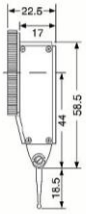
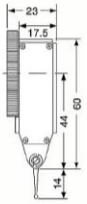
Lever-type test indicators

- Measuring range: up to 0.8 mm.
- Graduation: 0.01 or 0.002 mm.
- With dovetail joint and clamping stems ø6 and ø8 mm.
- Dial diameter: 40 mm.
- Rotatable dial.
- Stylus tip: ø2 mm.
- Delivery with an inspection report.

NEW



Schut



Item No.	Measuring range/mm	Graduation mm	Scale numbering	Insert length/mm
907.941	0.8	0.01	0-40-0	19
907.942	0.2	0.002	0-100-0	13

Options:
909.114 Steel spare stylus tip for 907.941
909.115 Steel spare stylus tip for 907.942
906.663 Ruby spare stylus tip for 907.941
906.664 Ruby spare stylus tip for 907.942

Peacock lever-type dial test indicators

- Measuring range: up to 1 mm.
- Graduation: 0.01, 0.002 or 0.001 mm.
- With dovetail joint and clamping stem ø6 mm.
- Measuring force: <0.3 N (except 855.610: 0.05 N).
- Tungsten carbide stylus tip: ø2 mm.
- Insert thread: M1.7.

Inserts for lever-type dial test indicators

Item No.	Effective length (EL)/mm	Ball ø/mm	Price EUR
For 855.601, 855.605 and 855.610:			
859.016	17.74	2	
859.152	17.74	1	
859.151	17.74	0.8	
859.290	17.74	0.5	
For 855.602:			
859.126	39.00	2	
859.291	39.00	1	
859.292	39.00	0.8	
859.293	39.00	0.5	
For 855.603 and 855.606:			
859.200	14.33	2	
859.294	14.33	1	
859.295	14.33	0.8	
859.296	14.33	0.5	
For 855.604:			
859.259	8.13	2	
859.297	8.13	1	
859.298	8.13	0.8	
859.299	8.13	0.5	
For 855.611:			
859.464	19.24	2	
859.465	19.24	1	
859.466	19.24	0.8	
859.467	19.24	0.5	

Schut

Item No.	Measuring range/mm	Graduation mm	Dial ø/mm	Scale numbering	Insert	Total insert length (TL)/mm	Price EUR
Horizontal:							
855.601	0.5	0.01	35	0-25-0	859.016	21.3	
855.602	1	0.01	35	0-50-0	859.126	42.8	
855.603	0.28	0.002	35	0-140-0	859.200	17.9	
855.604	0.14	0.001	35	0-70-0	859.259	11.7	
855.611	0.8	0.01	35	0-40-0	859.464	22.4	
855.610	0.5	0.01	35	0-25-0	859.016	21.3	
Perpendicular:							
855.605	0.5	0.01	35	0-25-0	859.200	21.3	
855.606	0.28	0.002	35	0-140-0	859.200	17.9	

Mitutoyo lever-type dial test indicators 0.01 mm

These dial test indicators are able to measure in both directions without having to switch direction.

- Measuring range: up to 1 mm.
- Graduation: 0.01 mm.
- With dovetail joint and clamping stem ø8 mm.
- Dial diameter: ø40 mm.
- Tungsten carbide stylus tip: ø2 mm.
- Insert thread: M1.7 (optional inserts on request).
- Jewel beared clockwork.
- Antimagnetic.
- Delivery in a case with a clamping stem.
- Various different models available.

Schut

NEW

Inserts

Item No.	Ball ø/mm
For 513.424/426:	
137.557[1]	2
290.654[2]	0.5
190.653[2]	0.7
137.558[1]	1
137.559[1]	3
For 513.414:	
131.324[1]	2
131.316[1]	1
For 513.403/454/484:	
103.006[1]	2
290.549[2]	0.5
290.550[2]	0.7
103.013[1]	1
210.201[3]	2
103.014[1]	3
For 513.415:	
136.013[1]	2
290.656[2]	0.5
290.655[2]	0.7
136.235[1]	1
211.211[3]	2
136.236[1]	3

[1] Tungsten carbide.
[2] Steel.
[3] Ruby.

