

Dial Test Indicators (Lever-type)

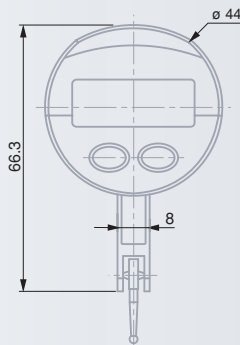
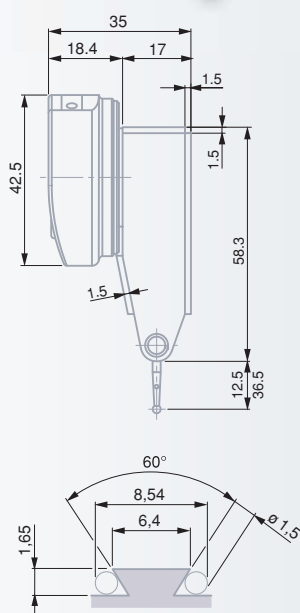


TESA IP65 Electronic Dial Test Indicators

Provide the advantages of mechanics combined with electronics – All in one.



- Inductive measuring system, patented.
- Analogue and numerical indication.
- Numerical interval to 0,01/0,001 mm.
- Selectable scale division: 10, 20, 50 $\mu\text{m}/1, 2, 5 \mu\text{m}$.
- Water and coolant resistant (IP65).
- Metric/inch conversion.
- RS 232 data output combined with external power supply.
- Displayed measuring modes (NOR/MIN/MAX/MAX-MIN).
- Automatic shut-down.
- Compatible with all TESATAST accessories.



No	mm	in	mm	Insert mm	N ($\pm 15\%$)
01830001	0,01/0,001	0.0005/0.00005	0,8	12,5	0,13
01830002	0,01/0,001	0.0005/0.00005	0,5	36,5	0,07

Accessories

No	
01961000	3V lithium battery, 190 mAh, type CR 2032
04761060	RS 232 connecting cable with external power supply
Compatible with all TESATAST measuring inserts and accessories	



LCD, 5 digits + sign

Digit height 6 mm

Resolution to 0,01/0,001 mm; .0005/.00005 in

Zero-setting

Max. perm. errors:
 $f_e = 10 \mu\text{m}$
 $f_{ps} = 13 \mu\text{m}$
Pre-span = 0,05 mm

Repeatability:
 $f_r = 1 \mu\text{m}$

Hysteresis:
 $f_h = 3 \mu\text{m}$

L = 12,5 mm; max. 0,05 m/s
L = 36,5 mm; max. 0,15 m/s

Number of measurements per second: 9

Operating temperature range: +5°C to +40°C

3 V lithium battery, type CR 2032

> 4000 hours

RS 232

73 g (L = 12,5 mm)
75 g (L = 36,5 mm)

EN 61326-1

Degree of protection IP65 (IEC 529)

Supplied in a plastic case along with:
1 Insert with a 2 mm dia. (No. 01860202)
1 Wrench (No. 01860307)
1 Mounting rod with a 8 mm dia. (No. 01840105)

Identification number

Declaration of conformity



DIN 2270
NF E 11-053

TESATAST Dial Test Indicators

These lever-type dial test indicators are especially intended for use on the shop floor or in the inspection room – Ideally suited for comparative measurements on a surface plate, for instance – Determine form, shape and position deviations as well as axial and runout errors.

- Bidirectional measuring with automatic reversal inside the movement.
- Continuous clockwise pointer rotation providing error-free reading.
- Insensitive to magnetic fields.
- Jewelled movement with 7 rubies.
- Ball-bearing lever system with measuring insert swivelling through to 240°.
- Very low measuring force.
- Full-metal construction giving exceptional robustness.
- Monobloc housing with 3 countersunk dovetail attachments.

Standard Models

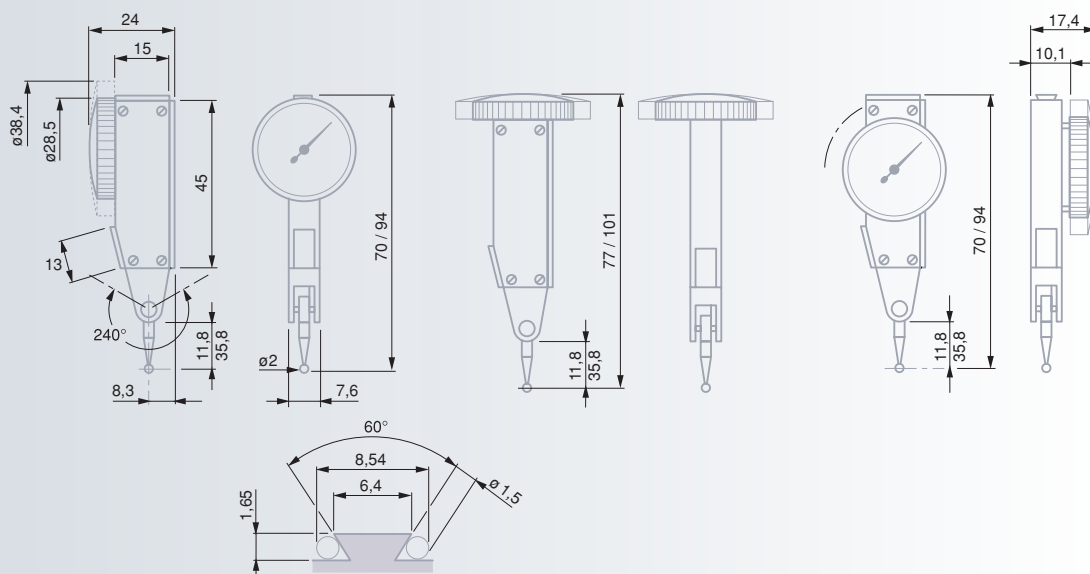
Well-proven dial test indicators with dial face mounted parallel to the insert's axis.

