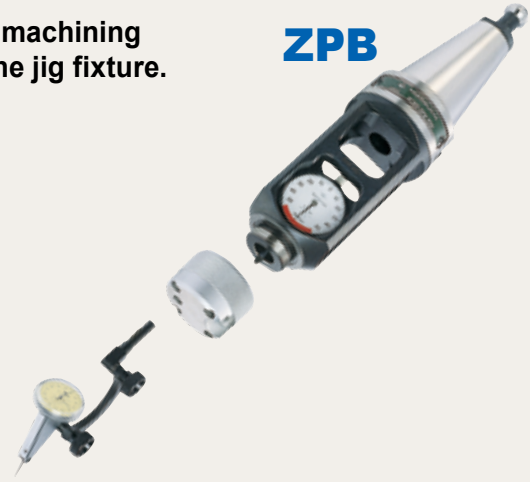
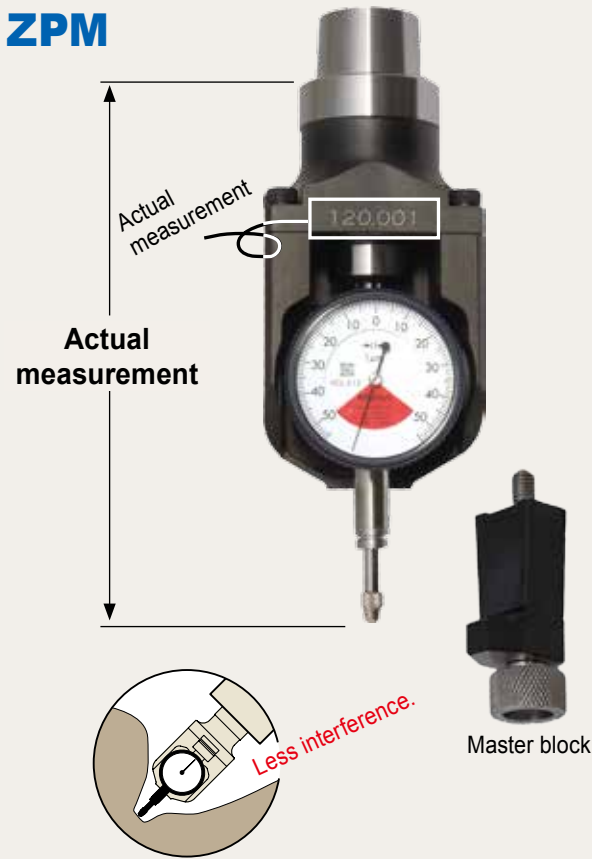


Easy and accurate Z-axis origin setting!

▷ It is easy to accurately set the Z-axis origin of the machining center, the reference surface of work-piece, and the jig fixture.

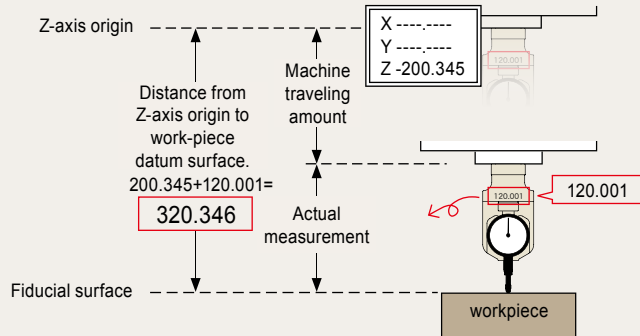
ZPB

ZPM



Measuring steps are easy.

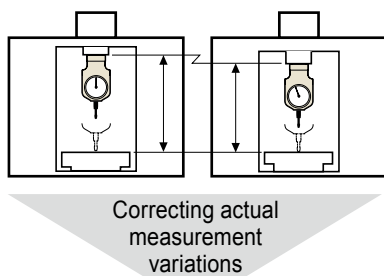
Accurate measuring of the distance from the Z-axis origin to the reference surface of the work-piece and jig fixture is easy.



