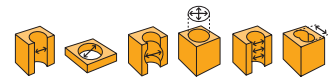


SUBITO® Precision Bore Gauge SU/SK/SW

FOR MEASURING INTERNAL DIAMETERS,
APPLICATION RANGE 4,5 - 800 MM

SERIES 100-118



STANDARD VERSION SERIES SU with manufacturer certificate

Delivery SU:

holder, fixed measuring pins, washers, in wooden box, without dial gauge.

Movable contact pin as standard tungsten carbide.

Ruby Version SU: Measuring pins and contact pin ruby.

Version centring plate coated wear resisting: standard with measuring pins tungsten carbide.

SHORT VERSION SERIES SK with manufacturer certificate

Delivery SK:

as Series SU, but with a short holder.

ANGLED VERSION SERIES SW

Delivery SW:

as Series SU, but holder with a fixed angle piece.



SUBITO® SU 50 - 100

SUBITO® SU/SK/SW

application range [mm]	measuring pins steel			measuring pins tungsten carbide			centring plate coated	
	SU	Code SK	SW	SU	Code SK	SW	SU	Code SK
4,5 - 6	-	-	-	100 00000	100 00001	200 00000	-	-
6 - 8	-	-	-	101 00000	101 00001	201 00000	101 00004	101 00005
8 - 12	-	-	-	102 00000	102 00001	202 00000	102 00004	102 00005
12 - 20	-	-	-	103 00000	103 00001	203 00000	103 00004	103 00005
18 - 35	104 00000	104 00001	204 00000	104 00002	104 00003	204 00001	104 00006	104 00007
35 - 60	105 00000	105 00001	205 00000	105 00002	105 00003	205 00001	105 00006	105 00007
50 - 100	106 00000	106 00001	206 00000	106 00002	106 00003	206 00001	106 00006	106 00007
50 - 150	107 00000	107 00001	207 00000	107 00002	107 00003	207 00001	107 00006	107 00007
100 - 160	108 00000	108 00001	208 00000	108 00002	108 00003	208 00001	108 00006	108 00007
100 - 230	109 00000	109 00001	209 00000	109 00002	109 00003	209 00001	109 00006	109 00007
160 - 290	110 00000	110 00001	210 00000	110 00002	110 00003	210 00001	110 00006	110 00007
160 - 360	111 00000	111 00001	211 00000	111 00002	111 00003	211 00001	111 00006	111 00007
280 - 410	112 00000	112 00001	212 00000	112 00002	112 00003	212 00001	112 00006	112 00007
280 - 510	113 00000	113 00001	213 00000	113 00002	113 00003	213 00001	113 00006	113 00007
400 - 800	114 00000	114 00001	214 00000	114 00002	114 00003	214 00001	114 00076	114 00077

SUBITO® with extended measuring range, for spherical diameters, for diameters > 800 mm and for parallel distances on inquiry. SUBITO® direct SD please see page 27.

COMBINATION OF

SEVERAL COMPLETE SETS with manufacturer certificate

to cover large measuring ranges, consisting of 2 and 3 complete measuring instruments in one wooden box, without dial gauge.

SUBITO® SU

application range [mm]	measuring pin steel Code	measuring pin carbide Code	centring plate coated Code	measuring pin ruby Code
18 - 100	115 00000	115 00002	115 00006	115 00004
18 - 150	116 00000	116 00002	116 00006	116 00004
50 - 160	117 00000	117 00002	117 00006	117 00004
50 - 230	118 00000	118 00002	118 00006	118 00004