Perpendicular Models

Dial test indicators with dial face mounted at right angle to the insert's axis.

Lateral Models

Dial test indicators with dial face mounted parallel to the insert's axis, but on the flat side of the dial housing.



Permissible limits of a metrological characteristic (MPE/MPL)

		0,02 mm	0,01 mm	0,002 mm
	Deviation span, f_e	27 μm	10 μm	2 μm
	Deviation span within the local measuring span, f_l	0,20 mm	12 μm	
		0,10 mm	5 μm	
		0,02 mm		1 μm
	Total deviation span, f_{ges}	31 μm	13 μm	3,5 μm
	Repeatability limit, f_w	4 μm	3 μm	1 μm
	Max. hysteresis, f_h	4 μm	3 μm	1,5 μm
	Measuring force with insert lengths	12,53 mm	0,15 N	0,15 N
		36,53 mm	0,06 N	

TESATAST Standard Models



	mm				
01810005	0,01	0,8	28	0 ÷ 0,4 ÷ 0	12,53
01810006	0,01	0,8	38	0 ÷ 0,4 ÷ 0	12,53
01810007	0,01	0,5	28	0 ÷ 0,25 ÷ 0	36,53
01810008	0,01	0,5	38	0 ÷ 0,25 ÷ 0	36,53
01810009	0,002	0,2	28	0 ÷ 100 ÷ 0	12,53
01810010	0,002	0,2	38	0 ÷ 100 ÷ 0	12,53
S18001695	0,001	0,2	38	0 ÷ 100 ÷ 0	12,53

	in				
01820006	0.0005	0.030	1.1	0 ÷ 15 ÷ 0	1/2
01820007	0.0005	0.030	1.5	0 ÷ 15 ÷ 0	1/2
01820008	0.0005	0.020	1.1	0 ÷ 10 ÷ 0	1 7/16
01820009	0.0005	0.020	1.5	0 ÷ 10 ÷ 0	1 7/16
01820010	0.001	0.030	1.1	0 ÷ 15 ÷ 0	1/2
01820011	0.0001	0.008	1.1	0 ÷ 4 ÷ 0	1/2
01820012	0.0001	0.008	1.5	0 ÷ 4 ÷ 0	1/2
01820013	0.00005	0.008	1.5	0 ÷ 4 ÷ 0	1/2



DIN 2270
NF E 11-053



Rotating dial



Very low
measuring force
see table
on page G-3



Movement with
patented shock
proof system



Lever system
with friction
drive to prevent
overload



Accuracy:
see table on
page G-3



Supplied in
a plastic case
along with:
1 Insert with a 2 mm dia.
1 Wrench (No. 01860307)
1 Mounting rod with a 8 mm
dia. (No. 01840105)



Identification
number



Declaration
of conformity

SWISSTAST Standard Models



	mm				
01811000	0,01	0,8	28	0 ÷ 0,4 ÷ 0	12,53
01811001	0,002	0,2	38	0 ÷ 100 ÷ 0	12,53

* Same technical data as standard models, but equipped with a 2 mm dia. ruby ball tip No. 01860302.

TESATAST Perpendicular Models



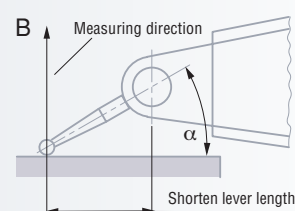
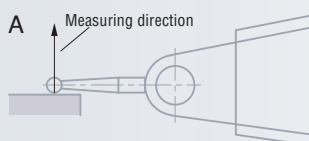
	mm				
01810204	0,01	0,8	28	0 ÷ 0,4 ÷ 0	12,53
01810205	0,01	0,5	28	0 ÷ 0,25 ÷ 0	36,53
01810304	0,002	0,2	38	0 ÷ 100 ÷ 0	12,53

	in				
01820204	0.0005	0.030	1.1	0 ÷ 15 ÷ 0	1/2
01820304	0.0001	0.008	1.5	0 ÷ 4 ÷ 0	1/2

TESATAST Lateral Models



				$\emptyset$	Insert
01810011	0,01	0,8	28	$0 \div 0,4 \div 0$	12,53
01810012	0,02	2	38	$0 \div 1,0 \div 0$	36,53
01810013	0,002	0,2	28	$0 \div 100 \div 0$	12,53
01820014	0.0005	0.030	1.1	$0 \div 15 \div 0$	$\frac{1}{2}$



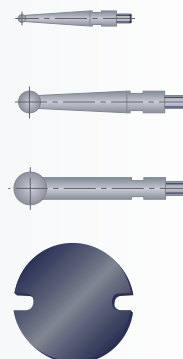
Note on the use of TESATAST dial test indicators

With the measuring insert lying parallel to the workpiece surface (Fig. A), these indicators give true reading due to the amplification factor to 1:1.

