg)
BTT30 - C16-75	16	45	75	65	55	0.8
C20-75	20	54	75	80	56	1.0
C25-80	25	62	80	70	57	1.2
C32-100	32	64	100	76	58	1.5
BTT40 - C16-75	16	45	75	65	55	1.5
C16-90	16	45	90	65	55	1.8
C16-120	16	45	120	65	55	2.2
C20-75	20	54	75	80	56	1.7
C20-90	20	54	90	80	56	1.8
C20-105	20	54	105	80	56	2.0
C20-120	20	54	120	80	56	2.2
C25-75	25	62	75	85	57	1.9
C25-90	25	62	90	85	57	2.1
C25-120	25	62	120	85	57	2.5
C32-90	32	68	90	100	64	2.2
C32-105	32	68	105	100	64	2.5
C32-120	32	68	120	105	64	2.8
C32-135	32	68	135	105	64	3.1

	Φd(mm)	ΦD	L	H	E	Weight(kg)
BTT50 - C16-105	16	45	105	65	55	4.2
C16-135	16	45	135	65	55	4.5
C16-165	16	45	165	65	55	4.8
C20-105	20	54	105	85	56	4.5
C20-135	20	54	135	85	56	4.8
C20-165	20	54	165	85	56	5.1
C20-180	20	54	180	85	56	5.4
C25-105	25	62	105	90	65	4.8
C25-135	25	62	135	90	65	5.2
C25-165	25	62	165	90	65	5.6
C32-105	32	75	105	105	71	4.6
C32-120	32	75	120	105	71	5.1
C32-135	32	75	135	105	71	5.6
C32-165	32	75	165	105	71	6.4
C32-200	32	75	200	105	71	7.8
C42-105	42	90	105	125	73	5.8
C42-120	42	90	120	125	73	6.6
C42-135	42	90	135	125	73	7.2
C42-165	42	90	165	125	73	8.6
C42-200	42	90	200	125	73	9.5

※ The straight collet and spanner are available as optional features
※ "H" stands for the tool adjustment length in the axial direction. An M8 screw is required to adjust the length to the C16 standard
※ It is recomm'ended to use products with an L value of 105 or higher for heavy cutting
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

BTT ER Collet Chuck



DESCRIPTION

BTT40-ER32-90

- BTT40 — Shank type
- ER32 — Code of ER Collet chuck
- 90 — Collet Size
- Length (See L value on the drawing)

SUMMARY

Features 10p	MAS 403-BT Shank	15,000 MAX R.P.M	G6.3 Balancing	AD Screw Z9p
Collet Z6p	Spanner Z9p	P.S Bolt Z2p	NUT Z8p	

DIMENSIONS & SPECIFICATIONS

	Φd(mm)	ΦD	ΦD1	L1	L2	H	Weight(kg)
BTT30 - ER11-50	2.0~7.0	19	19	50	26	26~38	0.5
ER11-75				75	50		0.5
ER11-105				105	80		0.6
ER16-50	1.0~10.0	28	28	50	26	35~50	0.5
ER16-75				75	50		0.5
ER16-90				90	65		0.6
ER16-105				105	80		0.6
ER20-75	1.0~13.0	34	34	75	51	42~62	0.6
ER20-105				105	81		0.7
ER25-50	2.0~16.0	42	42	50	27.6	53	0.6
ER25-75				75	52.6	44~67	0.7
ER25-105				105	82.6		0.8
ER32-60	2.0~20.0	50	50	60	38	60	0.5
ER32-90				90	68	50~68	0.8
ER32-120				120	98		1.0
BTT40 - ER11-60	2.0~7.0	19	19	60	27	26~38	1.0
ER11-90				90	55		1.1
ER11-135				135	98		1.2

	Φd(mm)	ΦD	ΦD1	L1	L2	H	Weight(kg)
BTT40 - ER16-60	1.0~10.0	28	28	60	29	35~50	1.1
ER16-90				90	57		1.2
ER16-135				135	100		1.4
ER20-60	1.0~13.0	34	34	60	31	42~62	1.1
ER20-90				90	60		1.3
ER20-120				120	89		1.5
ER20-150				150	119		1.8
ER25-60	2.0~16.0	42	42	60	31	44~67	1.2
ER25-90				90	60		1.4
ER25-120				120	89		1.6
ER32-60	2.0~20.0	50	50	60	32	50~68	1.1
ER32-90				90	61		1.4
ER32-120				120	90		1.7
ER40-90	2.0~26.0	63	58	90	62	56~71	2.4
ER40-120				120	91		2.7
BTT50 - ER16-90	1.0~10.0	28	28	90	37	35~50	3.8
ER16-120				120	64		4.0
ER16-165				165	109		4.2
ER20-105	1.0~13.0	34	34	105	57	42~62	3.9
ER20-135				135	82		4.1
ER20-165				165	112		4.5
ER25-105	2.0~16.0	42	42	105	59	44~67	4.1
ER25-165				165	115		4.5
ER32-75	2.0~20.0	50	50	75	31	50~68	4.0
ER32-105				105	61		4.3
ER32-135				135	89		4.9
ER32-165				165	119		5.0
ER32-180				180	132		5.0
ER40-165	2.0~30.0	63	63	165	123	56~79	6.0

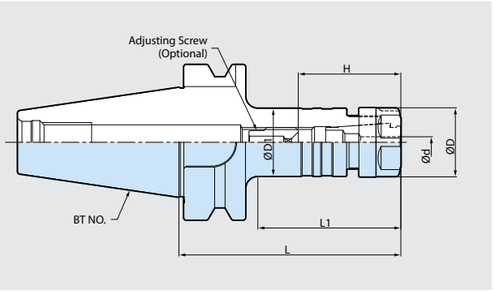
※ ER collet and ring spanner are available as optional features
※ "H" stands for the tool adjustment length in the axial direction.
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

BTT Slim SK Collet Chuck

DESCRIPTION

BTT40-SK10-90

- Length (See L value on the drawing)
- Collet Size
- Code of SK Collet chuck
- Shank type



SUMMARY

Features 11p	MAS 403-BT Shank	15,000 MAX R.P.M	G6.3 Balancing	AD Screw Z14p
Collet Z11p	Spanner Z14p	P.S Bolt Z2p	NUT Z13p	

DIMENSIONS & SPECIFICATIONS

	Φd(mm)	ΦD	ΦD1	L	L1	H	Weight(kg)
BTT30 - SK6-60	1.8~6.0	20	19.5	60	33	35	0.7
SK6-90				90	60		0.7
SK6-120				120	90		0.8
SK10-45	1.75~10.0	28	27.5	45	22	50	0.8
SK10-60				60	35		0.9
SK10-75				75	50		1.0
SK10-90				90	65		1.0
SK10-120				120	95		1.1
SK13-60	2.75~13.0	33	33	60	35	50	1.0
SK13-75				75	50	65	1.1
SK13-90				90	65		1.1
SK13-120				120	95		1.2
SK16-60	2.75~16.0	40	40	60	37	60	1.1
SK16-75				75	52	65	1.2
SK16-90				90	67		1.2
SK16-120				120	97	70	1.3
SK20-60	3.6~20.0	48	46	60	38	59.5	0.7
SK20-90				90	60	65	1.2
SK20-120				120	90		1.4
SK25-75	7.6~25.4	55	55	75	47	75	1.7
SK25-90				90	61		1.8

	Φd(mm)	ΦD	ΦD1	L	L1	H	Weight(kg)
BTT30 - SK20-75	3.6~20.0	48	46	75	53	75	0.9
SK20-90				90	68	75	1.2
SK25-90	7.6~25.0	55	55	90		75	1.5
BTT40 - SK6-60	1.8~6.0	20	19.5	60	30	35	1.0
SK6-90				90	51		1.1
SK6-120				120	81		1.4
SK6-150				150	111		1.5
SK10-60	1.75~10.0	28	27.5	60	32	50	1.1
SK10-75				75	45		1.2
SK10-90				90	53		1.2
SK10-120				120	83		1.4
SK10-150				150	113		1.6
SK10-180				180	143		1.6
SK10-200				200	161		1.8
SK10-250				250	211		2.1
SK13-60	2.75~13.0	33	33	60	28	65	1.2
SK13-75				75	43		1.3
SK13-90				90	58		1.4
SK13-120				120	88		1.6
SK13-150				150	115		1.8
SK13-180				180	145		1.8
SK13-200				200	165		2.0
SK13-250				250	213		2.4
SK16-60	2.75~16.0	40	40	60	32	65	1.3
SK16-75				75	43	67	1.4
SK16-90				90	58	70	1.5
SK16-120				120	88		1.7
SK16-150				150	118		1.9
SK16-180				180	148		2.0
SK16-200				200	168		2.2
SK16-250				250	218		2.7
SK20-60	3.6~20.0	48	48	60	32	60	1.3
SK20-75				75	45	70	1.4
SK20-90				90	60	80	1.6
SK20-120				120	90		2.0
SK25-75	7.6~25.4	55	55	75	47	75	1.7
SK25-90				90	61		1.8

	Φd(mm)	ΦD	ΦD1	L	L1	H	Weight(kg)
BTT40 - SK25-120	7.6~25.4	55	55	120	91	85	2.0
BTT50 - SK6-105	1.8~6.0	20	19.5	105	55	35	3.8
SK6-135				135	82		3.9
SK6-165				165	112		4.0
SK6-200				200	147		4.2
SK10-105	1.75~10.0	28	27.5	105	57	50	4.2
SK10-135				135	82		4.4
SK10-165				165	112		4.6
SK10-200				200	147		4.8
SK10-225				225	172		5.0
SK10-250				250	197		5.2
SK10-300				300	247		5.6
SK13-105	2.75~13.0	33	33	105	62	65	4.5
SK13-135				135	92		4.7
SK13-165				165	112		4.9
SK13-200				200	147		5.2
SK13-250				250	197		5.7
SK13-300				300	247		6.2
SK16-105	2.75~16.0	40	40	105	62	70	4.7
SK16-135				135	92		4.9
SK16-165				165	115		5.1
SK16-200				200	150		5.5
SK16-250				250	200		6.0
SK16-300				300	250		6.5
SK20-105	3.6~20.0	48	48	105	62	80	4.3
SK20-135				135	92		4.6
SK20-165				165	122		5.0
SK20-200				200	157		5.4
SK20-250				250	207		6.1
SKS0-300				300	257		6.8
SK25-105	7.6~25.4	55	55	105	62	85	5.2
SK25-135				135	92		5.4
SK25-165				165	122		5.6
SK25-200				200	157		6.0
SK25-250				250	207		6.7
SK25-300				300	257		7.4

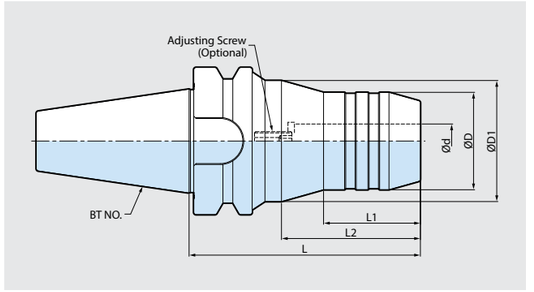
※ SK collet and ring spanner are available as optional features
※ "H" stands for the tool adjustment length in the axial direction.
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

BTT Standard Hydraulic Chuck

DESCRIPTION

BTT40-H10-90

- Length (See L value on the drawing)
- Inner diameter of chuck Φ
- Code of Hydraulic chuck
- Shank type



SUMMARY

MAS 403-BT	5㎛	15,000	G6.3	P.S Bolt Z2p
Shank	Run-out	MAX R.P.M	Balancing	

Collet Z15p

DIMENSIONS & SPECIFICATIONS

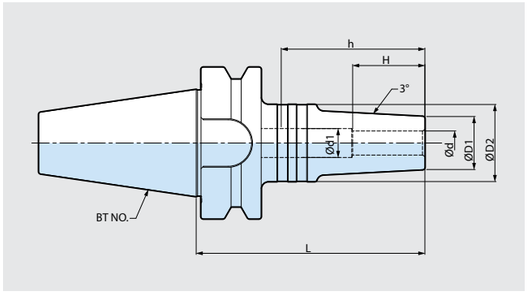
	Ød(mm)	ØD	ØD1	L	L1	L2	Weight(kg)
BTT30 - H6-45	6	30	46	45	7	-	0.6
H6-75		26		75	40	-	0.7
H6-90		26		90	43	57	0.8
H6-105		26		105	43	72	0.8
H8-45	8	32	46	45	7	-	0.6
H8-75		28		75	41	-	0.7
H8-90		28		90	44	57	0.8
H8-105		28		105	44	72	0.9
H10-45	10	34	46	45	7	-	0.6
H10-75		30		75	36	-	0.8
H10-90		30		90	45	51	0.8
H10-105		30		105	45	66	0.9
H12-45	12	36	46	45	7	-	0.6
H12-75		32		75	36	-	0.8
H12-90		32		90	45	51	0.9
H12-105		32		105	45	67	1.0
H14-90	14	34	46	90	46	52	0.9

