

Lever Type Dial Test Indicators – BL Series

Please carefully review these instructions to ensure proper and accurate use of your new Test Indicator.

fig. 1

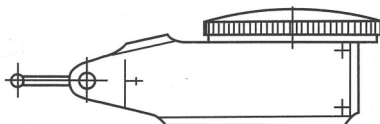


fig. 2

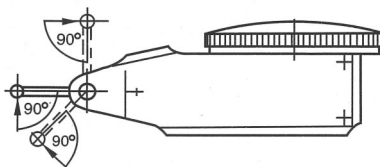
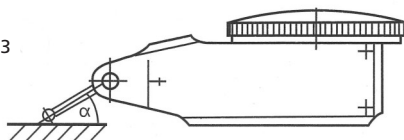


fig. 3



Mounting of Mounting Shaft

Slide mounting shaft onto dovetail which is best suited for measuring and tighten (fig. 1). Mount indicator rigidly and as close as possible.

Measuring

For accurate measurements the axis of the contact point must be perpendicular to the measuring direction (fig. 2). If this is not possible, it is necessary to multiply the reading on the dial with a correction factor, which depends on angle ϑ (fig. 3). The correction factor is negligible for angles below 15°.

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

Example	
Angle ϑ :	30° (estimated)
Reading on dial:	.015"
Measurement value:	.015" x .87 = .013"

Maintenance

No special maintenance is required. The bearings of the indicator **must not be oiled**.