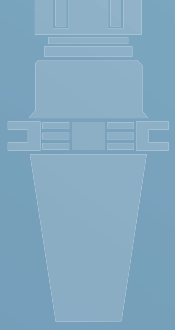


SSK TOOLING SYSTEM

POWER MILLING CHUCK

- FRÄSERSPANNFUTTER
- MANDRIN PORTE FRAISE
- MANDRINI PORTA FRESA
- PORTAHERRAMIENTAS PARA FRESADO

DIN 69871-SK
HIGH-SPEED TYPE / STANDARD TYPE

DIN 69893/ISO 12164-1-HSK
HIGH-SPEED TYPE / STANDARD TYPE

CBT (BT DUAL CONTACT)

JIS B6339/MAS 403-BT
HIGH-SPEED TYPE / STANDARD TYPE

DIN 228-MTA/MTB, R8

MILLING CHUCK SET
STANDARD MILLING CHUCK SET

Q.C MILLING CHUCK SET

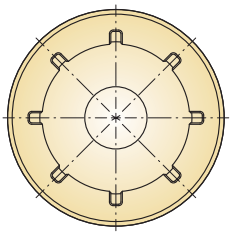
ACCESSORY
END MILL COLLET (K, CK, MT, JT)

SPANNER

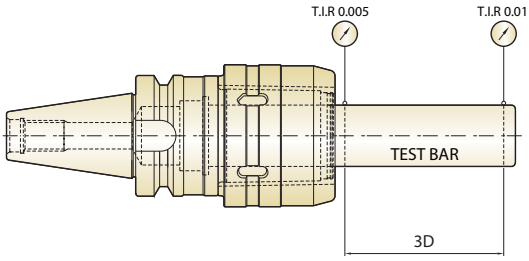
SSK

POWER MILLING CHUCK

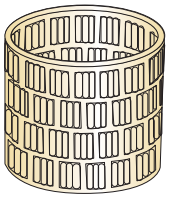
- Rigidity is strengthened through slot made at inside milling chuck, which prevents deformation of milling chuck. Smooth cutting is achieved by maximizing end mill clamping power.
- Enough thickness of clamping part prevents chattering and ensures durability.



- High precision can be achieved through accurate roundness of clamping part, deburred surface and rigidity
  (deviation of concentricity : below 2, roughness : below RZ B1.0~1.5)
- Maintaining T.I.R not exceeding 0.01mm at 3D from nose part



- 160% more of bearings are used in needle roller than other make's chucks, which provides strong clamping power and high durability by dispersing surface pressure even in case strong load is applied.



- In order to improve durability, SSK milling chuck is passed through following processes.
  - "Normalizing" treatment for unifying material composition and removal internal stress.
  - Ultralow temperature (-90°C) treatmemt called “Sub-Zero treatment”after carburizing heat treatment for prior removal of any deformation of milling chuck after use for long periods of time.

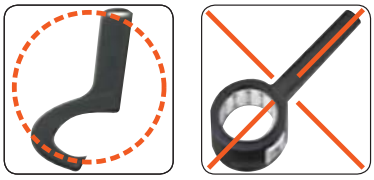
High-Speed POWER MILLING CHUCK

- Achieving optimum cutting for High-Speed heavy duty cutting and finishing with strong torque power
- Perfect clamping from 3mm depth of I.D entrance
- Achieving stability when exchanging and setting tools by stable fastening and unfastening torque

O Ring

- Preventing foreign substances from entering body and nut

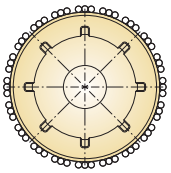
To use ordinary spanner



- No need for expensive Ratchet spanner
  => Using ordinary spanner

Lots of needle bearings

- Strong load during clamping
- Dispersing surface pressure through needle bearing

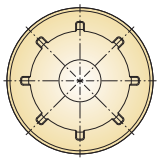


Balancing grade

- G 6.3 / 20,000 RPM
  => Optimizing cutting effect during High-Speed heavy duty cutting and finishing

Slot design at inside milling chuck

- Strengthening body rigidity
- Preventing deformation during cutting
- Maximizing torque power
- Preventing chattering and ensuring durability



