

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.



DIN 2270
NF E 11-053



Rotating dial



599-7032-3



599-7030-13



18.20006

							Dial Dia.	
Inch Reading (±.0001" Repeatability, ±.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 (±.00002" Repeatability, ±.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	



DIN 2270
NFE 11-053

Rotating dial

End Mounted Dials

All *BESTEST* indicators with end mounted dials come with contact points 1/2" long with a carbide tip .080" diameter, a No. 599-7054 universal dovetail mounting attachment, a contact point wrench and a certificate of accuracy and traceability in a fitted case.



Inch Reading										
599-7037-3	50437	18.20204	40514	.0005 in	.030 in	1 in	0-15-0	±.0001 in	.0005 in	
599-7024-3	46406	18.20304	40516	.0001 in	.008 in	1-1/2 in	0-4-0	±.00002 in	.0001 in	
599-7038-3	50436	-	-	.00005 in	.008 in	1-1/2 in	0-4-0	±.00002 in	.0001 in	
Metric Reading										
-	-	18.10204	40500	0.01 mm	0.8 mm	28 mm	0-0.4-0	±0.002 mm	±0.01 mm	
-	-	18.10304	40502	0.002 mm	0.2 mm	38 mm	0-100-0	±0.0004 mm	±0.002 mm	

All TESATAST indicators are supplied in a plastic case with .08 in (2 mm) ball-end carbide contact point, 1 key for fixing the point, 1 extension w/dovetail .31 in (8 mm) diameter, an instruction leaflet and a test certificate.

Side Mounted Dials

BESTEST indicators with side mounted dials. Contact points are 1/2" long. Carbide tip is .080" diameter. Ideal for height gages, and transfer gages. Supplied with a rectangular bar, swivel clamp, contact point wrench, and a certificate of accuracy and traceability in a fitted case.



Inch Reading										
599-7021-3	50566			.0005 in	.030 in	1-1/2 in	0-15-0	±.0001 in	±.0005 in	
		18.20014	40511	.0005 in	.030 in	1 in	0-15-0	±.0001 in	±.0005 in	
599-7022-3	50567			.00005 in	.008 in	1-1/2 in	0-4-0	±.00002 in	±.0001 in	
		18.20015	40512	.0001 in	.008 in	1 in	0-4-0	±.00002 in	±.0001 in	
Metric Reading										
		18.10011	40497	0.01 mm	0.8 mm	28 mm	0-0.4-0	±0.002 mm	±0.01 mm	
		18.10013	40499	0.002 mm	0.2 mm	28 mm	0-100-0	±0.0004 mm	±0.002 mm	

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.



DIN 2270
NF E 11-053



Rotating dial

			 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	



DIN 2270
NF E 11-053

Rotating dial

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.



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

Extra Long Contact Points

BESTEST indicators with top mounted dials. Contact points are 1-7/16" long. Carbide tip is .080" diameter. Supplied with a rectangular bar, swivel clamp, contact point wrench and a certificate of accuracy and traceability in a fitted case.

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



DIN 2270
NF E 11-053



Rotating dial

Top Mounted Inch Reading (±0.001" Repeatability, ±0.0005" Calibration Accuracy)							
599-7034-3	45982	18.20008	40505	.0005 in	.020 in	1 in	0-10-0
599-7035-3	45983	18.20009	40506	.0005 in	.020 in	1-1/2 in	0-10-0
Vertical/End Inch Reading (±0.001" Repeatability, ±0.0005" Calibration Accuracy)							
-	-	18.20205	40515	.0005 in	.020 in	1 in	0-10-0
Side Mount Inch Reading (±0.001" Repeatability, ±0.0005" Calibration Accuracy)							
-	-	18.20016	40513	.001 in	.020 in	1-1/2 in	0-40-0
Top Mounted Metric Reading (±0.002 mm Repeatability, ±0.01 mm Calibration Accuracy)							
-	-	18.10007	40493	0.01 mm	0.5 mm	28 mm	0-0.25-0
-	-	18.10008	40494	0.01 mm	0.5 mm	38 mm	0-0.25-0
Vertical/End Metric Reading (±0.002 mm Repeatability, ±0.01 mm Calibration Accuracy)							
-	-	18.10205	40501	0.01 mm	0.5 mm	28 mm	0-0.25-0
Side Mount Metric Reading (±0.002 mm Repeatability, ±0.01 mm Calibration Accuracy)							
-	-	18.10012	40498	0.02 mm	0.2 mm	38 mm	0-0.1-0