Item No.	Measuring range/mm	Accuracy f_{ges}/mm	Hysteresis mm	Measuring force/N	Scale numbering	Insert	Insert length (L1/L2)/mm
Horizontal model:							
513.424	0.5	0.006	0.004	≤0.3	0-25-0	137.557	22.2/18.7
513.426	1.5	0.016	0.005	≤0.4	0-25-0	137.557	22.2/18.7
513.414	0.5	0.010	0.005	≤0.2	0-25-0	131.324	37.4/33.9
513.403	0.8	0.009	0.004	≤0.3	0-40-0	103.006	20.9/17.4
513.415	1	0.010	0.005	≤0.2	0-50-0	136.013	44.5/41.0
Vertical model:							
513.454	0.8	0.009	0.004	≤0.3	0-40-0	103.006	20.9/17.4
Parallel model:							
513.484	0.8	0.009	0.004	≤0.3	0-40-0	103.006	20.9/17.4

Mitutoyo lever-type dial test indicators 0.001 and 0.002 mm

These dial test indicators are able to measure in both directions without having to switch direction.

- Measuring range: up to 0.6 mm.
- Graduation: 513.401: 0.001 mm, 513.465/406/425: 0.002 mm.
- With dovetail joint and clamping stem ø8 mm.
- Dial diameter: 513.465: ø29 mm, 513.401/406/425: ø40 mm.
- Tungsten carbide stylus tip: ø2 mm.
- Insert thread: M1.7 (optional inserts on request).
- Jewel beared clockwork.
- Antimagnetic.
- Delivery in a case with a clamping stem.
- Various different models available.

NEW

Inserts

Item No.	Ball ø/mm
For 513.465/406/425	
103.011[1]	2
131.314[1]	1
131.315[1]	3
210.068[2]	2
For 513.401:	
103.010[1]	2
290.547[3]	0.5
290.548[3]	0.7
103.017[1]	1
210.209[2]	2
103.018[1]	3

[1] Tungsten carbide.
[2] Ruby.
[3] Steel.

Item No.	Measuring range/mm	Accuracy f_{ges}/mm	Hysteresis mm	Measuring force/N	Scale numbering	Insert	Insert length (L1/L2)/mm
513.401	0.14	0.004	0.003	≤0.3	0-70-0	103.010	14.7/11.2
513.465	0.2	0.004	0.003	≤0.3	0-100-0	103.011	18.7/15.2
513.406	0.2	0.004	0.003	≤0.3	0-100-0	103.011	18.7/15.2
513.425	0.6	0.007	0.004	≤0.4	0-100-0	103.011	18.7/15.2

Mitutoyo lever-type dial test indicator sets

The set consists of:
– lever-type dial test indicator,
– insert with hard chrome plated tip ø1 mm,
– insert with tungsten carbide tip ø2 mm,
– insert with hard chrome plated tip ø3 mm,
– union nut,
– clamping stem ø4 mm,
– clamping stem ø8 mm,
– universal rotatable holder,
– clamping stem for height gauge (9x9x100 mm),
– case.

Item No.	Description
513.404	Lever-type dial test indicator 0.8 mm with several accessories
513.408	Lever-type dial test indicator 0.2 mm with several accessories

Schut

TESA lever-type dial test indicators

- Measuring range: up to 2 mm.
- Graduation: 0.02, 0.01 or 0.002 mm.
- With dovetail joint.
- Tungsten carbide (Tesatast) or ruby (Swisstast) stylus tip, ø2 mm.
- Insert thread: M1.4.
- DIN 2270.
- Delivery with a clamping stem (780.172) and a declaration of conformity.