Strong Torque Power

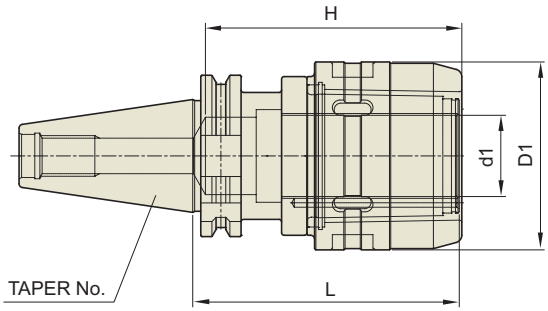
Milling chuck (I.D)	Standard	Tolerance (Taper shank)	Run-out	Clamping torque
C20	AT3	ISO 30 (0~+0.002) ISO 40 (0~+0.003) ISO 50 (0~+0.004)	0.01mm at 3D	980Nm
C25				1,760Nm
C32				3,430Nm
C42				4,900Nm

HIGH-SPEED POWER MILLING CHUCK

SSK **Supreme**

C

HOCHGESCHWINDIGKEITS FRÄSERFUTTER
MANDRIN PORTE FRAISE À GRANDE VITESSE
MANDRINI PORTA FRESA PER ALTA VELOCITÀ
PORTAHERRAMIENTAS PARA FRESADO DE ALTA VELOCIDAD



DIN 69871 - SK	Taper Accuracy	G Value	RPM	Coolant System
	AT3	6.3	20,000	AD

■ DIN 69871-SK

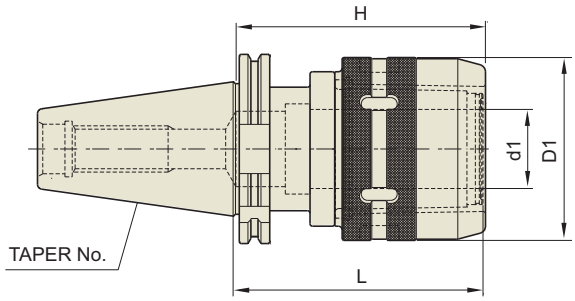
Unit : mm

TAPER No.	MODEL No.	d1	D1	L	H	WEIGHT (Kg)
30	SK30-C20-80HS	20	54	80	70	1.15
	SK30-C25-80HS	25	62.5	70	80	1.48
40	SK40-C20-105HS	20	54	105	70	1.77
	SK40-C25-105HS	25	62.5	105	80	2.10
	SK40-C32-105HS	32	74	105	100	2.40
	SK40-C32-135HS	32	74	135	100	3.10
50	SK50-C20-105HS	20	54	105	70	3.40
	SK50-C25-105HS	25	62.5	105	80	3.80
	SK50-C32-105HS	32	74	105	100	4.30
	SK50-C32-135HS	32	74	135	100	4.90
	SK50-C32-165HS	32	74	165	100	5.60
	SK50-C42-115HS	42	92	115	110	4.60
	SK50-C42-135HS	42	92	135	110	5.60
	SK50-C42-165HS	42	92	165	110	6.10

▶ CAT(ANSI B5.50) taper and Inch type products are available.
▶ For applicable collet and spanner, please refer to page 154.

POWER MILLING CHUCK

FRÄSERSPANNFUTTER
MANDRIN PORTE FRAISE
MANDRINI PORTA FRESA
PORTAHERRAMIENTAS PARA FRESADO



DIN 69871 - SK	Taper Accuracy	G Value	RPM	Coolant System
	AT3	-	-	AD

■ DIN 69871-SK

◆ STUB

Unit : mm

TAPER No.	MODEL No.	d1	D1	L	H	WEIGHT (Kg)
30	SK30-C20-80	20	54	80	70	1.15
	SK30-C25-80	25	62.5	70	80	1.48
40	SK40-C20-90	20	54	90	70	1.60
	SK40-C32-90	32	72	90	100	2.00
50	SK50-C20-80	20	54	80	70	3.22
	SK50-C25-90	25	62.5	90	80	3.61
	SK50-C32-90	32	72	90	100	3.87