	Ød(mm)	ØD	ØD1	L	L1	L2	Weight(kg)
H16-45	16	42	46	45	7	-	0.6
H16-75		38		75	35	-	0.8
H16-90		38		90	47	-	0.9
H16-105		38		105	47	-	1.1
H18-90	18	36	51	90	31	41	1.0
H20-60	20	38	53	60	-	14	0.8
H20-75		38		75	16	26	0.9
H20-90		38		90	31	41	1.0
H20-105		38		105	40	-	1.0
BTT40 - H6-60	6	27	45	60	19	-	1.2
H6-90		26		90	44	50	1.4
H6-135				135	44	95	1.7
H8-60	8	29	45	60	19	-	1.2
H8-90		28		90	44	50	1.4
H8-135				135	44	95	1.7
H10-60	10	31	45	60	20	-	1.2
H10-90		30		90	45	50	1.4
H10-135				135	45	95	1.7
H12-60	12	33	45	60	20	-	1.2
H12-90		32		90	45	49	1.4
H12-135				135	45	94	1.8
H14-90	14	34	45	90	46	49	1.4
H14-110				110	46	69	1.6
H14-135				135	46	94	1.8
H16-90	16	38	45	90	47	49	1.4
H16-110				110	47	69	1.6
H16-135				135	47	94	1.9
H18-90	18	40	45	90	48	49	1.5
H18-110				110	48	69	1.6
H18-135				135	48	94	1.9
H20-90	20	42	45	90	48	50	1.4
H20-110			50	110	48	70	1.7
H20-135				135	48	95	2.0
BTT50 - H6-105	6	26	45	105	44	48	4.2
H6-135				135		78	4.3
H6-165				165		108	4.5
H8-105	8	28	45	105	45	48	4.2

	Ød(mm)	ØD	ØD1	L	L1	L2	Weight(kg)
BTT50 - H8-135	8	28	45	135	45	78	4.4
H8-165				165		108	4.6
H10-105	10	30	45	105	45	48	4.2
H10-135				135		78	4.4
H10-165				165		108	4.7
H12-105	12	32	45	105	45	48	4.2
H12-135				135		78	4.4
H12-165				165		108	4.7
H16-105	16	38	47	105	47	48	4.1
H16-135				135	48	78	4.3
H20-105	20	42	50	105	47	48	4.4
H20-135				135	48	78	4.7
H20-150				150		93	4.8
H25-105	25	63	-	105	60	-	5.0
H25-135			68	135		78	5.7
H32-105	32	72	-	105	62	-	5.1
H32-135			78	135	60	78	6.0

※ The hydraulic chuck collet is an optional feature
※ The use of a roughing end-mill is not recommended
※ Never attempt to clamp with tools that are not connected
※ Use of flat shank (Weldon type Shank) and tools with tolerance of less than h6 is prohibited
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

BTT Standard Shrink-fit chuck



DESCRIPTION

BTT40-SR10-90

- Length (See L value on the drawing)
- Inner diameter of chuck Φ
- Code of Standard Shrink-fit chuck
- Shank type

SUMMARY

MAS 403-BT	3㎛	25,000	G2.5
Shank	Run-out	MAX R.P.M	Balancing

DIMENSIONS & SPECIFICATIONS

	Ød(mm)	Ød1(mm)	ØD1	ØD2	L	h	H	Weight(kg)
BTT30 - SR3-75	3	4	7.5	25	75	99	9	0.5
SR4-75	4	5	10	25	75	99	12	0.5
SR6-75	6	7	12	29	75	99	18	0.5
SR6-120	6	7	12	29	120	144	18	0.6
SR8-75	8	9	14	25	75	99	24	0.4
SR8-120	8	9	14	25	120	144	24	0.6
SR10-75	10	11	16	25	75	99	30	0.4
SR10-120	10	11	16	25	120	144	30	0.5
SR12-75	12	13	20	25	75	99	30	0.5
SR12-120	12	13	20	25	120	144	30	0.5
SR16-75	16	16.6	26	34	75	60	32	0.5
SR16-120	16	16.6	26	34	120	105	32	0.6
BTT40 - SR4-90	4	5	10	26	90	125	12	1.0
SR4-120				25	120	155		1.1
SR6-90	6	8	14	32	90	125	18	1.1
SR6-120					120	155		1.2
SR8-90	8	10	18	36	90	125	24	1.2
SR8-120					120	155		
BTT40 - SR10-90	10	12	22	32	90	125	30	1.2
SR10-120				36	120	155		1.3
SR12-90	12	14	26	50	90	100	30	1.3
SR12-120					120	130		1.4
SR16-90	16	18	32	42	90	100	32	1.3
SR16-120					120	130		1.5
SR20-90	20	22	38	50	90	100	40	1.4
SR20-120					120	130		1.7
SR25-90	25	26	45	50	90	100	45	1.5
SR25-120					120	130		1.8
BTT50 - SR6-90	6	7	14	32	90	145	18	3.7
SR6-135		8		36	135	190		3.8
SR6-165		7		32	165	220		3.9
SR8-90	8	9	18	32	90	145	24	3.7
SR8-135		10		36	135	190		3.8
SR8-165				35	165	220		4.0
SR10-90	10	11	22	32	90	145	30	3.7
SR10-135				42	135	190		3.9
SR10-165					165	220		4.1
SR12-90	12	14	26	50	90	145	30	3.7
SR12-135		13		42	135	190		4.0
SR12-165					165	220		4.1
SR16-90	16	18	32	50	90	145	32	3.7
SR16-135		17		42	135	190		4.1
SR16-165		18		50	165	220		4.3
SR20-110	20	21	38	53	110	165	40	4.0
SR20-135					135	190		4.2
SR20-165					165	220		4.5
SR25-110	25	26	45	53	110	165	45	4.1
SR25-140					140	195		4.5
SR25-170				50	170	225		4.8

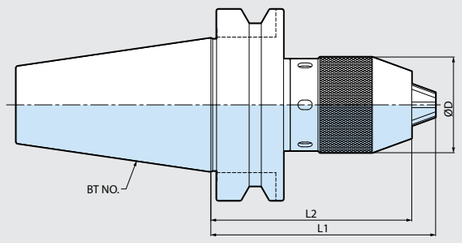
※ "H" stands for the tool adjustment length in the axial direction.
※ Use of flat shank (Weldon type Shank) and tools with tolerance of less than h6 is prohibited
(Ø3 – Ø4: h5, Ø5 – Ø32: Tools with tolerance of h5 or lower should be used)
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

BTT Drill chuck

DESCRIPTION

BTT40-NPU13-95

- Length (See L value on the drawing)
- Inner diameter of chuck Φ
- Code of Drill chuck
- Shank type



SUMMARY

MAS 403-BT	0.05㎜			
Shank	Run-out	Head Z15p	P.S Bolt Z2p	Spanner Z15p

DIMENSIONS & SPECIFICATIONS

	Clamping range Ø(mm)	ØD	L1	L2	Weight(kg)
BTT30 - NPU6.5-70	0.5~6.5	34	76	70	0.7
NPU13-90	0.5~13.0	50	102	90	1.1
BTT40 - NPU6.5-75	0.5~6.5	34	81	75	1.2
NPU6.5-115			121	115	1.4
NPU6.5-155			161	155	1.7
NPU13-95	0.5~13.0	50	107	95	1.7
NPU13-135			147	135	2.3
NPU13-175			187	175	2.8
BTT50 - NPU6.5-85	0.5~6.5	34	91	85	3.9
NPU6.5-130			136	130	4.1
NPU6.5-175			181	175	4.3
NPU13-105	0.5~13.0	50	117	105	4.3
NPU13-150			162	150	4.9
NPU13-195			207	195	5.4

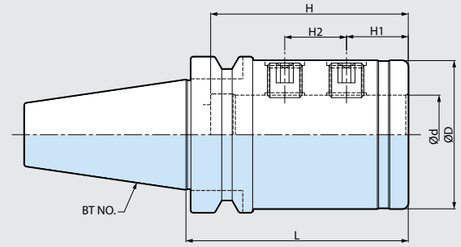
※ spanner are available as optional features
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

BTT Side Lock Holder

DESCRIPTION

BTT40-SLA20-90

- Length (See L value on the drawing)
- Inner diameter of chuck Φ
- Code of Side Lock chuck
- Shank type



SUMMARY

MAS 403-BT	
Shank	P.S Bolt Z2p

DIMENSIONS & SPECIFICATIONS

	L(mm)	Ød	ØD	H	H1	H2	Weight(kg)
BTT30 - SLA16-90	90	16	40	70	25	20	1.1
SLA20-90	90	20	50	70	25	20	1.2
SLA25-90	90	25	50	70	25	20	1.2
BTT40 - SLA16-90	90	16	40	70	25	20	1.5
SLA20-90	90	20	50	70	25	20	1.8
SLA25-90	90	25	50	70	25	20	2.0
SLA32-90	90	32	60	80	25	25	2.2
SLA32-105	105	32	60	80	25	25	2.4
SLA40-105	105	40	80	80	25	25	2.4
BTT50 - SLA20-105	105	20	50	70	25	20	4.4
SLA25-105	105	25	50	70	25	20	4.4
SLA32-105	105	32	60	80	25	25	4.8
SLA40-105	105	40	90	80	25	25	5.2
SLA42-105	105	42	90	80	25	25	5.8

※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

BTT Face Mill Arbor(A Type)

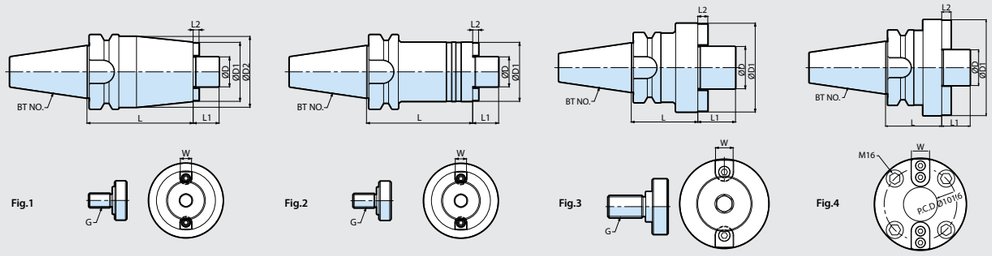
DESCRIPTION

BTT40-FMA25.4-90

- Length (See L value on the drawing)
- Insert Cutter Φ(See ΦD value)
- Code of Face Mill Arbor(a type) chuck
- Shank type

SUMMARY

MAS 403-BT		
Shank	M.Bolt	P.S Bolt Z2p



DIMENSIONS & SPECIFICATIONS

	커터경	ØD	ØD1	ØD2	L(mm)	L1	L2	G	W	Weight(kg)	Fig.
BTT30 - FMA25.4-45	80	25.4	50	-	45	22	5	M12	9.5	1.2	3
BTT40 - FMA25.4-45	80	25.4	50	-	45	22	5	M12	9.5	1.4	2
FMA25.4-90	80	25.4	50	60	90	22	5	M12	9.5	3.1	1
FMA31.75-45	100	31.75	60	-	45	30	7	M16	12.7	1.6	2
FMA31.75-90	100	31.75	60	-	90	30	7	M16	12.7	3.0	2
FMA38.1-60	125	38.1	80	-	60	34	9	M20	15.87	2.9	3
BTT50 - FMA25.4-45	80	25.4	50	-	45	22	5	M12	9.5	3.8	2
FMA25.4-90	80	25.4	50	70	90	22	5	M12	9.5	4.5	1
FMA25.4-150	80	25.4	50	70	150	22	5	M12	9.5	5.5	1
FMA31.75-45	100	31.75	60	-	45	30	7	M16	12.7	4.6	2
FMA31.75-75	100	31.75	60	80	75	30	7	M16	12.7	5.2	1
FMA31.75-105	100	31.75	60	80	105	30	7	M16	12.7	6.0	1
FMA38.1-45	125	38.1	80	-	45	34	9	M20	15.87	4.3	2
FMA38.1-75	125	38.1	80	-	75	34	9	M20	15.87	5.5	2
FMA50.8-45	160	50.8	100	-	45	36	10	M24	19.05	4.8	2
FMA50.8-75	160	50.8	100	-	75	36	10	M24	19.05	6.8	2
FMA47.625-75	200	47.625	128	-	75	38	12.5	-	25.4	7.5	4

