

用于机床主轴维修 测试棒

For machine spindle maintenance TEST BAR CHECKMATE

加工前轻松简单测量机床主轴跳动
保证高精度加工

- 重量轻，镂空的设计使测试棒更易于使用
- 适合设置Z轴的原点
- 价格合理

Ideal for checking machine spindle run-out
accuracy easily before machining.

- Light-weight, hollow design makes it easy to use
- Ideal for setting Z axis datum
- Reasonable price



本体标志着测量值

长度

直径

圆跳动公差

刻度圈



The actual measurement values
are marked on the body.

Length

Diameter

Runout accuracy

Phase of run-out

简易CMA型

平衡校正 (可选)
在G2.5/30000min⁻¹以下可测量动态精度

Handy CMA type

Allows you to check the dynamic accuracy
thanks to optional balance adjustment to
achieve less than G2.5 at 30,000min⁻¹.

专业版CMB型

可以测量Z轴移动精度

Full-fledged CMB type

Z-axis deflection and spindle travel
accuracy can be measured.



测试棒特征 Features of TEST BAR CHECKMATE

可以准确的识别出跳动精度

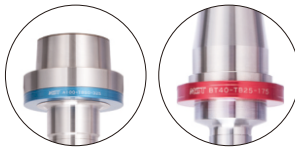
根据本体标记的跳动公差及跳动角度能准确测量



You can recognize the exact run-out accuracy and the highest run-out of the spindle. You can check the spindle condition more precisely using the run-out value and position marked on the body.

能安装在各型号主轴上

主轴测试棒可以任意角度装入机床主轴因此更简易测量出主轴跳动精度



No drive key ways.

It can be installed into the spindle in every phase. Easy measuring of run-out accuracy because it can be installed into the spindle at any phase.

可靠！通过检查记录表

- 跳动
- 长度
- 直径
- 圆柱度
- 圆度

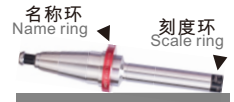


Reliable! The inspection sheet comes with the test bar.

- Run-out
- Length
- Diameter
- Cylindricity
- Roundness

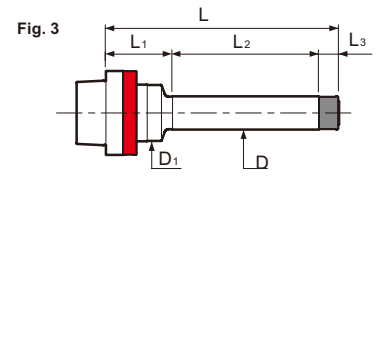
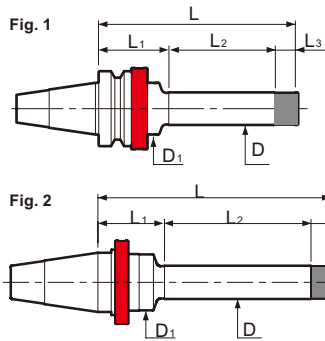
名称环与刻度环避免测量轴刮伤

水平置放的情况下测量轴不会接触到台面



The name ring and scale ring protect it from scratches and dents.

The taper area and straight area do not touch the table surface even if they are placed horizontally.



编码		图	ΦD	ΦD	L	L1	L2	L3	Kg			
BT/CAT./DIN兼用 For both BT/CAT./DIN	NT 30 -CMA20-125	1	20	32	125	45	65	15	0.7			
	NT 40 -CMA25-175	2	25	42	175	50	110		1.3			
	NT 50 -CMA30-225		30	53	225	65	145		3.5			
	NT 30 -CMB30-175	1	30	32	175	45	115	15	1.0			
	NT 40 -CMB40-325	2	40	42	325		265		2.8			
	NT 50 -CMB50-325		50	53		60	250		5.7			
HSK-A, HSK-E通用 For both HSK-A and HSK-E	HSK 32 -CMA20-125	3	20	26	125	35	75	15	0.4			
	HSK 40 -CMA20-125			32		45	65		0.5			
	HSK 50 -CMA25-175			25		42	175		50	110	1.0	
	HSK 63 -CMA25-175								1.2			
	HSK 80 -CMA30-225		30	53	225	65	145		2.2			
	HSK 100 -CMA30-225								3.0			
	HSK 125 -CMA30-225								4.1			
	HSK 32 -CMB30-175	3	25	26	175	35	125	15	0.7			
	HSK 40 -CMB40-175			30		32	40		120	0.9		
	HSK 50 -CMB40-225			40		42	225		45	165	1.8	
	HSK 63 -CMB40-325						325			265	2.7	
	HSK 80 -CMB50-325					50	53			60	250	4.4
	HSK 100 -CMB50-325											5.2
	HSK 125 -CMB50-325											6.3
HSK-F专用 Exclusive use for HSK-F	HSK 63F -CMA25-175	3	25	42	175	50	110	15	1.2			
	HSK 80F -CMA30-225			30		53	225		65	145	2.3	
	HSK 63F -CMB40-325			40		42	325		45	265	2.7	
	HSK 80F -CMB50-325			50		53			60	250	4.5	

标准附属品

- 精度检验表

选购品

- 拉钉(CAT./DIN)平衡校正(CMA型)G2.5/3000min-1以下
- 订货号请在编号后面加上BL(例:NT40-CMA25-175BL)

备考

- NT型可兼用于BT/CAT./DIN类型主轴
- HSK型可兼用于HSK-A及HSK-E类型主轴
- HSK-F型专用于HSK-F类型主轴

注意事项

- BT主轴可用市场上的拉钉。
- CAT./DIN主轴需用专用拉钉,不能用市场上普通拉钉,详情请咨询我司。
- NT30只可以安装在0度和180度上。
- 不能自动换刀(除NT30外)。

Standard accessories

- Accuracy inspection sheet

Option

- Coolant duct(HSK-A)
- Special retention knob(CAT./DIN) Balance adjustment (only for CMA type) G2.5 less than/3000min-1
- Please order by adding "BL" to the end of the code. (Ex.HSK63-CMA25-175BL)

Note

- NT type is available for BT/CAT. and DIN spindle by changing the retention knob.
- HSK type is available for both HSK-A and HSK-E spindles.
- HSK-F type is available only for HSK-F spindle.

Caution

- Use a market standard retention knob for the BT spindle.
- A special design retention knob is required for CAT./DI spindle. A market standard retention knob for ANSI/DIN/ISO is not available. Contact MST for details.
- NT30 type can be installed into a spindle at 0and 180.
- A.T.C is not available. (except for NT30)

专用拉钉 Exclusive retention knob

页码	刀柄 Shank
P-576	CAT.40
P-575	CAT.50
P-578	DIN40
P-577	DIN50