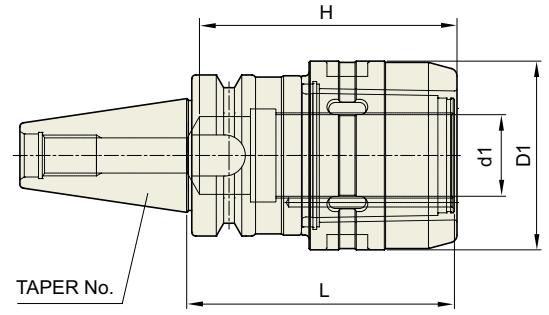


HIGH-SPEED POWER MILLING CHUCK

CBT (BT DUAL CONTACT)

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



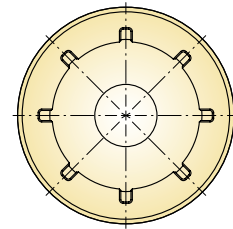
Collet, spanner
 Refer to page 176

							Unit : mm
TAPER No.	MODEL No.	EDP No.	d1	D1	L	H	WEIGHT (kg)
30	CBT30-C20-75HS	P2773251	20	54	75	70	1.50
	CBT30-C25-80HS	P2773252	25	62.5	80	70	2.00
40	CBT40-C20-80HS	P2773253	20	54	80	70	2.00
	CBT40-C20-105HS	P2773254	20	54	105	70	2.10
	CBT40-C25-105HS	P2773255	25	62.5	105	80	2.50
	CBT40-C32-90HS	P2773256	32	74	90	100	3.00
	CBT40-C32-105HS	P2773257	32	74	105	100	3.10
	CBT40-C32-135HS	P2773258	32	74	135	100	3.30
50	CBT50-C20-105HS	P2773259	20	54	105	70	4.50
	CBT50-C20-135HS	P2773260	20	54	135	70	4.90
	CBT50-C20-165HS	P2773261	20	54	165	70	5.40
	CBT50-C25-105HS	P2773262	25	62.5	105	80	5.20
	CBT50-C25-135HS	P2773263	25	62.5	135	80	5.80
	CBT50-C25-165HS	P2773264	25	62.5	165	80	6.20
	CBT50-C32-105HS	P2773265	32	74	105	100	6.00
	CBT50-C32-135HS	P2773266	32	74	135	100	6.70
	CBT50-C32-165HS	P2773267	32	74	165	100	7.40
	CBT50-C42-115HS	P2773268	42	92	115	110	6.70
CBT50-C42-135HS	P2773269	42	92	135	110	7.60	
CBT50-C42-165HS	P2773270	42	92	165	110	8.30	

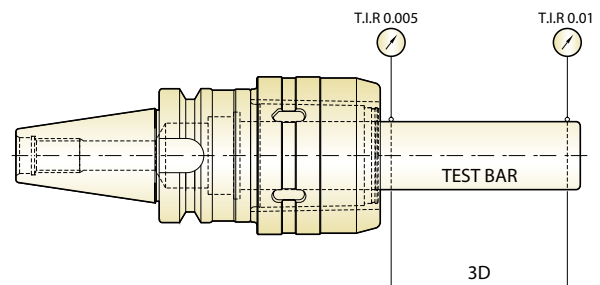
POWER MILLING CHUCK



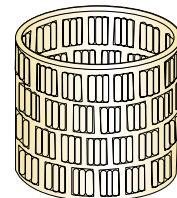
- Rigidity is strengthened through slot made at inside milling chuck, which prevents deformation of milling chuck. Smooth cutting is achieved by maximizing end mill clamping power.
- Enough thickness of clamping part prevents chattering and ensures durability.



