

TS 440 and TS 640

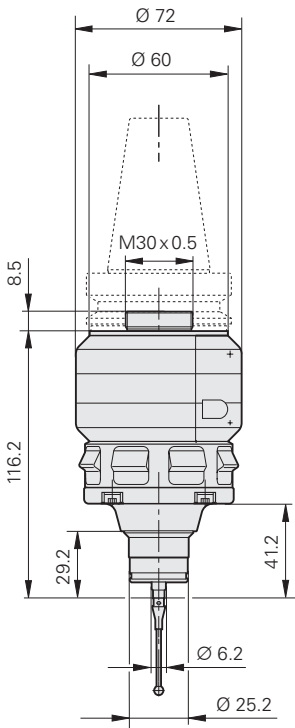
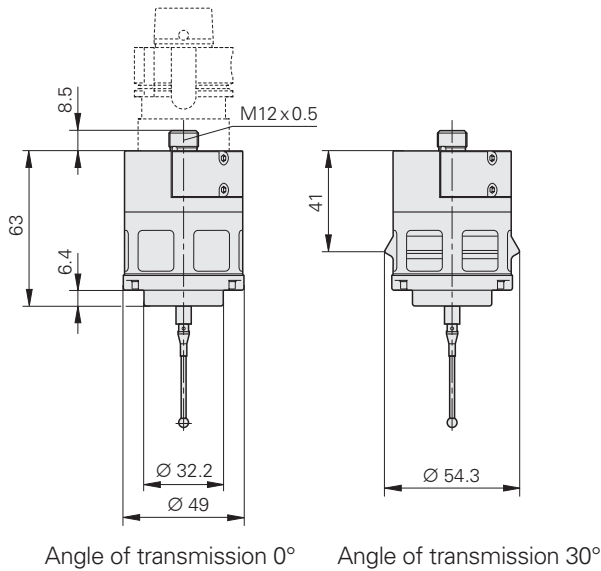
Workpiece Touch Probes with Infrared Transmission



TS 440



TS 640



Dimensions in mm

Tolerancing ISO 8015

ISO 2768 - m H

< 6 mm: ±0.2 mm

Workpiece touch probe	TS 440	TS 640
Probe accuracy	≤ ± 5 µm when using a standard stylus	
Probe repeatability Repeated probing from one direction	2 σ ≤ 1 µm at a probing velocity of 1 m/min	
Max. deflection of probe contact	5 mm in all directions	
Deflection force	Axial: approx. 7 N Radial: 0.7 to 1.3 N	Axial: approx. 8 N Radial: approx. 1 N
Probe velocity	Max. 3 m/min	
Protection IEC 60 529	IP 67	
Operating temperature Storage temperature	10 °C to 40 °C –20 °C to 70 °C	
Weight without taper shank (approx.)	0.4 kg	1.1 kg
Taper shank*	- With taper shank - Without taper shank (connecting thread M12 x 0.5)	- With taper shank - Without taper shank (connecting thread M30 x 0.5)
Signal transmission	Infrared transmission with 360° range	
Transmission angle of infrared signal*	0° or +30°	
Transmitter/receiver unit*	SE 540 or SE 640	
Switching the TS on/off	Infrared signal from SE	
Power supply	Two 3.6 V lithium batteries, size ² / ₃ AA Continuous duty approx. 90 h (with 1200 mAh capacity per battery)	Two 3.6 V lithium batteries, size C Continuous duty approx. 300 h (with 6000 mAh capacity per battery)

* Please select when ordering