

# ETALON INTALOMETER 531

Made to check through holes, blind bores and short centring shoulders. All models covering the application ranges up to 100 mm have sloped bolts extending beyond the front face of the measuring head.



Models from 10 to 100 mm: DIN 863 T4 (Style C2) NF E 11-099

Models from 5 to 100 mm: 0,002 mm or 0.0001 in. Models with vernier reading 100 to 300 mm: 0,01 mm or 0.001 in

Measuring bolts on models from 5 to 100 mm: hardened steel. 100 to 300 mm: tungsten carbide tipped

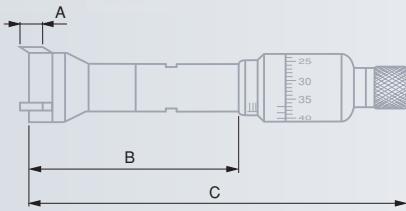
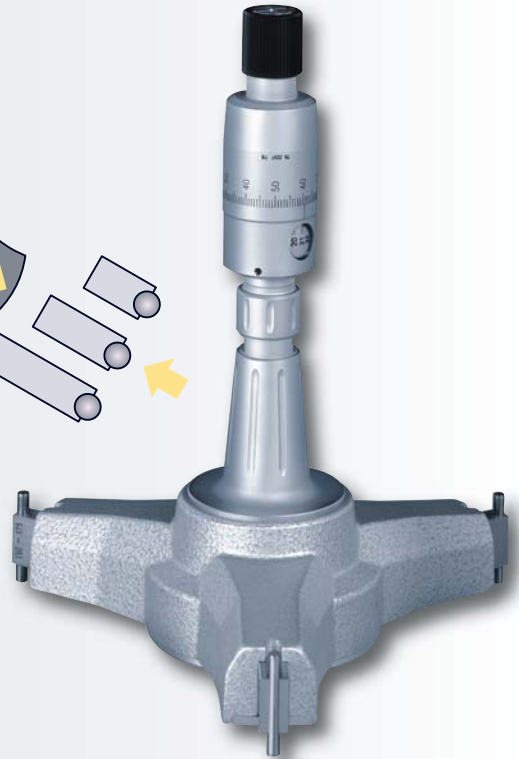
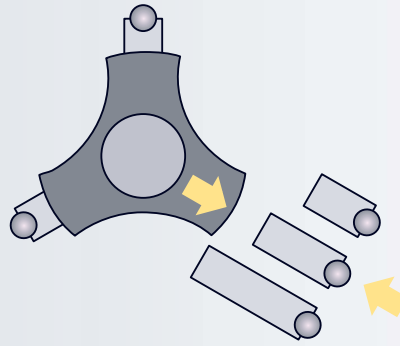
Max. perm. error for models covering the application ranges from 5 to 40 mm / 0.188 to 1.604 in = 3 µm  
40 to 100 mm / 1.595 to 4.005 in = 4 µm  
100 to 300 mm / 4 to 6 in = 5 µm

Repeatability limit for models covering the application ranges from 5 to 40 mm / 0.188 to 1.604 in = 3 µm  
40 to 100 mm / 1.595 to 4.005 in = 4 µm  
100 to 300 mm / 4 to 6 in = 5 µm

Protective case or carrying case

Identification number

Inspection report with a declaration of conformity



No	mm		No	in		Angle	A mm	B mm	C mm
	mm	in		mm	in				
078112356	5 ÷ 6	0.188 ÷ 0.238	078112374	0.188 ÷ 0.238	2 x 180°	3	≥ 32	≤ 109	
078112357	6 ÷ 7	0.233 ÷ 0.278	078112375	0.233 ÷ 0.278	2 x 180°	3	≥ 33	≤ 111	
078112358	7 ÷ 8,5	0.272 ÷ 0.338	078112376	0.272 ÷ 0.338	2 x 180°	4	≥ 60	≤ 130	
078112359	8,5 ÷ 10	0.332 ÷ 0.402	078112377	0.332 ÷ 0.402	2 x 180°	4	≥ 72	≤ 133	
078112360	10 ÷ 12,5	0.396 ÷ 0.502	078112378	0.396 ÷ 0.502	3 x 120°	3	≥ 60	≤ 118	
078112361	12,5 ÷ 15	0.496 ÷ 0.602	078112379	0.496 ÷ 0.602	3 x 120°	3	≥ 63	≤ 120	
078112362	15 ÷ 17,5	0.596 ÷ 0.704	078112380	0.596 ÷ 0.704	3 x 120°	3	≥ 65	≤ 122	
078112363	17,5 ÷ 20	0.696 ÷ 0.804	078112381	0.696 ÷ 0.804	3 x 120°	3	≥ 68	≤ 125	
078112364	20 ÷ 25	0.794 ÷ 1.004	078112382	0.794 ÷ 1.004	90°-135°-135°	7	≥ 75	≤ 132	
078112365	25 ÷ 30	0.994 ÷ 1.204	078112383	0.994 ÷ 1.204	90°-135°-135°	7	≥ 80	≤ 138	
078112366	30 ÷ 35	1.194 ÷ 1.404	078112384	1.194 ÷ 1.404	90°-135°-135°	7	≥ 90	≤ 142	
078112367	35 ÷ 40	1.394 ÷ 1.604	078112385	1.394 ÷ 1.604	90°-135°-135°	7	≥ 90	≤ 148	
078112368	40 ÷ 45	1.595 ÷ 1.805	078112386	1.595 ÷ 1.805	90°-135°-135°	10,5	≥ 110	≤ 167	
078112369	45 ÷ 50	1.795 ÷ 2.005	078112387	1.795 ÷ 2.005	90°-135°-135°	10,5	≥ 113	≤ 170	
078112370	50 ÷ 60	1.995 ÷ 2.405	078112388	1.995 ÷ 2.405	90°-135°-135°	15	≥ 123	≤ 187	
078112371	60 ÷ 70	2.395 ÷ 2.805	078112389	2.395 ÷ 2.805	90°-135°-135°	15	≥ 130	≤ 193	
078112372	70 ÷ 85	2.795 ÷ 3.405	078112390	2.795 ÷ 3.405	90°-135°-135°	15	≥ 145	≤ 213	
078112373	85 ÷ 100	3.395 ÷ 4.005	078112391	3.395 ÷ 4.005	90°-135°-135°	15	≥ 155	≤ 224	
078110733	100 ÷ 125	4 ÷ 5	078111174	4 ÷ 5	3 x 120°	27	≥ 105	≤ 194	
078110735	125 ÷ 150	5 ÷ 6	078111176	5 ÷ 6	3 x 120°	27	≥ 105	≤ 194	
078110737	150 ÷ 175				3 x 120°	27	≥ 105	≤ 194	
078110739	175 ÷ 200				3 x 120°	27	≥ 105	≤ 194	
078110741	200 ÷ 225				3 x 120°	27	≥ 105	≤ 194	
078110743	225 ÷ 250				3 x 120°	27	≥ 105	≤ 194	
078110745	250 ÷ 275				3 x 120°	27	≥ 105	≤ 194	
078110747	275 ÷ 300				3 x 120°	27	≥ 105	≤ 194	