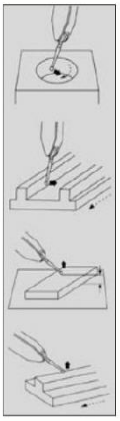

780.143-
780.148


780.149-
780.151


780.152-
780.154


781.465-
781.467

Item No.	Measuring range/mm	Graduation mm	Dial ø/mm	Scale numbering	Insert length/mm
Tesatast, horizontal:					
780.143	0.8	0.01	28	0-0.4-0	12.53
780.144	0.8	0.01	38	0-0.4-0	12.53
780.145	0.5	0.01	28	0-0.25-0	36.53
780.146	0.5	0.01	38	0-0.25-0	36.53
780.147	0.2	0.002	28	0-100-0	12.53
780.148	0.2	0.002	38	0-100-0	12.53
Tesatast, lateral:					
780.149	0.8	0.01	28	0-0.4-0	12.53
780.150	2.0	0.02	38	0-1.0-0	36.53
780.151	0.2	0.002	28	0-100-0	12.53
Tesatast, perpendicular:					
780.152	0.8	0.01	28	0-0.4-0	12.53
780.153	0.5	0.01	28	0-0.25-0	36.53
780.154	0.2	0.002	38	0-100-0	12.53
Swisstast, horizontal:					
781.466	0.8	0.01	28	0-0.4-0	12.53
781.467	0.2	0.002	38	0-100-0	12.53



Interapid lever-type dial test indicators

- Measuring range: up to 1.6 mm.
- Graduation: 0.01 or 0.002 mm.
- Angle between insert and workpiece for true reading: 12°.
- With dovetail joint and clamping stem ø4 mm.
- Hardened steel stylus tip: ø2 mm.
- Insert thread: M1.7 (optional inserts on request).
- Delivery in a case with a declaration of conformity.

The sets consist of:
- dial test indicator,
- rectangular holder with clamp,
- reducing sleeve,
- swivel holder,
- key,
- case.


781.520


781.524


781.526

Item No.	Measuring range/mm	Graduation mm	Dial ø/mm	Scale numbering	Insert length/mm	Item No.
Horizontal:						**In a set:**
781.520	1.6	0.01	37.5	0-40-0	16.5	781.526
781.521	1.6	0.01	30	0-40-0	16.5	781.527
781.522	0.4	0.002	37.5	0-10-0	15.2	781.528
781.523	0.4	0.002	30	0-10-0	15.2	781.529
Perpendicular:						
781.524	1.6	0.01	37.5	0-40-0	16.5	
781.525	1.6	0.01	30	0-40-0	16.5	

Käfer lever-type dial test indicators

Käfer lever-type dial test indicators have a very high accuracy because of the ruby ball bearing. The direction of the rotation is independent of the measuring direction. Equipped with three dovetail mountings. Are standard delivered with a clamping stem ø8 mm.

- Measuring range: up to 0.8 mm.
- Graduation: 0.01 or 0.002 mm.
- With dovetail joint and clamping stem ø8 mm.
- Rotatable dial.
- Tungsten carbide stylus tip: ø2 mm.
- Insert thread: M1.6 (optional inserts on request).
- 240° adjustable measuring insert.
- Ruby ball bearing.
- DIN 2270.
- Delivery in a case incl. key.
- Various different models available.


852.361


852.362


852.363

Item No.	Measuring range/mm	Graduation mm	Dial ø/mm	Scale numbering	Insert length/mm
852.361	0.8	0.01	32	0-40-0	12
852.362	0.5	0.01	32	0-25-0	35
852.363	0.2	0.002	40	0-100-0	12

Käfer saw tooth indicator

By placing the indicator on the saw blade you can easily measure the flatness of the blade, enabling you to saw very precisely. With the indicator you can also measure the height difference between the saw blade and the tooth. This principal of differential measuring of thickness or heights is not only suited for saw blades, but has many other applications.

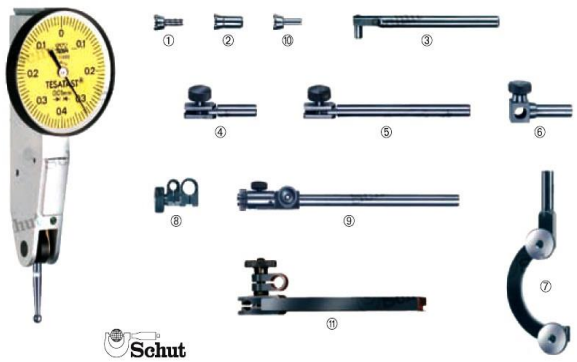
Because the indicator has a two-sided read-out, it is usable for left- as well as right-handers.

