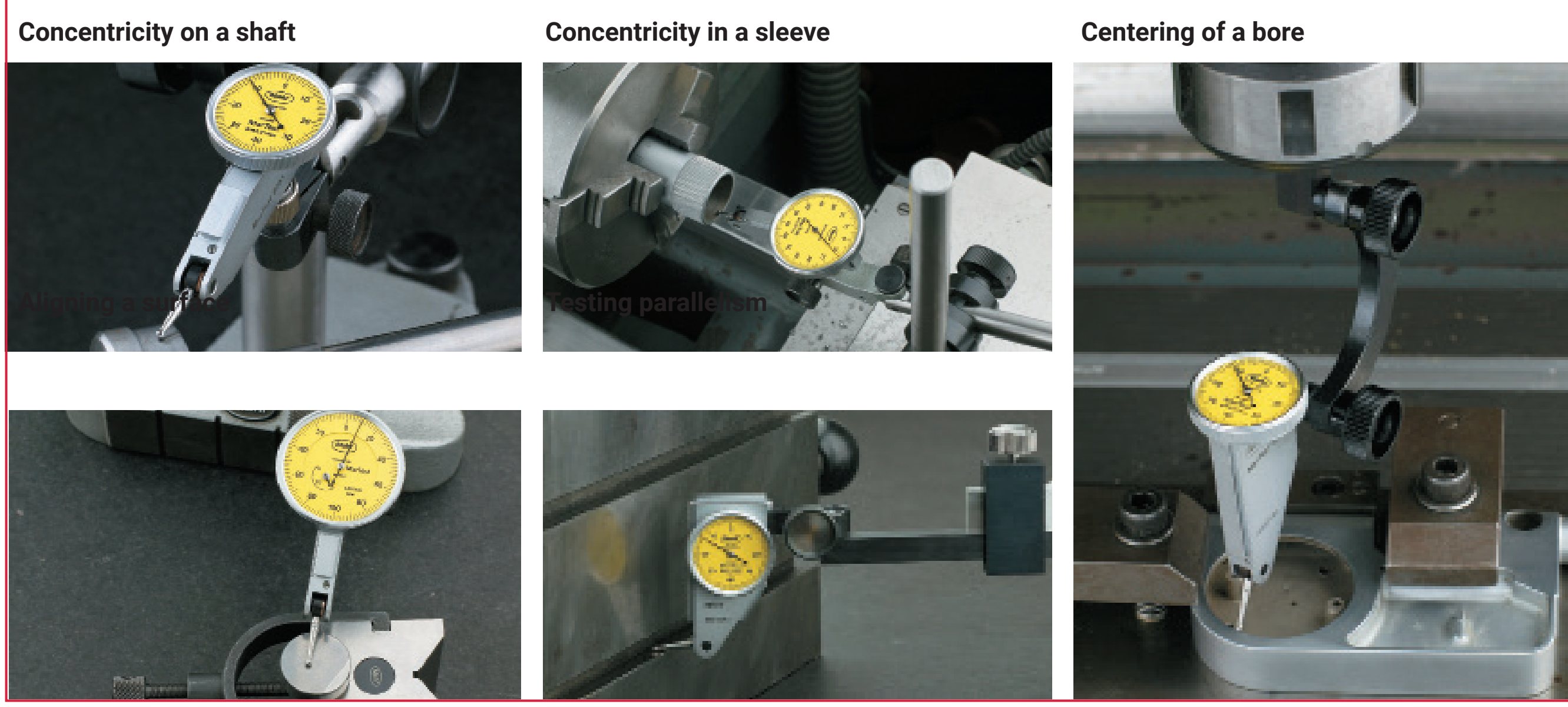


MarTest®. Test Indicators

MarTest - Applications

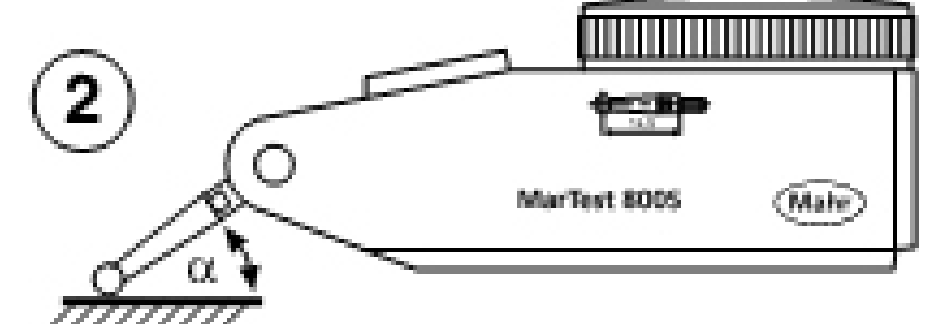
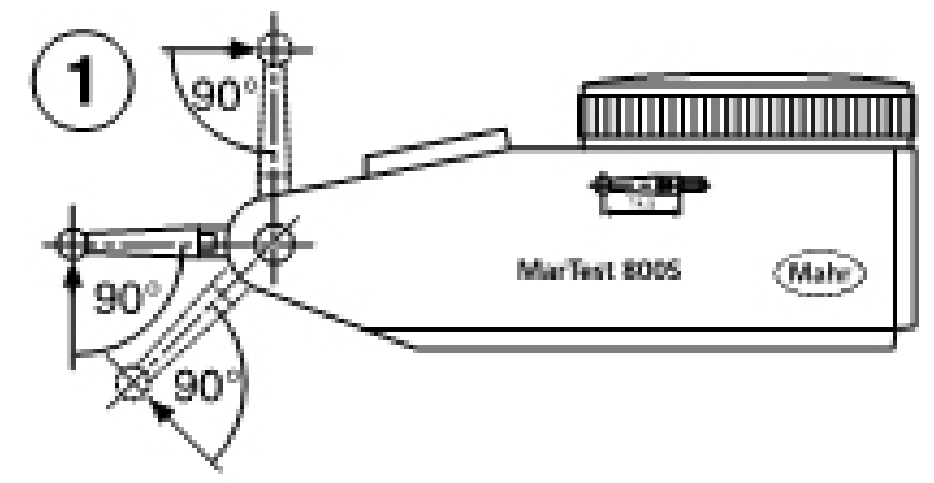


MarTest - Avoiding Measuring Errors

For accurate measurements, the axis of the contact point **must** be perpendicular to the measuring direction (Fig 1). If this is not possible, it is necessary to multiply the reading on the dial with a correction factor, this depends on the angle α (Fig 2). The correction factor is negligible for angles below 15°.

