

Digital Self-Centering Inside Micrometer 44 EX



Application

- For measuring:
- through holes
 - blind holes
 - centering shoulders

Features

Functions:

- 0 (Setting the display to zero for Relative measurement)
- ABS (Switching between Relative and Absolute measurement)
- mm/inch
- PR (Reference setting)

- Basic Instrument consists of: Basic Unit 44 EXg and Measuring Head 44 Ak

- Threaded connection for changing the measuring heads

- Self-Centering measuring head consists of 3 laterally positioned anvils, each are offset at intervals of 120°

- Anvils from 12.5 mm are carbide tipped

- From 12.5 mm the anvils can be used to measure to the bottom of a bore

- From 40 mm all measuring heads are made from aluminum to reduce weight

- Supplied with: Case, battery and operating instructions

Technical Data

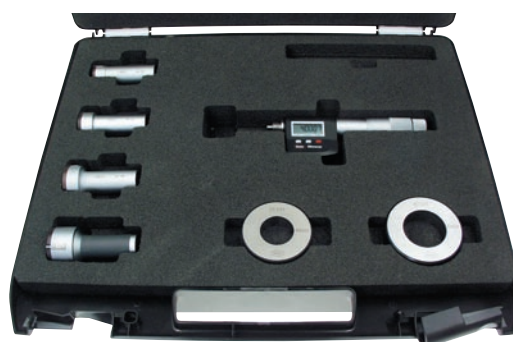
Measuring range mm		(inch)	Readings mm/inch	Error limit G* µm	Order no.
6 - 8	(.25 - .3125")		0.001/.00005"	4	4191000
8 - 10	(.3125 - .4")		0.001/.00005"	4	4191001
10 - 12.5	(.4 - .5")		0.001/.00005"	4	4191002
12.5 - 16	(.5 - .625")		0.001/.00005"	4	4191003
16 - 20	(.625 - .775")		0.001/.00005"	4	4191004
20 - 25	(.775 - 1.0")		0.001/.00005"	4	4191005
25 - 30	(1.0 - 1.2")		0.001/.00005"	4	4191006
30 - 35	(1.2 - 1.4")		0.001/.00005"	4	4191007
35 - 40	(1.4 - 1.6")		0.001/.00005"	4	4191008
40 - 50	(1.6 - 2.0")		0.001/.00005"	4	4191009
50 - 60	(2.0 - 2.35")		0.001/.00005"	5	4191010
60 - 70	(2.35 - 2.75")		0.001/.00005"	5	4191011
70 - 85	(2.75 - 3.35")		0.001/.00005"	5	4191012
85 - 100	(3.35 - 4.0")		0.001/.00005"	5	4191013
100 - 125	(4.0 - 4.9")		0.001/.00005"	6	4191014
125 - 150	(4.9 - 5.9")		0.001/.00005"	6	4191015
150 - 175	(5.9 - 6.9")		0.001/.00005"	7	4191016
175 - 200	(6.9 - 7.9")		0.001/.00005"	7	4191017

* Over the full length of the anvils

Digital Self-Centering Inside Micrometer Sets 44 EXS

Measuring range mm		(inch)	Number of measuring heads 44 Ak	Ring gages dia. mm	Order no.
6 - 12.5	(.25 - .5")		3	8 / 10	4191050
12.5 - 25	(.5 - 1")		3	16 / 20	4191051
25 - 50	(1 - 2")		4	30 / 40	4191052
50 - 100	(2 - 4")		4	60 / 85	4191053

- Supplied with:
1 Basic Unit 44 EXg, Measuring Heads 44 Ak, case and ring gages (includes a traceable calibration certificate for the ring gages)



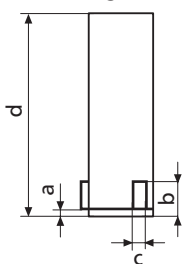
Accessories für 44 A, 44 EX, 844 A

Measuring Heads 44 Ak for 44 EX and 844 A

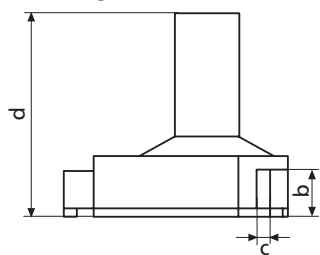
- Self-centering measuring head consists of 3 laterally positioned anvils, each are offset at intervals of 120°
- Anvils from 12.5 mm are carbide tipped
- From 12.5 mm, anvils can be used to measure to the base of a bore
- From 40 mm all measuring heads are made from aluminum to reduce weight

