



DIN 2270
NF E 11-053



Rotating dial

BESTEST® / TESATAST® - 5 Series (Black Face)

BESTEST -5 sets are furnished with a .080" carbide contact point, a .250" diameter extension with dovetail, point wrench and a certificate of accuracy and traceability in a durable molded case.



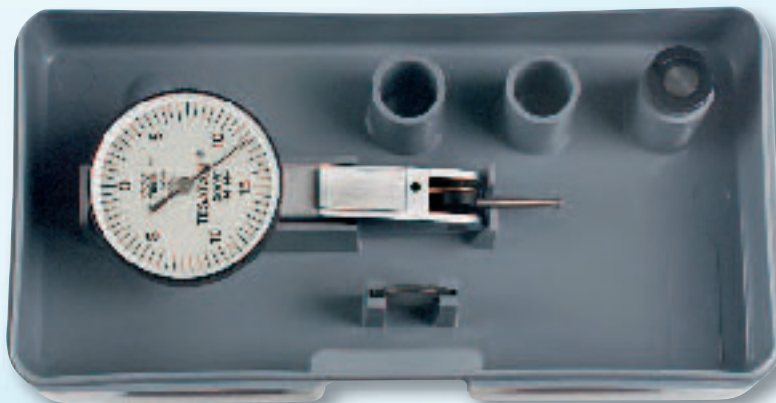
BESTEST® - 6 Series (White Face)

BESTEST -6 sets are furnished with 3 carbide contact points, .040", .080", and .120", 2 extensions with dovetail, point wrench and a certificate of accuracy and traceability in a durable molded case.



TESATAST®

Every TESATAST is furnished with a .080" (2 mm) carbide contact point, a .310" (8 mm) diameter extension with dovetail, a point wrench and a certificate of accuracy and traceability in a durable molded case.



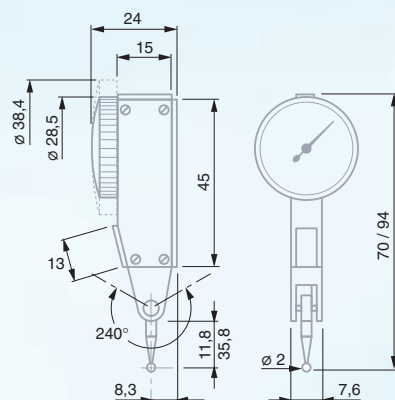
BESTEST®/ TESATAST® Dial Test Indicators (Lever-Type)

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 positional deviations, as well as axial and runout errors.

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

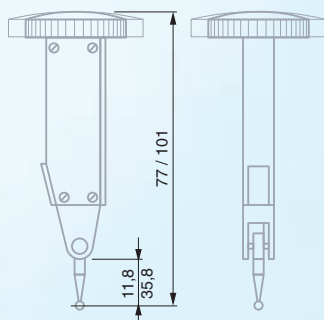
Top Mounted Models

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



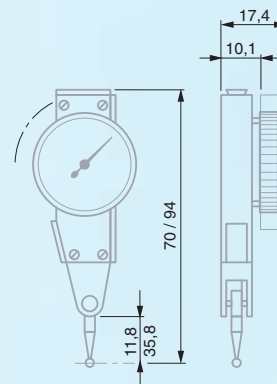
End Mounted Models

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



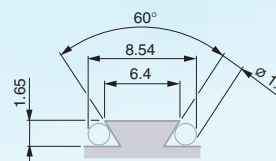
Side Mounted Models

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



Technical Data

				
		.001"/ 0.02 mm	.0005"/ 0.01 mm	.00005"/ 0.002 mm
	Deviation span	.001"/ 27 µm	.0004"/ 10 µm	.0001"/ 2 µm
	Deviation span within the local measuring span	.0005"/ 12 µm	.0002"/ 5 µm	.00005"/ 1 µm
	0.20 mm			
	0.10 mm			
	0.02 mm			
	Total deviation span	.0012"/ 31 µm	13 µm	3.5 µm
	Repeatability limit	.00016"/ 4 µm	.00012"/ 3 µm	.00005"/ 1 µm
	Max. hysteresis	.00016"/ 4 µm	.00012"/ 3 µm	.00006"/ 1.5 µm
	Measuring force with the following measuring inserts			
	12.53 mm long		0.15 N	0.15 N
	36.53 mm long	0.06 N	0.06 N	



Top Mounted Dials

BESTEST indicators with top mounted dials are supplied with a rectangular bar, swivel clamp, contact point wrench and a certificate of accuracy and traceability in a fitted case. Contact points for models on this page are 1/2" (12.5 mm) long. Carbide tips are .080" (2 mm) diameter. Available with either 1" (28 mm) or 1-1/2" (38 mm) diameter dials.