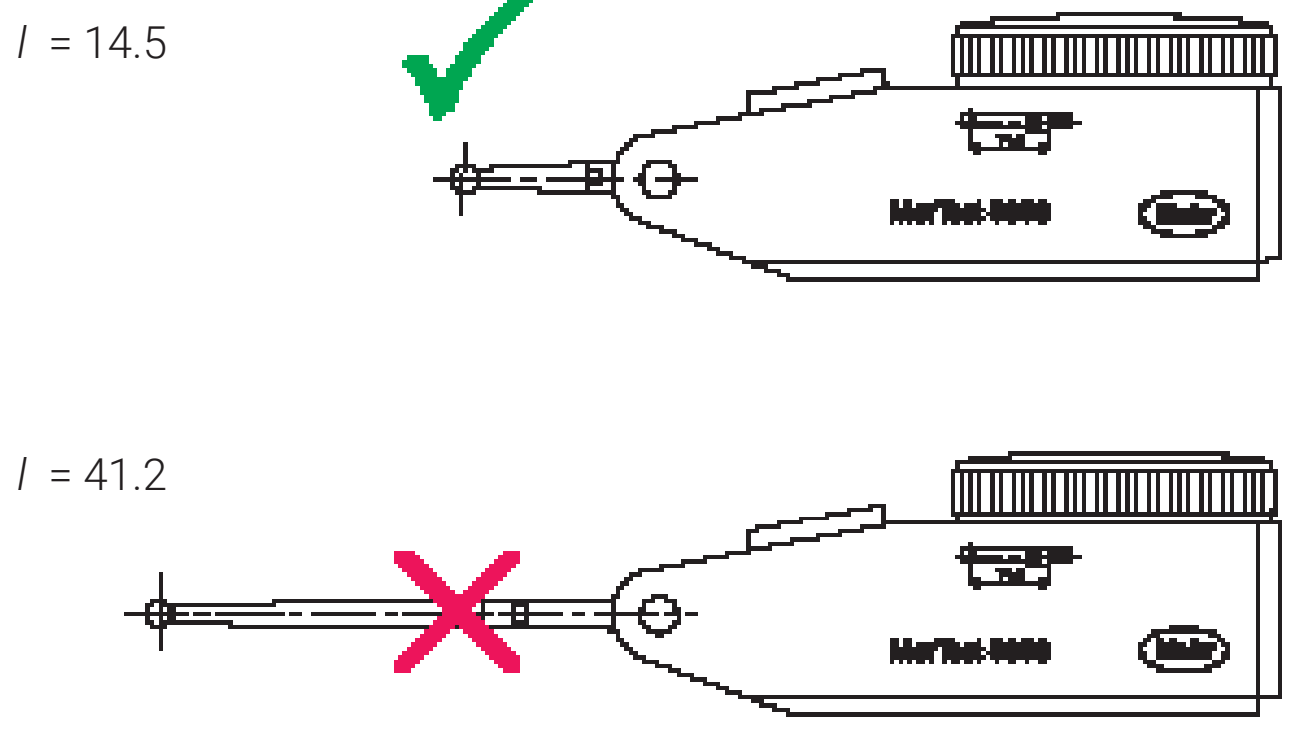
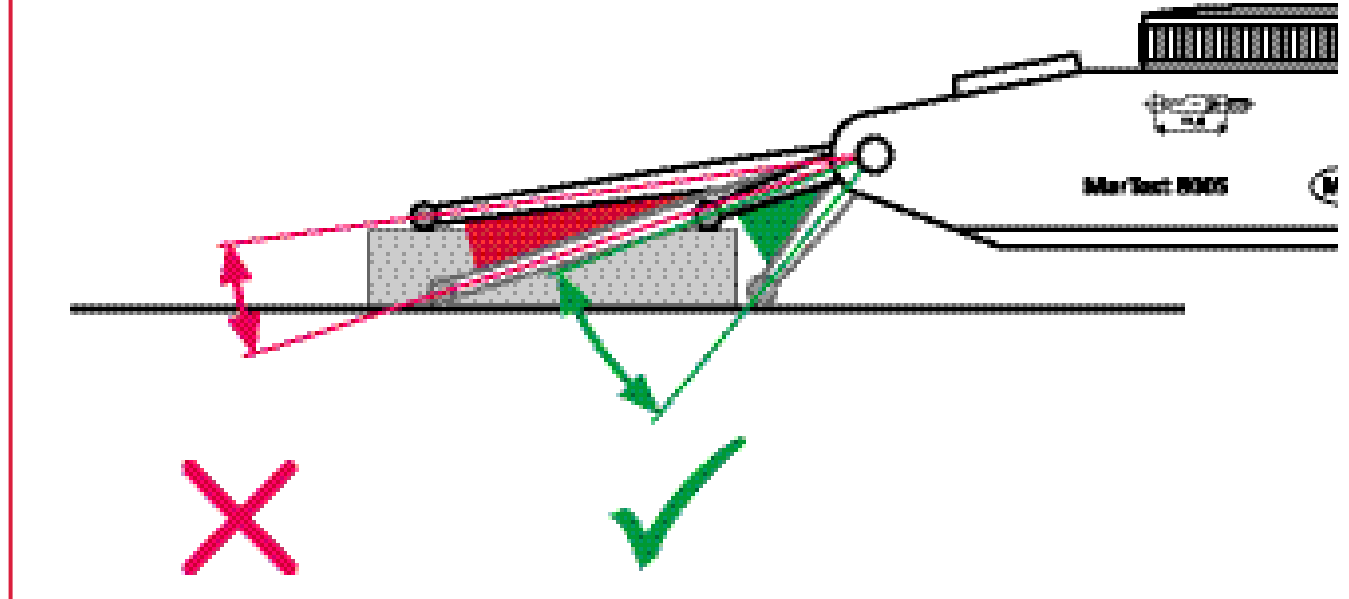
Angle α	15°	30°	45°	60°
Correction factor	0.96	0.87	0.70	0.50

Example:
 Angle α : 30° (estimated)
 Reading: 0.38 mm
 Measurement result: $0.38 \times 0.87 = 0.33$ mm