※ A mounting bolt (cutter clamping bolt) is included
※ Clamping bolts may vary depending on the cutter's specifications. Please check the cutter's specifications before use
※ FMA47.625-75 is clamped with four wrench bolts (M16)
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

BTT Face Mill Arbor(C Type)

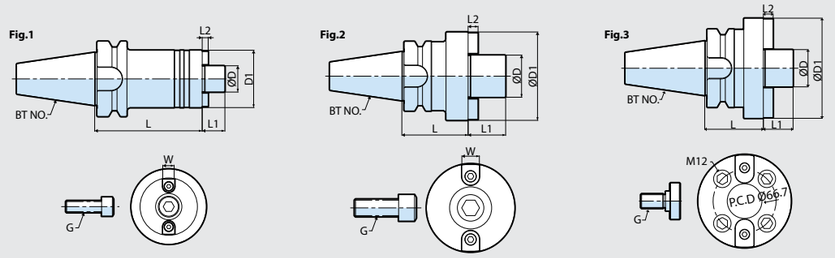
DESCRIPTION

BTT40-FMC22-90

- Length (See L value on the drawing)
- Insert Cutter Φ(See ΦD value)
- Code of Face Mill Arbor(c type) chuck
- Shank type

SUMMARY

MAS 403-BT	
Shank	P.S Bolt Z2p



DIMENSIONS & SPECIFICATIONS

	커터경	ØD	ØD1	L(mm)	L1	L2	G	W	Weight(kg)	Fig.
BT30 - FMC16-45	40	16	38	45	17	5.0	M8	8	0.7	1
FMC22-45	50, 63	22	48	45	19	5.0	M10	10	0.8	2
FMC27-50	80	27	60	50	21	6.0	M12	12	1.2	2
BT40 - FMC16-60	40	16	38	60	17	5.0	M8	8	1.2	1
FMC22-45	50, 63	22	48	45	19	5.0	M10	10	1.2	1
FMC22-90	50, 63	22	48	90	19	5.0	M10	10	1.2	1
FMC27-60	80	27	60	60	21	6.0	M12	12	1.8	2
FMC27-90	80	27	60	90	21	6.0	M12	12	3.2	2
FMC32-60	100	32	78	60	24	7.0	M16	14	2.3	2
FMC40-50	125, 160	40	89	50	27	8.0	M20	15.87	3.3	3
BT50 - FMC16-60	40	16	38	60	17	5.0	M8	8	3.9	1
FMC22-60	50, 63	22	48	60	19	5.0	M10	10	4.1	1
FMC27-45	80	27	60	45	21	6.0	M12	12	4.1	1
FMC27-90	80	27	60	90	21	6.0	M12	12	5.5	1
FMC27-150	80	27	60	150	21	6.0	M12	12	6.1	1
FMC32-45	100	32	78	45	24	7.0	M16	14	4.2	1
FMC32-75	100	32	78	75	24	7.0	M16	14	4.2	1
FMC32-105	100	32	78	105	24	7.0	M16	14	4.2	1
FMC40-50	125, 160	40	89	50	27	8.0	M20	15.87	4.6	3

※ The wrench bolt (cutter clamping bolt) and are included
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

HSK Series

Samchully is the global machine tool's total company which has been supplied various and wide range of solutions for turning and machining center,we are aiming for the improvement of productivity and high precision machining to manufacturing industry through awesome products and technology innovation.

PRIME Chuck

C 2 P

SPEEDIA Milling Chuck

C 4 P

ULTRA Milling Chuck

C 6 P

Speedia SK Collet Chuck

C 8 P

Golden Milling Chuck

C 10 P

ER Collet Chuck

C 12 P

Slim SK Collet Chuck

C 14 P

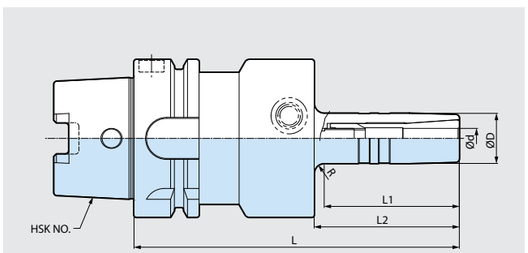
HSK PRIME Chuck for Ultraprecision machining system

Use of wrench

DESCRIPTION

HSK63A-PM8-140

- Length (See L value on the drawing)
- Inner diameter of chuck Φ
- Code of prime chuck
- Shank type



SUMMARY

Features 5p	Shank	Run-out	MAX R.P.M	Collet Z5p
	MAS 403-BT	3㎛	30,000	

P.S Bolt Z2p

DIMENSIONS & SPECIFICATIONS

	Φd (mm)	ΦD	L	L1	L2	R
HSK 63A - PM8-140	1.8~8.0	20	140	58	63	5
PM12-140	2.8~12.0	30	140	58	63	5
PM16-140	2.8~16.0	34	140	58	63	5

※ A fastening wrench is included inside the prime chuck box
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

HSK series

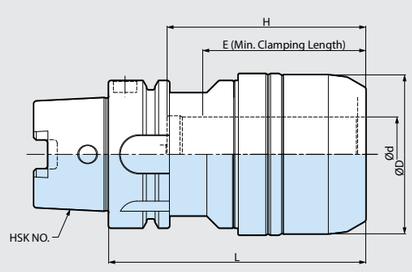
SAMCHULLY

HSK High Speed Rotation SPEEDIA Milling Chuck

DESCRIPTION

HSK63A-C20-90S

- HSK63A — Shank type
- C20 — Code of Speedia milling chuck
- 20 — Inner diameter of chuck Ø
- L — Length (See L value on the drawing)
- S — High-speed rotation model



SUMMARY

Features 6p	Shank	Run-out	MAX R.P.M	Collet Z3p
	DIN 69893-1	5㎛	25,000	

Spanner Z4p

DIMENSIONS & SPECIFICATIONS

	Ød	ØD	L	H	E	Weight(kg)
HSK40A - C16-80S	16	40	80	62	50	0.8
HSK50A - C16-85S	16	40	85	62	50	1.1
C20-85S	20	48	85	63	51	1.1
HSK63A - C16-80S	16	40	80	55	50	1.3
C16-90S			90	65	55	1.5
C16-105S			105	71		1.8
C16-135S			135			2.3
C16-165S			165			2.8
C20-90S	20	48	90	65	56	1.6
C20-105S			105	80		1.5
C20-120S			120	85		2.1
C20-135S			135			2.4
C20-165S			165			3.1
C25-100S	25	55	100	75	57	2.0
C25-135S			135	80		2.8
C32-105S	32	68	105	80	64	2.2
C32-135S			135	90		2.9

	Ød	ØD	L	H	E	Weight(kg)
HSK100A - C16-105S	16	40	105	71	50	3.5
C16-135S			135			4.1
C16-165S			165			4.7
C20-105S	20	48	105	73	56	4.1
C20-135S			135	85		5.0
C20-165S			165			5.9
C25-105S	25	55	105	73	65	4.5
C25-135S			135	90		5.6
C25-165S			165			6.8
C32-115S	32	68	115	83	71	5.0
C32-135S			135	103		5.8
C32-165S			165	105		7.1
C42-115S	42	86	115	83	78	5.5
C42-135S			135	97		6.9

※ The straight collet and spanner are available as optional features
※ "H" stands for the tool adjustment length in the axial direction.
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

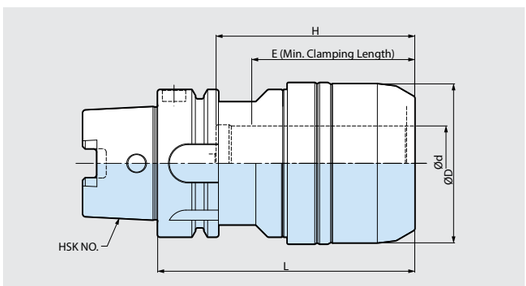
HSK ULTRA High-rigidity milling chuck for High-speed rotation

Use of ring spanner

DESCRIPTION

HSK100A-UTC32-115S

- HSK100A — Shank type
- UTC32 — Code of Ultra milling chuck
- 32 — Inner diameter of chuck Φ
- 115 — Length (See L value on the drawing)
- S — High-speed rotation model



SUMMARY

Features 7p	Shank: DIN 69893-1	Run-out: 5㎛	MAX R.P.M: 25,000	Spanner Z4p
AD Screw Z4p	Collet Z3p	P.S Bolt Z2p		

DIMENSIONS & SPECIFICATIONS

	Ød	ØD	L	H	E	Weight(kg)
HSK100A - UTC16-105S	16	46	105	71	50	3.6
UTC16-135S			135			4.0
UTC20-105S	20	60	105	73	56	4.1
UTC20-135S			135	85		5.0
UTC25-105S	25	70	105	73	65	4.5
UTC25-135S			135	90		5.5
UTC25-165S			165			6.0
UTC32-115S	32	80	115	83	71	5.0
UTC32-135S			135	103		6.0
UTC32-165S			135	105		7.0
UTC42-115S	42	99	115	83	78	5.5
UTC42-135S			135	97		7.1
UTC42-165S			165			8.2

※ The straight collet and spanner are available as optional features
※ "H" stands for the tool adjustment length in the axial direction.
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

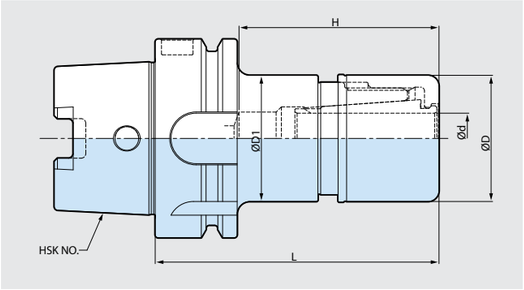
HSK High Speed Rotation SPEEDIA SK Collet Chuck

Use of ring spanner

DESCRIPTION

HSK63A-SK6-60S

- HSK63A — Shank type
- SK6 — Code of Speedia SK Collet chuck
- 60 — Collet Size
- S — Length (See L value on the drawing)
- (blank) — High-speed rotation model



SUMMARY

Features 8p	DIN 69893-1 Shank	3㎛ Run-out	25,000 MAX R.P.M	G2.5 Balancing
Collet Z12p	Spanner Z4p	NUT Z13p	AD Screw Z14p	

DIMENSIONS & SPECIFICATIONS

	Φd(mm)	ΦD	ΦD1	L	H	Weight(kg)
HSK63A - SK6-60S	1.8~6.0	20	19.5	60	35	0.7
SK6-90S				90		1.0
SK6-120S				120		1.1
SK6-150S				150		1.2
SK10-60S	1.75~10.0	28	27.5	60	50	0.7
SK10-90S				90		1.1
SK10-120S				120		1.4
SK10-150S				150		1.8
SK13-60S	2.75~13.0	33	33	60	65	0.9
SK13-90S				90		1.2
SK13-120S				120		1.5
SK13-150S				150		1.8
SK16-60S	2.75~16.0	40	40	60	65	1.0
SK16-90S				90	70	1.1
SK16-120S				120		1.6
SK16-150S				150		1.7
SK20-60S	3.6~20.0	48	48	60	60	1.3
SK20-90S				90	80	1.4
SK20-120S				120		1.6
SK20-150S				150		1.8
SK25-60S	3.6~20.0	48	48	60	60	1.3
SK25-90S				90	80	1.4
SK25-120S				120		1.6
SK25-150S				150		1.8
SK32-60S	3.6~20.0	48	48	60	60	1.3
SK32-90S				90	80	1.4
SK32-120S				120		1.6
SK32-150S				150		1.8
SK40-60S	3.6~20.0	48	48	60	60	1.3
SK40-90S				90	80	1.4
SK40-120S				120		1.6
SK40-150S				150		1.8