SUBITO® several complete sets



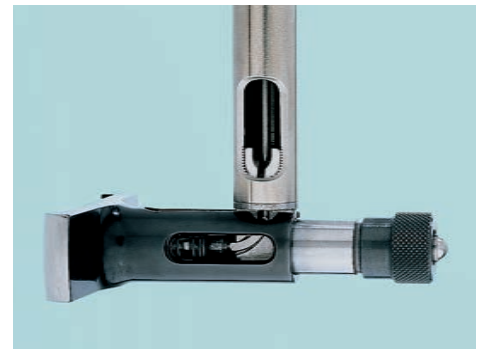
SUBITO® SW



SUBITO® holder



SUBITO® SU 4,5 - 6 and SU 35 - 60



SUBITO® segment

SW	measuring pins ruby Code SK			holder Code SK		
	SU	SW	SK	SU	SK	SK
-	-	-	-	100 00049	100 00050	
201 00002	101 00002	101 00003	201 00001	101 00045	101 00046	
202 00002	102 00002	102 00003	202 00001	102 00046	102 00047	
203 00002	103 00002	103 00003	203 00001	103 00055	103 00056	
204 00003	104 00004	104 00005	204 00002	104 00067	104 00068	
205 00003	105 00004	105 00005	205 00002	105 00062	105 00063	
206 00003	106 00004	106 00005	206 00002	106 00077	106 00078	
207 00003	107 00004	107 00005	207 00002	106 00077	106 00078	
208 00003	108 00004	108 00005	208 00002	108 00064	108 00065	
209 00003	109 00004	109 00005	209 00002	108 00064	108 00065	
210 00003	110 00004	110 00005	210 00002	110 00044	110 00045	
211 00003	111 00004	111 00005	211 00002	110 00044	110 00045	
212 00003	112 00004	112 00005	212 00002	112 00068	112 00069	
213 00003	113 00004	113 00005	213 00002	112 00068	112 00069	
214 00003	114 00004	114 00005	214 00002	114 00060	114 00061	

Measuring depth extension **MTV**

FOR SUBITO® BORE GAUGES, PLUG-IN EXTENSION,
CLAMPING SHANK Ø 8 MM

suitable from diameter 35 mm

MEASURING DEPTH EXTENSION MTV

tube-Ø [mm]	length [mm]	Code	tube-Ø [mm]	length [mm]	Code
12	250	120 00000	18	1000	120 00004
12	500	120 00001	18	1500	120 00005
12	750	120 00002	18	2000	120 00006
12	1000	120 00003	special length		on inquiry

Measuring depth extensions with CFK tube on inquiry.

SERIES 120

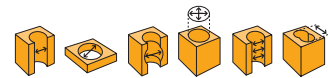


measuring depth extension MTV

SUBITO® Vario Precision Bore Gauge SV/SVS

SERIES 122-124

FOR MEASURING INTERNAL DIAMETERS,
APPLICATION RANGE 6 - 800 MM



Delivery SV:

SUBITO® Vario SV modular system consisting of one upper part and different measuring heads in Vario design; with fixed measuring pins, washers, in wooden box, without dial gauge.

SUBITO® VARIO SV/SVS

application range [mm]		measuring pin steel Code	measuring pin carbide Code
type SV	measuring heads SUBITO® Vario		
6 - 18	6 - 10	-	122 00000
	10 - 18	-	-
6 - 10	6 - 10	-	122 00001
	10 - 18	-	122 00002
18 - 160	18 - 50	123 00000	123 00008
	50 - 160	-	-
18 - 50	18 - 50	123 00001	123 00009
	50 - 160	123 00002	123 00010
160 - 800	160 - 430	124 00000	124 00004
	430 - 800	-	-
160 - 430	160 - 430	124 00001	124 00005
	400 - 800	124 00002	124 00006



SUBITO® Vario SV

Delivery SVS:

as series SV, but with a short upper part and additional blind bores measuring head and measuring slides, an angle piece 90° to reach awkwardly positioned bores and a measure depth extension 192 mm; in wooden box, without dial gauge.

SUBITO® VARIO SVS

application range [mm]		measuring pin steel Code	measuring pin carbide Code
type SVS	measuring heads		
18 - 160	SUBITO® Vario 18 - 50	-	-
	SUBITO® Vario 50 - 160	-	-
18 - 160	blind bores 20 - 50	123 00005	123 00013
	blind bores 50 - 140	-	-