◆ STANDARD

Unit : mm

TAPER No.	MODEL No.	d1	D1	L	H	WEIGHT (Kg)
40	SK40-C20-105	20	54	105	70	1.77
	SK40-C25-105	25	62.5	105	80	2.01
	SK40-C32-105	32	72	105	100	2.42
50	SK50-C20-105	20	54	105	70	3.39
	SK50-C25-105	25	62.5	105	80	3.78
	SK50-C32-105	32	72	105	100	4.31
	SK50-C42-115	42	92	115	110	4.53

◆ EXTENDED

Unit : mm

TAPER No.	MODEL No.	d1	D1	L	H	WEIGHT (Kg)
40	SK40-C32-135	32	72	135	100	3.11
50	SK50-C32-135	32	72	135	100	4.94
	SK50-C42-135	42	92	135	110	5.62

◆ EXTRA EXTENDED

Unit : mm

TAPER No.	MODEL No.	d1	D1	L	H	WEIGHT (Kg)
50	SK50-C32-165	32	72	165	100	5.59
	SK50-C42-165	42	92	165	110	6.10

▶ CAT(ANSI B5.50) taper and Inch type products are available.
▶ For applicable collet and spanner, please refer to page 154.

HIGH-SPEED POWER MILLING CHUCK

SSK Supreme

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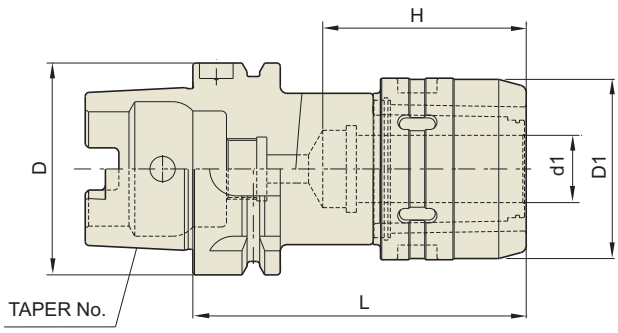
HOCHGESCHWINDIGKEITS FRÄSERFUTTER
MANDRIN PORTE FRAISE À GRANDE VITESSE
MANDRINI PORTA FRESA PER ALTA VELOCITÀ
PORTAHERRAMIENTAS PARA FRESADO DE ALTA VELOCIDAD



DIN 69893 - HSK	Taper Accuracy	G Value	RPM	Coolant System
	-	6.3	20,000	AD

■ DIN 69893/ISO 12164-1-HSK FORM A

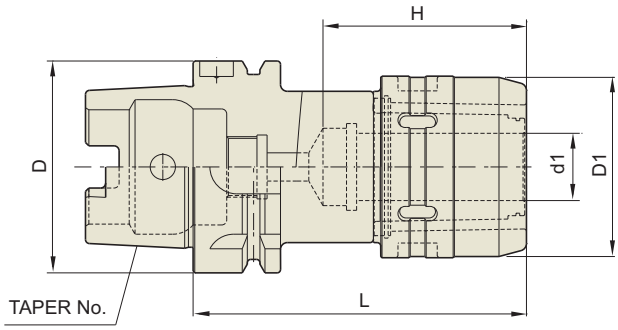
Unit : mm

TAPER No.	MODEL No.	d1	D1	L	H	WEIGHT (Kg)
50A	HSK50A-C20-100HS	20	54	100	70	1.30
63A	HSK63A-C20-105HS	20	54	105	70	1.50
	HSK63A-C25-120HS	25	62.5	120	80	2.20
	HSK63A-C32-130HS	32	74	130	100	2.70
100A	HSK100A-C20-110HS	20	54	110	70	3.50
	HSK100A-C25-130HS	25	62.5	130	80	3.80
	HSK100A-C32-135HS	32	74	135	100	4.20
	HSK100A-C42-135HS	42	74	135	100	5.30

▶ CAT(ANSI B5.50) taper and Inch type products are available.
▶ For applicable collet and spanner, please refer to page 154.