In another measuring position (angle α in Fig. B), the effective lever length changes so that the read value needs to be corrected. With respect to this, also refer to the instruction manual.

Measuring inserts

Carbide ball tips	Ruby ball tips		mm
01860201	01860301	1	12,53
01860202	01860302	2	12,53
01860203	01860303	3	12,53
01860211	01860304	1	36,53
01860212	01860305	2	36,53
01860213	01860309	3	36,53
01860307	Wrench for measuring inserts		



Note

The original measuring insert mounted on every TESATAST as well as any other insert with same nominal length but having a different ball tip diameter are fully interchangeable.

Indicator Sets with Small Support

01630003	Indicator sets with small support
consisting of:	
01810005	Dial test indicator (lever-type)
01810010	Dial test indicator (lever-type)
01860203	Measuring insert
01840104	Mounting rod
01840105	Mounting rod
01860307	Wrench for measuring inserts
01639007	INTERAPID small support UJ 15



Tungsten carbide or ruby ball tip

M1.4 coupling thread



DIN 2270
NF E 11-053

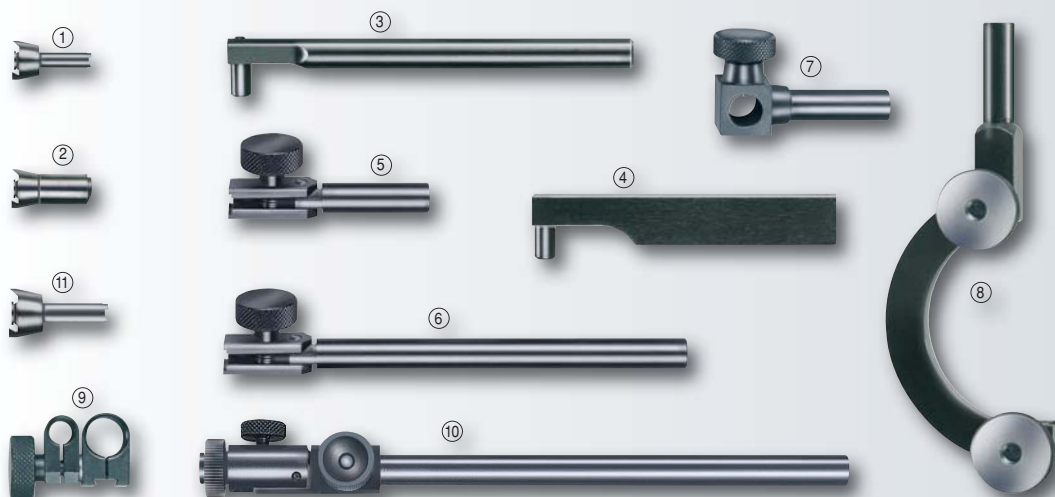
Technical data are listed under each single product

Plastic case

Identification number

Declaration of conformity

TESATAST Accessories



Nº	=		mm
01840104	①	Mounting rod with dovetail clamp	Ø 4
01840105	②	Mounting rod with dovetail clamp	Ø 8
01840202	③	Mounting rod with cylindrical body and clamping tenon	Ø 8 x 80 Ø 5,6
01840203	④	Mounting rod with right-angle body and clamping tenon	13 x 6 x 50 Ø 5,6
01840404	⑤	Short swivel holder with mounting rod and dovetail clamp	Ø 8 x 25
01840405	⑥	Long swivel holder with mounting rod and dovetail clamp	Ø 8 x 90
01840406	⑦	Angle holder with mounting rod Clamping bore	Ø 8 x 25 Ø 8
01840501	⑧	Centring shoulder for TESATAST Perpendicular with cylindrical rod Clamping point for mounting rod and dovetail clamp	Ø 8 x 25 Ø 4
01860401	⑨	Dovetail clamp with tightening point	Ø 5,6 Ø 9,5
01840407	⑩	Long swivel holder with cylindrical rod and dovetail clamp as well as fine setting device	Ø 8 x 125
01860008	⑪	Mounting rod with dovetail clamp	Ø 6

Sets of Accessories

Consisting of the following components:

Nº	mm	01840104	01840105	01840202	01840203	01840404	01840405	01840406	01840501	01860401
01840001*	Nº 1	●	●							
01840100**	Nº 2			●	●	●	●	●		●
01840703***	Nº 3			●	●	●	●	●	●	●

* Supplied with one single insert No. 01860201, 01860202 and 01860203, one wrench No. 01860307 as well as a suited case No. 01860308.

** Supplied in a suited case No. 01860608.

*** Supplied in a suited case No. 01860702.

INTERAPID 312 Dial Test Indicators

Very large measuring span – Ideal for inspecting all significant size variations, e.g. on the surface plate – Measure position, form and shape errors.

