



The origin of all testers!

To approach reference surfaces or edges with a highly precise repeatability. We deliver all standard version edge finders with probe head Ø6 mm, Ø10 mm as well as the popular probe head Ø10/4 mm. Shanks are available with Ø6 mm, Ø10 mm and also Ø8 mm.

Special versions are our TIN edge finders. These are made out of antimagnetical stainless steel and are coated with a wear-resistant TIN layer.

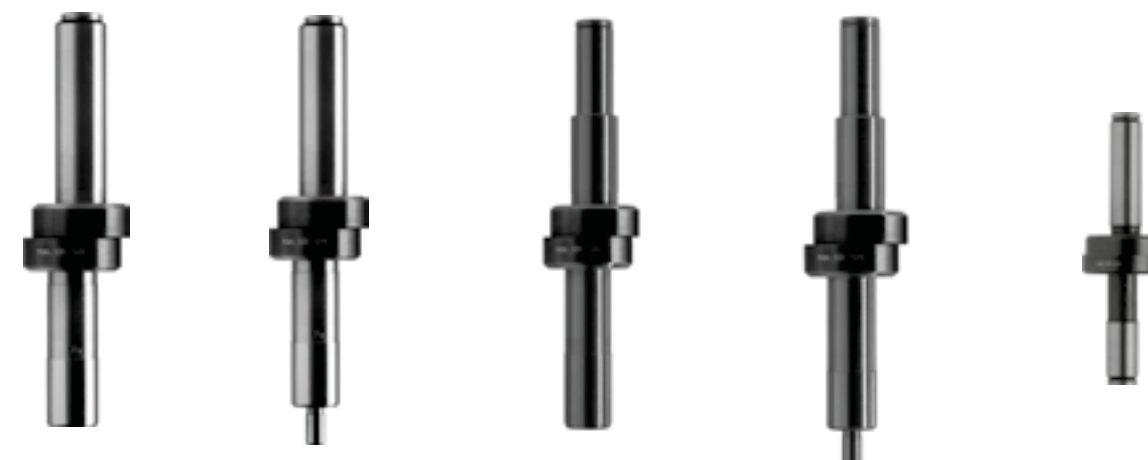
We deliver all our edge finders in a plastic case. We also offer a wooden case for storage.



1. The edge finder body can be slipt out from the axis' centre by a gentle tip of the finger and is out-of-the-round.

2. By slowly and carefully approaching the rotating edge finder to the respective reference surface, the oscillation movement steadies successively.

3. When reaching the final position, the edge finder body passes along the edge. Now, the position corresponds to the radius of the tracer.



001001000	001010400	001081000	001081400	001000600
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Standard version:

(Made in India)

The standard version is manufactured by our long-term supplier in India according to our quality standards. Here in Germany, we check the edge finders in details in our quality laboratory so that we can guarantee the unique quality of our edge finders.

Article-No.	Description	Shank	Tracer
001000600	Edge finder mech.	Ø6	Ø6
001001000	Edge finder mech.	Ø10	Ø10
001010400	Edge finder mech.	Ø10	Ø10 / Ø4
001081000	Edge finder mech.	Ø8 (Ø10)	Ø10
001081400	Edge finder mech..	Ø8 (Ø10)	Ø10



In wooden case

Standard version:

(Made in India)

Identical to the articles above but in a high-quality wooden case.

Article-No.	Description	Shank	Tracer
001000699	Edge finder (in wooden case)	Ø6	Ø6
001001099	Edge finder (in wooden case)	Ø10	Ø10
001010499	Edge finder (in wooden case)	Ø10	Ø10 / Ø4
001081099	Edge finder (in wooden case)	Ø8 (Ø10)	Ø10
001081499	Edge finder (in wooden case)	Ø8 (Ø10)	Ø10 / Ø4



TIN version:

(Made in Germany)

The TIN version is **antimagnetical** and the probe head is made out of stainless steel. The probe head is covered with a wear-resistant TIN layer.

Article-No.	Description	Shank	Tracer
001TIN010	Edge finder TIN	Ø10	Ø10
001TIN104	Edge finder TIN	Ø10	Ø10 - Ø4



Edge finders mech. spare parts

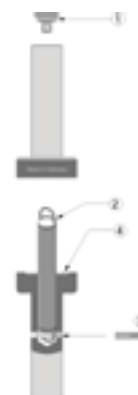
Article-No.	Description	Shank	Tracer
001Z01000	Spare spring Ø4,6 x 40 (package: 10 pc.)	Ø10 / Ø8	Ø10 / Ø10-Ø4
001Z00600	Spare spring Ø2,6 x 25 (package: 10 pc.)	Ø6	Ø6



Repair Kit:

- 1 - Cover
- 2 - Spring
- 3 - Pin
- 4 - Mounting paste

Article-No.	Description	Shank	Tracer
001K01000	Repair Kit	Ø10 / Ø8	Ø10 / Ø10-Ø4
001K00600	Repair Kit	Ø6	Ø6



Version ECO

- *low-cost*
- *Made in India*

Article-No.	Description	Shank	Tracer
0010010EP	Edge finder mech.	Ø10	Ø10
0010104EP	Edge finder mech.	Ø10	Ø10 / Ø4

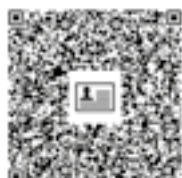


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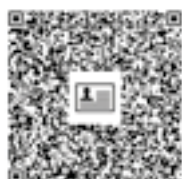
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TSCHORN[®]
Mess- und Spannmittel

Edge finders optical



precise. pioneering. worldwide.