- Measuring range: 0-2 mm.
- Graduation: 0.05 mm.
- Rotatable dial.
- Adjustable tolerance marker.

Item No.	Description
852.364	Saw tooth indicator

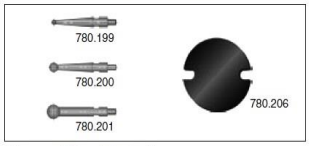
TESA dial test indicator accessories

Item No.	Description
780.171	① Fixing shaft ø4x12 mm
780.172	② Fixing shaft ø8x12 mm
780.173	③ Cylindrical fixing shaft ø8x80 mm, clamping shaft ø5.6 mm
780.175	④ Swivelling holder ø8x25 mm
780.176	⑤ Swivelling holder ø8x90 mm
780.177	⑥ Angle holder ø8x25 mm, clamping shaft ø8 mm
780.178	⑦ Centering support ø8x25 mm, clamping shaft ø4 mm
780.208	⑧ Double fixing clamp ø5.6/ø9.5 mm, with dovetail clamp
782.787	⑨ Swivelling holder ø8x125 mm, with fine adjustment
782.590	⑩ Fixing shaft ø6x12 mm
855.600	⑪ Fixing shaft 9x11x106 mm complete with dovetail clamp and clamping shaft ø6 mm



Measuring inserts for lever-type dial test indicators

Inserts for TESA lever-type dial test indicators, with tungsten carbide* tip and thread M1.4


780.199
780.200
780.201
780.206

* Also available with ruby tip.

Item No.	Length/mm	ø/mm
780.199	12.53	1
780.200	12.53	2
780.201	12.53	3
780.202	36.53	1
780.203	36.53	2
780.204	36.53	3
780.206	Key	

Accessories dial indicators/dial test indicators

Item No.	Description
909.433	Centering support ø 8 x 25 mm, holder ø 4 mm
909.434	Rectangular fixing shaft 12 x 6 x 76 mm, holder ø 4/ø 8 mm and dovetail clamp
909.435	Rectangular fixing shaft 12 x 6 x 76 mm, holder ø 6/ø 8 mm and dovetail clamp
909.436	Rectangular fixing shaft 9 x 9 x 76 mm, holder ø 4/ø 8 mm and dovetail clamp
909.437	Rectangular fixing shaft 9 x 9 x 76 mm, holder ø 6/ø 8 mm and dovetail clamp
909.438	Round, swivelling fixing shaft ø 6 x 70 mm, holder with dovetail clamp
909.439	Round, swivelling fixing shaft ø 8 x 70 mm, holder with dovetail clamp

Reducer

Item No.	Thread
781.819	ø 8 → 4 mm
837.190	ø 8 → 6 mm

Center-accessory

Small magnetic dial indicator stand which, in combination with a lever, could also be used as center-accessory to align bores in workpieces. For use in combination with a machine center.

- Permanent magnet ø 27 mm.
- Universal pivot with dovetail clamp.
- Delivery incl. cylindrical support ø 9.5 mm for insert in the collet chuck of a machine center.

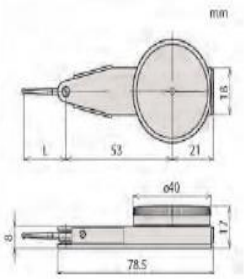
Item No.	Description
781.997	Center-accessory

Lever Indicator Parallel Type

Series 513

- Centered, bi-directional action for automatic reversal of measuring direction.
- Rotatable scale for easy zero setting.
- Jewelled bearings and precision gears and pinions for smooth, accurate movement and quick response.

513-284



Metric — Basic set

No.	Range [mm]	Graduation	Scale	fe [µm]	fu [µm]	fges [µm]	Carbide stylus tip ø2 mm No.	L [mm]	Measuring force [N]	Mass [g]	Price [€]
513-284GE	0.8	0.01 mm	0-40-0	8	3	13	108006	20.9	≤ 0.3	68	111.00