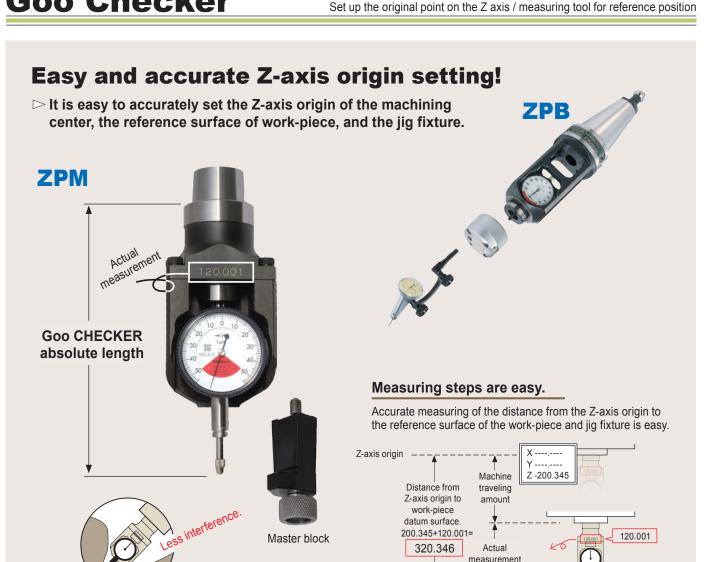
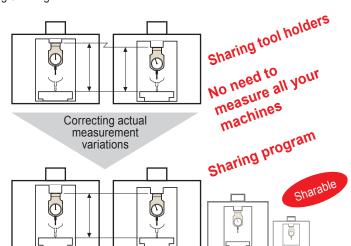
# **Goo Checker**



### Sharable Z-axis origin for several machining centers

Available for using 5-axis machine.

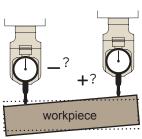
After measuring the distance from the Z-axis origin to the table surface of each machining center and correcting any variations, multiple machining centers can share the tool holders and programming



#### Flatness check

Fiducial surface

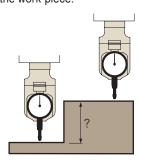
Precise measurement for flatness.



#### Step measurement

Measurement for steps on the work-piece.

workpiece



### Goo Checker ZPM type (ZPM)

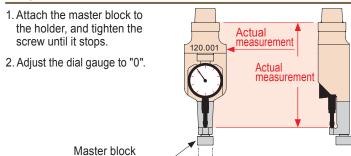
 □ Thanks to its compact design, interference is reduced, making it the optimum holder for compact machining centers.

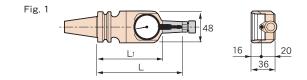


CODE	Fig.	L	L1	Kg
<b>BT30</b> -ZPM-130	1	130	100	1.0
-165		165	135	1.2
<b>BT40</b> -ZPM-150	2	150	120	1.3
-210		210	180	1.5
<b>BT50</b> -ZPM-180	2	180	150	2.9
-240		240	210	4.1
<b>A63</b> -ZPM-150	3	150	120	1.2
-210		210	180	1.5
<b>A100</b> -ZPM-180	3	180	150	2.5
-240		240	210	3.8
<b>E32</b> -ZPM-120	3	120	90	0.7
-165		165	135	1.0
<b>E40</b> -ZPM-120	3	120	90	0.8
-180		180	150	1.1
<b>E50</b> -ZPM-150	3	150	120	1.0
-195		195	165	1.3
<b>F63</b> -ZPM-150	3	150	120	1.1
-210		210	180	1.3
<b>DN40</b> -ZPM-150	2	150	120	1.3
<b>DN50</b> -ZPM-180	2	180	150	2.9
CT40-ZPM-150	2	150	120	1.3
CT50-ZPM-240	2	240	210	4.1

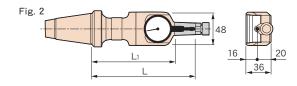
- **■**Option
- Retention knob(BT/DIN/CAT.)→P.64
- ■Std. Access.
  - Master block
  - Indicator, 1/ 1000 reading

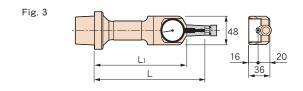
#### Easy confirmation of actual value (self-check function)





(Origin setting block)





#### ■Caution

 A.T.C is not available. (except for BT30)

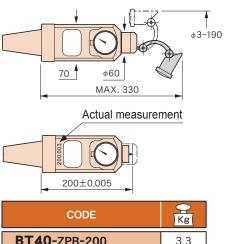
### Goo Checker ZPB type (ZPB)

**▶** High reliability due to its machined solid structure.





Usage example for test indicator

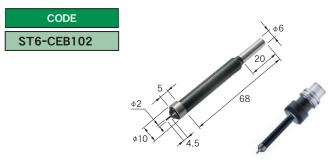


CODE	Kg
BT40-ZPB-200	3.3
BT50-ZPB-200	5.2

- ■Option
  - Retention knob→P.64
- ■Std. Access.

## **Centering bar**

To identify workpiece datum position





### 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.





- Centering bar
- Spring collet(C10-6-P)→P.38
- ■Caution
- Not usable for machining.