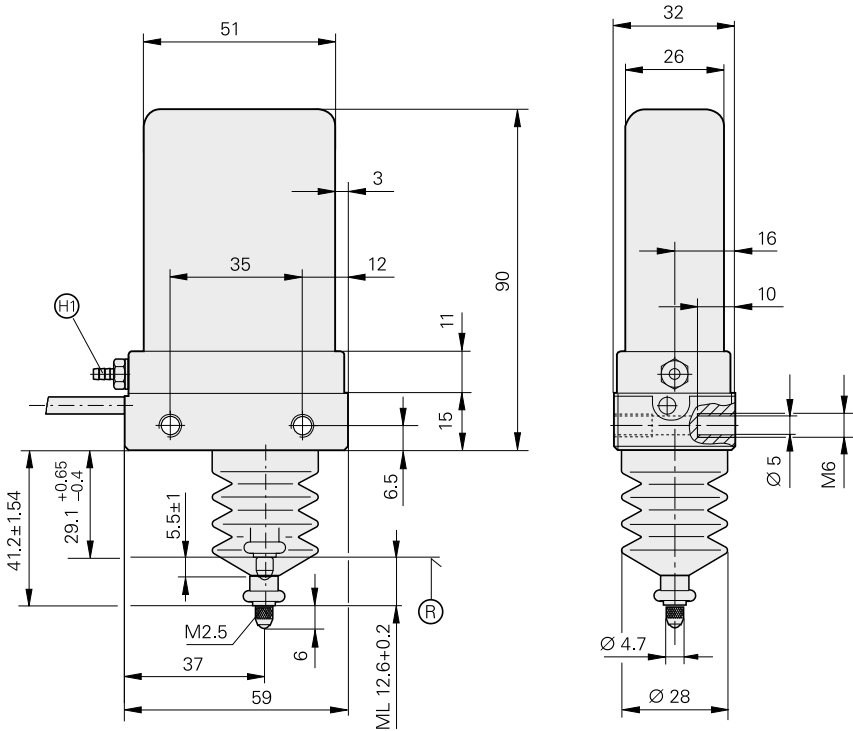


HEIDENHAIN-METRO

MT 12W, MT 25W series

- Splash-proof, sturdy design
- Plunger actuation through the workpiece or negative gauge pressure

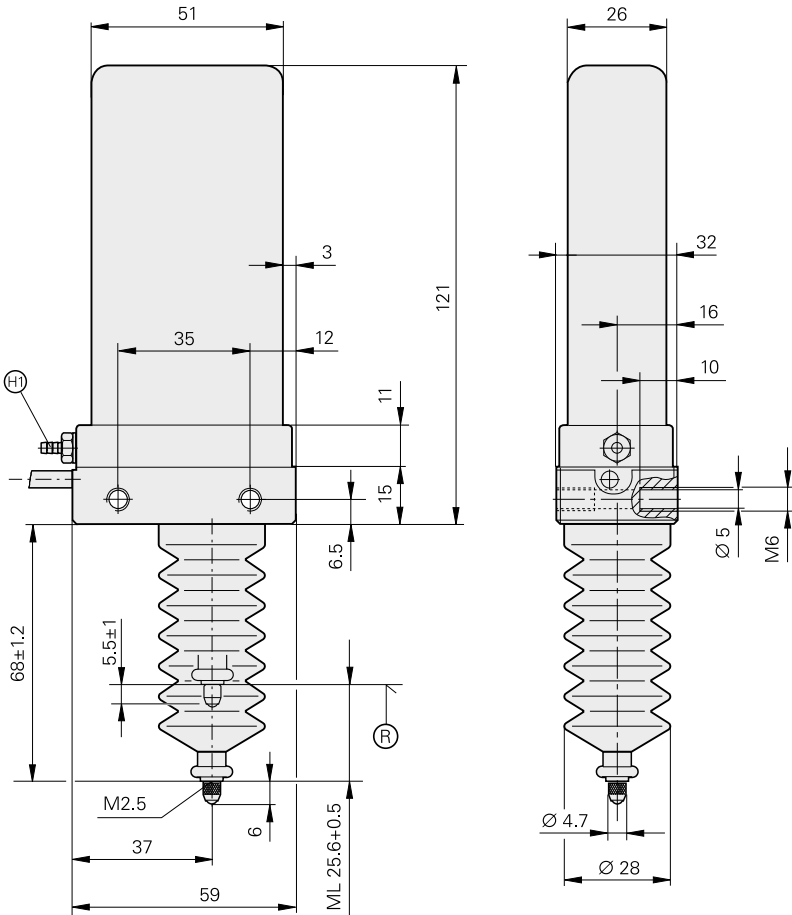
MT 12W



mm
 Tolerancing ISO 8015
 ISO 2768 - m H
 < 6 mm: ±0.2 mm

ML = Measuring length
 ® = Reference mark position
 ⓘ = Air connection for 2 mm tube

MT 25W



Specifications		MT 12W MT 25W	
Plunger actuation		Through measured object or application of negative gauge pressure (0.8 bar absolute)	
Position of plunger at rest		Extended	
Plunger guideway		Sliding guide	
Measuring standard		DIADUR grating on glass; grating period 10 µm	
System accuracy		± 1 µm	
Reference mark		Approx. 5 mm below upper stop	
Measuring range		MT 12 MT 25 12 mm 25 mm	
Gauging force Vertically downward Vertically upward Horizontal		<i>With extending plunger</i> 3.5 N to 0.5 N 3 N to 0.2 N 3.25 N to 0.35 N	<i>With retracting plunger</i> 4.4 N to 1.4 N 3.8 N to 1.4 N 3.95 N to 1.05 N
Radial force ¹⁾		≤ 0.2 N	
Operating attitude		Any	
Vibration 55 to 2000 Hz Shock 11 ms		≤ 100 m/s ² (EN 60068-2-6) ≤ 1000 m/s ² (EN 60068-2-27)	
Protection EN 60529		IP 64	
Operating temperature Storage temperature		10 °C to 50 °C; reference temperature 20 °C –30 °C to 70 °C	
Fastening		Plane surface 59 mm x 14 mm; 2 M6 screws	
Weight without cable		MT 12 MT 25	400 g 500 g
Interface		 11 µApp	
Measuring velocity		≤ 60 m/min (plunger coupled; depending on the subsequent electronics)	
Electrical connection		Cable 1.5 m with M23 connector (male) 9 pin	
Cable length		≤ 30 m with HEIDENHAIN cable	
Voltage supply		5 V DC ± 0.25 V/70 mA	

¹⁾ Mechanically permissible