BESTEST® Universal Test Indicators

Full jewelled movement in a universal indicator



599-7739



44892



A. Inch Indicator Set complete with case

599-7739-10

45705

B. Metric Indicator Set complete with case

Components for Indicator Set (Inch and Metric)

599-7739-1

44893

C. Swivel for Posts .312" diameter and mounting rods .220" to .250" diameter

599-7739-2

44894

D. Clamp: 1-5/16" range and 1/4-28 threaded hole

599-7739-3

44895

E. Hole Attachment w/ Indicator Mounting Hole .375" dia. and finger 7/32" dia. w/ 1-7/8" reach

599-7739-4

44896

F. Bar: 5-5/16" long x 3/8" thick x 3/4" high w/ tapped thru holes at top, bottom and both sides of front and one tapped hole at back end for attaching Holding Rods

599-7739-5

44897

G. Holding Rod: .312" x 5" long

599-7739-6

44898

H. Holding Rod: .312" x 3" long

599-7739-9999

44899

I. Fitted Case for indicator and accessories

Dial Test Indicators - BESTEST® Accessories



Components for Accessory Set

599-7046	44861	A. Rectangular bar 3/16" thick x 5/16" high x 3" long with .220" diameter stud
599-7048	44863	B. Round bar 7/32" diameter with .163" stepped end; .220" diameter stud; 2-7/8" long
599-7042	44857	C. Swivel support (short) 3/8" diameter x 1" long shank
599-7043	44858	D. Angle attachment 3/8" hole with 3/8" diameter x 1" long shank
599-7052	44867	E. Extension with dovetail .220" diameter x 1/2" long shank
599-7053	44868	F. Extension with dovetail .250" diameter x 1/2" long shank
599-7030-40	44827	G. Carbide ball contact point .040" diameter x 1/2" long
599-7030-120	44829	H. Carbide ball contact point .120" diameter x 1/2" long
599-7041	44856	Complete set of accessories (A-H above)

Additional Accessories

599-7047	44862	I. Rectangular bar: Furnished with all front-mounted BESTEST indicators. 1/4" thick x 1/2" high x 3" long with .220" diameter stud
599-7044	44859	J. Swivel support (long): 3/8" diameter x 3-5/8" long shank

Universal Clamp

For mounting indicator on dovetail. $7/32$ " hole in swivel. Dovetail end has $7/32$ " hole and $5/32$ " hole adjacent to the dovetail. For use on Interapid 312 style indicators.



74.108603



41663

Universal Swivel Clamp

Dovetail opposite $3/8$ " mounting hole and V-side hole with clamp screw for range $1/8$ " to $1/4$ ".



599-7055



44870

Swivel Clamp

$3/8$ " and $7/32$ " dia. mounting holes. Dovetail opposite $3/8$ " hole. For use with all front-mounted dial BESTEST/TESATAST indicators.



599-7045-1





51853

Universal Dovetail Attachment

Supplied with vertical top-mounted dial BESTEST indicators. Fits all BESTEST indicators and dovetail-mounting electronic gage heads. Chrome plated. Shank is 1/4" diameter x 2-1/2" long (to center of ball).





	
599-7054	44869

Lug-Back Bracket

Dovetail fits all BESTEST indicators and dovetail-mounting electronic heads. Mounting slot is 1/4".