POWER MILLING CHUCK

FRÄSERSPANNFUTTER
MANDRIN PORTE FRAISE
MANDRINI PORTA FRESA
PORTAHERRAMIENTAS PARA FRESADO



DIN 69893 - HSK	Taper Accuracy	G Value	RPM	Coolant System
	-	-	-	AD

■ DIN 69893/ISO 12164-1-HSK FORM A

Unit : mm

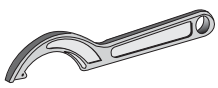
TAPER No.	MODEL No.	d1	D	D1	L	H	WEIGHT (Kg)
50A	HSK50A-C20-100	20	50	54	100	70	1.30
63A	HSK63A-C20-105	20	63	54	105	70	1.50
	HSK63A-C32-130	32	63	72	130	100	2.70
100A	HSK100A-C20-110	20	100	54	110	70	3.50
	HSK100A-C32-135	32	100	72	135	100	4.20
	HSK100A-C42-135	42	100	92	135	100	5.30

◆ ACCESSORY

END MILL COLLET	MODEL No.
	K20-6, 8, 10, 12, 16
	K32-6, 8, 10, 12, 16, 20, 25
	K42-6, 8, 10, 12, 16, 20, 25, 32

▶ Special size of Ø3, Ø4 or Ø5 can be produced and supplied upon request.

END MILL COLLET	MODEL No.
	CK20-6, 8, 10, 12, 16
	CK25-6, 8, 10, 12, 16, 20
	CK32-6, 8, 10, 12, 16, 20, 25
	CK42-6, 8, 10, 12, 16, 20, 25, 32

SPANNER	MODEL No.
	C20 SP
	C25 SP
	C32 SP
	C42 SP

HIGH-SPEED POWER MILLING CHUCK

SSK **Supreme**

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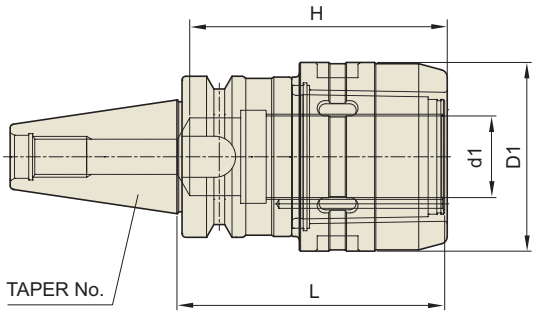
MANDRINI PORTA FRESA PER ALTA VELOCITÀ
PORTAHERRAMIENTAS PARA FRESADO DE ALTA VELOCIDAD



CBT	Taper Accuracy	G Value	RPM	Coolant System
	AT3	6.3	20,000	AD

■ CBT (BT DUAL CONTACT)

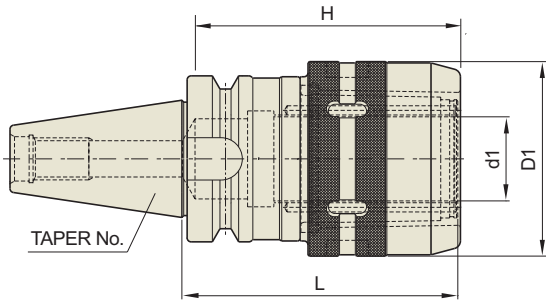
Unit : mm

TAPER No.	MODEL No.	d1	D1	L	H	WEIGHT (Kg)
30	CBT30-C20-75HS	20	54	75	70	1.50
	CBT30-C25-80HS	25	62.5	80	70	2.00
40	CBT40-C20-80HS	20	54	80	70	2.00
	CBT40-C20-105HS	20	54	105	70	2.10
	CBT40-C25-105HS	25	62.5	105	80	2.50
	CBT40-C32-90HS	32	74	90	100	3.00
	CBT40-C32-105HS	32	74	105	100	3.10
	CBT40-C32-135HS	32	74	135	100	3.30
50	CBT50-C20-105HS	20	54	105	70	4.50
	CBT50-C20-135HS	20	54	135	70	4.90
	CBT50-C20-165HS	20	54	165	70	5.40
	CBT50-C25-105HS	25	62.5	105	80	5.20
	CBT50-C25-135HS	25	62.5	135	80	5.80
	CBT50-C25-165HS	25	62.5	165	80	6.20
	CBT50-C32-105HS	32	74	105	100	6.00
	CBT50-C32-135HS	32	74	135	100	6.70
	CBT50-C32-165HS	32	74	165	100	7.40
	CBT50-C42-115HS	42	92	115	110	6.70
	CBT50-C42-135HS	42	92	135	110	7.60
	CBT50-C42-165HS	42	92	165	110	8.30

▶ For applicable collet and spanner, please refer to page 154.

