

Technical specifications of WRG plugs (single section)

DIMENSIONS*	measurable Ø: 41 ÷ 105 mm length: 299.5 mm
REPEATABILITY <i>4σ with Ra ≤ 0.8</i>	≤ 1,0 μm for 41 ≤ Ø < 75 ≤ 1,5 μm for 75 ≤ Ø ≤ 105
REPEATABILITY <i>4σ with 0.8 ≤ Ra ≤ 6.3</i>	≤ 1,5 μm for 41 ≤ Ø < 75 ≤ 2,0 μm for 75 ≤ Ø ≤ 105
LINEARITY FIELD	±300 μm
TIR MAX SHANK/ NOSEPIECE TAPER	<50 μm (.0020")
NUMBER OF TRANSDUCERS	max 8
AIR SUPPLY PRESSURE	4 ÷ 6 bar
BATTERY	9 Vdc (Lithium)
BATTERY LIFE**	1 year 100000 cycles
MAX ACCELERATION*** <i>on ATC</i>	2 g
WRG-SHANK ALIGNMENT	X/Y adjustable
TYPE OF SHANKS <i>other types available on request</i>	HSK63/100 BT40/50
TRANSMISSION DISTANCE	max 15 m
MINIMUM DISTANCES BETWEEN ADJACENT SYSTEMS	0.5 m between two transmitters 0.2 m between two WRG - WRP - WRTS <i>on the same machine</i> 0.5 m between two WRG - WRP - WRTS <i>on two adjacent machines</i>
WEIGHT <i>Single section measurement, shank excluded</i>	3,5 kg
PROTECTION DEGREE	IP67

* = for applications that require the use of plugs with dimensions that differ from the ones described above, contact the closest Marposs office

** = measuring cycle: plug in the tools magazine for 4 minutes, 1 second for the part measurement and 6 seconds in the working area

*** = for WRG plug length like above drawing