Measuring range mm	(inch)	Order no.
6 - 8	(.25 - .3125")	4190030
8 - 10	(.3125 - .4")	4190031
10 - 12.5	(.4 - .5")	4190032
12.5 - 16	(.5 - .625")	4190033
16 - 20	(.625 - .775")	4190034
20 - 25	(.775 - 1.0")	4190035
25 - 30	(1.0 - 1.2")	4190036
30 - 35	(1.2 - 1.4")	4190037
35 - 40	(1.4 - 1.6")	4190038
40 - 50	(1.6 - 2.0")	4190039
50 - 60	(2.0 - 2.35")	4190040
60 - 70	(2.35 - 2.75")	4190041
70 - 85	(2.75 - 3.35")	4190042
85 - 100	(3.35 - 4.0")	4190043
100 - 125	(4.0 - 4.9")	4190044
125 - 150	(4.9 - 5.9")	4190045
150 - 175	(5.9 - 6.9")	4190046
175 - 200	(6.9 - 7.9")	4190047

Meas. range 6 - 12.5 mm



Meas. range 12.5 - 200 mm



Measuring range

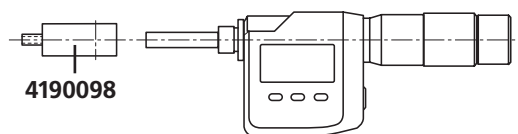
mm	a	b	c	d
6 - 8	1.3	4.3	2	64
8 - 10	1.8	4.8	2	64
10 - 12.5	2	6	2.5	64
12.5 - 16	—	7	3	65
16 - 20	—	8.5	4	65
20 - 25	—	11	4	70
25 - 30	—	11	4	70
30 - 35	—	12	5	71
35 - 40	—	12	5	71
40 - 50	—	18	5	79
50 - 60	—	18	7	79
60 - 70	—	18	7	79
70 - 85	—	18	7	97
85 - 100	—	18	7	97
100 - 125	—	19	7	132
125 - 150	—	19	7	132
150 - 175	—	19	7	132
175 - 200	—	19	7	132

Ring Gages 44 Ae

- Can be used for 2 consecutive measuring ranges
- Manufacturing tolerance in accordance to DIN 2250C
- Includes a traceable calibration certificate

dia. mm	Order no.	dia. mm	Order no.
8	4190300	40	4190305
10	4190301	60	4190306
16	4190302	85	4190307
20	4190303	125	4190308
30	4190304	175	4190309

Basic Unit 44 EXg



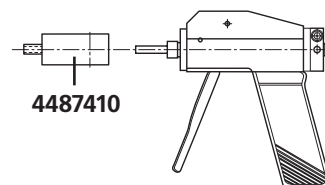
Threaded connection for changing the measuring heads.

Measuring range mm	(inch)	Order no.
6 - 12.5	(.25 - .5")	4190104
12.5 - 100*	(.5 - 4.0")	4190105
20 - 100	(.775 - 4.0")	4190101
100 - 200	(4.0 - 7.9")	4190102

* Includes adaptor 4190098

Basic Unit Measuring Pistol 844 Ag

Threaded connection for changing the measuring heads. Any indicating instrument with an 8 mm mounting shank can be used.



Measuring range mm	(inch)	Order no.
6 - 100*	(.25 - 4.0")	4487630
20 - 100	(.775 - 4.0")	4487631
100 - 200	(4.0 - 7.9")	4487632

* Includes adaptor 4487410

Depth Extension Rod 44 Av

Measuring range mm	(inch)	Length a mm	dia. b mm	Order no.
6 - 10	(.25 - .4")	75	5.8	4190090
10 - 20	(.4 - .775")	75	9.5	4190091
20 - 25	(.775 - 1")	150	19.0	4190092
25 - 200	(1 - 7.9")	150	22.0	4190093

