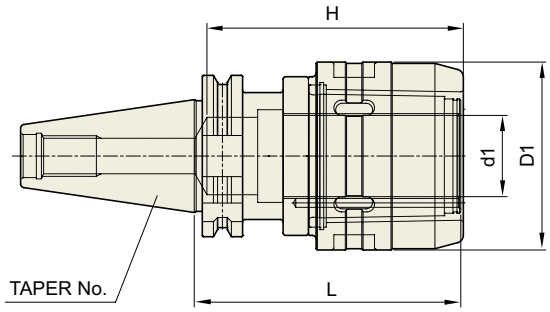
POWER MILLING CHUCK

C

HIGH-SPEED POWER MILLING CHUCK

DIN 69871-SK

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



DIN 69871-SK | AT3 | 6.3G | 20,000 RPM | AD

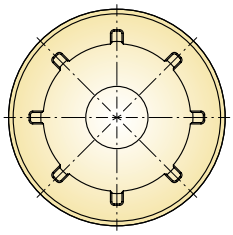
Collet, spanner
Refer to page 176

Unit : mm

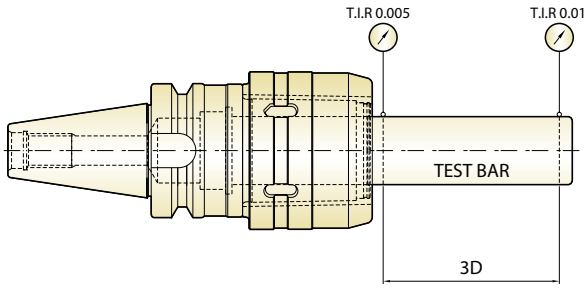
TAPER No.	MODEL No.	EDP No.	d1	D1	L	H	WEIGHT (kg)
30	SK30-C20-80HS	P2773005	20	54	80	70	1.15
	SK30-C25-80HS	P2773006	25	62.5	70	80	1.48
40	SK40-C20-105HS	P2526022	20	54	105	70	1.77
	SK40-C25-105HS	P2773001	25	62.5	105	80	2.10
	SK40-C32-105HS	P2526023	32	74	105	100	2.40
	SK40-C32-135HS	P2773007	32	74	135	100	3.10
50	SK50-C20-105HS	P2773002	20	54	105	70	3.40
	SK50-C25-105HS	P2773003	25	62.5	105	80	3.80
	SK50-C32-105HS	P2773004	32	74	105	100	4.30
	SK50-C32-135HS	P2526024	32	74	135	100	4.90
	SK50-C32-165HS	P2526025	32	74	165	100	5.60
	SK50-C42-115HS	P2773008	42	92	115	110	4.60
	SK50-C42-135HS	P2773009	42	92	135	110	5.60
	SK50-C42-165HS	P2773010	42	92	165	110	6.10

▶ CAT(ANSI B5.50) taper and Inch type products are available.

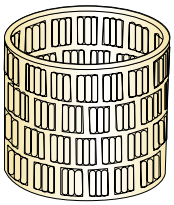
POWER MILLING CHUCK



- 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, YG-1 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

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

TECHNICAL DATA : SHANK STANDARD

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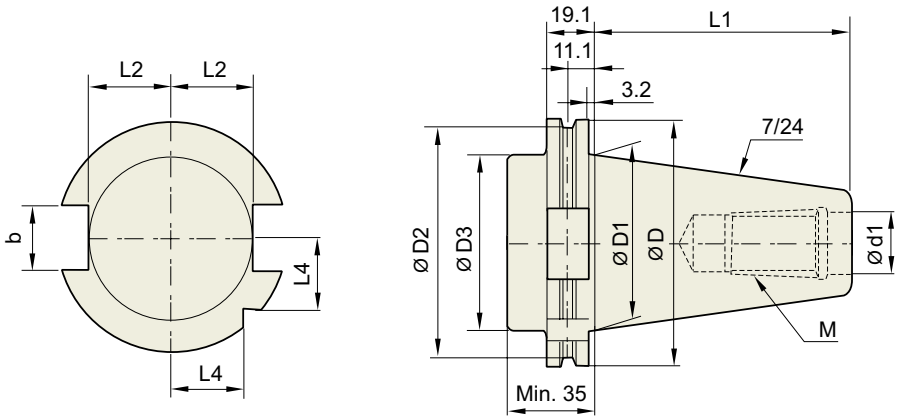
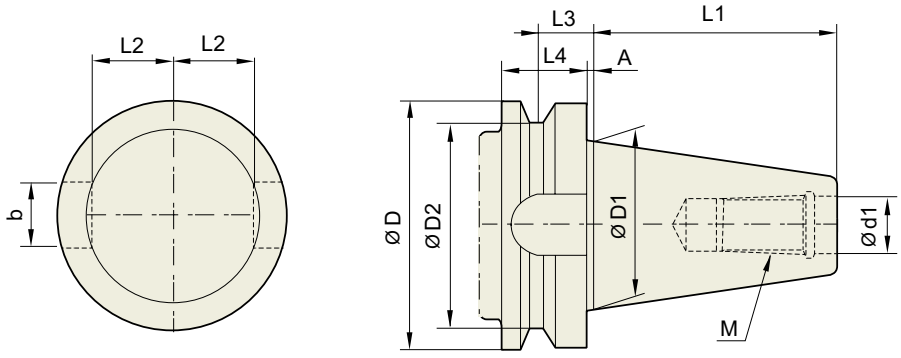


Unit : mm

TAPER No.	ØD	ØD1	ØD2	ØD3	Ød1	L1	L2	L3	L4	b	M
SK30	50	31.75	44.3	45	13	47.8	16.4	19	15	16.1	M12×1.75
SK40	63.55	44.45	56.25	50	17	68.4	22.8	25	18.5	16.1	M16×2.0
SK50	97.5	69.85	91.25	80	25	101.75	35.5	37.7	30	25.7	M24×3.0

JIS B6339/ MAS 403-BT



Unit : mm

TAPER No.	ØD	ØD1	ØD2	Ød13.	L1	L2	L3	L4	A	b	M
BT30	46	31.75	38	12.5	48.4	16.3	13.6	20	2	16.1	M12×1.75
BT40	63	44.45	53	17	65.4	22.6	16.6	25	2	16.1	M16×2
BT50	100	69.85	85	25	101.8	35.4	23.2	35	3	25.7	M24×3
BT60	155	107.95	135	31	161.8	60.1	28.2	45	3	25.7	M30×3.5

Model Numbering System

BT	40	AD/B	ER	16	70
Shank type	Shank size	Coolant Supplying System	Product name	Tool Holder I.D = Tool Shank O.D	"Gauge Line" Length and Other Spec.

Surface Finish

Shot Peened	Black Oxidized	Bright Finish	Anti Rust Treated