POWER MILLING CHUCK

FRÄSERSPANNFUTTER
MANDRIN PORTE FRAISE
MANDRINI PORTA FRESA
PORTAHERRAMIENTAS PARA FRESADO



CBT	Taper Accuracy	G Value	RPM	Coolant System
	AT3	-	-	AD

■ CBT (BT DUAL CONTACT)

Unit : mm

TAPER No.	MODEL No.	d1	D1	L	H	WEIGHT (Kg)
30	CBT30-C20-75	20	54	75	70	1.50
	CBT30-C25-80	25	62.5	80	70	2.00
40	CBT40-C20-80	20	54	80	70	2.00
	CBT40-C20-105	20	54	105	70	2.10
	CBT40-C25-105	25	62.5	105	80	2.50
	CBT40-C32-90	32	72	90	100	3.00
	CBT40-C32-105	32	72	105	100	3.10
	CBT40-C32-135	32	72	135	100	3.30
50	CBT50-C20-105	20	54	105	70	4.50
	CBT50-C20-135	20	54	135	70	4.90
	CBT50-C20-165	20	54	165	70	5.40
	CBT50-C25-105	25	62.5	105	80	5.20
	CBT50-C25-135	25	62.5	135	80	5.80
	CBT50-C25-165	25	62.5	165	80	6.20
	CBT50-C32-105	32	72	105	100	6.00
	CBT50-C32-115	32	72	115	100	6.20
	CBT50-C32-135	32	72	135	100	6.70
	CBT50-C32-165	32	72	165	100	7.40
	CBT50-C42-115	42	92	115	110	6.70
	CBT50-C42-135	42	92	135	110	7.60
	CBT50-C42-165	42	92	165	110	8.30

▶ For applicable collet and spanner, please refer to page 154.

HIGH-SPEED POWER MILLING CHUCK

SSK **Supreme**

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MANDRIN PORTE FRAISE À GRANDE VITESSE
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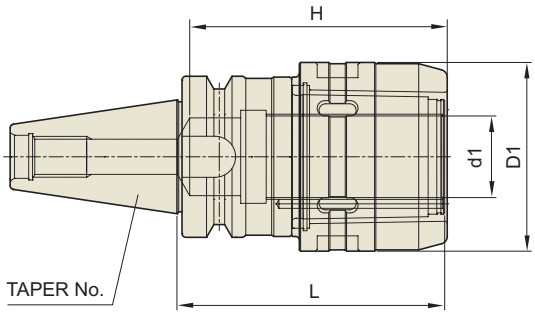
PORTAHERRAMIENTAS PARA FRESADO DE ALTA VELOCIDAD



JIS B6339 - BT	Taper Accuracy	G Value	RPM	Coolant System
	AT3	6.3	20,000	AD

■ JIS B6339/MAS 403-BT

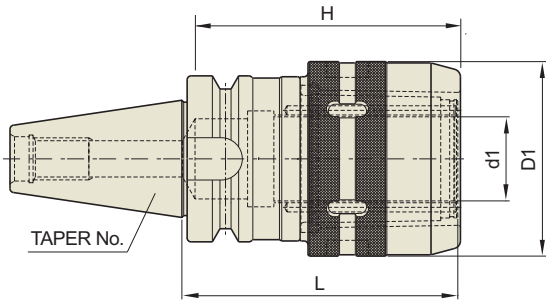
Unit : mm

TAPER No.	MODEL No.	d1	D1	L	H	WEIGHT (Kg)
30	BT30-C20-75HS	20	54	75	70	1.50
	BT30-C25-80HS	25	62.5	80	70	2.00
40	BT40-C20-80HS	20	54	80	70	2.00
	BT40-C20-105HS	20	54	105	70	2.10
	BT40-C25-105HS	25	62.5	105	80	2.50
	BT40-C32-90HS	32	74	90	100	3.00
	BT40-C32-105HS	32	74	105	100	3.10
	BT40-C32-135HS	32	74	135	100	3.30
50	BT50-C20-105HS	20	54	105	70	4.50
	BT50-C20-135HS	20	54	135	70	4.90
	BT50-C20-165HS	20	54	165	70	5.40
	BT50-C25-105HS	25	62.5	105	80	5.20
	BT50-C25-135HS	25	62.5	135	80	5.80
	BT50-C25-165HS	25	62.5	165	80	6.20
	BT50-C32-105HS	32	74	105	100	6.00
	BT50-C32-135HS	32	74	135	100	6.70
	BT50-C32-165HS	32	74	165	100	7.40
	BT50-C42-115HS	42	92	115	110	6.70
	BT50-C42-135HS	42	92	135	110	7.60
	BT50-C42-165HS	42	92	165	110	8.30

▶ CAT(ANSI B5.50) taper and Inch type products are available.
▶ For applicable collet and spanner, please refer to page 154.