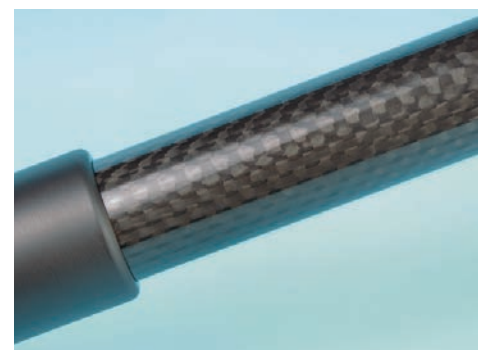
SUBITO® Vario System SVS

ACCESSORIES SV/SVS

application range [mm]	Code
6-18 mm	
screw-in depth extension 250 mm long, tube-Ø 5 mm	122 00005
18-160 mm	
screw-in depth extension 192 mm long, tube-Ø 10 mm	123 00007
screw-in depth extension 500 mm long, tube-Ø 10 mm	123 00033
screw-in depth extension 750 mm long, tube-Ø 10 mm	123 00034
screw-in depth extension 1000 mm long, tube-Ø 10 mm	123 00035
160-800 mm	
screw-in depth extension 485 mm long, tube-Ø 24 mm	124 00003
screw-in depth extension 1000 mm long, tube-Ø 24 mm	124 00007
screw-in depth extension CFK 1000 mm long, tube-Ø 24 mm	123 00601
screw-in depth extension CFK 1500 mm long, tube-Ø 24 mm	123 00603
screw-in depth extension CFK 2000 mm long, tube-Ø 24 mm	123 00605
screw-in depth extension CFK 2500 mm long, tube-Ø 24 mm	123 00604



screw-in depth extension 250 mm long, tube Ø 5 mm



screw-in measuring depth extension CFK, 1000 mm long, tube Ø 24 mm

RABITO Precision Bore Gauge ^{RA}

FOR MEASURING INTERNAL DIAMETERS, APPLICATION RANGE 18 - 300 MM

Delivery RA:
holder, fixed measuring pins in steel, washers, in wooden box, without dial gauge.

RABITO RA

application range [mm]	Code
18 - 35	404 00001
35 - 60	405 00001
50 - 150	407 00001
18 - 150*	416 00001
150 - 300	410 00001

* consists of 2 complete sets in wooden box

SERIES 404-416



RABITO 50-150

SUBITO® Precision Bore Gauge ^{SS/SSV}

FOR MEASURING OF BLIND BORE DIAMETERS

Delivery SS:
holder, measuring slides and contact pin tungsten carbide as standard, in wooden box, without dial gauge. Version with h = 1 mm: for measuring very close of the bottom of the bore.

SUBITO® SS

application range [mm]	front distance h [mm]	meas. slides carbide Code	meas. slides ruby Code	holder SS Code
20 - 50	1,5	140 00000	140 00001	140 00024
20 - 60	1,5	141 00000	141 00001	141 00024
50 - 110	1,5	142 00000	142 00001	142 00027
50 - 140	1,5	143 00000	143 00001	142 00027
110 - 300	2,0	144 00000	144 00001	144 00032
110 - 400	2,0	145 00000	145 00001	144 00032
300 - 600	2,0	145 00100	145 00101	145 00105
20 - 50	1,0	140 00002		
20 - 60	1,0	141 00002		
50 - 110	1,0	142 00002		
50 - 140	1,0	143 00002		
110 - 300	1,0	144 00002		
110 - 400	1,0	145 00002		
300 - 600	1,0	145 00102		

Delivery SSV:
1 short upper part, 2 blind bores measuring heads, measuring slides, in wooden box, without dial gauge.

SUBITO® BLINDE BORES VARIO SSV

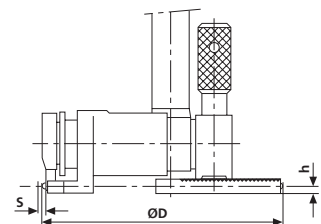
application range [mm]	front distance h [mm]	meas. slide carbide Code	meas. slide ruby Code
20 - 140	1,5	146 00000	146 00001
20 - 140	1,0	146 00002	

SERIES 140-146



SUBITO® SS for blind bores

s: travel
D: diameter to be measured
h: front distance

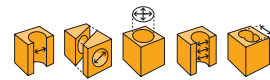


front distance h for SUBITO® SS

SUBITO® Precision Bore Gauge SMT

FOR MEASURING INTERNAL DIAMETERS
IN LARGE DEPTH

SERIES 230-244



Delivery SMT:

as Series SU, but holder in special length; fixed measuring pins and movable contact pin tungsten carbide tipped as standard, coated centering plate, in wooden box or transportation box, without dial gauge.
Larger and intermediate depth on inquiry.

