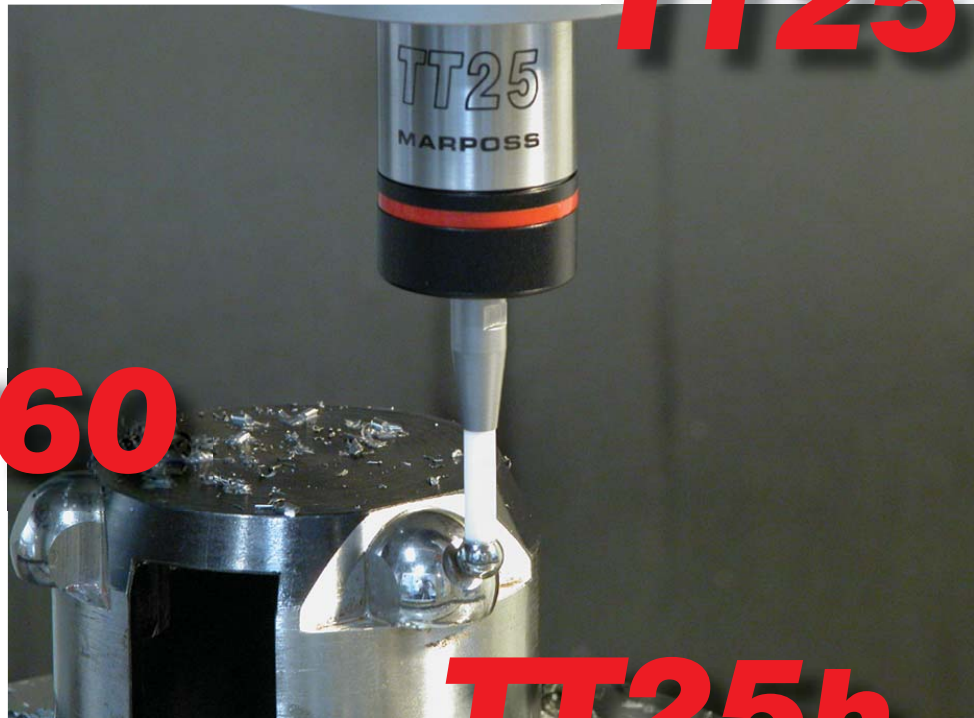




# TT25

# TT60



# TT25h

## **TOUCH PROBES FOR 3D MEASUREMENTS ON MILLING MACHINES, SHARPENERS AND GRINDING MACHINES**

The Mida product line includes a range of touch probes designed for use on machines which require 3D measurement.

### **Optimum spatial isotropy**

MIDA TT probes have excellent spatial isotropy performance combined with a high level of repeatability. This allows accurate 3D measurements of complex surfaces to be obtained, typically of machining of dies, shells, turbines, etc. on milling machines.

These characteristics are also particularly useful in applications involving angled part on tool sharpeners and gear grinders.

### **Flexible**

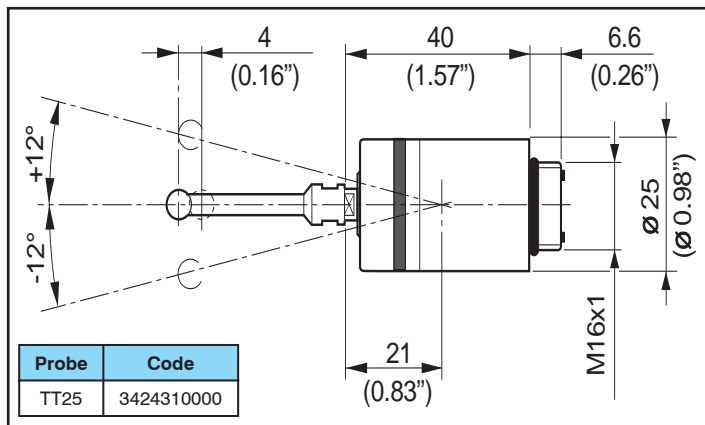
MIDA TT probes are compatible with all components in the modular Mida range, enabling optimum configuration for each applications. The front gasket, made from fabric-finished rubber, provides excellent protection inside the harsh working environment.

The TT25h probe is a high trigger pressure version of the TT25, allowing the use of complex or heavy-duty styli, particularly when there are high levels of vibration in the machine.

The TT60 probe, with its long overtravel, is suitable for use on large milling and boring machines. The operating range of this probe provides solutions in applications where long styli are required.

