



## TC76 Touch Probe



Workpiece Measurement



Tool Measurement



Hardwired



shark360 Technology



Wear-free Measuring Mechanism



Modular System



Single & Mass Production



Axes Compensation



Pulling Measurement



Tool Length Measurement



Tool Radius Measurement



Tool Breakage Detection

# Touch Probe TC76

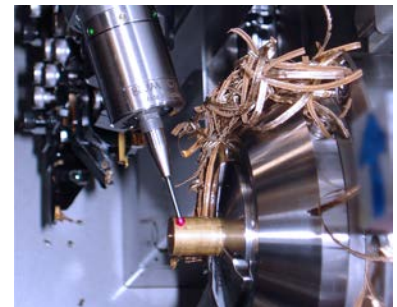
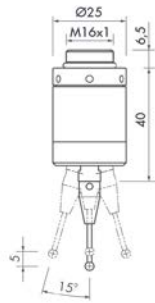
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# TC76 | Touch Probe | Tactile workpiece & tool measuring system with cable connection

## Extremely compact, hardwired touch probe with revolutionary shark360 measuring mechanism

- Workpiece measurement and tool setting in grinding, turning and milling machines
- Pulling measurement with star or offset styli
- Excentric measurements
- Compact machines



Workpiece measurement in turning centre

## Your benefit:

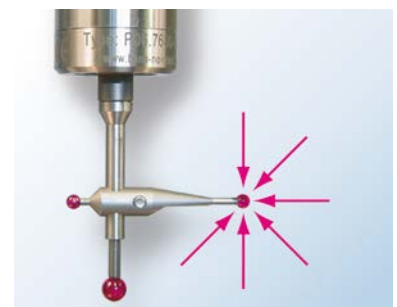
- Customized adaptations are easily developed
- Superior precision due to patented **shark360** measuring mechanism
- Measuring speed up to 2 m/min
- No-wear, optoelectronic measuring mechanism
- Precise measurement even with coolant
- High process reliability
- Proven and robust design



Workpiece measurement in grinding centre

## Accessories

A full range of TC76 accessories are available, providing optimal solutions for customer-specific applications. Choices include various styli, extensions, angle attachments, adjustable sockets and mounts and pneumatically operated covers.



Highest precision in all approach directions

## Technical data

Protection class	IP68
Approach direction	$\pm X, \pm Y, \pm Z$
Measuring force in XY   Z	1.3 N/0.9 N/0.7 N/0.5 N *   5.9 N
Measuring force (LF) in XY   Z	0.4 N/0.3 N/0.2 N/0.17 N *   2.0 N
Max. deflection in XY   Z	$\pm 15^\circ$   5 mm
Repeatability	0.4 $\mu\text{m}$ 2 $\sigma$
Max. probing speed	2 m/min

Mass 80 g

\* Stylus L = 30 mm/50 mm/75 mm/100 mm LF: Low Force



shark360 measuring mechanism enables pulling/pushing measurements in Z+/Z-

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