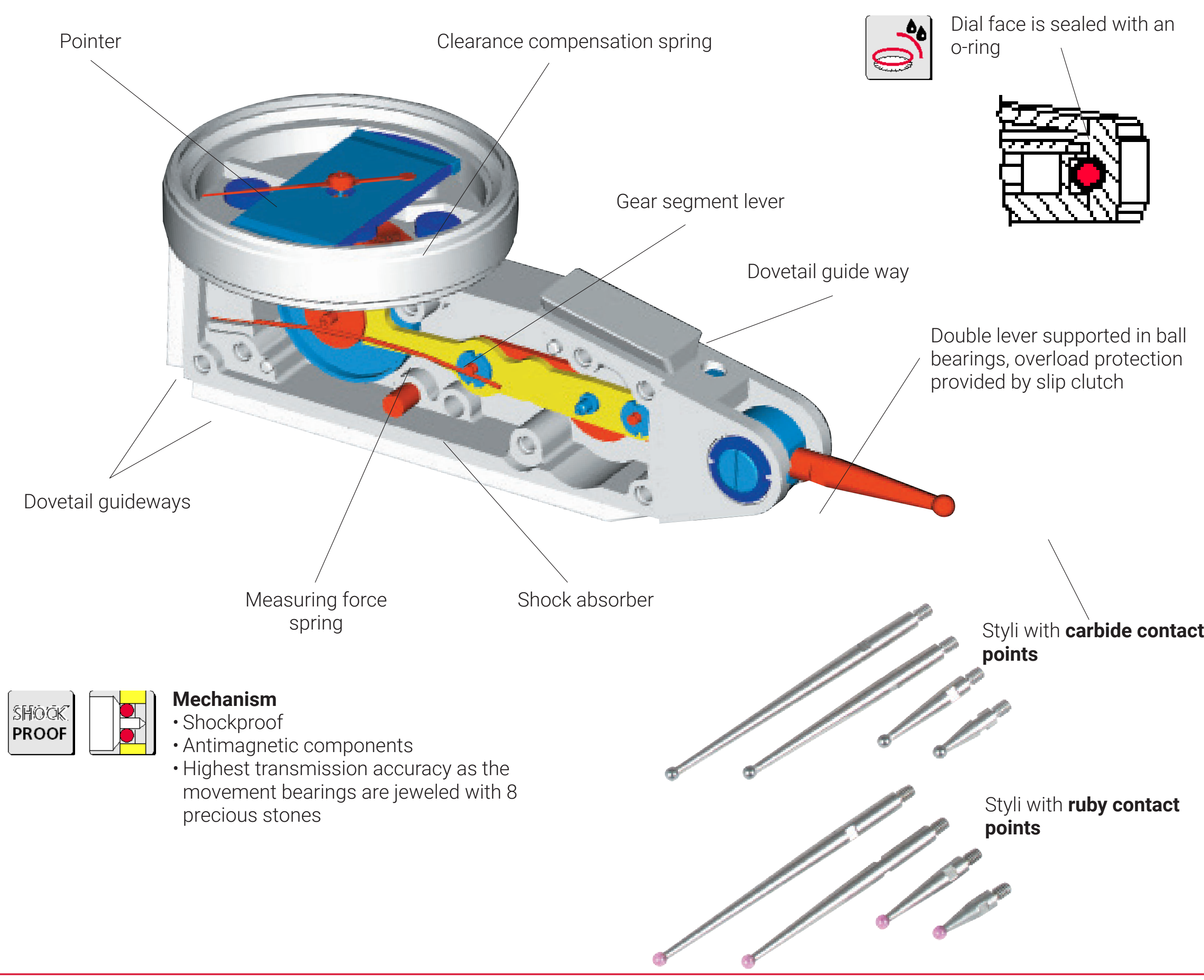


Warning! Only use the supplied stylus for each particular model, e.g. 800 S with $l = 14.5$ mm