	Φd(mm)	ΦD	ΦD1	L	H	Weight(kg)
HSK63A - SK20-120S	3.6~20.0	48	48	120	80	1.6
SK25-75S	7.6~25.4	55	55	75	75	1.5
SK25-90S				90		1.6
SK25-120S				120	85	1.8
HSK100A - SK6-105S	1.8~6.0	20	19.5	64	35	2.2
SK6-135S				92		2.4
SK10-105S	1.75~10.0	28	27.5	57	50	2.6
SK10-135S				92		2.9
SK10-165S				114		3.3
SK10-200S				151		3.5
SK13-105S	2.75~13.0	33	33	62	65	2.7
SK13-135S				92		3.2
SK13-165S				122		3.5
SK13-200S				157		3.8
SK16-105S	2.75~16.0	40	40	62	70	2.7
SK16-135S				92		3.3
SK16-165S				122		3.6
SK16-200S				157		3.8
SK20-105S	3.6~20.0	48	48	62	80	2.9
SK20-135S				92		3.2
SK20-165S				122		3.6
SK20-200S				157		4.2
SK25-105S	7.6~25.4	55	55	62	85	3.2
SK25-135S				92		3.5
SK25-165S				122		4.8

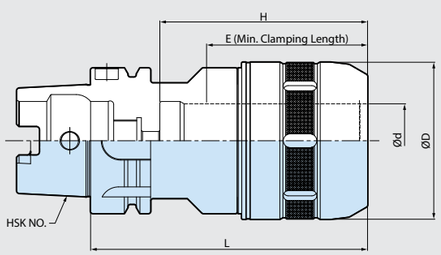
※ The Sk collet and ring spanner are available as optional features
※ "H" stands for the tool adjustment length in the axial direction.
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

HSK Standard Golden Milling Chuck

DESCRIPTION

HSK63A-C20-90

- Length (See L value on the drawing)
- Inner diameter of chuck Φ
- Code of Milling chuck
- Shank type



SUMMARY

Features 9p	Shank	Run-out	Collet Z3p	Spanner Z4p
	DIN 69893-1	10㎛		

DIMENSIONS & SPECIFICATIONS

	Ød	ØD	L	H Max.	E	Weight(kg)
HSK40A - C20-85	20	54	85	66	56	0.9
HSK50A - C20-90	20	54	90	66	56	1.2
HSK63A - C20-90	20	54	90	65	56	1.5
C20-120			120	85		1.9
C25-100	25	62	100	75	57	2.0
C25-135			135	80		2.5
C32-110	32	68	110	85	64	2.3
C32-135			135	90		2.6
C32-165			165			3.2
HSK100A - C20-105	20	54	105	73	56	3.0
C20-135			135	85		3.5
C20-165			165			4.1
C25-105	25	62	105	73	57	3.3
C25-135			135	90		3.9
C25-165			165			4.8
C32-115	32	75	115	83	72	3.9
C32-135			135	103		4.4

	Ød	ØD	L	H Max.	E	Weight(kg)
HSK100A - C32-165	32	75	165	105	72	5.4
C32-200			200			6.4
C42-115	42	90	115	83	73	4.9
C42-135			135	103		5.5
C42-165			165	107		6.8

※ The straight collet and spanner are available as optional features
※ "H" stands for the tool adjustment length in the axial direction.
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

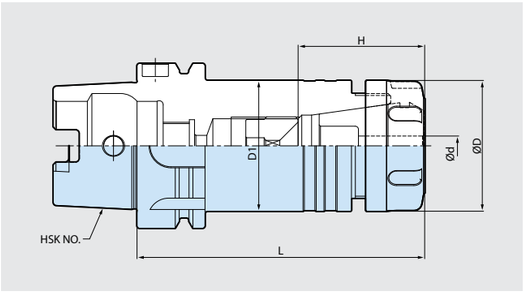
HSK series

HSK ER Collet Chuck

DESCRIPTION

HSK63A-ER11-60

- Length (See L value on the drawing)
- Collet Size
- Code of ER Collet chuck
- Shank type



SUMMARY

Features 10p	DIN 69893-1 Shank	15,000 MAX R.P.M	G6.3 Balancing	AD Screw Z9p
Collet Z6p	Spanner Z9p	NUT Z8p		

DIMENSIONS & SPECIFICATIONS

	Φd(mm)	ΦD	ΦD1	L	H	Weight(kg)
HSK63A - ER11-60	2.0~7.0	19	19	60	26~38	0.9
ER11-90				90		1.0
ER11-135				135		1.1
ER16-60	1.0~10.0	28	28	60	35~50	1.0
ER16-90				90		1.2
ER16-135				135		1.3
ER20-60	1.0~13.0	34	34	60	42~52	1.0
ER20-90				90		1.3
ER20-120				120		1.4
ER20-150				150		1.6
ER25-60	2.0~16.0	42	42	60	44~67	1.1
ER25-90				90		1.3
ER25-120				120		1.7
ER32-60	2.0~20.0	50	50	60	50~68	1.2
ER32-90				90		1.5
ER32-120				120		1.8
ER40-90	2.0~26.0	63	58	90	56~71	1.6
ER40-120				120		1.8

	Φd(mm)	ΦD	ΦD1	L	H	Weight(kg)
HSK100A - ER11-90	2.0~7.0	19	19	90	26~38	2.5
ER11-120				120		2.5
ER11-165				165		2.6
ER16-90	1.0~10.0	28	28	90	35~50	2.6
ER16-120				120		2.7
ER16-165				165		2.9
ER20-90	1.0~13.0	34	34	90	42~52	2.7
ER20-120				120		2.9
ER20-165				165		3.2
ER25-90	2.0~16.0	42	42	90	44~67	2.8
ER25-120				120		3.1
ER25-165				165		3.5
ER32-90	2.0~20.0	50	50	90	50~68	2.9
ER32-120				120		3.3
ER32-165				165		3.8
ER40-90	2.0~30.0	63	63	90	56~79	3.0
ER40-120				120		3.4
ER40-165				165		3.9

※ ER collet and spanner are available as optional features
※ "H" stands for the tool adjustment length in the axial direction.
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

HSK series

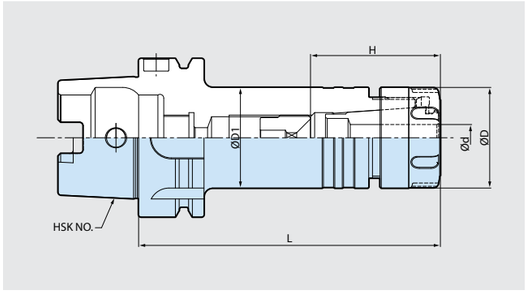
HSK Slim SK Collet Chuck

DESCRIPTION

HSK63A-SK6-60

- HSK63A — Shank type
- SK6 — Code of SK Collet chuck
- 60 — Length (See L value on the drawing)

Collet Size



SUMMARY

Features 11p	Shank	MAX R.P.M	Balancing	AD Screw Z14p
	DIN 69893-1	15,000	G6.3	

Collet Z11p	Spanner Z14p	NUT Z13p

DIMENSIONS & SPECIFICATIONS

	Φd(mm)	ΦD	ΦD1	L	H	Weight(kg)
HSK63A - SK6-60	1.8~6.0	20	19.5	60	35	0.7
SK6-90				90		1.0
SK6-120				120		1.1
SK6-150				150		1.2
SK10-60	1.75~10.0	28	27.5	60	50	0.7
SK10-90				90		1.1
SK10-120				120		1.4
SK10-150				150		1.8
SK13-60	2.75~13.0	33	33	60	65	0.9
SK13-90				90		1.2
SK13-120				120		1.5
SK13-150				150		1.8
SK16-60	2.75~16.0	40	40	60	65	1.0
SK16-90				90	70	1.1
SK16-120				120		1.6
SK16-150				150		1.7
SK20-60	3.6~20.0	48	48	60	60	1.3
SK20-90				90	80	1.4
SK20-120				120		1.6
SK20-150				150		1.8
SK25-75	7.6~25.4	55	55	75	75	1.5
SK25-90				90		1.6
SK25-120				120	85	1.8
HSK100A - SK6-105	1.8~6.0	20	19.5	64	35	2.2
SK6-135				92		2.4
SK10-105	1.75~10.0	28	27.5	57	50	2.6
SK10-135				92		2.9
SK10-165				114		3.3
SK10-200				151		3.5
SK13-105	2.75~13.0	33	33	62	65	2.7
SK13-135				92		3.2
SK13-165				122		3.5
SK13-200				157		3.8
SK16-105	2.75~16.0	40	40	62	70	2.7
SK16-135				92		3.3
SK16-165				122		3.6
SK16-200				157		3.8
SK20-105	3.6~20.0	48	48	62	80	2.9
SK20-135				92		3.2
SK20-165				122		3.6
SK20-200				157		4.2
SK25-105	7.6~25.4	55	55	62	85	3.2
SK25-135				92		3.5
SK25-165				122		4.8

※ The Sk collet and ring spanner are available as optional features
※ "H" stands for the tool adjustment length in the axial direction.
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

HSK series

PSC Series

Samchully is the global machine tool's total company which has been supplied various and wide range of solutions for turning and machining center,we are aiming for the improvement of productivity and high precision machining to manufacturing industry through awesome products and technology innovation.

SPEEDIA Milling Chuck

D 2 P

SPEEDIA SK Collet Chuck

D 4 P

Golden Milling Chuck

D 6 P

ER Collet Chuck

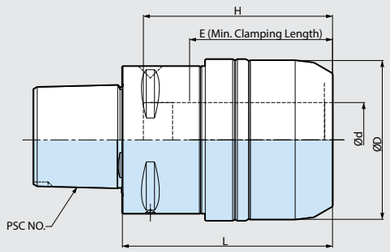
D 8 P

Slim SK Collet Chuck

D 10 P

PSC High Speed Rotation SPEEDIA Milling Chuck

Use of ring spanner



DESCRIPTION

PSC50-C16-65S

- High-speed rotation model
- Length (See L value on the drawing)
- Inner diameter of chuck Φ
- Code of Speedia milling chuck
- Shank 종류

SUMMARY

- Features 6p
- ISO 26623-1 Shank
- 5㎛ Run-out
- 25,000 MAX R.P.M
- Collet Z3p
- Spanner Z4p

DIMENSIONS & SPECIFICATIONS

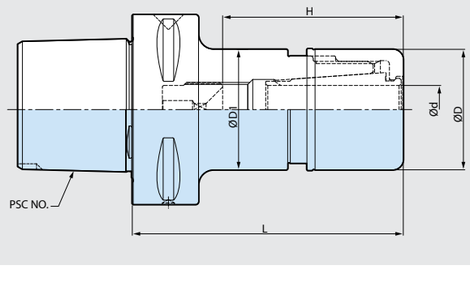
	Φd(mm)	ΦD	L	H max.	E	Weight(kg)
PSC50 - C16-65S	16	40	65	58	55	0.8
C16-90S			90	71		1.3
C20-75S	20	48	75	68	56	1.1
C20-90S			90	83		1.4
C25-75S	25	55	75	68	57	1.4
C25-90S			90	83		1.7
PSC63 - C16-70S	16	40	70	61	55	1.6
C16-90S			90	81		2.0
C16-105S			105	71		2.3
C16-135S			135			2.9
C20-75S	20	48	75	66	56	1.9
C20-90S			90	81		2.1
C20-105S			105	85		2.4
C20-135S			135			3.0
C25-75S	25	55	75	66	57	2.1
C25-90S			90	81		2.4
C25-105S			105	85		2.8
C25-135S			135			3.3
C32-90S	32	68	90	81	64	2.5
C32-105S			105	90		2.9
C32-135S			135			3.4

	Φd(mm)	ΦD	L	H max.	E	Weight(kg)
PSC80 - C16-70S	16	40	70	71	50	2.8
C16-105S			105			3.5
C20-75S	20	48	75	75	56	3.3
C20-105S			105	85		4.2
C20-135S			135			5.0
C25-75S	25	55	75	75	65	3.4
C25-105S			105	90		4.5
C25-165S			165			6.4
C32-90S	32	68	90	90	71	4.3
C32-105S			105	100		4.8
C32-135S			135	105		6.0

※ The straight collet and ring spanner are available as optional features
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

