always better

Made in Germany

3D-TASTER

Forget your confusion about plus and minus.
No matter from which direction you approach:
the zero point is determined at the first attempt with constant and exact information on the difference value.

- High accuracy: ±0.01mm(0.004″).
- Generous overrun allowances: radial 12mm(0.47″).
- Simple and exact radial run-out compensation.
- Electrically insulated contact point, therefore also suitable for EDM machines.
- Very sturdy, dial fully integrated into the metal housing.
- Active shock-protection.
- Splash proof.
- Predetermined breading point at stylus prevents collision damages.

359600 3D-Taster	
Clamping shank	16mm, ø h6
Accuracy	0.01mm(0.004″)
Graduation of scale	0.01mm(0.004″)
Total length(with standard stylus, without clamping shank)	134mm
Dial ø	50mm(2″)

Unmistakable values indicated by single-needle system with scales in different colours.

- Radial apporach : black scale

1. The stylus touches the workpiece, the difference value spindle axis / workpiece edge can be read.

2. Zero position has been reached, spindle axis= workpiece edge: The NC-control can be set to “Zero”.

3. Over travel is safe for the stylus.

Change stylus in seconds

- Easy precision screw in mechanism.

359505 standard stylus

HAFF & SCHNEIDER

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Digigraph 3D-Taster

Features:

- High precision and linearity.
  - Suitable for measuring components.
  - Capable of measuring over the entire working range.
- Independent of machine controls.
- Very easy to read due to combined display:
  - Graphic bar for dynamic travel information.
  - Digital display gives exact measured value.
- Convenient and simple run-out adjustment.
- Large working range in all directions (x, y, z : 7 mm).
- Compact metal body and long contact point.
- Shock-resistant and splash-proof.
- Predetermined breaking point.

Application:

Precision measuring device for milling and spark erosion machines.
For determining cimponetn zero-points, measurement of lengths, bore centres and reference faces.

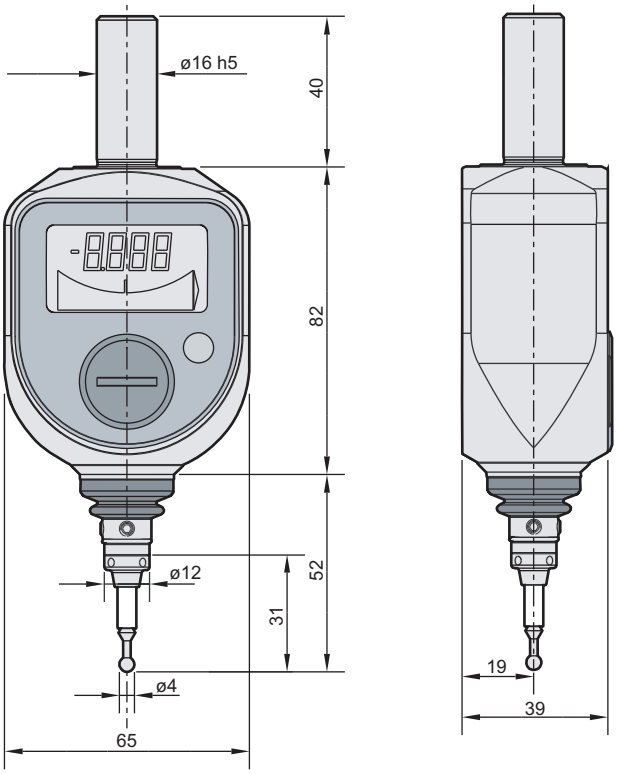
359500 3D-Taster	
Shank	16 mm
Measuring accuracy	< 0.01 mm
Reading accuracy	0.005 mm
Dislacement travel x, y, z respectively	7 mm
Diensions (body) L/W/D	82/65/39 mm
Contact point free length	52 mm
Overall length (body and contact point)	134 mm
Adjustment travel	±0.4 mm
Weight	520 g

Optional Accessory:

- Special tool requied to change stylus.

Stylus for Digigraph 3D-Taster:

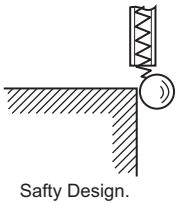
359505 standard stylus



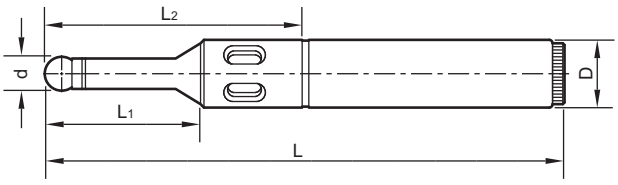
Electronic Edge Finder

For Setting Work Coordinate on Machining Centers.
Diameter of probe: ø 10 mm

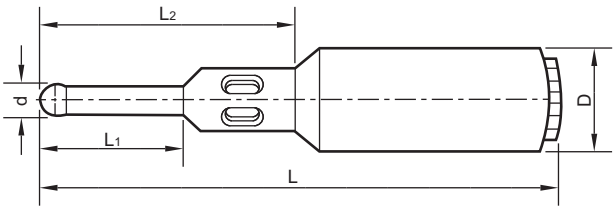
High Accuracy
Low Cost
Easy Handling
Safe


Safty Design.

SOE-20L、20LB



SOE-32L



Features:

- Accuracy of ball:±0.002 mm
- Concentricity of ball-probe and shank:0.005 mm
- Spring loaded ball-probe for preventing damage of probe.

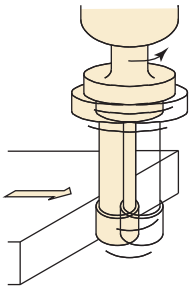
Ordering Code	Type	D	d	L	L1	L2	Beeper
302630-201	SOE-20L	20	10	158	46	77	X
-201B	-20LB	20	10	158	50	85	Beeper
-321	-32L	32	10	158	40	73	X

Rotary-Edge Finder

For Setting Work Coordinate on Machining Centers and Milling Machine.

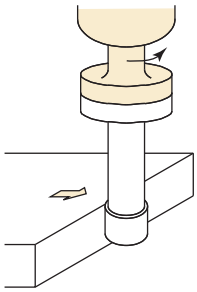
Ordering Code	Type	L	Shank	Probe
302630-301	REF-1010	82	10	10
-303	-1004	90	10	4

step1



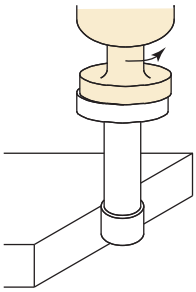
Spindle runs about 500 rpm.
Move spindle close to measuring surface.

step2



When measuring probe touches workpiece, it looks like one part.

step3



When the probe and shank are in alignment, probe will slide out of rotating center. Now, the center spindle is located 5mm away from measuring surface.