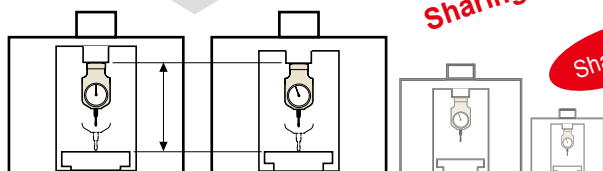
Available for using 5-axis machine.

Sharable Z-axis origin for several machining centers

After measuring the distance from the Z-axis origin to the table surface of each machining center and correcting any variations, multiple machining centers can share the tool holders and programming.

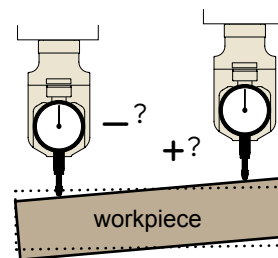


Sharing tool holders
No need to measure all your machines
Sharing program



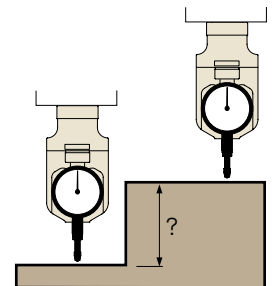
Flatness check

Precise measurement for flatness.



Step measurement

Measurement for steps on the work-piece.



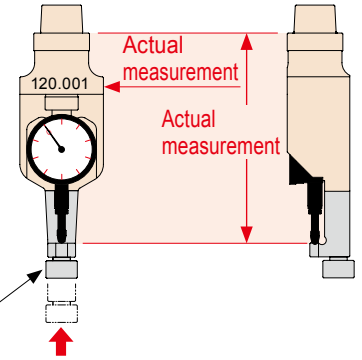
Goo Checker ZPM type (ZPM)

Thanks to its compact design, interference is reduced, making it the optimum holder for compact machining centers.



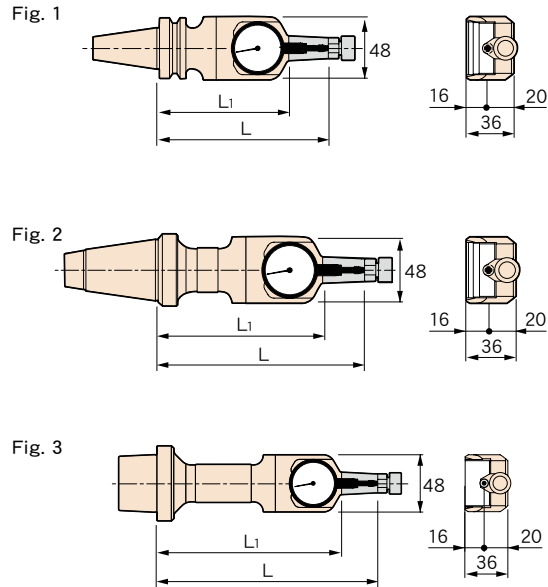
Easy confirmation of actual value (self-check function)