PSC High Speed Rotation SPEEDIA SK Collet Chuck

Use of ring spanner



DESCRIPTION

PSC63-SK6-60S

- High-speed rotation model
- Length (See L value on the drawing)
- Collet Size
- Code of Speedia SK chuck
- Shank 종류

SUMMARY

Features 8p	ISO 26623-1 Shank	3㎛ Run-out	25,000 MAX R.P.M	G2.5 Balancing
Collet Z12p	Spanner Z4p	NUT Z13p	AD Screw Z14p	

DIMENSIONS & SPECIFICATIONS

	Φd(mm)	ΦD	ΦD1	L	H	Weight(kg)
PSC63 - SK6-60S	1.8~6.0	19.5	19.5	60	35	1.2
SK6-90S				90		1.2
SK6-120S				120		1.3
SK6-150S				150		1.4
SK10-60S	1.75~10.0	27.5	27.5	60	50	1.3
SK10-75S				75		1.4
SK10-90S				90		1.5
SK10-120S				120		1.6
SK10-150S				150		1.7
SK10-180S				180		1.9
SK10-200S				200		2.0
SK13-60S	2.75~13.0	33	33	60	65	1.3
SK13-75S				75		1.4
SK13-90S				90		1.5
SK13-120S				120		1.8
SK13-150S				150		1.9
SK13-180S				180		2.1

	Φd(mm)	ΦD	ΦD1	L	H	Weight(kg)
PSC63 - SK13-200S	2.75~13.0	33	33	200	65	2.2
SK16-60S	2.75~16.0	40	40	60	65	1.5
SK16-75S				75	67	1.6
SK16-90S				90	70	1.7
SK16-120S				120		2.0
SK16-150S				150		2.3
SK16-180S				180		2.6
SK16-200S				200		2.7
SK20-60S	3.6~20.0	48	48	60	60	1.5
SK20-75S				75	70	1.6
SK20-90S				90	80	1.8
SK20-120S				120		2.2
SK25-75S	7.6~25.4	55	55	75	75	1.6
SK25-90S				90		1.9
SK25-120S				120	85	2.2

※ The SK collet and spanner are available as optional features
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

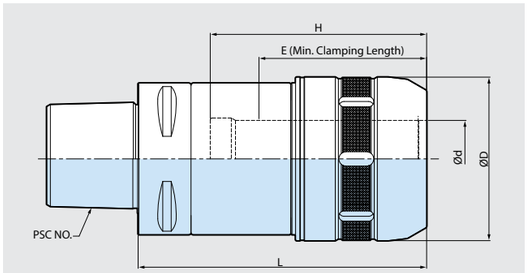
PSC series

PSC Standard Golden Milling Chuck

DESCRIPTION

PSC50-C16-65

- PSC50 — Shank type
- C16 — Code of Milling chuck
- 16 — Inner diameter of chuck Φ
- 65 — Length (See L value on the drawing)



SUMMARY

Features 9p	Shank	Run-out	Spanner Z4p	Collet Z3p
	ISO 26623-1	10㎛		

DIMENSIONS & SPECIFICATIONS

	Φd(mm)	ΦD	L	H max.	E	Weight(kg)
PSC50 - C16-65	16	45	65	58	55	0.8
C20-75	20	54	75	68	56	1
C20-105			105	85		1.4
C25-75	25	62	75	68	57	1.3
C25-105			105	87		1.7
C32-85	32	64	85	78	58	1.6
PSC63 - C16-70	16	45	70	61	55	1.5
C20-75	20	54	75	66	56	1.7
C20-105			105	85		2.3
C20-120			120			2.5
C25-75	25	62	75	66	57	2
C25-105			105	87		2.5
C25-135			135			3.1
C32-90	32	68	90	81	64	2.4
C32-105			105	90		2.7
C32-135			135			3.2
PSC80 - C20-80	20	54	80	80	56	3.3
C20-135			135	85		4.7
C25-85	25	62	85	85	65	3.5
C25-135			135	90		4.7
C32-95	32	75	95	95	71	4.5
C32-135			135	105		5.7

※ The straight collet and spanner are available as optional features.
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

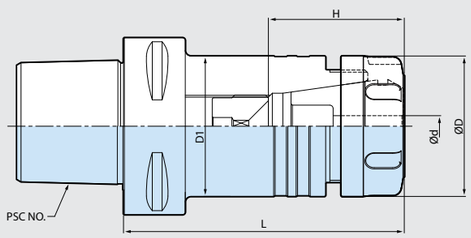
SAMCHULLY

PSC ER Collet Chuck

DESCRIPTION

PSC63-ER11-60

- PSC63 — Shank type
- ER — Code of ER Collet chuck
- 11 — Collet Size
- 60 — Length (See L value on the drawing)



SUMMARY

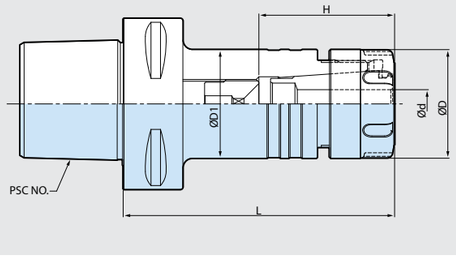
Features 10p	ISO 26623-1	15,000	G6.3	AD Screw Z9p
Collet Z6p	Shank	MAX R.P.M	Balancing	
	Spanner Z9p	NUT Z8p		

DIMENSIONS & SPECIFICATIONS

	Φd(mm)	ΦD	ΦD1	L	H	Weight(kg)
PSC63 - ER11-60	2.0~7.0	19	19	60	26~38	1.1
ER11-90				90		1.2
ER11-135				135		1.4
ER16-60	1.0~10.0	28	28	60	35~50	1.4
ER16-90				90		1.5
ER16-135				135		1.8
ER20-60	1.0~13.0	34	34	60	42~52	1.5
ER20-90				90		1.7
ER20-120				120		1.8
ER20-150				150		1.9
ER25-60	2.0~16.0	42	42	60	44~67	1.6
ER25-90				90		1.8
ER25-120				120		2.0
ER32-60	2.0~20.0	50	50	60	50~68	1.7
ER32-90				90		1.9
ER32-120				120		2.1
ER40-90	2.0~26.0	63	58	90	56~71	2.2
ER40-120				120		2.6

※ The ER collet and spanner are available as optional features.
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications.

PSC Slim SK Collet Chuck



DESCRIPTION

PSC63-SK6-60

- Length (See L value on the drawing)
- Collet Size
- Code of SK Collet chuck
- Shank type

SUMMARY

Features 11p	ISO 26623-1 Shank	15,000 MAX R.P.M	G6.3 Balancing	AD Screw Z14p
Collet Z11p	Spanner Z14p	NUT Z13p		

DIMENSIONS & SPECIFICATIONS

	Φd(mm)	ΦD	ΦD1	L	H	Weight(kg)
PSC63 - SK6-60	1.8~6.0	20	19.5	60	35	1.2
SK6-90				90		1.2
SK6-120				120		1.3
SK6-150				150		1.4
SK10-60	1.75~10.0	28	27.5	60	50	1.3
SK10-75				75		1.4
SK10-90				90		1.5
SK10-120				120		1.6
SK10-150				150		1.7
SK10-180				180		1.9
SK10-200				200		2.0
SK13-60	2.75~13.0	33	33	60	65	1.3
SK13-75				75		1.4
SK13-90				90		1.5
SK13-120				120		1.8
SK13-150				150		1.9
SK13-180				180		2.1
PSC63 - SK13-200	2.75~13.0	33	33	200	65	2.2
SK16-60	2.75~16.0	40	40	60	65	1.5
SK16-75				75	67	1.6
SK16-90				90	70	1.7
SK16-120				120		2.0
SK16-150				150		2.3
SK16-180				180		2.6
SK16-200				200		2.7
SK20-60	3.6~20.0	48	48	60	60	1.5
SK20-75				75	70	1.6
SK20-90				90	80	1.8
SK20-120				120		2.2
SK25-75	7.6~25.4	55	55	75	75	1.6
SK25-90				90		1.9
SK25-120				120	85	2.2

※ The straight collet and spanner are available as optional features.
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications.

PSC series

ST Series

Samchully is the global machine tool's total company which has been supplied various and wide range of solutions for turning and machining center,we are aiming for the improvement of productivity and high precision machining to manufacturing industry through awesome products and technology innovation.

ER
Collet Chuck

E 2 P

Slim ER
Collet Chuck

E 4 P

Slim SK
Collet Chuck

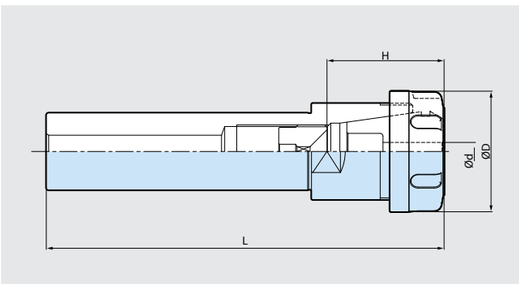
E 6 P

ST ER Collet Chuck

DESCRIPTION

ST16-ER11-120M(T)

- ST16 — Shank type
- ER11 — Code of ER Collet chuck
- 120 — Collet Size
- M — Length (See L value on the drawing)
- (T) — Applicable to machining centers
- T — Applicable to turning centers



SUMMARY

Features 10p | Collet Z6p | Spanner Z9p | NUT Z8p | AD Screw Z9p

DIMENSIONS & SPECIFICATIONS

	Φd	ΦD	L	H
ST16 - ER11-120M(T)	1.0~7.0	19	120	33
ER16-150M(T)	1.0~10.0	28	150	34.5
ST20 - ER16-150M(T)	1.0~10.0	28	150	34.5
ERS20-150M(T)	1.0~13.0	35	150	49
ST25 - ERS16-150M(T)	1.0~10.0	28	150	34.5
ERS20-150M(T)	1.0~13.0	35	150	49
ST32 - ERS20-150M(T)	1.0~13.0	35	150	49
ERS32-165M(T)	2.0~20.0	50	165	60

※ M: For machining centers / T: For turning centers
※ The ER collet and spanner are available as optional features
※ "H" stands for the tool adjustment length in the axial direction.
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

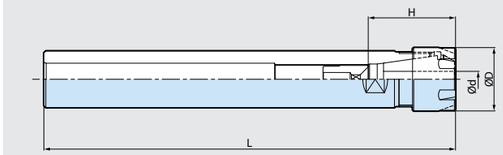
ST series

ST Slim type ER Collet Chuck

DESCRIPTION

ST12-ER8S-80M

- ST12 — Shank type
- ER8S — Code of ER Collet chuck
- 80 — Collet Size
- S — Slim type
- M — Length (See L value on the drawing)
- Applicable to machining centers



SUMMARY

Features 10p | Collet Z6p | Spanner Z10p | NUT Z10p | AD Screw Z10p

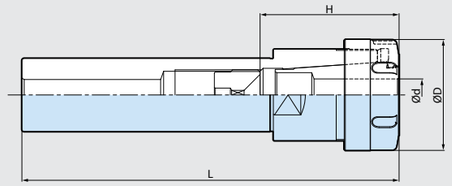
DIMENSIONS & SPECIFICATIONS

	Φd	ΦD	L	H
ST12 - ER8S-80M	0.5~5.0	12	80	-
ST16 - ER11S-100M	1.0~7.0	16	100	33
ER11S-150M		16	150	33
ER16S-100M	1.0~10.0	22	100	44.5
ER16S-150M		22	100	44.5
ST20 - ER16S-100M		22	100	44.5
ER16S-150M		22	150	44.5
ER16S-200M		22	200	44.5
ER20S-100M	1.0~13.0	28	100	49
ER20S-150M		28	150	49
ST25 - ER16S-100M	1.0~10.0	22	100	44.5
ER16S-150M		22	150	44.5
ER20S-100M	1.0~13.0	28	100	49
ER20S-150M		28	150	49
ER20S-200M		28	200	49
ER25S-100M	1.0~16.0	35	100	50
ER25S-150M		35	100	50
ER5S-200M		35	100	50
ST32- ER25S-120M		35	120	50
ER25S-150M		35	150	50

※ M: For machining centers
※ The ER collet and spanner are available as optional features
※ "H" stands for the tool adjustment length in the axial direction.
※ Not compatible with the standard ER nut
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

ST series

ST Slim SK Collet Chuck



DESCRIPTION

ST20-SK6-100

- Length (See L value on the drawing)
- Collet Size
- Code of SK Collet chuck
- Shank type

SUMMARY

Features 11p | Collet Z11p | Spanner Z14p | NUT Z13p | AD Screw Z14p

DIMENSIONS & SPECIFICATIONS

	Φd	ΦD	L	H
ST20 - SK6-100	0.7~6.0	20	100	21~35
SK6-120			120	
SK10-100	1.75~10.0	28	100	30~50
SK10-120			120	
ST32 - SK6-120	0.7~6.0	20	120	21~35
SK6-140			140	
SK6-170			170	
SK10-120	1.75~10.0	28	120	30~50
SK10-150			150	
SK10-180			180	
SK13-120	2.75~13.0	33	120	31~65
SK13-150			150	
SK13-180			180	
SK16-120	2.75~16.0	40	120	45~70
SK16-150			150	
SK16-180			180	
SK25-150	7.5~25.4	55	150	55~65
ST42 - SK10-150	1.75~10.0	28	150	30~50
SK10-180			180	
SK13-150	2.75~13.0	33	150	31~65
SK13-180			180	
SK16-150	2.75~16.0	40	150	45~70
SK16-180			180	
SK25-170	7.5~25.4	55	170	55~65

※ The SK collet and spanner are available as optional features
※ "H" stands for the tool adjustment length in the axial direction.
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

ST series

ACCESSORIES

Samchully is the global machine tool's total company which has been supplied various and wide range of solutions for turning and machining center,we are aiming for the improvement of productivity and high precision machining to manufacturing industry through awesome products and technology innovation.