- Additional revolution counter for safe reading.
- Bidirectional measuring with automatic reversal inside the movement.
- Thereby pointer rotation is constant.
- Jewelled movement with rubies.
- Ball-bearing lever system with measuring insert swivelling through 210°.
- Full-metal construction giving outstanding robustness.
- Monobloc housing with mounted dovetail attachments as well as a 4 mm swivelling shank.

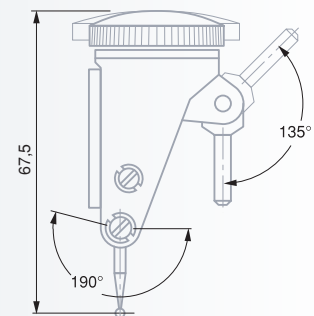
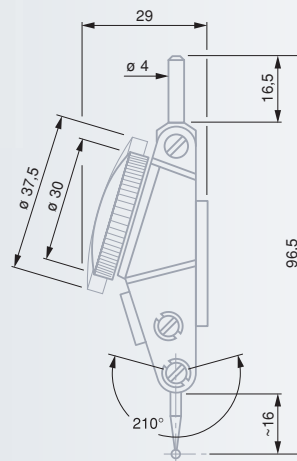


Regular Model

Time-tested dial test indicator with dial face mounted parallel to the insert's axis.

Perpendicular Model

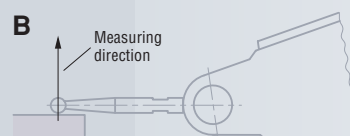
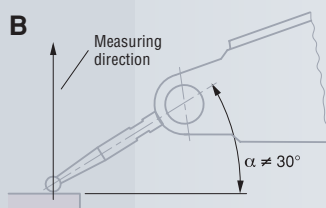
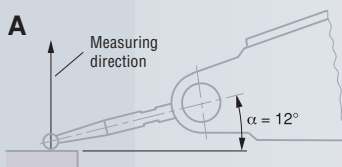
Dial test indicator with dial face mounted at right angle to insert's axis.



Stylus insert with angular position of 12°

All models INTERAPID 312 are designed to give a true reading when the angle between the stylus and the workpiece surface is 12° (Fig. A).

In any other measuring position, including parallel position of the stylus against the workpiece surface, read values have to be corrected accordingly (Fig. B). With regard to this, also read in the instruction manual.



Permissible limits of a metrological characteristic (MPE/MPL)

	0,01 mm		0,002 mm	
	Pointer Rev		Pointer Rev	
	1	2	1	2
Deviation range, f_e	10 μm	20 μm	4 μm	8 μm
Total deviation range, f_{ges}	13 μm	23 μm	6 μm	10 μm
Repeatability limit, f_w	3 μm		1 μm	
Max. hysteresis, f_u	3 μm		2 μm	
Measuring force	0,12 N		0,25 N	

INTERAPID 312 Regular Models

						
 mm						
074111366	0,01	1,6	37,5	0 ÷ 40 ÷ 0	16,5	
074111367	0,01	1,6	30	0 ÷ 40 ÷ 0	16,5	
074111368	0,002	0,4	37,5	0 ÷ 10 ÷ 0	15,2	
074111369	0,002	0,4	30	0 ÷ 10 ÷ 0	15,2	
 in						
074111370	0.0005	0.060	1.5	0 ÷ 15 ÷ 0	0.65	
074111371	0.0005	0.060	1.2	0 ÷ 15 ÷ 0	0.65	
074111965	0.0005	0.060	1.5	0 ÷ 15 ÷ 0	2.675	
074111374	0.001	0.060	1.2	0 ÷ 15 ÷ 0	0.65	
074111372	0.0001	0.016	1.5	0 ÷ 4 ÷ 0	0.65	
074111373	0.0001	0.016	1.2	0 ÷ 4 ÷ 0	0.65	



Rotating dial



Very low measuring force (see table on page G-7)



Lever system with friction drive to prevent overload



Accuracy: see table on page G-7



Supplied in a plastic case along with:
1 steel insert with a 2 mm diameter, hardened.
1 key No. 01860307



Declaration of conformity



INTERAPID 312 Perpendicular Models

						
 mm						
074111375	0,01	1,6	37,5	0 ÷ 40 ÷ 0	16,5	
074111376	0,01	1,6	30	0 ÷ 40 ÷ 0	16,5	
 in						
074111377	0.0005	0.060	1.5	0 ÷ 15 ÷ 0	0.65	
074111378	0.0005	0.060	1.2	0 ÷ 15 ÷ 0	0.65	
074111958	0.0005	0.060	1.5	0 ÷ 15 ÷ 0	2.675	
074111379	0.001	0.060	1.2	0 ÷ 15 ÷ 0	0.65	
074111957	0.0001	0.016	1.5	0 ÷ 4 ÷ 0	0.65	



074111366



074111367



074111368



074111369



Technical data
as listed under:
each single
product

Plastic case

Declaration
of conformity

Dial Test Indicator Sets, Complete with Accessories

Each full set consists of:



INTERAPID 312 as listed
in the tables below

074106331	Rectangular attachment
074108942	Reducing sleeve, metric or
074108943	Reducing sleeve, inch
074106026	Swivel holder, metric or
074106931	Swivel holder, inch
074111474	Storage case for measuring inserts
01860307	Wrench for measuring inserts