Edge finder 3D: developed by us -
- produced only by us.



Scan me
Product video

Function:

If a conductive workpiece and the probing ball touch (within the axis X, Y and Z), the electrical circuit gets closed and a LED signal appears.

When the LED signal appears, the workpiece's edge is reached with a distance of 5 mm (= radius of probing ball Ø10).

In Z axis, the reference length has to be measured and taken into account respectively.

Probing X/Y axis

Probing X/Y axis

Pass over

Probing Z axis



Quality
with certificate

Probing accuracy ≤ 0.010 mm

3D version:
Probing in X, Y and Z



Application:

For accurate zero point determination and bore centers to the spindle with an accuracy of probing smaller than 0.010 mm.

Please note:

Protection against humidity is essential for the edge finder due to the built-in electronic components.

Delivery includes:

Edge finder with serial number and test certificate in a plastic case.



Article-No.	Description	Shank	Length	Ball	Battery
001031200	Edge finder 3D	Ø12	approx. 111 mm	Ø10	12V-Type 27A
001031600	Edge finder 3D	Ø16	approx. 111 mm	Ø10	12V-Type 23A
001032000	Edge finder 3D	Ø20	approx. 106 mm	Ø10	12V-Type 23A
001032500	Edge finder 3D	Ø25	approx. 116 mm	Ø10	12V-Type 23A
00103M200	Edge finder 3D	MK2	approx. 146 mm	Ø10	12V-Type 27A



Edge finder optical 3D in wooden case

Article-No.	Description	Shank	Length	Ball	Battery
001031299	Edge finder 3D	Ø12	approx. 111 mm	Ø10	12V-Type 27A
001031699	Edge finder 3D	Ø16	approx. 111 mm	Ø10	12V-Type 23A
001032099	Edge finder 3D	Ø20	approx. 106 mm	Ø10	12V-Type 23A
001032599	Edge finder 3D	Ø25	approx. 116 mm	Ø10	12V-Type 23A



Quality
with certificate

Probing accuracy $\leq 0.005 \text{ mm}$!

3D version: !
Probing in X, Y and Z



Scan me
Product video



Application:
Our 3D precision probe is a highly precise measuring device which gives out highly precise three dimensional probing results on metal-cutting machines.

Accuracy:
Within all three axis, the accuracy of probing is smaller than $0.005 \mu\text{m}$.

Please note:
Protection against humidity is essential for the edge finder due to the built-in electronic components.

Delivery includes:
3D precision probe with serial number and test certificate in a plastic case (for clean storage).

Article-No.	Description	Shank	Length	Ball	Battery
001532000	3D precision probe	Ø20	approx. 167 mm	Ø10	12V-Type 23A

Quality
with certificate

Probing accuracy $\leq 0.010 \text{ mm}$!

3D version: !
Probing in X, Y and Z

2D version: !
Probing in X and Y



Application:
For accurate zero point determination and bore centers to the spindle with an accuracy of probing smaller than 0.010 mm .
When you reach the position, you hear an additional acoustic signal.

Please note:
Protection against humidity is essential for the edge finder due to the built-in electronic components.

Delivery includes:
Edge finder with serial number and test certificate in a plastic case.

Article-No.	Description	Shank	Length	Ball	Battery
001122000	Edge finder 2D	Ø20	approx. 119 mm	Ø10	12V-Type 23A
001132000	Edge finder 3D	Ø20	approx. 131 mm	Ø10	12V-Type 23A



Quality
with certificate

Probing accuracy <= 0.010 mm

2D version:
Probing in X and Y

Application:
For accurate zero point determination and bore centers to the spindle with an accuracy of probing smaller than 0.010 mm.

Please note:
Protection against humidity is essential for the edge finder due to the built-in electronical components.

Delivery includes:
Edge finder with serial number and test certificate in a plastic case.

Article-No.	Description	Shank	Length	Ball	Battery
001021200	Edge finder 2D	Ø12	approx. 99 mm	Ø10	12V-Type 27A
001021600	Edge finder 2D	Ø16	appeox. 99 mm	Ø10	12V-Type 23A
001022000	Edge finder 2D	Ø20	approx. 94 mm	Ø10	12V-Type 23A
001022500	Edge finder 2D	Ø25	approx. 104 mm	Ø10	12V-Type 23A
00102M200	Edge finder 2D	MK2	approx. 133 mm	Ø10	12V-Type 27A

Article-No.	Description	Shank	Length	Ball	Battery
001021299	Edge finder 2D	Ø12	approx. 99 mm	Ø10	12V-Type 27A
001021699	Edge finder 2D	Ø16	approx. 99 mm	Ø10	12V-Type 23A
001022099	Edge finder 2D	Ø20	approx. 94 mm	Ø10	12V-Type 23A
001022599	Edge finder 2D	Ø25	approx. 104 mm	Ø10	12V-Type 23A

Version ECO

- low-cost
- Made in Germany
- no serial number
- no test certificate

Article-No.	Description	Shank	Length	Ball	Battery
0010216EP	Edge finder 2D	Ø16	approx. 99 mm	Ø10	12V-Type 23A
0010220EP	Edge finder 2D	Ø20	approx. 94 mm	Ø10	12V-Type 23A

Article-No.	Description	Volt
0011Z6000	Spare battery 23A	12V
0012Z6000	Spare battery 27A	12V

