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**TSCHORN**<sup>®</sup>  
Mess- und Spannmittel

# Edge finders optical



— precise. pioneering. worldwide. —

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



**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).

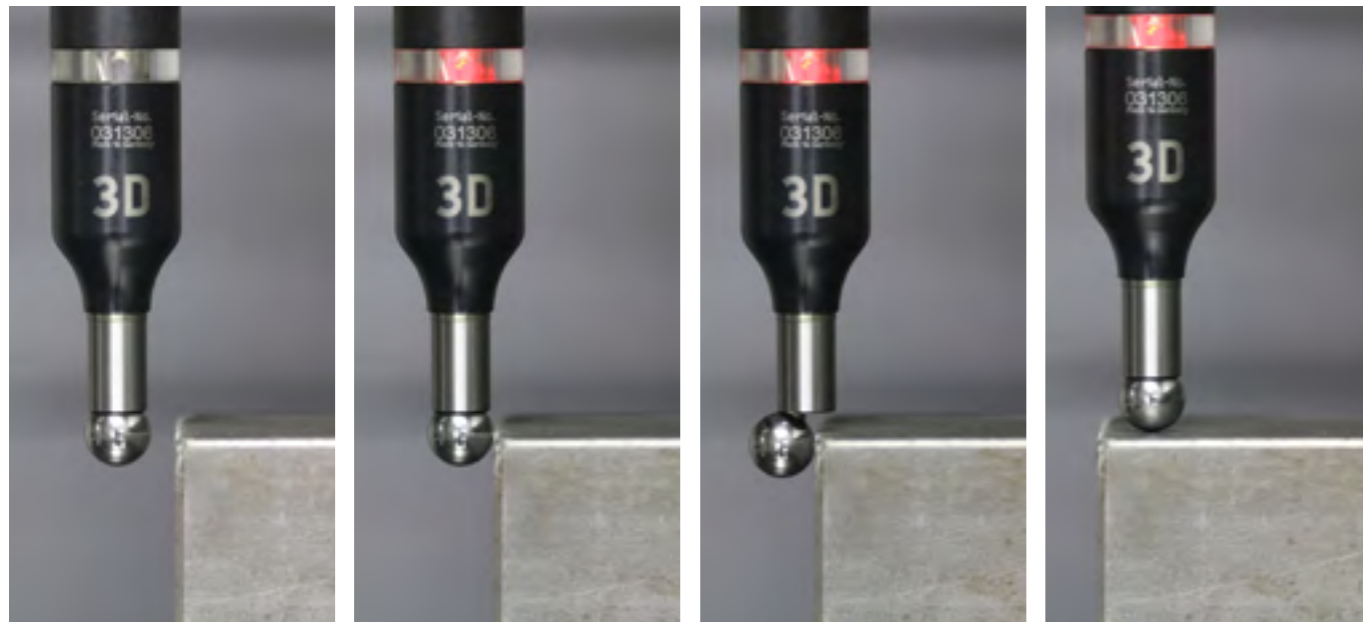
In Z axis, the reference length has to be measured and taken into account respectively.

Probing X/Y axis

Probing X/Y axis

Pass over

Probing Z axis



Probing accuracy  $\leq 0.010$  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 electrical 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



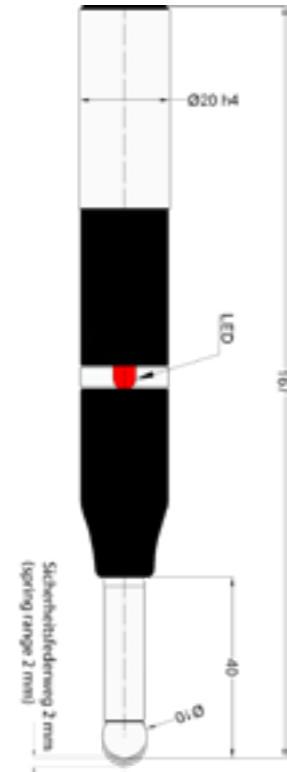
**Quality**  
with certificate

Probing accuracy  $\leq 0.005$  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  $\leq 0.010$  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  $\leq 0.010$  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 electronic 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	approx. 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

Edge finder optical 2D in wooden case

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



Spare parts

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