INTERAPID 312 Regular Models



mm

	074111366	074111367	074111368	074111369	074106331	074108942	074106026	074111474	01860307
074111502	●				●	●	●	●	●
074111503		●			●	●	●	●	●
074111504			●		●	●	●	●	●
074111505				●	●	●	●	●	●



in

	074111370	074111371	074111372	074111373	074106331	074108943	074106931	074111474	01860307
074111508	●				●	●	●	●	●
074111509		●			●	●	●	●	●
074111510			●		●	●	●	●	●
074111511				●	●	●	●	●	●

INTERAPID 312 Perpendicular Models



mm

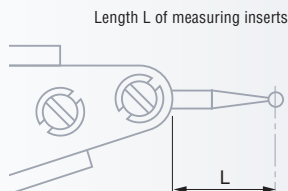
	074111375	074111376	074106331	074108942	074106026	074111474	01860307
074111506	●		●	●	●	●	●
074111507		●	●	●	●	●	●



in

	074111377	074111378	074106331	074108943	074106931	074111474	01860307
074111513	●		●	●	●	●	●
074111514		●	●	●	●	●	●

Measuring Inserts for INTERAPID 312



- * The length of the used insert changes the amplification factor of the lever system. Therefore, each read value must be doubled.
- ** Except for both models No. 074111965 and 074111958.
- *** Model No. 074111965 only.
- **** Model No. 074111958 only.

Note

The original measuring insert mounted on every INTERAPID 312 as well as any other insert with same nominal length but having different ball tip diameters are fully interchangeable.



Steel ball tips



Carbide ball tips



L



mm

074107893	074105993	0,01	2	16,5
074107895	074105994	0,01	1,5	16,5
074107897	074105995	0,01	0,8	16,5
	074106358	0,01	2	36,6*
	074106360	0,01	0,8	36,6*

074110481	074110482	0,002	2	15,2
074110492	074110491	0,002	1,5	15,2
074110493	074110507	0,002	0,8	15,2
	074110494	0,002	2	34*
	074110508	0,002	0,8	34*



in

074107899	074105996	all**	0.080	0.650
074107901	074105997	all**	0.060	0.650
074107903	074105998	all**	0.031	0.650
	074106361	all**	0.080	1.375*
	074106363	all**	0.031	1.375*

	074111913***	0.080	2.675
	074111912****	0.100	2.675



mm/in



01860307	Wrench for measuring inserts
074111474	Storage case for measuring inserts

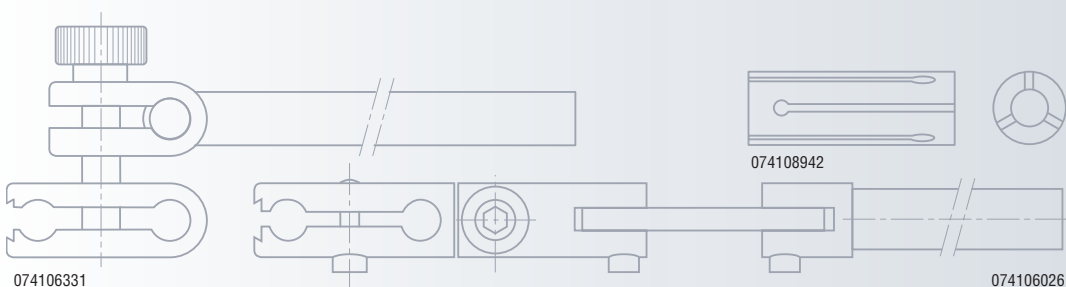


Ball tips in hardened steel or tungsten carbide



M1,7 coupling thread

Accessories for INTERAPID 312



mm

074106331	Rectangular clamping attachment, complete	
01840203	Rectangular attachment with clamp	13 x 6 x 50 Ø 5,6
074108603	Double attachment with clamping point and dovetail	Ø 4
074106026	Swivel holder with clamping points and dovetail	Ø 8 x 133 Ø 4
074108942	Reducing sleeve	Ø 8 / Ø 4

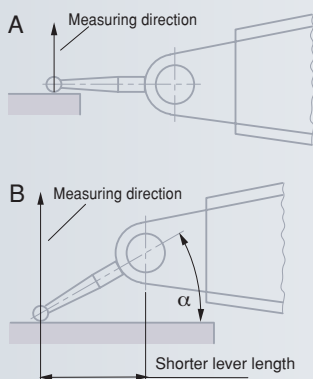


COMPAC Dial Test Indicators

Essential for the workshop, but also in the inspection room or measuring laboratory – Ideal for comparative measurement on a surface plate – Detect form and position errors – Measure axial and radial runouts, especially.

Technical features

- Long range up to 3 mm.
- Bidirectional measuring, without reversing lever.
- Continuous two-way clockwise rotation of the pointer.
- Swivelling probe through 180°.
- Main pivot on oversized, self-aligning angular bearings.
- Dovetail mounting machined in the indicator body.
- Dull-chrome plated bezel and housing.
- Rotating dial.
- Insensitive to magnetic fields generated in common precision mechanics.