SUBITO® SMT

application range [mm]	measuring depth [mm]			
	250 Code	500 Code	750 Code	1.000 Code
4,5 - 6	230 00000	-	-	-
6 - 8	231 00000	231 00001	231 00002	231 00003
8 - 12	232 00000	232 00001	232 00002	232 00003
12 - 20	233 00000	233 00001	233 00002	233 00003
18 - 35	234 00000	234 00001	234 00002	234 00003
35 - 60	235 00000	235 00001	235 00002	235 00003
50 - 100	236 00000	236 00001	236 00002	236 00003
50 - 150	237 00000	237 00001	237 00002	237 00003
100 - 160	-	238 00001	238 00002	238 00003
100 - 230	-	239 00001	239 00002	239 00003
160 - 290	-	240 00001	240 00002	240 00003
160 - 360	-	241 00001	241 00002	241 00003
280 - 410	-	242 00001	242 00002	242 00003
280 - 510	-	243 00001	243 00002	243 00003



SMT, SU, SK

application range [mm]	measuring depth [mm]				
	1.250 Code	1.500 Code	2.000 Code	2.500 Code	3.000 Code
18 - 35	234 00004	-	-	-	-
35 - 60	235 00004	235 00005	235 00006	235 00007	235 00008
50 - 100	236 00004	236 00005	236 00006	236 00007	236 00008
50 - 150	237 00004	237 00005	237 00006	237 00007	237 00008
100 - 160	238 00004	238 00005	238 00006	238 00007	238 00008
100 - 230	239 00004	239 00005	239 00006	239 00007	239 00008
160 - 290	240 00004	240 00005	240 00006	240 00007	240 00008
160 - 360	241 00004	241 00005	241 00006	241 00007	241 00008
280 - 410	242 00004	242 00005	242 00006	242 00007	242 00008
280 - 510	243 00004	243 00005	243 00006	243 00007	243 00008

SUBITO® Precision Bore Gauge SE

FOR MEASURING DEEP BORES

SERIES 130-133



For the use with an electronic length measuring probe and indicating unit; measuring depths up to 12 m are possible.
A complete instrument consists of: measuring head, connecting tube (1000 mm) with cardan joint, length measuring probe, extensions if necessary. Delivery in transportation box, without length measuring probe, without indicating unit.

SUBITO® SE

application range [mm]	Code
35 - 60	130 00000
50 - 90/(120)*	131 00000/01
100 - 230	132 00000
> 200	auf Anfrage

* measuring range extension up to Ø 120 mm/160 mm on request.

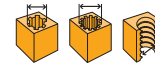


SUBITO® SE for deep bores
up to 12 m depth

SUBITO® Precision Bore Gauge ^{KT}

FOR MEASURING THE TWO-BALL DIMENSION OF TOOTHINGS

SERIES 160-164



Delivery KT:

holder with contact pin and exchangeable measuring inserts; contact pin and measuring inserts with inside thread to screw in ball inserts; in wooden box, ball inserts to be ordered separately. Measuring gauges for internal gears from diameter > 8 mm based on OSIMESS on inquiry.

SUBITO® KT

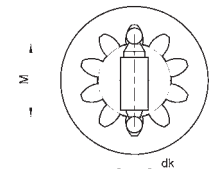
application range M [mm]		Code
KT 12	8 - 12	160 0000
KT 22	12 - 22	161 0000
KT 55	22 - 55	162 0000
KT 250	55 - 250	163 0000
KT 510	100 - 510	164 0000



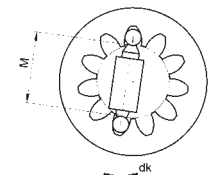
SUBITO® KT with measuring inserts and ball inserts

