

F. SUBITO® setting device ESU

The ESU in connection with an existing gauge block set offers a reliable, flexible and economical calibration possibility for two-point contact comparator gauges of the series SU, SK and SW as well as for similar products of other manufacturers. The range of application is from 4,5 to 800 mm. For the SUBITO® blind bore measuring instruments of the series SS there is an ESU with special setting jaws. The ESU is recommendable if different diameters should often be calibrated. It can be used in horizontal or vertical position, depending on the position in which the measuring instrument shall be used afterwards. The tube of the ESU is out of stainless steel, the measuring anvils are out of tungsten carbide. The remarkable feature of the ESU is its high precision:

- deviation of planeness of the carbide measuring anvils $\leq 0,6 \mu\text{m}$
- setting uncertainty (gauge block quality is not taken into consideration) $\leq 2 \mu\text{m}$

For the calibration, the two measuring anvils are pressed against one gauge block or a gauge block combination; afterwards this unit is fixed in the groove of the ESU tube, so that the measuring anvils stay connected tightly with the gauge blocks. Thus the contact force of the gauge to be calibrated is without influence.



SUBITO® setting device ESU