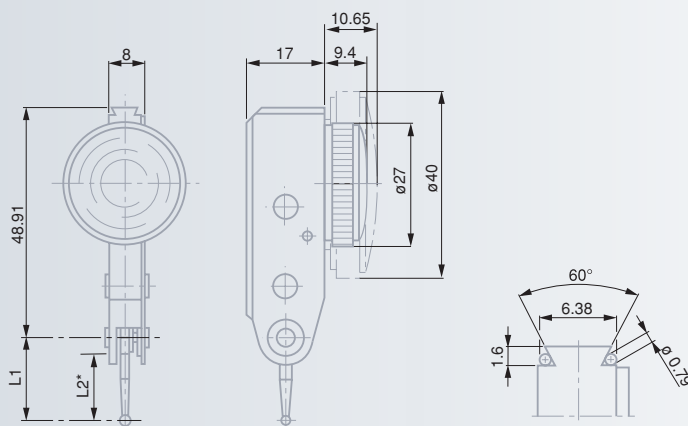


Note for use of COMPAC dial test indicators

With the measuring insert lying parallel to the workpiece surface (Fig. A), these dial test indicators give true reading due to the amplification factor to 1:1.

In any other measuring position (angle α in Fig. B), the effective lever length changes so that the read value need be corrected. With respect to this, also read in the instruction manual.

COMPAC Series 210 – Type Standard



*L2 see table page G-15



Metric Reading

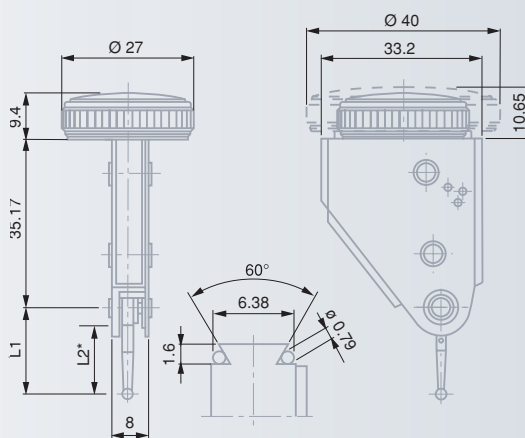
	mm	Whole travel mm	Travel/ revolution mm	$\emptyset$ mm	Contact point L1 mm	μ m	μ m	μ m	N	
213	0,01	1,5	0,5	27	0÷25÷ 50	18	13	3	3	≤ 0,35
213G	0,01	1,5	0,5	40	0÷25÷ 50	18	13	3	3	≤ 0,35
212L	0,01	3	1	27	0÷50÷100	36	26	3	6	≤ 0,20
212GL	0,01	3	1	40	0÷50÷100	36	26	3	6	≤ 0,20
215	0,002	0,6	0,1	27	0÷ 5÷ 10	18	13	1,5	2,5	≤ 0,30
215G	0,002	0,6	0,1	40	0÷ 5÷ 10	18	13	1,5	2,5	≤ 0,30
215GL	0,002	1,2	0,2	40	0÷10÷ 20	36	26	1,5	5	≤ 0,20
216G	0,001	0,6	0,1	40	0÷ 5÷ 10	18	13	1,5	2,5	≤ 0,30

DIAL TEST INDICATORS (LEVER-TYPE)

Inch Reading

No										
	in	Whole travel in	Travel/revolution in	Ø in		Contact point L 1 in	in	in	in	N
214A	0.0005	0.06	0.02	1.063	0÷10÷20	0.72	0.0005	0.00015	0.00015	≤ 0,35
214GA	0.0005	0.06	0.02	1.575	0÷10÷20	0.72	0.0005	0.00015	0.00015	≤ 0,35
213LA	0.0005	0.12	0.04	1.063	0÷20÷40	1.44	0.001	0.00015	0.00025	≤ 0,20
213GLA	0.0005	0.12	0.04	1.575	0÷20÷40	1.44	0.001	0.00015	0.00025	≤ 0,20
215A	0.0001	0.024	0.004	1.063	0÷20÷40	0.72	0.00005	0.00005	0.0001	≤ 0,30
215GA	0.0001	0.024	0.004	1.575	0÷20÷40	0.72	0.00005	0.00005	0.0001	≤ 0,30

COMPAC Series 220 – Type Perpendicular



*L2 see table page G-15

Metric Reading

No										
	mm	Whole travel mm	Travel/revolution mm	Ø mm		Contact point L1 mm	µm	µm	µm	N
223	0,01	1,5	0,5	27	0÷25÷ 50	18	13	3	3	≤ 0,35
223G	0,01	1,5	0,5	40	0÷25÷ 50	18	13	3	3	≤ 0,35
222L	0,01	3	1	27	0÷50÷100	36	26	3	6	≤ 0,20
222GL	0,01	3	1	40	0÷50÷100	36	26	3	6	≤ 0,20
225	0,002	0,6	0,1	27	0÷ 5÷ 10	18	13	1,5	2,5	≤ 0,30
225G	0,002	0,6	0,1	40	0÷ 5÷ 10	18	13	1,5	2,5	≤ 0,30