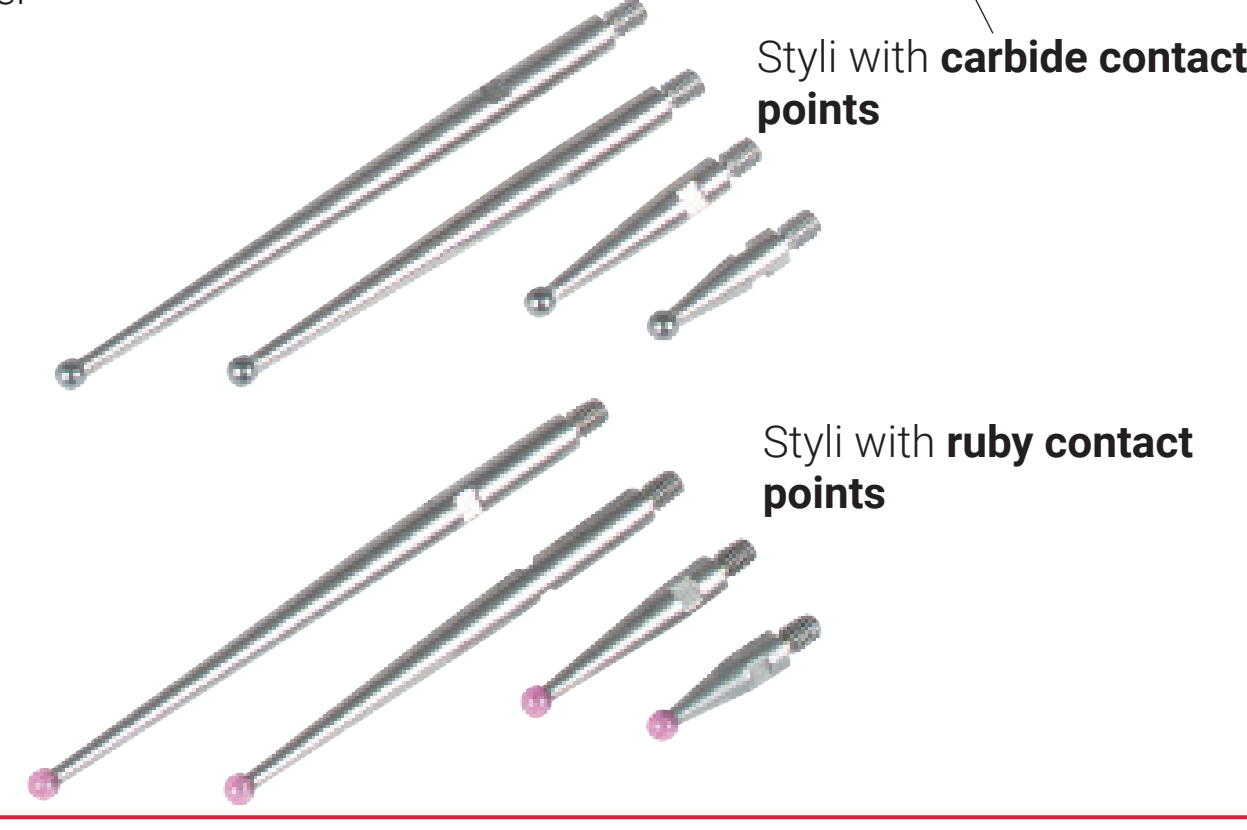
Example: The length of the stylus affects its angle and therefore the measurement.



