

SUBITO SD with direct measuring axis

Measuring of bores causes always the problem that the measurement has to be done inside and indicated outside.

The 90° segment of the standard SUBITO SU is solving exactly this problem, but even the best mechanical transmission causes errors because of friction and linearity:

- Hysteresis
- Deviation Linearity

Furthermore the travel is limited because of mechanical conditions.

This necessity does not exist for large diameters – the measuring value can be indicated directly in the bore. The space therefore is available.

This idea was realized with the development of the SUBITO SD with direct measuring axis.

Protected in a housing it is possible to use either digital dial gauges, mechanical dial gauges, precision indicators or electronic probes.

The centring of the SUBITO SD is done by the centring plate of the standard SUBITO SU.

The SUBITO SD can be adapted to the diameter to be measured with the measuring pins and extension that are known from the standard SUBITO.

The measuring travel depends on the dial gauge which is used and can be up to 12 mm. This opens the possibility to reduce the number of setting masters and the measurement of grooves.

The following gauges are available:

Type	SD 510	SD 800
Application range from - to	280 510	400 800
Travel	12	12
Centring width	156	300
Front distance h	16	17,5
Number of measuring pins	7	11
Number of washer	4	4
Measurin range extension	3	3

Special applications:

For the measurement of internal grooves and easy insertion of the gauge there is a retractable measuring pin available.



SUBITO SD 280 - 510