Inch Reading

No										
	in	Wole travel in	Travel/revolution in	Ø in		Contact point L 1 in	in	in	in	N
224A	0.0005	0.06	0.02	1.063	0÷10÷20	0.72	0.0005	0.00015	0.00015	≤ 0,35
224GA	0.0005	0.06	0.02	1.575	0÷10÷20	0.72	0.0005	0.00015	0.00015	≤ 0,35
223GLA	0.0005	0.12	0.04	1.575	0÷20÷40	1.44	0.001	0.00015	0.00025	≤ 0,20
225GA	0.0001	0.024	0.004	1.575	0÷20÷40	0.72	0.0005	0.00005	0.0001	≤ 0,30

COMPAC Series 230 – Type Parallel



DIN 2270 and factory standard

Rotating dial

Friction lever system to preventing overload

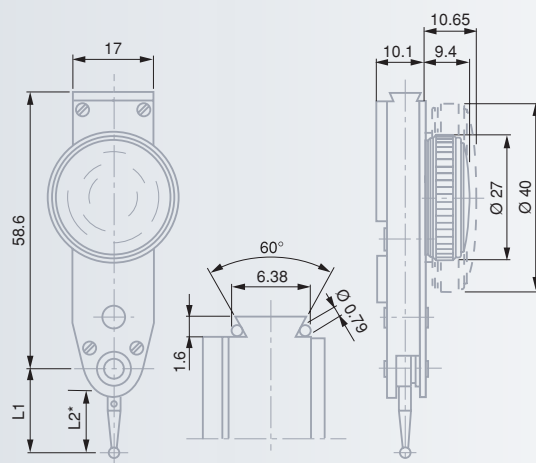
Contact points with tungsten carbide ball tips

Delivery in a suited plastic case

including:
1 contact point, 2 mm dia.,
1 rigid stem with 8 mm dia.,
L = 15 mm, No. 01840107
1 rigid stem with 4 mm dia.,
L = 15 mm, No. 01840109
(except for series 220).

Serial number

Inspection report with a declaration of conformity



*L2 see table page G-15



Metric Reading

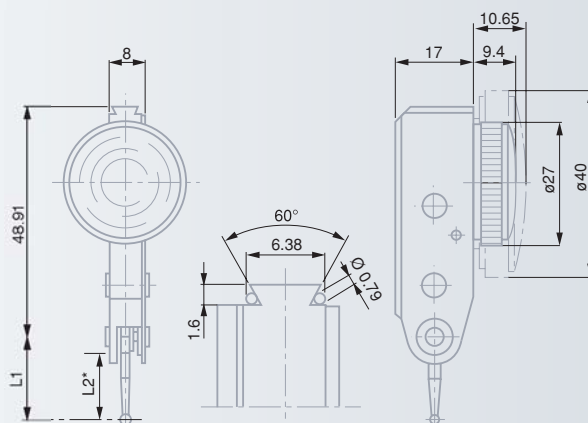


	mm	Whole travel mm	Travel/ revolution mm	Ø mm		Contact point L1 mm	µm	µm	µm	N
233	0,01	1,5	0,5	27	0÷25÷ 50	18	13	3	3	≤ 0,35
233G	0,01	1,5	0,5	40	0÷25÷ 50	18	13	3	3	≤ 0,35
232L	0,01	3	1	27	0÷50÷100	36	26	3	6	≤ 0,20
232GL	0,01	3	1	40	0÷50÷100	36	26	3	6	≤ 0,20
235G	0,002	0,6	0,1	40	0÷ 5÷ 10	18	13	1,5	2,5	≤ 0,30



COMPAC Series 240 – Reduced Range

One-revolution models



* L2 see table page G-15



DIN 2270 and factory standard



Rotating dial



Friction lever system to preventing overload



Contact points with tungsten carbide ball tips



Delivery in a suited plastic case including:
1 contact point with a 2 mm diameter
1 rigid stem with 8 mm dia., L = 15 mm, No. 01840107
1 rigid stem with 4 mm dia., L = 15 mm, No. 01840109



Serial number



Inspection report with a declaration of conformity

Metric Reading

No	mm	Whole travel mm	Ø mm	Contact point L1 mm	µm	µm	µm	N
242	0,01	0,8	27	0÷40÷0	18	13	3	≤ 0,25
242G	0,01	0,8	40	0÷40÷0	18	13	3	≤ 0,25
243L	0,01	0,5	27	0÷25÷0	45	13	3,5	≤ 0,10
243GL	0,01	0,5	40	0÷25÷0	45	13	3,5	≤ 0,10
245	0,002	0,2	27	0÷10÷0	18	4	1,5	2 ≤ 0,25
245G	0,002	0,2	40	0÷10÷0	18	4	1,5	2 ≤ 0,25

Inch Reading

No	in	Whole travel in	Ø in	Contact point L1 in	in	in	in	N
244A	0.0005	0.030	1.063	0÷15÷0	0.6754	0.0005	0.0001	0.00015 ≤ 0,25
245A	0.0001	0.008	1.063	0÷ 4÷0	0.7200	0.00015	0.00006	0.00008 ≤ 0,25
245GA	0.0001	0.008	1.575	0÷ 4÷0	0.7200	0.00015	0.00006	0.00008 ≤ 0,25

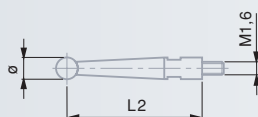


Stainless steel
with carbide
or ruby
contact points

M1.6 coupling
thread

Original inserts
mounted on every
indicators as well
as any other inserts with
same nominal length but hav-
ing different tip diameters are
fully interchangeable.