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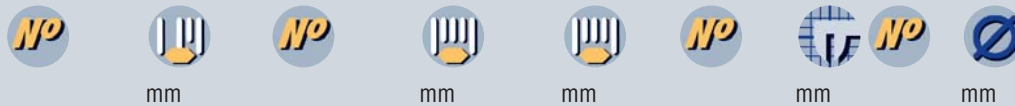
## Metric Tool Sets



For technical data, see page C-21. For setting rings, report to page C-24.

Protective case or carrying case

Inspection report with a declaration of conformity



<i>Full sets including</i>		<i>Single micrometers</i>		<i>Extensions</i>		<i>Setting rings</i>	
<b>078110592</b>	5 ÷ 10	078112356	5 ÷ 6	078103613	100	00840114	6
		078112357	6 ÷ 7			00840115	8,5
		078112358	7 ÷ 8,5				
		078112359	8,5 ÷ 10				
<b>078110594</b>	10 ÷ 20	078112360	10 ÷ 12,5	078103621	150	00840116	12,5
		078112361	12,5 ÷ 15			00840117	17,5
		078112362	15 ÷ 17,5				
		078112363	17,5 ÷ 20				
<b>078110596</b>	20 ÷ 40	078112364	20 ÷ 25	078103624	150	00840106	25
		078112365	25 ÷ 30			00840107	35
		078112366	30 ÷ 35				
		078112367	35 ÷ 40				
<b>078110598</b>	40 ÷ 100	078112368	40 ÷ 45	078104940	150	00843230	45
		078112369	45 ÷ 50			00843239	60
		078112370	50 ÷ 60			00840118	85
		078112371	60 ÷ 70				
		078112372	70 ÷ 85				
		078112373	85 ÷ 100				
<i>Partial sets including</i>		<i>Single micrometers</i>	<i>Measuring bolts</i>		<i>Extensions</i>		
<b>078110749</b>	100 ÷ 150	078110733	078111003*	100 ÷ 125	078104940	150	
			078111004	125 ÷ 150			
<b>078110751</b>	150 ÷ 300	078110737	078111005*	150 ÷ 175	078104940	150	
			078111006	175 ÷ 200			
			078111007	200 ÷ 225			
			078111008	225 ÷ 250			
			078111009	250 ÷ 275			
			078111010	275 ÷ 300			

\* Bolt set provided with either of both single micrometers No. 078110733 and 078110737.

# ETALON INTALOMETRE 531

## Inch Tool Sets



For technical data, see page C-21. For setting rings, report to page C-24.

Protective case or carrying case

Inspection report with a declaration of conformity



Full sets including		Single micrometers		Extensions		Setting rings	
<b>078110600</b>	0.188 ÷ 0.402	078112374	0.188 ÷ 0.238	078103613	100	00850100	0.200
		078112375	0.233 ÷ 0.278			00850114	0.250
		078112376	0.272 ÷ 0.388			00850115	0.300
		078112377	0.332 ÷ 0.402			00850101	0.350
<b>078110602</b>	0.396 ÷ 0.804	078112378	0.396 ÷ 0.502	078103621	150	00850103	0.500
		078112379	0.496 ÷ 0.602			00850105	0.700
		078112380	0.596 ÷ 0.704				
		078112381	0.696 ÷ 0.804				
<b>078110604</b>	0.794 ÷ 1.604	078112382	0.794 ÷ 1.004	078103624	150	00850106	1.000
		078112383	0.994 ÷ 1.204			00850107	1.400
		078112384	1.194 ÷ 1.404				
		078112385	1.394 ÷ 1.604				
<b>078110606</b>	1.595 ÷ 4.005	078112386	1.595 ÷ 1.805	078104940	150	00850116	1.800
		078112387	1.795 ÷ 2.005			00850118	2.400
		078112388	1.995 ÷ 2.405			00850117	3.400
		078112389	2.395 ÷ 2.805				
		078112390	2.795 ÷ 3.405				
		078112391	3.395 ÷ 4.005				
Partial sets including		Single micrometers	Measuring bolts	Extensions			
<b>078111179</b>	4 ÷ 6	078111174	078111011*	4 ÷ 5	078104940	150	
			078111012	5 ÷ 6			

\* Bolt set provided with the single micrometer No. 078111174