Pull Stud Bolt

Z 2 P

SK Collet

Z 11 P

Straight Collet

Z 3 P

SK Nut

Z 13 P

Milling Chuck ACC

Z 4 P

SK Collet Chuck ACC

Z 14 P

PRIME Collet

Z 5 P

Hyd.Chuck Drill Chuck ACC

Z 15 P

ER Collet

Z 6 P

ER Nut

Z 8 P

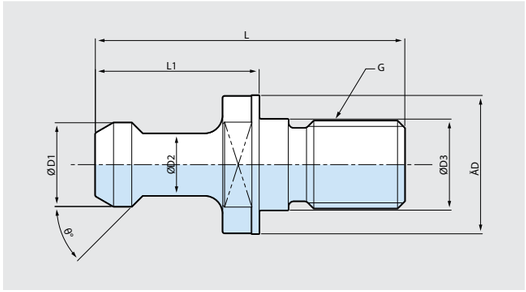
ER Collet Chuck ACC

Z 9 P

ST Shank Slim ER Collet Chuck ACC

Z 10 P

Pullstud Bolt

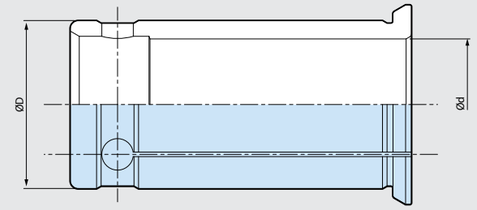


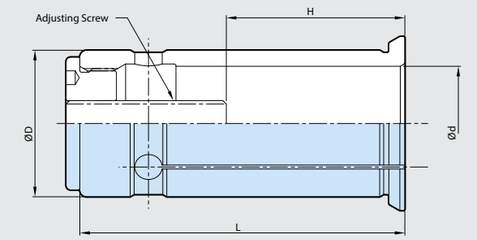
DIMENSIONS

	ΦD1 (mm)	ΦD2	ΦD3	ΦD	L1	L	G	θ°	Type	Remarks
PSB-B3045	11	7	12.5	16.5	23	43	M12	45	MAS P30T-1	BT30
PSB-B3060	11	7	12.5	16.5	23	43	M12	60	MAS P30T-2	BT30
PSB-B4045	15	10	17	23	35	60	M16	45	MAS P40T-1	BT40
PSB-B4060	15	10	17	23	35	60	M16	60	MAS P40T-2	BT40
PSB-B5045	23	17	25	38	45	85	M24	45	MAS P50T-1	BT50
PSB-B5060	23	17	25	38	45	85	M24	60	MAS P50T-2	BT50
PSB-B3075	12	8	12.5	16.5	23.4	43	M12	75	JIS B6339-89	BT30 (FACE GRINDING)
PSB-B4075	19	14	17	23	29	54	M16	75	JIS B6339-89	BT40 (FACE GRINDING)
PSB-B5075	28	21	25	38	34	74	M24	75	JIS B6339-89	BT50 (FACE GRINDING)
PSB-B4090	15	10	17	23	35	60	M16	90	-	BT40
PSB-B5090	23	17	25	38	45	85	M24	90	-	BT50

※ If the pull stud bolt is deformed or damaged, it should be replaced with a new bolt
※ It is recommended to use Loctite when clamping the pull stud bolt first. (Consult the manufacturer's User's Manual regarding the use of Loctite)
※ Regular checking and replacement of the pull stud bolt are essential to prevent safety accidents
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

Straight Collet





Straight Collet DIMENSIONS

Model	Φd(mm)	ΦD
ST20-CΦd	6,8,10,12,16	20
ST32-CΦd	6,8,10,12,14,16,20,25	32
ST42-CΦd	6,8,10,12,16,20,25,32	42

Straight Collet DIMENSIONS(AD)

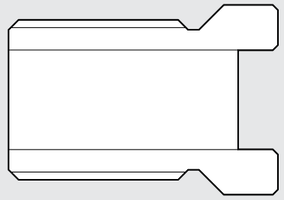
Model	Φd(mm)	ΦD	L	H	
				Min.	Max.
ST32-CN6	6	32	71	30	62
ST32-CN8	8			32	
ST32-CN10	10			37	
ST32-CN12	12				
ST32-CN16	16			46	
ST32-CN20	20			52	
ST32-CN25	25			55	
ST42-CN6	6	42	83	30	65
ST42-CN8	8			34	
ST42-CN10	10			37	
ST42-CN12	12				
ST42-CN16	16			46	
ST42-CN20	20			52	
ST42-CN25	25			55	
ST42-CN32	32			62	

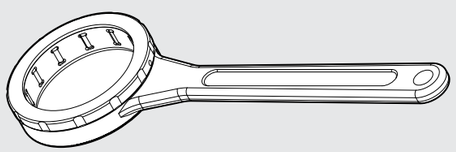
※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

Accessories

Hook spanner

Ring spanner





Hook Spanner DIMENSIONS

Model	Applied models
HS-C16	C16
HS-C20	C20
HS-C25	C25 C32(BT/BTT30,BT/BTT40,HSK40A, HSK50A,HSK63A,PSC50,PSC63,PSC80)
HS-C32	C32(BT/BTT50,HSK100A)
HS-C42	C42

AD Screw DIMENSIONS

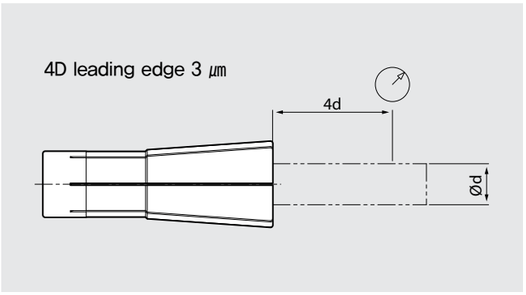
Model	Applied models
-	C16
C-AD16	C20
	C25
	C32(BT/BTT30,BT/BTT40)
C-AD24	C32(BT/BTT50)
	C42

Ring Spanner DIMENSIONS

Model	Applied models (High-speed Golden Milling Chuck and Ultra Milling Chuck)	Applied models (High-speed ER)	Applied models (High-speed SK)
RS-19		ER11	SK6
RS-27		ER16	SK10
RS-33		ER20	SK13
RS-40	C16		SK16
RS-42		ER25	
RS-48	C20		SK20
RS-50		ER32	
RS-55	C25		SK25
RS-60	UTC20		
RS-62	C32(BT/BTT30,PSC50)	ER40	
RS-68	C32(BT/BTT40,BT/BTT50,HSK63A, HSK100A,PSC63,PSC80)		
RS-70	UTC25		
RS-80	UTC32		
RS-99	UTC42		

※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

PRIME Collet



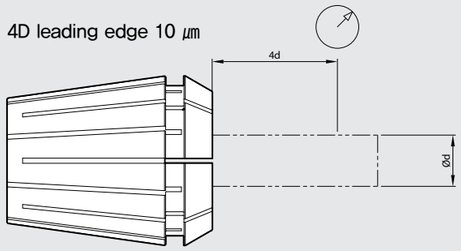
DIMENSIONS

Size	Model	Clamping Range Φd
PM04	PM04-C2.0	1.8~2.0
	PM04-C3.0	2.8~3.0
	PM04-C4.0	3.8~4.0
PM08	PM08-C2.0	1.8~2.0
	PM08-C3.0	2.8~3.0
	PM08-C4.0	3.8~4.0
	PM08-C5.0	4.8~5.0
	PM08-C6.0	5.8~6.0
	PM08-C8.0	7.8~8.0
PM12	PM12-C3.0	2.8~3.0
	PM12-C4.0	3.8~4.0
	PM12-C5.0	4.8~5.0
	PM12-C6.0	5.8~6.0
	PM12-C8.0	7.8~8.0
	PM12-C10.0	9.8~10.0
	PM12-C12.0	11.8~12.0
PM16	PM16-C3.0	2.8~3.0
	PM16-C4.0	3.8~4.0
	PM16-C5.0	4.8~5.0
	PM16-C6.0	5.8~6.0
	PM16-C8.0	7.8~8.0
	PM16-C10.0	9.8~10.0
	PM16-C12.0	11.8~12.0

Size	Model	Clamping Range Φd
PM16	PM16-C14.0	13.8~14.0
	PM16-C16.0	15.8~16.0
PM20	PM20-C4.0	3.8~4.0
	PM20-C5.0	4.8~5.0
	PM20-C6.0	5.8~6.0
	PM20-C8.0	7.8~8.0
	PM20-C10.0	9.8~10.0
	PM20-C12.0	11.8~12.0
	PM20-C14.0	13.8~14.0
	PM20-C16.0	15.8~16.0
	PM20-C18.0	17.8~18.0
	PM20-C20.0	19.8~20.0

※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

ER Collet (General model)



DIMENSIONS

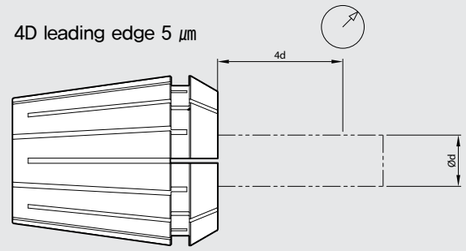
Size	Model	Clamping Range Φd
ER11	ER11-C1.5	1.5~1.0
	ER11-C2.0	2.0~1.5
	ER11-C2.5	2.5~2.0
	ER11-C3.0	3.0~2.5
	ER11-C3.5	3.5~3.0
	ER11-C4.0	4.0~3.5
	ER11-C4.5	4.5~4.0
	ER11-C5.0	5.0~4.5
	ER11-C5.5	5.5~5.0
	ER11-C6.0	6.0~5.5
	ER11-C6.5	6.5~6.0
	ER11-C7.0	7.0~6.5
ER16	ER16-C2.0	2.0~1.0
	ER16-C2.5	2.5~1.5
	ER16-C3.0	3.0~2.0
	ER16-C4.0	4.0~3.0
	ER16-C5.0	5.0~4.0
	ER16-C6.0	6.0~5.0
	ER16-C7.0	7.0~6.0
	ER16-C8.0	8.0~7.0
	ER16-C9.0	9.0~8.0
	ER16-C10.0	10.0~9.0
ER20	ER20-C2.0	2.0~1.0
	ER20-C2.5	2.5~1.5
	ER20-C3.0	3.0~2.0
	ER20-C4.0	4.0~3.0
	ER20-C5.0	5.0~4.0
	ER20-C6.0	6.0~5.0
	ER20-C7.0	7.0~6.0
	ER20-C8.0	8.0~7.0
	ER20-C9.0	9.0~8.0
	ER20-C10.0	10.0~9.0