Contact Points for COMPAC Dial Test Indicators



Metric Models

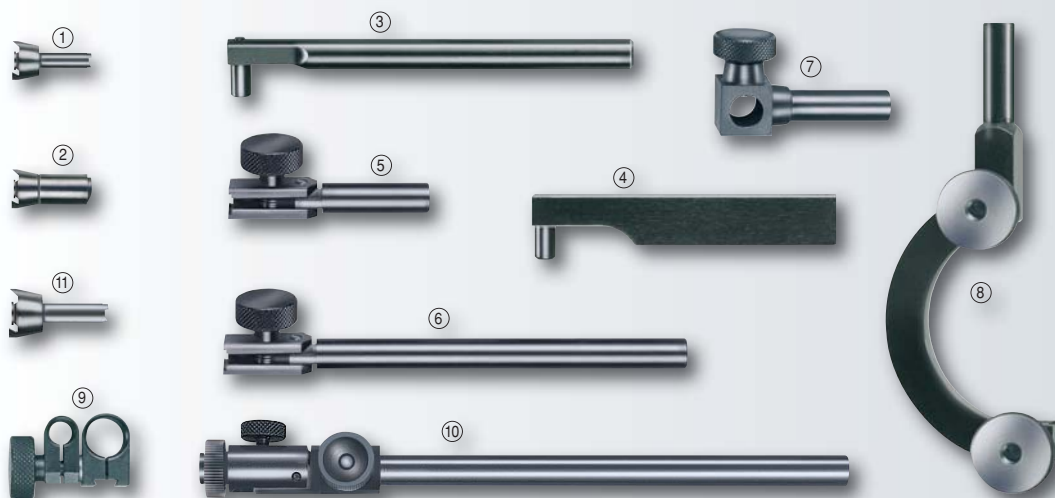
Carbide ball tips		Ruby ball tips			
No		No		mm	L1 mm L2 mm
01866014				0,8	18 14,26
01866003	01866026			2	18 14,26
01866021				3	18 14,26
01866016				0,8	36 32,26
01866004	01866027			2	36 32,26
01866023				3	36 32,26
01866015				0,8	45 41,26
01866006	01866028			2	45 41,26
01866022				3	45 41,26

Inch Models

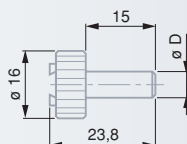
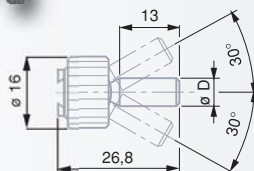
Ruby ball tips				
No		mm	L1 in	L2 in
01866010		0,8	0.6754	0.5278
01866007		2	0.6754	0.5278
01866011		0,8	0.72	0.5724
01866005		2	0.72	0.5724
01866024		0,8	1.44	1.2924
01866009		2	1.44	1.2924
01866025		3	1.44	1.2924
01866008		2	1.8	1.6527



Accessories for COMPAC Dial Test Indicators



Nº			mm
01840104	①	Fixing shank with dovetail clamp	Ø 4
01840105	②	Fixing shank with dovetail clamp	Ø 8
01840202	③	Cylindrical fixing shank with tightening tenon	Ø 8 x 80 Ø 5,6
01840203	④	Rectangular fixing shank with tightening tenon	13 x Ø 5,6
01840404	⑤	Short swivel holder with cylindrical shank and dovetail grip	Ø 8 x
01840405	⑥	Long swivel holder with cylindrical shank and dovetail grip	Ø 8 x 90
01840406	⑦	Angle holder with cylindrical shank Clamping bore	Ø 8 x 25 Ø 8
01840501	⑧	Centring holder for perpendicular model with cylindrical shank Clamping point for fixing shank and dovetail clamp	Ø 8 x 25 Ø 4
01860401	⑨	Double fixing clamp with clamping point and dovetail clamp	Ø 5,6
01840407	⑩	Long swivel holder, cylindrical shank with dovetail grip. Also with fine setting.	Ø 8 x 125
01860008	⑪	Fixing shank with dovetail clamp	Ø 6



		Stem	Clamping length
SPT	Rotating holder	8 mm	25 mm
SPTA	Rotating holder	1/4 in	1 in
SPTA-3/16	Rotating holder	3/16 in	1 in
SPTA-3/8	Rotating holder	3/8 in	1 in
SPTA-5/16	Rotating holder	5/16 in	1 in

Nº



D

Mounting rods with dovetail grip

01850106	Fixing shank swivelling through ± 30°	Ø 1/4 in
01850107	Rigid fixing shank	Ø 1/4 in
01840106	Fixing shank swivelling through ± 30°	Ø 8 mm
01840107	Rigid fixing shank	Ø 8 mm
01840108	Fixing shank swivelling through ± 30°	Ø 4 mm
01840109	Rigid fixing shank	Ø 4 mm