POWER MILLING CHUCK

FRÄSERSPANNFUTTER
MANDRIN PORTE FRAISE
MANDRINI PORTA FRESA
PORTAHERRAMIENTAS PARA FRESADO



JIS B6339 - BT	Taper Accuracy	G Value	RPM	Coolant System
	AT3	-	-	AD

■ JIS B6339/MAS 403-BT

Unit : mm

TAPER No.	MODEL No.	d1	D1	L	H	WEIGHT (Kg)
30	BT30-C20-75	20	54	75	70	1.50
	BT30-C25-80	25	62.5	80	70	2.00
40	BT40-C20-80	20	54	80	70	2.00
	BT40-C20-105	20	54	105	70	2.10
	BT40-C25-105	25	62.5	105	80	2.50
	BT40-C32-90	32	72	90	100	3.00
	BT40-C32-105	32	72	105	100	3.10
	BT40-C32-135	32	72	135	100	3.30
50	BT50-C20-105	20	54	105	70	4.50
	BT50-C20-135	20	54	135	70	4.90
	BT50-C20-165	20	54	165	70	5.40
	BT50-C25-105	25	62.5	105	80	5.20
	BT50-C25-135	25	62.5	135	80	5.80
	BT50-C25-165	25	62.5	165	80	6.20
	BT50-C32-105	32	72	105	100	6.00
	BT50-C32-115	32	72	115	100	6.20
	BT50-C32-135	32	72	135	100	6.70
	BT50-C32-165	32	72	165	100	7.40
	BT50-C42-115	42	92	115	110	6.70
	BT50-C42-135	42	92	135	110	7.60
	BT50-C42-165	42	92	165	110	8.30

▶ CAT(ANSI B5.50) taper and Inch type products are available.
▶ For applicable collet and spanner, please refer to page 154.

POWER MILLING CHUCK

FRÄSERSPANNFUTTER
MANDRIN PORTE FRAISE
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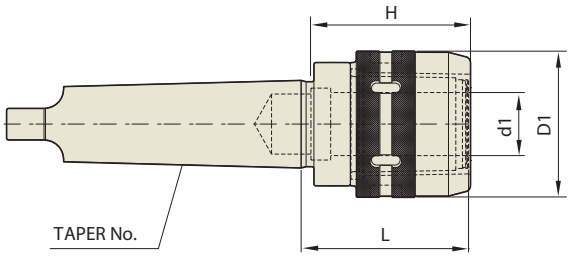
PORTAHERRAMIENTAS PARA FRESADO

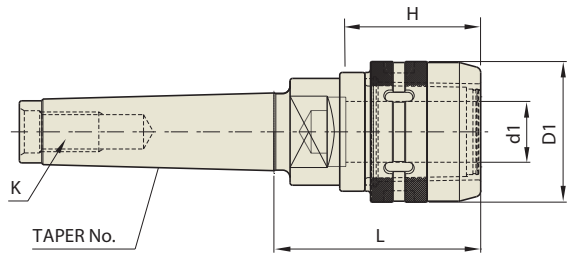


■ DIN 228-MTA

Unit : mm

TAPER No.	MODEL No.	d1	D1	L	H	WEIGHT (Kg)
4	MTA4-C32	32	72	98	85	2.57
5	MTA5-C32	32	72	85	100	3.06
	MTA5-C42	42	92	114	100	3.45
6	MTA6-C42	42	92	99	110	4.14

▶ In case of MT6, it is required to inform machine model number and company name for selection of cutter groove.