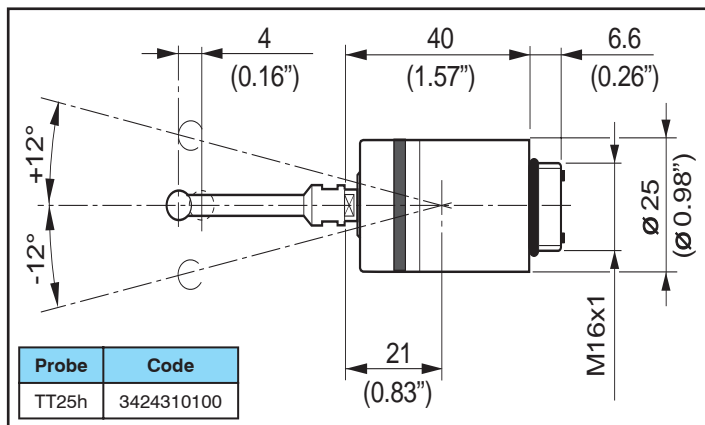


## Probes with rubber gasket



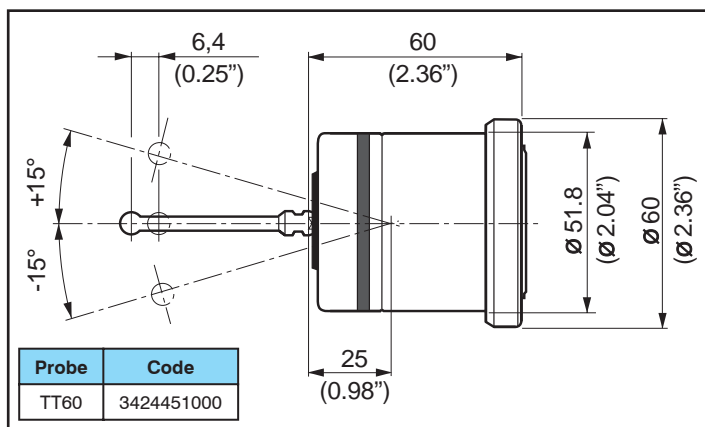
Technical Specifications	
	TT25
Unidirectional repeatability (2 $\sigma$ ) at speed up to 600 mm/min	1 $\mu$ m
Trigger force on X,Y plane	0,5 $\div$ 0,95 N (50 $\div$ 95 gf)
Trigger force in Z direction	5,8 N (580 gf)
Overtravel on X,Y plane	11,6 mm
Overtravel in Z direction	4 mm
Watertightness (IEC standards)	IP67

Above characteristics refer to a 35 mm stylus and trigger force at factory settings



Technical Specifications	
	TT25h
Unidirectional repeatability (2 $\sigma$ ) at speed up to 600 mm/min	2 $\mu$ m
Trigger force on X,Y plane	0,9 $\div$ 1,75 N (90 $\div$ 175 gf)
Trigger force in Z direction	10,8 N (1080 gf)
Overtravel on X,Y plane	11,6 mm
Overtravel in Z direction	4 mm
Watertightness (IEC standards)	IP67

Above characteristics refer to a 35 mm stylus



Technical Specifications	
	TT60
Unidirectional repeatability (2 $\sigma$ ) at speed up to 600 mm/min	1 $\mu$ m
Trigger force on X,Y plane	0,7 $\div$ 1,2 N (70 $\div$ 120 gf)
Trigger force in Z direction	5,8 N (580 gf)
Overtravel on X,Y plane	19 mm
Overtravel in Z direction	6,4 mm
Watertightness (IEC standards)	IP67

Above characteristics refer to a 50 mm stylus



**MARPOSS**  
www.marposs.com

For a full list of address locations, please consult the Marposs official website

D6C02200G0 - Edition 05/2005 - Specifications are subject to modifications  
© Copyright 2004-2005 MARPOSS S.p.A. (Italy) - All rights reserved.

MARPOSS, ® and Marposs product names/signs mentioned or shown herein are registered trademarks or trademarks of Marposs in the United States and other countries. The rights, if any, of third parties on trademarks or registered trademarks mentioned in the present publication are acknowledged to the respective owners.

Marposs has an integrated system to manage the Company quality, the environment and safety, attested by ISO 9001, ISO 14001 and OHSAS 18001 certifications. Marposs has further been qualified EAQF 94 and has obtained the Q1-Award.

