

I. SUBITO® SS for blind bores

With the SUBITO® SS it is possible to measure bores very close to the bottom and short centring shoulders, as well as their deviations in form, e. g. their roundness and cylindricity. The range of application is from 20 up to 600 mm. The minimum distance from the bore bottom is "h" = 1,0 mm. During the measuring process, the device is lying on the bore bottom, so that it is not necessary to search the reversal point by oscillating the gauge. The construction of the SUBITO® SS is based on the proven and unsurpassed measuring principle of the standard SUBITO®, the adjustable segment deviation. The pre-setting of this comparator gauge is effected by changing or moving the toothed and scaled measuring slides. Measuring contacts are out of tungsten carbide.

technical data SS

range of application	20 - 600 mm
repeatability	$f_w \leq 1,0 \text{ } \mu\text{m}$
max. deviation	$f_e \leq 4,0 \text{ } \mu\text{m}$
hysteresis	$f_u \leq 2,5 \text{ } \mu\text{m}$

SELECTION CRITERIA FOR SUBITO® SS

Range of application D	mm	mm	mm	mm
from	20	50	110	300
up to	50(60)	110(140)	300(400)	600
travel s	1,5	1,5	1,6	1,6
measuring depth MT	77	60	45	45
total length L	163	144	163	163
tube Ø R	10	12	18	18
front distance h	1,5/1,0	1,5/1,0	2,0/1,0	2,0/1,0
centring plate width ZB	18	34	81	140
no. of measuring slides	3(4)	2(3)	4(6)	6

The SUBITO® blind bore vario SSV

This type is an economical combination of main components of two different instrument sizes, so that in total a range of application from 20 to 140 mm is covered. The SSV consists of one upper part and two screw-in blind bore measuring heads as well as the corresponding measuring slides. Here, it is also possible to effect measurements starting at 1,0 mm from the bore bottom.

Accessories/options for SS/SSV

- special measuring slides for Ø up to 600 mm
- measuring slides fitted with ruby
- measuring depth extensions
- setting master ESU for SS

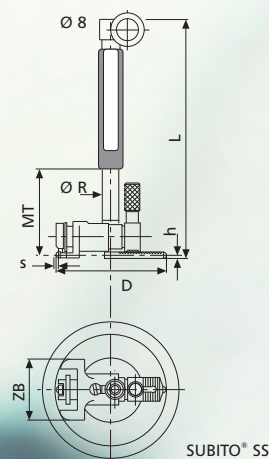
The advantages of the SS/SSV are:

- extensive and flexible range of application by simple inter-changing of the measuring slides
- easy handling, as the device is lying on the bore bottom
- high measuring certainty by subdivision into three measuring ranges
- high precision due to the SUBITO® deviation principle.
The repeatability is max. 1 μm , the deviation is max. 4 μm .
- long service life, as the contact pins and the interchangeable measuring slides are fitted with tungsten carbide at the measuring contacts.
- easy setting, the same as for the SUBITO®.

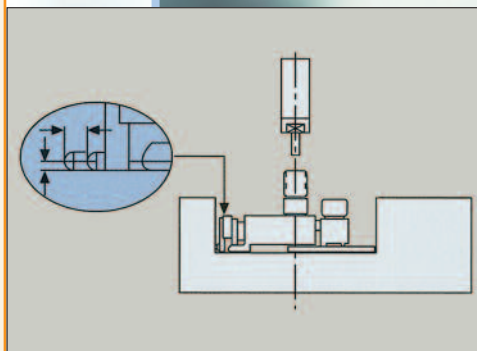
The fine setting can be effected with master setting rings, master pieces or the setting device ESU with special setting jaws for the SS.



SUBITO® SS for blind holes



SUBITO® SS



measuring head SUBITO® SS

THE VARIANTS