MarTest - Design Features

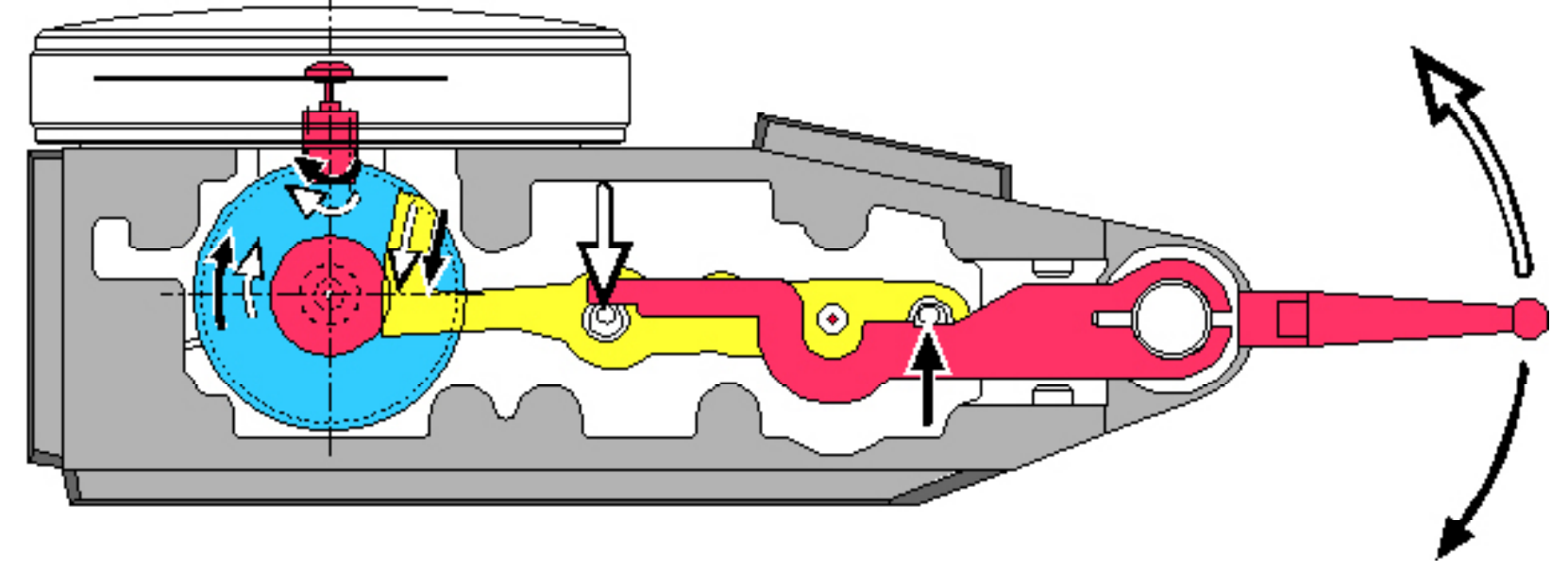


- Mechanism**
- Shockproof
 - Antimagnetic components
 - Highest transmission accuracy as the movement bearings are jeweled with 8 precious stones