	
599-980-10	44740

Combination BESTEST Indicator Axial Support

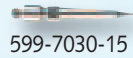
Used for mounting indicator on dovetail or rod. Hinges on support allow indicator to be positioned for best orientation to workpiece. Support mounting stem is 3/8". Tool length is 5-1/4".



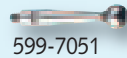
	
74.106931	41656

Contact Points

Contact points of different lengths are not interchangeable because any change in length of point radically changes the magnification of the indicator. Be sure to replace or interchange only with points of the same length. Points of the same length but having different tip diameters are completely interchangeable.



599-7030-15



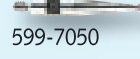
599-7051



599-7030-40



599-7034-40



599-7050



599-7034-80



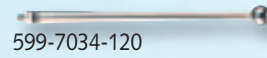
599-7030-80



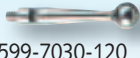
599-7036-80



599-7049



599-7034-120



599-7030-120

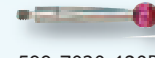
Ruby Tip Contact Points



599-7030-40R



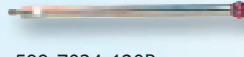
599-7030-80R



599-7030-120R



599-7034-80R



599-7034-120R



Length x Tip Dia. (in / mm)

Ball Material

For use with BESTEST indicators 599-7021, 7022, 7023, 7024, 7029, 7030, 7031, 7032, 7033, 7037, and 7038 inch and metric models:

599-7030-15	45702	1/2 x .015 / 12.5 x 0.4	Carbide
599-7030-40	44827	1/2 x .040 / 12.5 x 1	Carbide
599-7050	44865	1/2 x .040 / 12.5 x 1	Steel
599-7030-80	44828	1/2 x .080 / 12.5 x 2	Carbide
599-7049	44864	1/2 x .080 / 12.5 x 2	Steel
599-7030-120	44829	1/2 x .120 / 12.5 x 3	Carbide
599-7051	44866	1/2 x .120 / 12.5 x 3	Steel

For use with 599-7034 and 599-7035 BESTEST indicators:

599-7034-40	44841	1-7/16 x .040 / 37 x 1	Carbide
599-7034-80	44842	1-7/16 x .080 / 37 x 2	Carbide
599-7036-80	44847	1-7/16 x .080 / 37 x 2	Steel
599-7034-120	44843	1-7/16 x .120 / 37 x 3	Carbide

Ruby Tip Contact Points

599-7030-40R	24694	1/2 x .040 / 12.5 x 1	Synthetic Sapphire
599-7030-80R	24695	1/2 x .080 / 12.5 x 2	Synthetic Sapphire
599-7030-120R	24696	1/2 x .120 / 12.5 x 3	Synthetic Sapphire
599-7034-80R	24697	1-7/16 x .080 / 37 x 2	Synthetic Sapphire
599-7034-120R	24698	1-7/16 x .120 / 37 x 3	Synthetic Sapphire

Contact point thread size is M1.4 x 0.3

Dial Test Indicators - TESATAST® Accessories

Styli are available with various ball tip diameters and lengths in either hard-chrome plated or carbide ball tips.



18.60201



18.60211



18.60202








18.60212



18.60203



18.60213

 <i>Hard-chrome</i>	 <i>Carbide</i>			Ball Tip in/mm	 in/mm
18.60101	40542	18.60201	40548	.04 / 1	.5 / 12.5
18.60102	40543	18.60202	40549	.08 / 2	.5 / 12.5
18.60103	40544	18.60203	40550	.12 / 3	.5 / 12.5
18.60112	40546	18.60211	40551	.04 / 1	1.5 / 36.5
18.60113	40547	18.60212	40552	.08 / 2	1.5 / 36.5
		18.60213	40553	.12 / 3	1.5 / 36.5

Note: Same point for both inch and metric instruments