- 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) treatment 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



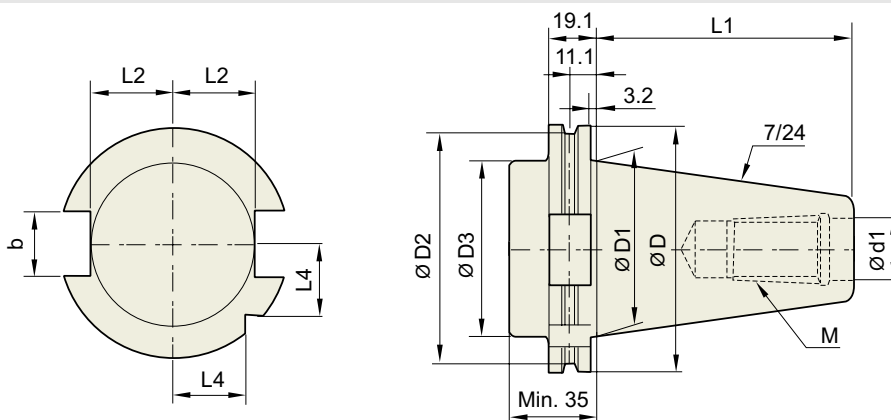
Strong Torque Power

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

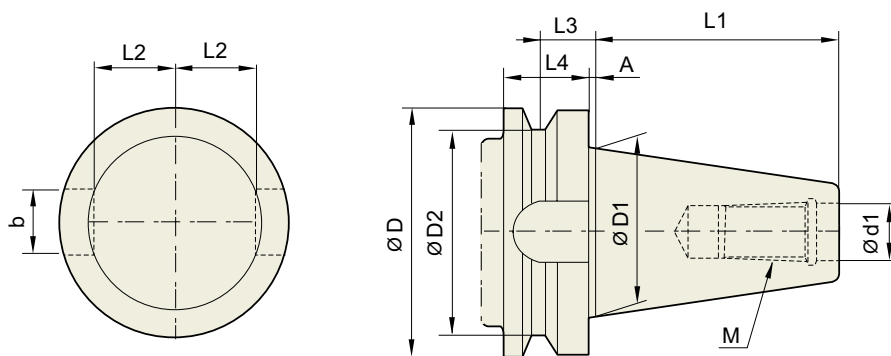
DIN 69871-SK



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

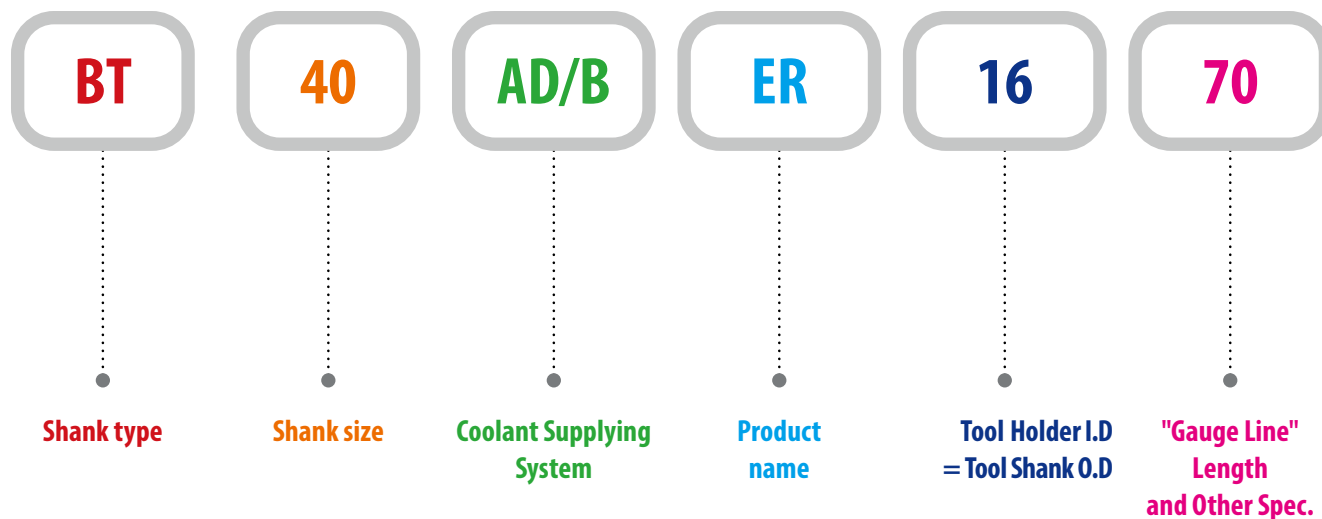


Unit : mm

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 & SURFACE FINISH

Model Numbering System



Surface Finish