1. Attach the master block to the holder, and tighten the screw until it stops.
2. Adjust the dial gauge to "0".



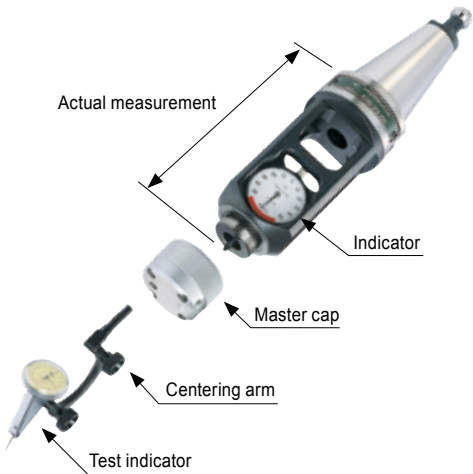
CODE	Fig.	L	L1	Kg
BT30 -ZPM-130	1	130	100	1.0
		-165	165	135
BT40 -ZPM-150	2	150	120	1.3
		-210	210	180
BT50 -ZPM-180	2	180	150	2.9
		-240	240	210
A63 -ZPM-150	3	150	120	1.2
		-210	210	180
A100 -ZPM-180	3	180	150	2.5
		-240	240	210
E32 -ZPM-120	3	120	90	0.7
		-165	165	135
E40 -ZPM-120	3	120	90	0.8
		-180	180	150
E50 -ZPM-150	3	150	120	1.0
		-195	195	165
F63 -ZPM-150	3	150	120	1.1
		-210	210	180
DN40 -ZPM-150	2	150	120	1.3
DN50 -ZPM-180	2	180	150	2.9
CT40 -ZPM-150	2	150	120	1.3
CT50 -ZPM-240	2	240	210	4.1

- Option
 - Retention knob (BT/DIN/CAT.) → P.64
- Caution
 - A.T.C is not available. (except for BT30)
- Std. Access.
 - Master block
 - Indicator, 1/ 1000 reading

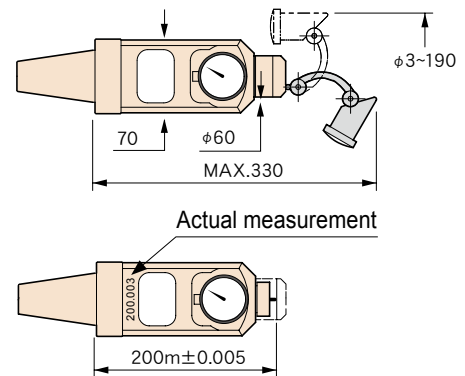


Goo Checker ZPB type (ZPB)

High reliability due to its machined solid structure



Usage example for test indicator



CODE	Kg
BT40-ZPB-200	3.3
BT50-ZPB-200	5.2

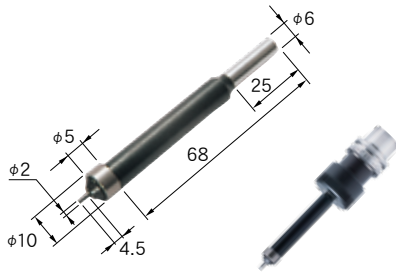
- Option
 - Retention knob → P.64
- Std. Access.
 - Indicator, 1/ 1000 reading
 - Test Indicator, 2/ 1000 reading
 - Centering arm
 - Master cap
 - Wooden box

Centering bar

To identify workpiece datum position

CODE

ST6-CEB102

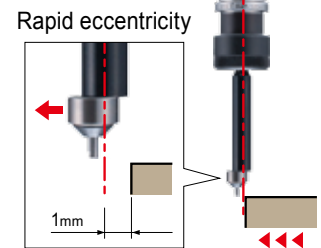
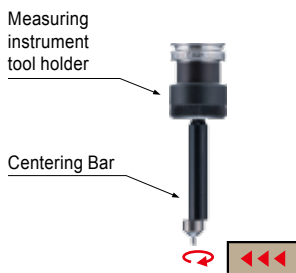


Usage

① Rotate a spindle in low-speed rotation (450~600 min^{-1})

② Contact the stylus carefully with a work-piece by micro feeding until it doesn't have a swing.

③ You can find the alignment between the machine spindle center and the work-piece edge face after the stylus moves another 1mm (the radius of dia.2mm stylus).



Measuring instrument tool holder (HSK-E25)

Use when centering a workpiece.

The spring collet (C10-6-P) and the centering bar (ST6-CEB102) are required and sold separately. Tighten nuts by hand.



CODE

E25-CEH10-37

Option

- Centering bar
- Spring collet (C10-6-P) → P.38

Caution

- Not usable for machining.