ACCESSORIES KT

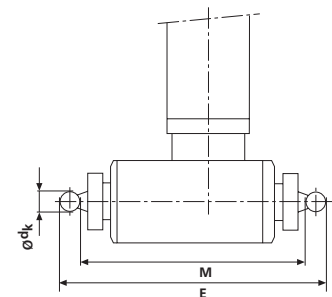
application range M [mm]		thread	Code
KT 12	1 set ball inserts with tungsten carbide balls of your choice*; ball-Ø d over 0,8 up to 2 mm (1 x measuring pin, 1 x ball insert)	M 1,6	160 0001
	as above however with intermediate dimension		160 00101
KT 22	1 set ball inserts with tungsten carbide balls of your choice*; ball-Ø d over 0,8 up to 4 mm	M 1,6	161 00001
	as above however with intermediate dimension		161 00101
	1 set ball inserts with tungsten carbide balls of your choice*; up to ball-Ø d 7 mm	M 2,5	162 00001
KT 55	as above however with intermediate dimension		162 00101
	1 set ball inserts with tungsten carbide balls of your choice*; ball-Ø d over 7 up to 10 mm		162 00003
	as above however with intermediate dimension		162 00103
	reducing socket for the use of ball inserts	M1,6/M2,5	162 00032
KT 250/510	KT 22 in KT 55		
	1 set ball inserts with tungsten carbide balls of your choice*; up to ball-Ø d 7 mm	M 4	163 00001
	as above however with intermediate dimension		163 00101
	1 set ball inserts with tungsten carbide balls of your choice*; ball-Ø d over 7 up to 10 mm	M4/M 2,5	163 00003
	as above however with intermediate dimension		163 00103
	reducing socket for the use of ball inserts		162 00004
	KT 55 in KT 250/510		



even number of teeth



odd number of teeth



SUBITO® KT - dimensions

* Ball inserts with standard ball diameter < 10 mm according to our tungsten carbide ball list on page 30.

Ball inserts with tungsten carbide ball diameter < 0,8 mm and > 10 mm on inquiry.

Splined Plug Gauge

FOR MEASURING THE DIAMETRAL TWO-BALL DIMENSION IN THE RANGE M (DISTANCE BETWEEN BALLS) 12 - 100 MM - MEASURING WITHOUT TIPPING OF THE GAUGE.

- fully toothed design.
- plain design with positioning pin. on inquiry



Splined Plug Gauge

SUBITO® Precision Bore Gauge **SN**

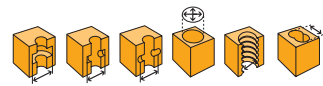
FOR MEASURING GROOVES AND RECESSES

Holder with retraction for measuring recesses with groove width from 3 mm; in wooden box, without dial gauge. Delivery with one measuring pin for the required diameter within the application range.

SUBITO® SN

application range [mm]	retraction [mm]	Code
60 - 120	8,5	165 00000
120 - 180	23	166 00000
180 - 300	30	167 00000

SERIES 165-167



SUBITO® SN for grooves and recesses

SUBITO® Precision Bore Gauge **ST**

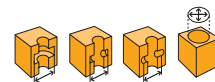
FOR MEASURING PILLOW BLOCK HOUSINGS, INTERNAL GROOVES AND RECESSES

with 180° rotatable fixed measuring pin; in wooden box, without dial gauge.

SUBITO® ST

application range [mm]		standard measuring depth	meas. depth 200 [mm]	meas. depth 400 [mm]	meas. depth 750 [mm]
30 - 52	ST 52	170 00000	170 00001	170 00002	170 00003
50 - 70	ST 70	171 00000	171 00001	171 00002	171 00003
60 - 100	ST 100	172 00000	172 00001	172 00002	172 00003
80 - 150	ST 150	173 00000	173 00001	173 00002	173 00003
120 - 220	ST 220	174 00000	-	174 00002	174 00003
180 - 360	ST 360	175 00000	-	175 00002	175 00003
290 - 530	ST 530	176 00000	-	176 00002	176 00003

SERIES 170-176



SUBITO® ST with fixed measuring pin turned in

Precision Bore Gauge **ON/ONM**

FOR MEASURING GROOVES AND RECESSES

Complete set consists of basic unit and expanding probe ON, ONM (additionally with measuring slides); retraction travel up to 10 mm (standard); up to 20 mm from Ø 40 mm possible; delivery in wooden box, without expanding probe and dial gauge.

expanding probe ON: probe with determined range of application.

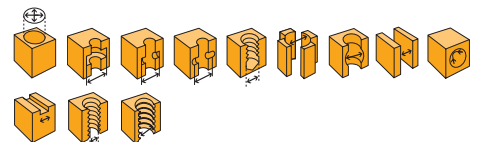
expanding probe ONM: probe with flexible range of application through movable slides, which have to be ordered separately.

BASIC UNIT ON/ONM

	Code
holder for expanding probe ON and ONM for Ø 6 - 55 mm	190 00000
from Ø 20 mm*	190 00042

* with stronger spring

SERIES 190



ON / ONM basic unit with expanding probe ON, ONM and measuring slides