Size	Model	Clamping Range Φd
ER20	ER20-C11.0	11.0~10.0
	ER20-C12.0	12.0~11.0
	ER20-C13.0	13.0~12.0
ER25	ER25-C3.0	3.0~2.0
	ER25-C4.0	4.0~3.0
	ER25-C5.0	5.0~4.0
	ER25-C6.0	6.0~5.0
	ER25-C7.0	7.0~6.0
	ER25-C8.0	8.0~7.0
	ER25-C9.0	9.0~8.0
	ER25-C10.0	10.0~9.0
	ER25-C11.0	11.0~10.0
	ER25-C12.0	12.0~11.0
	ER25-C13.0	13.0~12.0
	ER25-C14.0	14.0~13.0
	ER25-C15.0	15.0~14.0
	ER25-C16.0	16.0~15.0
ER32	ER32-C3.0	3.0~2.0
	ER32-C4.0	4.0~3.0
	ER32-C5.0	5.0~4.0
	ER32-C6.0	6.0~5.0
	ER32-C7.0	7.0~6.0
	ER32-C8.0	8.0~7.0
	ER32-C9.0	9.0~8.0
	ER32-C10.0	10.0~9.0
	ER32-C11.0	11.0~10.0
	ER32-C12.0	12.0~11.0
	ER32-C13.0	13.0~12.0
	ER32-C14.0	14.0~13.0
	ER32-C15.0	15.0~14.0
	ER32-C16.0	16.0~15.0
	ER32-C17.0	17.0~16.0

Size	Model	Clamping Range Φd
ER32	ER32-C18.0	18.0~17.0
	ER32-C19.0	19.0~18.0
	ER32-C20.0	20.0~19.0
ER40	ER40-C3.0	3.0~2.0
	ER40-C4.0	4.0~3.0
	ER40-C5.0	5.0~4.0
	ER40-C6.0	6.0~5.0
	ER40-C7.0	7.0~6.0
	ER40-C8.0	8.0~7.0
	ER40-C9.0	9.0~8.0
	ER40-C10.0	10.0~9.0
	ER40-C11.0	11.0~10.0
	ER40-C12.0	12.0~11.0
	ER40-C13.0	13.0~12.0
	ER40-C14.0	14.0~13.0
	ER40-C15.0	15.0~14.0
	ER40-C16.0	16.0~15.0
	ER40-C17.0	17.0~16.0
	ER40-C18.0	18.0~17.0
	ER40-C19.0	19.0~18.0
	ER40-C20.0	20.0~19.0
	ER40-C21.0	21.0~20.0
	ER40-C22.0	22.0~21.0
	ER40-C23.0	23.0~22.0
	ER40-C24.0	24.0~23.0
	ER40-C25.0	25.0~24.0
	ER40-C26.0	26.0~25.0
	ER40-C27.0	27.0~26.0
	ER40-C28.0	28.0~27.0
	ER40-C29.0	29.0~28.0
	ER40-C30.0	30.0~29.0

※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

ER Collet (Precision model)



DIMENSIONS

Size	Model	Clamping Range Φd
ER11	ER11-C1.5S	1.5~1.0
	ER11-C2.0S	2.0~1.5
	ER11-C2.5S	2.5~2.0
	ER11-C3.0S	3.0~2.5
	ER11-C3.5S	3.5~3.0
	ER11-C4.0S	4.0~3.5
	ER11-C4.5S	4.5~4.0
	ER11-C5.0S	5.0~4.5
	ER11-C5.5S	5.5~5.0
	ER11-C6.0S	6.0~5.5
	ER11-C6.5S	6.5~6.0
	ER11-C7.0S	7.0~6.5
ER16	ER16-C2.0S	2.0~1.0
	ER16-C2.5S	2.5~1.5
	ER16-C3.0S	3.0~2.0
	ER16-C4.0S	4.0~3.0
	ER16-C5.0S	5.0~4.0
	ER16-C6.0S	6.0~5.0
	ER16-C7.0S	7.0~6.0
	ER16-C8.0S	8.0~7.0
	ER16-C9.0S	9.0~8.0
	ER16-C10.0S	10.0~9.0
ER20	ER20-C2.0S	2.0~1.0
	ER20-C2.5S	2.5~1.5
	ER20-C3.0S	3.0~2.0
	ER20-C4.0S	4.0~3.0
	ER20-C5.0S	5.0~4.0
	ER20-C6.0S	6.0~5.0
	ER20-C7.0S	7.0~6.0
	ER20-C8.0S	8.0~7.0
	ER20-C9.0S	9.0~8.0
	ER20-C10.0S	10.0~9.0

Size	Model	Clamping Range Φd
ER20	ER20-C11.0S	11.0~10.0
	ER20-C12.0S	12.0~11.0
	ER20-C13.0S	13.0~12.0
ER25	ER25-C3.0S	3.0~2.0
	ER25-C4.0S	4.0~3.0
	ER25-C5.0S	5.0~4.0
	ER25-C6.0S	6.0~5.0
	ER25-C7.0S	7.0~6.0
	ER25-C8.0S	8.0~7.0
	ER25-C9.0S	9.0~8.0
	ER25-C10.0S	10.0~9.0
	ER25-C11.0S	11.0~10.0
	ER25-C12.0S	12.0~11.0
	ER25-C13.0S	13.0~12.0
	ER25-C14.0S	14.0~13.0
	ER25-C15.0S	15.0~14.0
	ER25-C16.0S	16.0~15.0
ER32	ER32-C3.0S	3.0~2.0
	ER32-C4.0S	4.0~3.0
	ER32-C5.0S	5.0~4.0
	ER32-C6.0S	6.0~5.0
	ER32-C7.0S	7.0~6.0
	ER32-C8.0S	8.0~7.0
	ER32-C9.0S	9.0~8.0
	ER32-C10.0S	10.0~9.0
	ER32-C11.0S	11.0~10.0
	ER32-C12.0S	12.0~11.0
	ER32-C13.0S	13.0~12.0
	ER32-C14.0S	14.0~13.0
	ER32-C15.0S	15.0~14.0
	ER32-C16.0S	16.0~15.0
	ER32-C17.0S	17.0~16.0

Size	Model	Clamping Range Φd
ER32	ER32-C18.0S	18.0~17.0
	ER32-C19.0S	19.0~18.0
	ER32-C20.0S	20.0~19.0
ER40	ER40-C3.0S	3.0~2.0
	ER40-C4.0S	4.0~3.0
	ER40-C5.0S	5.0~4.0
	ER40-C6.0S	6.0~5.0
	ER40-C7.0S	7.0~6.0
	ER40-C8.0S	8.0~7.0
	ER40-C9.0S	9.0~8.0
	ER40-C10.0S	10.0~9.0
	ER40-C11.0S	11.0~10.0
	ER40-C12.0S	12.0~11.0
	ER40-C13.0S	13.0~12.0
	ER40-C14.0S	14.0~13.0
	ER40-C15.0S	15.0~14.0
	ER40-C16.0S	16.0~15.0
	ER40-C17.0S	17.0~16.0
	ER40-C18.0S	18.0~17.0
	ER40-C19.0S	19.0~18.0
	ER40-C20.0S	20.0~19.0
	ER40-C21.0S	21.0~20.0
	ER40-C22.0S	22.0~21.0
	ER40-C23.0S	23.0~22.0
	ER40-C24.0S	24.0~23.0
	ER40-C25.0S	25.0~24.0
	ER40-C26.0S	26.0~25.0
	ER40-C27.0S	27.0~26.0
	ER40-C28.0S	28.0~27.0
	ER40-C29.0S	29.0~28.0
	ER40-C30.0S	30.0~29.0

※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

ER Nut

ER Nut

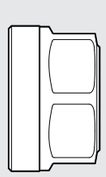


Fig.1

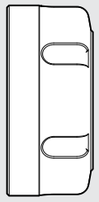


Fig.2

ER Nut DIMENSIONS

Model	Spec.(mm)	Clamping spanner	Fig.	Applied models
ER11-N	M14 x 0.75p x 11.3L	S-17	1	ER11
ER16-N	M22 x 1.5p x 17.5L	S-25	1	ER16
ER20-N	M25 x 1.5p x 19L	S-30	1	ER20
ER25-N	M32 x 1.5p x 20L	ES-25	2	ER25
ER32-N	M40 x 1.5p x 22.5L	ES-32	2	ER32
ER40-N	M50 x 1.5p x 25.5L	ES-40	2	ER40

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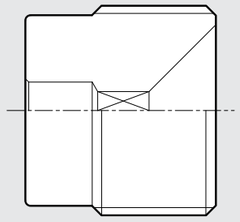
Accessories

ER Adjusting Screw

ER Spanner



ER AD Screw DIMENSIONS

Model	Spec.(mm)	Applied models
ER11-AD7	M7 x 0.75p x 22L	ER11
ER16-AD10	M10 x 0.75p x 25L	ER16
ER20-AD13	M13 x 0.75p x 25L	ER20
ER25-AD18	M18 x 1.0p x 20L	ER25
ER32-AD22	M22 x 1.5p x 20L	ER32
ER40-AD28	M28 x 1.5p x 20L	ER40

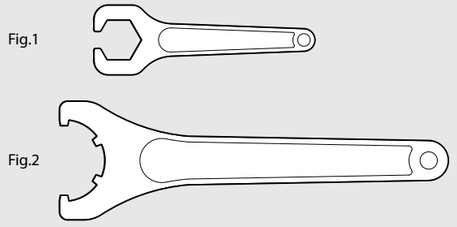


Fig.1

Fig.2

ER Spanner DIMENSIONS

Model	Specifications of the nut	Fig.	Applied models
S-17	ER11-N	1	ER11
S-25.5	ER16-N	1	ER16
S-30	ER20-N	1	ER20
ES-25	ER25-N	2	ER25
ES-32	ER32-N	2	ER32
ES-40	ER40-N	2	ER40

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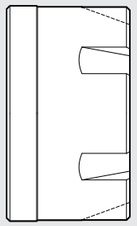
Accessories

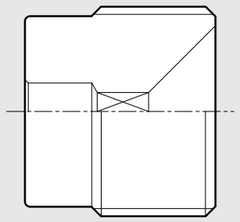
Slim ER Nut

Slim ER Spanner



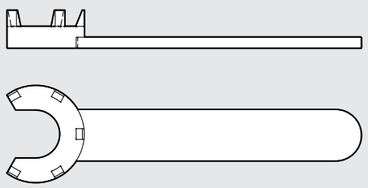
Slim ER Nut DIMENSIONS

Model	Spec.(mm)	Clamping Spanner	Applied models
ER8S-N	M10 x 0.75p x 10.8L	ES-S8	ER8S
ER11S-N	M13 x 0.75p x 12L	ES-S11	ER11S
ER16S-N	M19 x 1.0p x 18.4L	ES-S16	ER16S
ER20S-N	M24 x 1.0p x 19L	ES-S20	ER20S
ER25S-N	M30 x 1.0p x 20L	ES-S25	ER25S



Slim ER AD Screw DIMENSIONS

Model	Spec.(mm)	Applied models
ER8-AD	-	ER8S
ER11-AD7	M7 x 0.75p x 22L	ER11S
ER16-AD10	M10 x 0.75p x 25L	ER16S
ER20-AD13	M13 x 0.75p x 25L	ER20S
ER25-AD18	M18 x 1.0p x 20L	ER25S

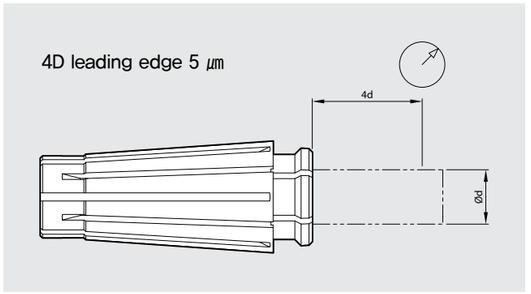


Slim ER Spanner DIMENSIONS

Model	Specifications of the clamping nut	Applied models
ES-S8	ER8S-N	ER8S
ES-S11	ER11S-N	ER11S
ES-S16	ER16S-N	ER16S
ES-S20	ER20S-N	ER20S
ES-S25	ER25S-N	ER25S

※ Dimensions and specifications are subject to change. Please contact us for further information about our products in addition to the aforementioned specifications