TESATAST indicators are supplied in a plastic case with .080" (2 mm) ball-end carbide contact point, 1 key for fixing the point, 1 extension w/dovetail .31" (8 mm) diameter, an instruction leaflet and a test certificate.



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Rotating dial



599-7032-3



599-7030-13



18.20006



Dial
Dia.



Inch Reading (± 0.0001 " Repeatability, ± 0.0005 " Calibration Accuracy)

599-7029-3	45977	18.20010	40507	.001 in	.030 in	1 in	0-15-0
599-7030-3	45978	18.20006	40503	.0005 in	.030 in	1 in	0-15-0
599-7031-3	45979	18.20007	40504	.0005 in	.030 in	1-1/2 in	0-15-0

Inch Reading (± 0.00002 " Repeatability, ± 0.0001 " Calibration Accuracy)

599-7032-3	45980	18.20011	40508	.0001 in	.008 in	1 in	0-4-0
599-7023-3	46400	18.20012	40509	.0001 in	.008 in	1-1/2 in	0-4-0
599-7033-3	45981	18.20013	40510	.00005 in	.008 in	1-1/2 in	0-4-0

Metric Reading (± 0.002 mm Repeatability, ± 0.01 mm Calibration Accuracy)

599-7030-13	45984	18.10005	40491	0.01 mm	0.8 mm	28 mm	0-0.4-0
599-7031-13	45985	18.10006	40492	0.01 mm	0.8 mm	38 mm	0-0.4-0

Metric Reading (± 0.0004 mm Repeatability, ± 0.002 mm Calibration Accuracy)

599-7032-13	45986	18.10009	40495	0.002 mm	0.2 mm	28 mm	0-100-0
599-7033-13	45987	18.10010	40496	0.002 mm	0.2 mm	38 mm	0-100-0

Easy Reading Console Faces

BESTEST® - 5 Series (Black Face)

Easy-to-read, satin-black, "jet console" face, BESTEST® indicators with high visibility orange hand. BESTEST -5 sets are furnished with a .080" carbide contact point, a .250" diameter extension with dovetail, point wrench and a certificate of accuracy and traceability in a durable molded case.



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		 in	 in	 Dial Dia. (in)		 Inserts (in)
599-7029-5	51732	.001	.030	1	0-15-0	1/2
599-7030-5	51733	.0005	.030	1	0-15-0	1/2
599-7031-5	51734	.0005	.030	1-1/2	0-15-0	1/2
599-7032-5	51737	.0001	.008	1	0-4-0	1/2
599-7033-5	51738	.00005	.008	1-1/2	0-4-0	1/2
599-7034-5	51735	.0005	.020	1	0-10-0	1-7/16
599-7035-5	51736	.0005	.020	1-1/2	0-10-0	1-7/16



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BESTEST® -6 and -14 Series (White Face)

BESTEST -6 and -14 sets are furnished with 3 carbide contact points, .040", .080" and .120", one 1/2" long x .25" diameter extension with dovetail, one 1/2" long x .22" diameter extension with dovetail, a contact point wrench and a certificate of accuracy and traceability in a durable molded case.



Dial
Dia.



Inch Reading (± 0.0001 " Repeatability, ± 0.0005 " Calibration Accuracy)

599-7030-6 25925 .0005 in .030 in 1 in 0-15-0

599-7031-6 25926 .0005 in .030 in 1-1/2 in 0-15-0

Inch Reading (± 0.0002 " Repeatability, ± 0.0001 " Calibration Accuracy)

599-7032-6 25929 .0001 in .008 in 1 in 0-4-0

599-7023-6 25923 .0001 in .008 in 1-1/2 in 0-4-0

Metric Reading (± 0.001 mm Repeatability, ± 0.01 mm Calibration Accuracy)

599-7030-14 25927 0.01 mm 0.8 mm 28 mm 0-0.4-0

599-7031-14 25928 0.01 mm 0.8 mm 38 mm 0-0.4-0

Metric Reading (± 0.0002 mm Repeatability, ± 0.002 mm Calibration Accuracy)

599-7032-14 25930 0.002 mm 0.2 mm 28 mm 0-100-0