



PARTS



1. Tolerance reference indicators
2. Scale
3. Stem
4. Spindle
5. Contact tip
6. Main needle
7. Counter needle
8. Housing



SPECIFICATIONS

Measuring range	0 – 10 mm
Resolution	0.016 mm
Precision	0.01 mm
Weight	345 gr.



INTRODUCTION

Dial gauge is a measuring instrument for checking work pieces. It is useful to compare the differences existing in dimensional figures for several pieces.



FUNCTIONING

The mechanism consists of a scanning pin with tapered end. Engaged with a pinion that takes part of a gear train.

The gearing and lever machinery integrated in the inner side of a circular line metal box makes possible detecting the differences in the measures. Inside the box slides a shaft with spherical tip touching the surface. When this shaft scrolls moves the clockwise making possible the reading of measure differences in a direct and easy way.

The dial holds two indicators that stand in any position, they can be both fixed left or right from zero, so this way it is possible to set the tolerance limits with the advantage of mobility.

piñón formando parte de un tren de ruedas dentadas.



OPERATION

1. Put the tolerance references (1) between the acceptable tolerance points to take the measurement.
2. Place the contact tip on the surface to be measured, to which previously is usually is given movement. Needles (6, 7) will directly show the value of the measurement variation in millimeters present in the surface.
3. In order to compare several objects, measure in first place one of them (it is useful to fix the tolerance references to have the range defined) and then compare the value range with the values from the other pieces.
4. Once the dial gauge is removed, the needles will come back to their initial position.



NOTES

IMPORTANT!

The maker will not take responsibility for damage or malfunction as a result of the machine being incorrectly used or, applied for a purpose for which it was not intended.



According to Waste Electrical and Electronic Equipment directive (WEEE), these ones must be collected and arranged separately. If you have to throw them out, please, do not use the usual rubbish. Please, contact your distributor for free recycling.



GUARANTEE

The maker guarantees to the machine owner 12 months against any manufacture defect. This guarantee do not cover the parts wich are consumables.

Note: to apply the guarantee its necessary to send the “GUARANTEE CERTIFICATE” duly filled within one week after purchased the machine to the maker.