■ DIN 228-MTB

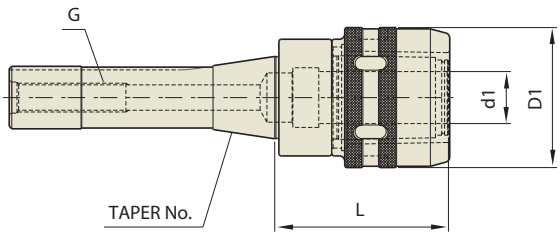
Unit : mm

TAPER No.	MODEL No.	d1	D1	L	H	K	WEIGHT (Kg)
3	MTB3-C20	20	54	74	65	M12	2.10
4	MTB4-C32	32	72	98	80	M16	2.57
5	MTB5-C32	32	72	85	100	M20	3.06
	MTB5-C42	42	92	114	100	M20	3.45

▶ For applicable collet and spanner, please refer to page 154.

POWER MILLING CHUCK

FRÄSERSPANNFUTTER
MANDRIN PORTE FRAISE
MANDRINI PORTA FRESA
PORTAHERRAMIENTAS PARA FRESADO



■ BRIDGEPORT-R8

Unit : mm

TAPER No.	MODEL No.	d1	D1	L	G	WEIGHT (Kg)
R8	**R8-C20**	20	54	69	U7/16-20	1.40

MILLING CHUCK STANDARD SET

C

GEGENSTÜCK FÜR FRÄSERSPANNFUTTER
ETUI AVECPORTE-FRAISE ET CLEF
CASSETTA COMPLETA DI MANDRINO, CHIAVE E PINZE
ESTUCHE CON PORTAPINZAS, PINZAS Y LLAVE

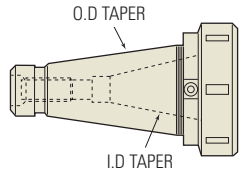
TAPER	STANDARD SET MODEL No.	MILLING CHUCK	END MILL COLLET
SK	**SSK40-C20**	SK40-C20-105	K20-6, 8, 10, 12, 16 (5pcs)
	SSK40-C32	SK40-C32-105	K32-6, 8, 10, 12, 16, 20, 25 (7pcs)
	SSK50-C32	SK50-C32-105	K32-6, 8, 10, 12, 16, 20, 25 (7pcs)
	SSK50-C42	SK50-C42-115	K42-6, 8, 10, 12, 16, 20, 25, 32 (8pcs)
BT	**SBT40-C20**	BT40-C20-105	K20-6, 8, 10, 12, 16 (5pcs)
	SBT40-C32	BT40-C32-105	K32-6, 8, 10, 12, 16, 20, 25 (7pcs)
	SBT50-C32	BT50-C32-105	K32-6, 8, 10, 12, 16, 20, 25 (7pcs)
	SBT50-C42	BT50-C42-115	K42-6, 8, 10, 12, 16, 20, 25, 32 (8pcs)
ISO	**SISO40-C20**	ISO40-C20-78	K20-6, 8, 10, 12, 16 (5pcs)
	SISO40-C32	ISO40-C32-78	K32-6, 8, 10, 12, 16, 20, 25 (7pcs)
	SISO50-C32	ISO50-C32-85	K32-6, 8, 10, 12, 16, 20, 25 (7pcs)
	SISO50-C42	ISO50-C42-102	K42-6, 8, 10, 12, 16, 20, 25, 32 (8pcs)
NT	**SNT40-C32**	NT40-C32	K32-6, 8, 10, 12, 16, 20, 25 (7pcs)
	SNT50-C32	NT50-C32	K32-6, 8, 10, 12, 16, 20, 25 (7pcs)
	SNT50-C42	NT50-C42	K42-6, 8, 10, 12, 16, 20, 25, 32 (8pcs)

QUICK CHANGE MILLING CHUCK SET

MH

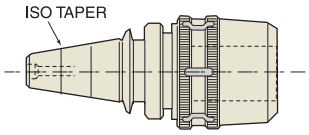
SCHNELLWECHSEL GEGENSTÜCK FÜR FRÄSERSPANNFUTTER
CHANGEMENT RAPIDE ETUI AVECPORTE-FRAISE ET CLEF
CAMBIO RAPIDO CASSETTA COMPLETA DI MANDRINO, CHIAVE E PINZE
CAMBIO RAPIDO ESTUCHE CON PORTAPINZAS, PINZAS Y LLAVE