SK Collet



DIMENSIONS

Size	Model	Clamping Range Φd
SK06	SK06-C2.0	1.8~2.0
	SK06-C3.0	2.8~3.0
	SK06-C4.0	3.6~4.0
	SK06-C5.0	4.6~5.0
	SK06-C6.0	5.6~6.0
SK10	SK10-C2.0	1.75~2.0
	SK10-C3.0	2.8~3.0
	SK10-C4.0	3.6~4.0
	SK10-C5.0	4.6~5.0
	SK10-C6.0	5.6~6.0
	SK10-C7.0	6.6~7.0
	SK10-C8.0	7.6~8.0
	SK10-C9.0	8.6~9.0
	SK10-C10.0	9.6~10.0
SK13	SK13-C3.0	2.75~3.0
	SK13-C4.0	3.6~4.0
	SK13-C5.0	4.6~5.0
	SK13-C6.0	5.6~6.0
	SK13-C7.0	6.6~7.0
	SK13-C8.0	7.6~8.0
	SK13-C9.0	8.6~9.0
	SK13-C10.0	9.6~10.0
	SK13-C11.0	10.6~11.0
	SK13-C12.0	11.6~12.0
	SK13-C13.0	12.6~13.0
SK16	SK16-C3.0	2.75~3.0
	SK16-C4.0	3.6~4.0
	SK16-C5.0	4.6~5.0
	SK16-C6.0	5.6~6.0
	SK16-C7.0	6.6~7.0
	SK16-C8.0	7.6~8.0
	SK16-C9.0	8.6~9.0

Size	Model	Clamping Range Φd
SK16	SK16-C10.0	9.6~10.0
	SK16-C11.0	10.6~11.0
	SK16-C12.0	11.6~12.0
	SK16-C13.0	12.6~13.0
	SK16-C14.0	13.6~14.0
	SK16-C15.0	14.6~15.0
	SK16-C16.0	15.6~16.0
SK20	SK-20-C4.0	3.6~4.0
	SK20-C5.0	4.6~5.0
	SK20-C6.0	5.6~6.0
	SK20-C7.0	6.6~7.0
	SK20-C8.0	7.6~8.0
	SK20-C9.0	8.6~9.0
	SK20-C10.0	9.6~10.0
	SK20-C11.0	10.6~11.0
	SK20-C12.0	11.6~12.0
	SK20-C13.0	12.6~13.0
	SK20-C14.0	13.6~14.0
	SK20-C15.0	14.6~15.0
	SK20-C16.0	15.6~16.0
	SK20-C17.0	16.6~17.0
	SK20-C18.0	17.6~18.0
	SK20-C19.0	18.6~19.0
	SK20-C20.0	19.6~20.0
SK25	SK25-C8.0	7.6~8.0
	SK25-C9.0	8.6~9.0
	SK25-C10.0	9.6~10.0
	SK25-C11.0	10.6~11.0
	SK25-C12.0	11.6~12.0
	SK25-C13.0	12.6~13.0
	SK25-C14.0	13.6~14.0
	SK25-C15.0	14.6~15.0

Size	Model	Clamping Range Φd
SK25	SK25-C16.0	15.6~16.0
	SK25-C17.0	16.6~17.0
	SK25-C18.0	17.6~18.0
	SK25-C19.0	18.6~19.0
	SK25-C20.0	19.6~20.0
	SK25-C21.0	20.6~21.0
	SK25-C22.0	21.6~22.0
	SK25-C23.0	22.6~23.0
	SK25-C24.0	23.6~24.0
	SK25-C25.0	24.6~25.0

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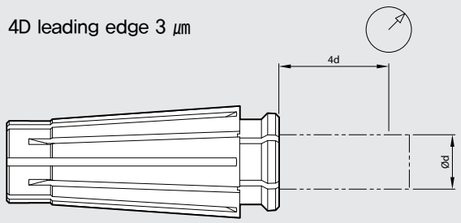
SK Collet



DIMENSIONS

Size	Model	Clamping Range Φd
SK06	SK06-C2.0S	1.8~2.0
	SK06-C3.0S	2.8~3.0
	SK06-C4.0S	3.6~4.0
	SK06-C5.0S	4.6~5.0
	SK06-C6.0S	5.6~6.0
SK10	SK10-C2.0S	1.75~2.0
	SK10-C3.0S	2.8~3.0
	SK10-C4.0S	3.6~4.0
	SK10-C5.0S	4.6~5.0
	SK10-C6.0S	5.6~6.0
	SK10-C7.0S	6.6~7.0
	SK10-C8.0S	7.6~8.0
	SK10-C9.0S	8.6~9.0
	SK10-C10.0S	9.6~10.0
SK13	SK13-C3.0S	2.75~3.0
	SK13-C4.0S	3.6~4.0
	SK13-C5.0S	4.6~5.0
	SK13-C6.0S	5.6~6.0
	SK13-C7.0S	6.6~7.0
	SK13-C8.0S	7.6~8.0
	SK13-C9.0S	8.6~9.0
	SK13-C10.0S	9.6~10.0
	SK13-C11.0S	10.6~11.0
	SK13-C12.0S	11.6~12.0
	SK13-C13.0S	12.6~13.0
SK16	SK16-C3.0S	2.75~3.0
	SK16-C4.0S	3.6~4.0
	SK16-C5.0S	4.6~5.0
	SK16-C6.0S	5.6~6.0
	SK16-C7.0S	6.6~7.0
	SK16-C8.0S	7.6~8.0
	SK16-C9.0S	8.6~9.0

Size	Model	Clamping Range Φd
SK16	SK16-C10.0S	9.6~10.0
	SK16-C11.0S	10.6~11.0
	SK16-C12.0S	11.6~12.0
	SK16-C13.0S	12.6~13.0
	SK16-C14.0S	13.6~14.0
	SK16-C15.0S	14.6~15.0
	SK16-C16.0S	15.6~16.0
SK20	SK20-C4.0S	3.6~4.0
	SK20-C5.0S	4.6~5.0
	SK20-C6.0S	5.6~6.0
	SK20-C7.0S	6.6~7.0
	SK20-C8.0S	7.6~8.0
	SK20-C9.0S	8.6~9.0
	SK20-C10.0S	9.6~10.0
	SK20-C11.0S	10.6~11.0
	SK20-C12.0S	11.6~12.0
	SK20-C13.0S	12.6~13.0
	SK20-C14.0S	13.6~14.0
	SK20-C15.0S	14.6~15.0
	SK20-C16.0S	15.6~16.0
	SK20-C17.0S	16.6~17.0
	SK20-C18.0S	17.6~18.0
	SK20-C19.0S	18.6~19.0
	SK20-C20.0S	19.6~20.0
SK25	SK25-C8.0S	7.6~8.0
	SK25-C9.0S	8.6~9.0
	SK25-C10.0S	9.6~10.0
	SK25-C11.0S	10.6~11.0
	SK25-C12.0S	11.6~12.0
	SK25-C13.0S	12.6~13.0
	SK25-C14.0S	13.6~14.0
	SK25-C15.0S	14.6~15.0

Size	Model	Clamping Range Φd
SK25	SK25-C16.0S	15.6~16.0
	SK25-C17.0S	16.6~17.0
	SK25-C18.0S	17.6~18.0
	SK25-C19.0S	18.6~19.0
	SK25-C20.0S	19.6~20.0
	SK25-C21.0S	20.6~21.0
	SK25-C22.0S	21.6~22.0
	SK25-C23.0S	22.6~23.0
	SK25-C24.0S	23.6~24.0
	SK25-C25.0S	24.6~25.0

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SK Nut

SK Nut

SPEEDIA SK Nut

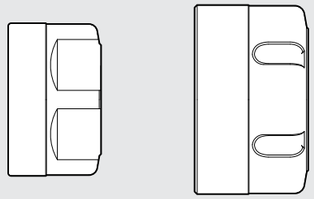
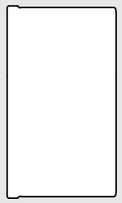


Fig.1

Fig.2



SK Nut DIMENSIONS

Model	Spec.(mm)	Clamping Spanner	Fig.	Applied models
SK06-N	M16 x 1.0p x 15L	S-18	1	SK06
SK10-N	M22 x 1.0p x 17L	S-25	1	SK10
SK13-N	M27 x 1.0p x 21L	SS-13	2	SK13
SK16-N	M32 x 1.5p x 24L	SS-16	2	SK16
SK20-N	M40 x 1.0p x 24L	SS-20	2	SK20
SK25-N	M45 x 1.5p x 30L	SS-25	2	SK25

High Speed SK Nut DIMENSIONS

Model	Spec.(mm)	Clamping Spanner	Applied models
SK06-NS	M16 x 1.0p x 15L	RS-19	SK06
SK10-NS	M22 x 1.0p x 17L	RS-27	SK10
SK13-NS	M27 x 1.0p x 21L	RS-33	SK13
SK16-NS	M32 x 1.5p x 24L	RS-40	SK16
SK20-NS	M40 x 1.0p x 24L	RS-48	SK20
SK25-NS	M45 x 1.5p x 30L	RS-55	SK25

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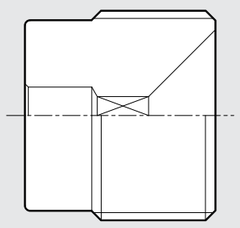
Accessories

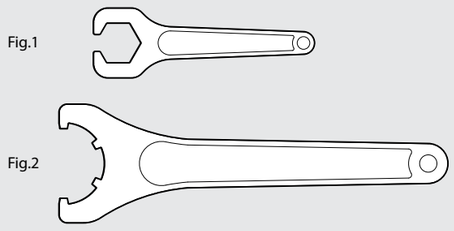
ER Adjusting Screw

SK Spanner



SK AD Screw DIMENSIONS

Model	Spec.(mm)	Applied models
SK06-AD8	M8 x 1.25p x 16L	SK06
SK10-AD12	M12 x 1.75p x 20L	SK10
SK13-AD15	M15 x 1.0p x 20L	SK13
SK16-AD18	M18 x 1.0p x 20L	SK16
SK20-AD22	M22 x 1.5p x 20L	SK20
SK25-AD28	M28 x 1.5p x 20L	SK25



SK Spanner DIMENSIONS

Model	Specifications of the clamping nut	Fig.	Applied models
S-18	SK06-N	1	SK06
S-25	SK10-N	1	SK10
SS-13	SK13-N	2	SK13
SS-16	SK16-N	2	SK16
SS-20	SK20-N	2	SK20
SS-25	SK25-N	2	SK25

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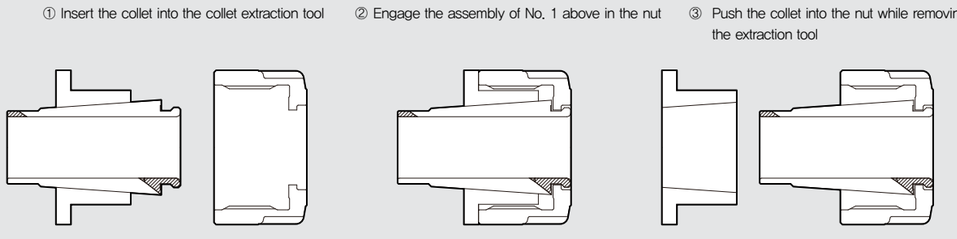
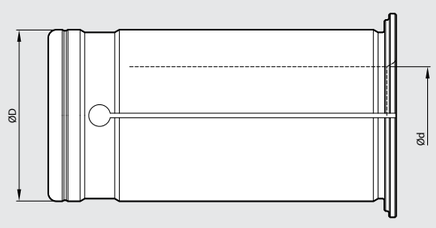
Extracting tool of the Slim SK collet ejector



Accessories

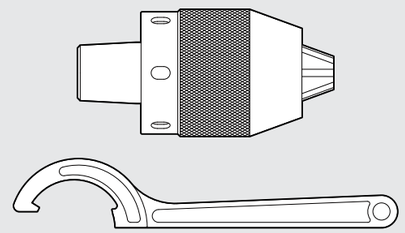
Hydraulic Chuck Collet

Drill Chuck Head



Hydraulic Chuck Collet DIMENSIONS

Model	ΦD	ΦD	L
H12-CΦD	3,4,5,6,8	12	47
H20-CΦD	3,4,5,6,7,8,9,10,11,12,14,16	20	52
H32-CΦD	6,8,10,12,14,18,19,20,25	32	63



Drill Chuck Head & Spanner

Drill chuck Head Model	Clamping Range (mm)	SPANNER MODEL
NPU6.5	0.5~6.5	NS-6.5
NPU13.0	0.5~13.0	NS-13
NPU13.0(BT30)	0.5~13.0	

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