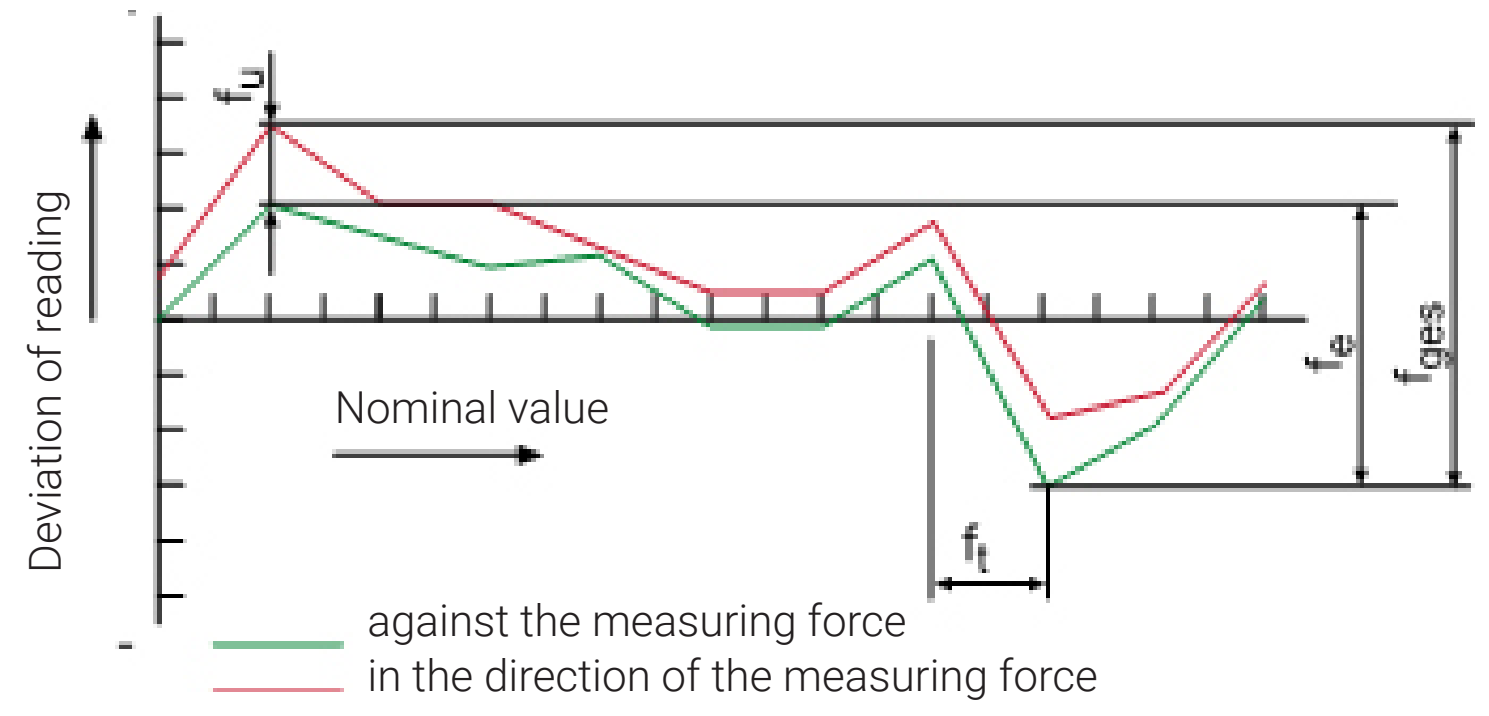


MarTest - Automatic Matching to Measuring Direction

Automatic matching to the sensing direction, i.e. the pointer always moves in a clockwise direction regardless of which direction the stylus is moved; this ensures error-free reading.

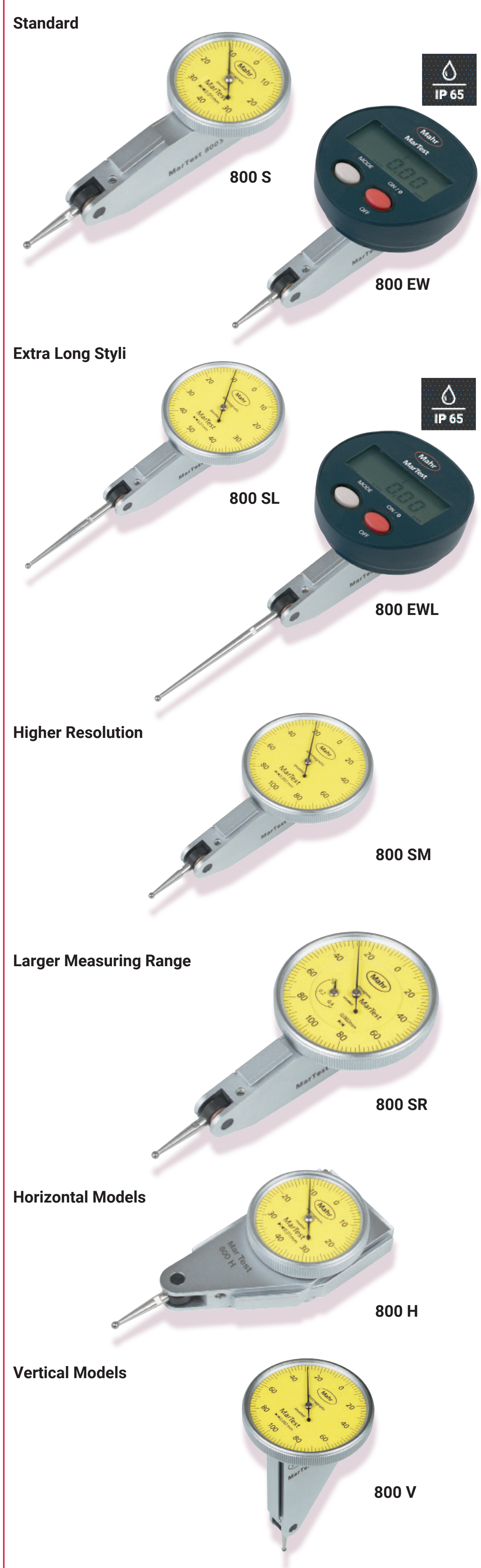


MarTest - Metrological Characteristics



- f_u = Hysteresis
- f_e = Deviation range
- f_{ges} = Total deviation range
- f_t = Partial measuring span

MarTest - Versions



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