TAPER	Q.C MILLING HOLDER SET MODEL No.	Q.C MASTER HOLDER	Q.C MILLING CHUCK	END MILL COLLETS	Q.C FACE MILL ARBOR	Q.C DRILL CHUCK BAR	DRILL CHUCK ARBOR	Q.C TAPER SLEEVE
NT40	**SMH40-T35-32A**	MH40-T35	QT35-32	K32-(6-25)(7pcs)	QT35-4R	-	K32-J6	-
	SMH40-T35-32B	MH40-T35	QT35-32	K32-(6-25)(7pcs)	QT35-4R	QT35-J6	-	QT35-MT2, 3, 4
NT50	**SMH50-T45-32A**	MH50-T45	QT45-32	K32-(6-25)(7pcs)	QT45-5R	-	K32-J6	-
	SMH50-T45-32B	MH50-T45	QT45-32	K32-(6-25)(7pcs)	QT45-5R	QT45-J6	-	QT45-MT2, 3, 4
	SMH50-T45-42A	MH50-T45	QT45-42	K42-(6-32)(8pcs)	QT45-5R	-	K42-J6	-
	SMH50-T45-42B	MH50-T45	QT45-42	K42-(6-32)(8pcs)	QT45-5R	QT45-J6	-	QT45-MT2, 3, 4



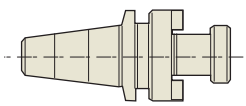
◆ Q.C MASTER HOLDER

MODEL No.	O.D TAPER	I.D TAPER	DRAW THREADS
MH40-T35	NT40	NT35	U5/8-11(M16-2)
MH50-T45	NT50	NT45	U1-8 (M24-3)



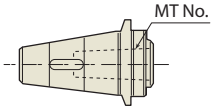
◆ Q.C MILLING CHUCK

Q.C MASTER HOLDER	MODEL No.
MH40	QT35-C32
MH50	QT45-C32
MH50	QT45-C42



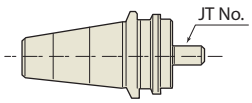
◆ Q.C FACE MILL ARBOR

Q.C MASTER HOLDER	MODEL No.
MH40	QT35-3, 4, 5R
MH50	QT45-3, 4, 5, 6R



◆ Q.C TAPER SLEEVE

Q.C MASTER HOLDER	MODEL No.
MH40	QT35-MT1, 2, 3
MH50	QT45-MT1, 2, 3, 4



◆ Q.C DRILL CHUCK ARBOR

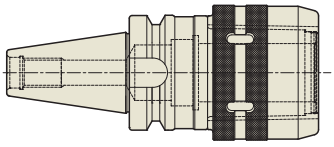
Q.C MASTER HOLDER	MODEL No.	DRILL (Ø)
MH40	QT35-J6	1-13mm
MH50	QT45-J6	1-13mm

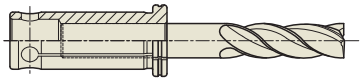
COLLET & SPANNER

K/CK/MT/SP

■ END MILL COLLET (K TYPE)

MODEL No.	SET
K20-6, 8, 10, 12, 16	5pcs
K25-6, 8, 10, 12, 16, 20	6pcs
K32-6, 8, 10, 12, 16, 20, 25	7pcs
K42-6, 8, 10, 12, 16, 20, 25, 32	8pcs





■ END MILL COLLET (CK TYPE)

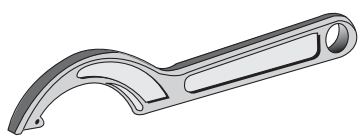
MODEL No.	SET
CK20-6, 8, 10, 12, 16	5pcs
CK25-6, 8, 10, 12, 16, 20	6pcs
CK32-6, 8, 10, 12, 16, 20, 25	7pcs
CK42-6, 8, 10, 12, 16, 20, 25, 32	8pcs

■ MT COLLET

MODEL No.
K20-MT1, 2
K25-MT1, 2, 3
K32-MT1, 2, 3
K42-MT1, 2, 3, 4

■ DRILL CHUCK ARBOR

MODEL No.
K20-JTA6
K25-JTA6
K32-JTA6
K42-JTA6



■ SPANNER

MODEL No.
C20 SP
C25 SP
C32 SP
C42 SP