

## ABC TOOLS Tracer points/edge finders

Allow for quick and easy centring by positioning the edge finder next to the piece during work, any errors are excluded even if the basic chuck (such as a drill holder chuck) has an eccentric rotation - With ground and tempered surface

**Type with caps** - Coupling shank Ø 10 mm

Alignment precision 0,01 mm - Rotation speed **400-600 revs/min**

Size	1	2
Code	<b>G 8181 0001</b>	<b>G 8181 0002</b>
<b>G 8181</b> Each €		
Tracer point head Ø mm	10	10/4*
Overall length mm	84,5	89,5

\* With 2-diameter tracer point, 4 and 10 mm



size 1

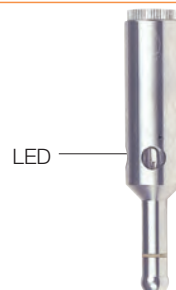
size 2

**Type with LED that turns on at the moment the tracer point sphere comes into contact with the piece**

Rotating tracer point sphere Ø 10 mm - Concentricity 0,01 mm - Coupling shank Ø 20 mm

Supplied in wooden box complete with battery

Size	3	4
Code	<b>G 8181 1003</b>	<b>G 8181 1004</b>
<b>G 8181/1</b> Each €		
Coupling shank Ø mm	20	20
Overall length mm	100	160



LED

### 3D Touch Probe - Made in Germany

For use on all CNC machines, work centres and EDH electro-erosion machines (in both vertical and horizontal positions)

Suitable for quick zero setting in all three axes (x, y and z), zero setting on the piece to be worked, measuring length and height of the piece to be worked, finding the centre of the hole, establishing and/or correcting deviations in the piece to be worked

Robust, high quality, die-cast aluminium body, with active protection against collisions by means of a special (patented) gear mechanism - Steel attachment shank Ø 16 mm h5

**Protection level IP67** (against the penetration of dust and the effects of temporary immersion)

Quick-release stem with threaded coupling, to prevent accidental falling and set to break if the limiting switch is passed in order to prevent damaging the mechanisms inside the tracer point or the piece being worked

Setting by means of 2 screws positioned at 90° to each other

With individual identification number

**Analogic type - High precision and linearity**

Large dial with adjustment screw for fine-tuned dial rotation

With single scale to read radial and axial progression

**Measurement precision ±0,01 mm**

Box dimensions LxPxh 81x57x43 mm - Tracer point shaft free length 40 mm

**Total length (with 31 mm stem) 174 mm** - Weight 400 g

Supplied complete with one stem G 8182/5, Ø sphere 4 mm

Code <b>G 8182 4000</b>	<b>G 8182/4</b>	Each €	1
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IP 67

**Digital type**

With **combined display (figures and graph)** large dimensions with figures visible from up to 2 m

**Measurement precision ±0,01 mm - Reading precision ±0,005 mm**

Setting margin ±0,4 mm

Power supplied by battery CR2032 (lifetime about 1 year)

Box dimensions LxPxh 82x65x39 mm - Tracer point shaft free length 40 mm

**Total length (with 31 mm stem) 174 mm** - Weight 520 g

Supplied complete with one stem G 8182/5, Ø sphere 4 mm **with threaded coupling**

Code <b>G 8183 0000</b>	<b>G 8183</b>	Each €	1
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IP 67

**Spare stem with threaded coupling**

Sphere diameter mm	4	6
Code	<b>G 8182 5004</b>	<b>G 8182 5006</b>
<b>G 8182/5</b> Each €		
Length mm	31	56.5



**Spare stem with conical coupling, for touch probe from previous versions**

Size	1	2	3
Code	<b>G 8182 9001</b>	<b>G 8182 9002</b>	<b>G 8182 9003</b>
<b>G 8182/9</b> Each €			
Sphere diameter mm	3	4	6
Length mm	33	46	72
Finish	short	standard	long

