

**Willrich Precision**  
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## ETALON PISTOL GRIP Bore Gages

Self-aligning and self-centering bore gages with 3-line contact – All ROCH ALESOTEST are designed for measuring not only blind bores, but also through bores, as well as short centering shoulders, except for the models covering the application ranges from .236 in - 3.936 in / 6 to 10 mm.

- Built for strength, these bore gages are ideally suited for part series inspection on the production floor.
- ROCH ALESOTEST are used in conjunction with a value sensor (must be ordered separately). Use of a mechanical or electronic dial gage or axial probe is recommended. Supplied with 3/8" Collett.



The three measuring bolts are retracted for easy entry into the bore to be checked.

Measuring arms for application ranges .236" to .394 / 6 to 10 mm in hardened steel, 550 HV 30  
 .394" to 3.94" / 10 to 100 mm with tungsten carbide coating, hardness 1300 HV 5

Aluminum-coated main part

Application range .236" to 1.968" / 6 to 50 mm: 4µm  
 1.968" to 3.937" / 50 to 100 mm: 5 µm

Both given values are valid for the bore gages alone, without value sensor.

Models 1.58" up to 3.95" / 40 mm up to 100 mm are provided with an extension rod for the measuring insert L = .400" / 10 mm

Wooden case with free room for a 2.36" / 60 mm dia. dial gage

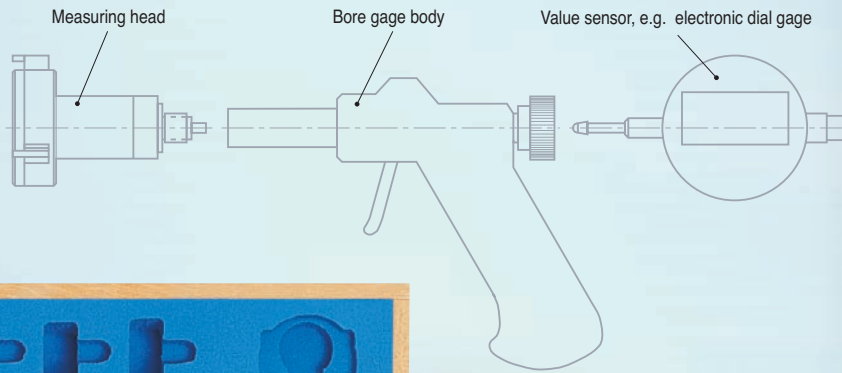
Identification number

Declaration of conformity

			in/mm		in			in		in/mm
	Full sets including:			Measuring heads		Main part	Setting rings		Extensions	
<b>62.90080</b>	28931	.236-.394 / 6-10		09.90100 .236 - .315 09.90101 .315 - .394		09.90200	21.60001	.3149	08.1625081	4 / 100
<b>62.90081</b>	28932	.394-.787 / 10-20		09.90102 .394 - .492 09.90103 .492 - .591 09.90104 .591 - .689 09.90105 .689 - .787		09.90201	21.60002 21.60003	.4921 .6889	08.1625082	4 / 100
<b>62.90082</b>	28933	.787-1.575 / 20-40		09.90106 .787 - .984 09.90107 .984 - 1.181 09.90108 1.181 - 1.377 09.90109 1.377 - 1.575		09.90202	21.60004 21.60005	.9842 1.3779	08.1625083	6 / 150
<b>62.90083</b>	28934	1.575-2.756 / 40-70		09.90110 1.575 - 1.968 09.90111 1.968 - 2.362 09.90112 2.362 - 2.756		09.90203	21.60006 21.60007	1.7716 2.3622	08.1625084	6 / 150
<b>62.90084</b>	28935	2.756-3.936 / 70-100		09.90113 2.756 - 3.346 09.90114 3.346 - 3.936		09.90204	21.60008 21.60010	3.3464 3.5433	08.1625085	6 / 150

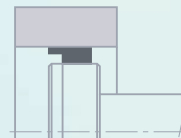
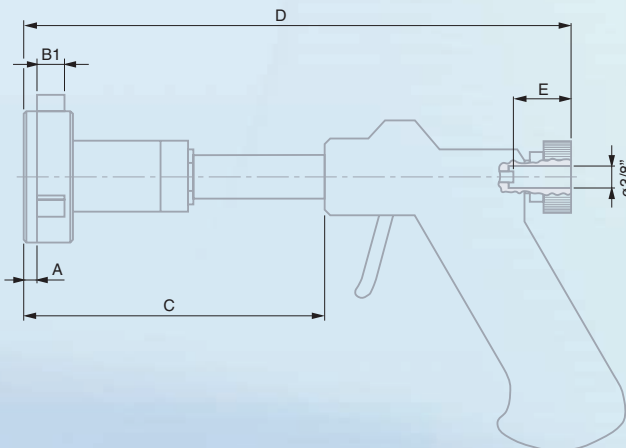


# Internal Micrometers



## Cases for Partial Sets

No	EDP	in/mm
08.1669521	28576	.240 - .400 / 6 - 10
08.1669522	28577	.400 - .790 / 10 - 20
08.1669523	28578	.790 - 1.58 / 20 - 40
08.1669524	28579	1.58 - 2.76 / 40 - 70
08.1669525	28580	2.76 - 3.94 / 70 - 100



mm	Amm*	Bmm	Cmm	Dmm	Emm
6 - 10	1.2	3	54.5	144.4	18.4
10 - 15	0	6.5	64.5	154.5	18.4
15 - 20	0	6.8	64.5	154.5	18.4
20 - 40	0	8.5	70	160	28.4
40 - 70	0	14.5	103.7	198.7	29.4
70 - 100	0	14.5	134.7	216.7	28.3

\* Non-applicable for the models from 10 mm since the measuring bolts are close to the instrument's front face