



## NEW HIGH PERFORMANCE MIDA TOUCH PROBES FOR CNC LATHES, MACHINING CENTERS AND FLAGGING ON GRINDING MACHINES

New high performance MIDA touch probes for tool checking, part inspection and part set-up applications on CNC lathes, machining centers and grinding machines. Reduced scrap, shorter cycle and set-up times and improved product quality are just some of the benefits to be gained.

Supported by a full range of Software Packages, MIDA offers a complete solution for every measurement application.

### Outstanding performance

**New MIDA probes** offer exceptional improved repeatability ( $2\sigma < 0,5 \mu\text{m}$ ) to meet the most demanding measurement applications.

### Rugged and reliable

**New MIDA probes** have been developed to withstand the harshest operating conditions, having been designed and tested to work over many millions cycles. Insensitive to rapid machine acceleration and vibration, new MIDA probes offer excellent protection against high-pressure coolant and chips.

### Modular system

**New MIDA probes** are compatible with the wide range of MIDA modular components, enabling systems to be configured to suit all applications.

Infra-red and radio transmission systems allow the probe to be stored in the machine ATC (Automatic Tool Changer), whilst hard-wired systems permit economic use on machines without ATC, and for table mounted applications.

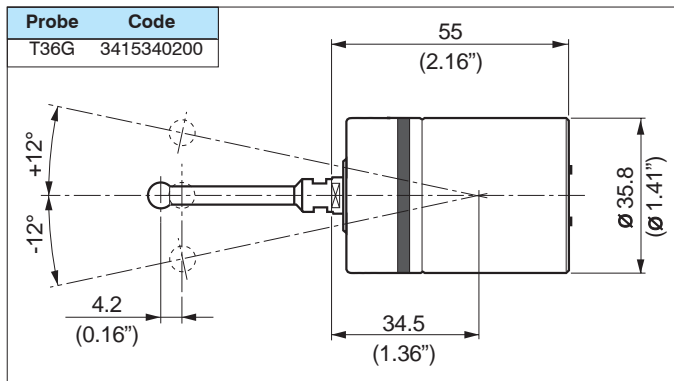
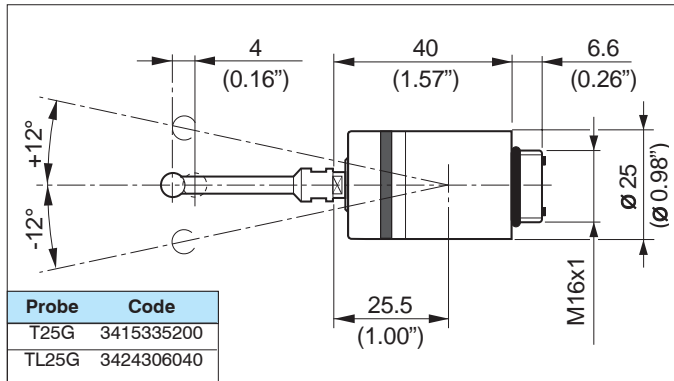
Extension bars and adaptors enable access into difficult to reach features.

### Available versions

**New MIDA probes** are available in a variety of styles to suit specific requirements such as very compact dimensions with T25 probes, very long styli for deep bore inspection, using T36, low trigger force for soft part inspection with TL25.

Any probe is available with front rubber gasket ("G" version) or shielded to provide additional external protection against hot chips and swarf on lathes ("S" version).

## Probes with rubber gasket ("G" version)



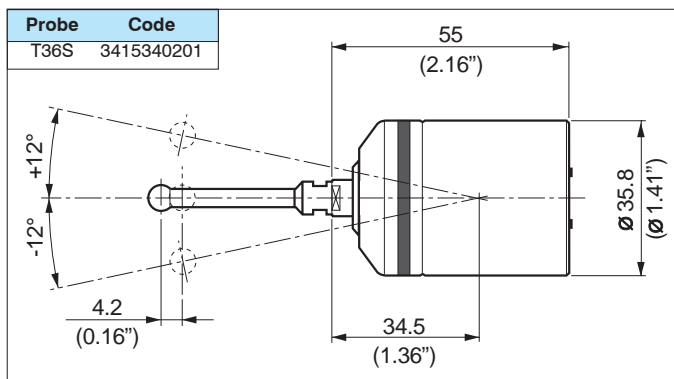
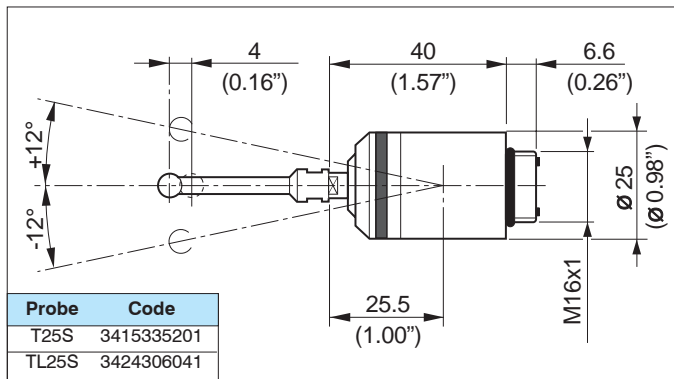
Technical Specification		
	T25G	TL25G
Unidirectional repeatability (2σ) at speed up to 600 mm/min	0,5 μm	0,5 μm
Trigger force on X, Y plane	2 N (200 gf)	0,9 N (90 gf)
Trigger force in Z direction	12 N (1200 gf)	5,5 N (550 gf)
Overtravel on X, Y plane	11,2 mm	11,2 mm
Overtravel in Z direction	4 mm	4 mm
Watertightness (IEC standards)	IP67	IP67

Above characteristics refer to a 35 mm stylus

Technical Specification	
	T36G
Unidirectional repeatability (2σ) at speed up to 600 mm/min	0,5 μm
Trigger force on X, Y plane	2,6 N (260 gf)
Trigger force in Z direction	12 N (1200 gf)
Overtravel on X, Y plane	14,4 mm
Overtravel in Z direction	4,2 mm
Watertightness (IEC standards)	IP67

Above characteristics refer to a 35 mm stylus

## Probes with metal shield ("S" version)



Technical Specification		
	T25S	TL25S
Unidirectional repeatability (2σ) at speed up to 600 mm/min	0,5 μm	0,5 μm
Trigger force on X, Y plane	2 N (200 gf)	0,9 N (90 gf)
Trigger force in Z direction	12 N (1200 gf)	5,5 N (550 gf)
Overtravel on X, Y plane	11,2 mm	11,2 mm
Overtravel in Z direction	4 mm	4 mm
Watertightness (IEC standards)	IP67	IP67

Above characteristics refer to a 35 mm stylus

Technical Specification	
	T36S
Unidirectional repeatability (2σ) at speed up to 600 mm/min	0,5 μm
Trigger force on X, Y plane	2,6 N (260 gf)
Trigger force in Z direction	12 N (1200 gf)
Overtravel on X, Y plane	14,4 mm
Overtravel in Z direction	4,2 mm
Watertightness (IEC standards)	IP67

Above characteristics refer to a 35 mm stylus



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