



Dial Test Indicators and Sets

Dial drop indicators, also called plunger-style dial indicators or dial indicators, have a dial face fixed to a stem with a contact point on the end. When the contact point touches the work-piece or feature, the up-and-down movement of the plunger is amplified on the graduated dial face. The graduations on a balanced-reading dial indicator increase in both directions from the reference point, while those on a continuous-reading dial indicator increase in one direction, typically clockwise. They are commonly used for setup and calibration applications on the shop floor and other applications for measuring and amplifying slight variations. . Back plunger dial indicators are used in applications similar to those of a dial test indicator. Sets include both a dial drop indicator and a holder with a magnetic base.

							•		Item
Range Horizontal	Accuracy	Graduations	s Dial Reading	Dial Size	Dial Color	Series	Brai	nd	No.
nurizuiitai	±0.00005 in	0.00005 in	0-4-0	1.5 in	Black	BESTEST-5	Tesa Brown	& Sharpe	5RCL2
0 in to 0.008 in	±0.0001 in	0.0001 in	0-40-0	1.18 in	White	INSIZE 2380	Insi		408R81
	±0.0001 in	0.0001 in	0-40-0	1.46 in	White	INSIZE 2381	Insi		408R84
	±0.0001 in	0.0001 in	0-4-0 0-4-0	1 in	Black	BESTEST-5	Tesa Brown		5RCL1
	±0.0001 in ±0.0001 in	0.0001 in	0-4-0	1 in 1.79 in	White White	BESTEST INSIZE 2834	Tesa Brown		5RCH1 409L50
	±0.0001 in	0.0001 in 0.0001 in	0-4-0	40 mm	White	Mitutoyo 513 Standard	Insi: Mitut		5C705
	±0.0001 in	0.001 in	0-100	1.5 in	White	BESTEST	Tesa Brown		5RCH0
-	±0.0005 in	0.0005 in	0-15-0	1.5 in	Black	BESTEST-5	Tesa Brown		5RCL4
	±0.0005 in	0.0005 in	0-15-0	1 in	Black	BESTEST-5	Tesa Brown		5RCK9
	±0.0005 in	0.0005 in	0-15-0	1.26 in	White	INSIZE 2835	Insi		409L51
0 in to 0.03 in	±0.0005 in	0.0005 in	0-15-0	40 mm	White	Mitutoyo 513 Standard	Mitut	oyo	4CGR9
	±0.001 in	0.001 in	0-15-0	1 in	Black	BESTEST-5	Tesa Brown		5RCL5
_	±0.0005 in	0.001 in	0-15-0	1.46 in	White	INSIZE 2381	Insi		408R86
0' 1 000'	±0.0005 in	0.03 in	0-15-0	1 in	White	Valueline	Tesa Brown		49U620
0 in to 0.06 in	±0.0005 in	0.0005 in	0-15-0 0-100-0	1.5 in	White	Mitutoyo 513	Mitut		4LA91 4CGR2
0 mm to 0.2 mm	±0.004 mm ±0.013 mm	0.01 mm 0.01 mm	0-100-0	40 mm 37 mm	Yellow White	Mitutoyo 513 Standard INSIZE 2381	Mitut Insi		54XH64
0 mm to 0.8 mm -	±0.008 mm	0.01 mm	0-40-0	40 mm	Yellow	Mitutoyo 513 Standard	Mitut		16X244
Horizontal, Tilted Fac		0.01 111111	0 40 0	70 111111	TOHOW	Willatoyo 310 Standard	IVIICUL	oyo	IUALTT
0 in to 0.01 in	±0.0001 in	0.0001 in	0-5-0	1.38 in	White, Yellow	Starrett 708	Starr	ett	2ZUK1
	±0.0005 in	0.0005 in	0-15-0	1.38 in	White, Yellow	Starrett 709	Starr		2ZUK2
0 in to 0.03 in	±0.0005 in	0.0005 in	0-15-0	1.18 in	White	INSIZE 2380	Insi	ze	408R83
0 111 10 0.03 111 -	±0.001 in	0.001 in	0-15-0	1.18 in	White	INSIZE 2380	Insi		408R82
	±0.001 in	0.001 in	0-15-0	1.46 in	White	INSIZE 2381	Insi		408R85
0 in to 0.06 in	±0.0005 in	0.0005 in	0-15-0	1.38 in	White, Yellow	Starrett 709	Starr	ett	2ZUK5
Long-Stylus Horizonta		0.0005 :	0.45.0	4.40 %	\A/I=:4=	INCIZE 0000	la ai		400 DOF
0 in to 0.03 in -	±0.0005 in ±0.0005 in	0.0005 in 0.0005 in	0-15-0 0-15-0	1.46 in 40 mm	White White	INSIZE 2383	Insi		409P35 4CGR4
Swivel Head	±0.0005 III	0.0003 111	0-13-0	40 111111	vviiite	Mitutoyo 513 Long Stylus	Mitut	0y0	46GN4
	±0.001 in	0.0005 in	0-15-0	1.5 in	White, Yellow	Starrett 711	Starr	ott	5UAV3
0 in to 0.03 in -	±0.001 in	0.0003 in	0-15-0	1 in	White, Yellow	Starrett 711	Starr		2ZUJ6
Swivel-Head, Tilted F		0.001 111	0.00		TTINIO, TONON	Juli Juli I I I	O turi	011	
0 in to 0.06 in	±0.0005 in	0.0005 in	0-15-0	1.46 in	White	INSIZE 2386	Insi	ze	408R88
Swivel-Head, Vertica	ıl								
0 in to 0.06 in	±0.0008 in	0.0005 in	0-15-0	1.46 in	White	INSIZE 2480	Insi	ze	55VN03
Tilted Face					1411.1	1110175 0000	<u> </u>		
0 in to 0.03 in	±0.0005 in	0.0005 in	0-15-0	1.46 in	White	INSIZE 2399	Insi		409L52
0 in to 0.06 in	±0.0005 in	0.0005 in	0-15-0	40 mm 1% in	White	Mitutoyo 513 Tilted Face	Mitut		4CGR5 6NAZ7
0 to 0.060 in 0 to 0.2mm		0.001 in 0.002 mm	0-15-0 0-100-0	1 3% in	White, Yellow Yellow	709 708M	Starr Starr		6NAZ6
Tilted Face Swivel, T	ilted Face	0.002 111111	0-100-0	178 111	IGHOW	7 00IVI	Jian	GIL	UNALU
0 in to 0.016 in	±0.0001 in	0.0001 in	0-4-0	1.5 in	White	Interapid 312	Tesa Brown	& Sharne	5RCK8
	±0.0005 in	0.0005 in	0-15-0	1.5 in	White	Interapid 312	Tesa Brown		5RCK7
0 in to 0.06 in	±0.0005 in	0.0005 in	0-15-0	1.25 in	White	Interapid 312	Tesa Brown		5RCL0
Vertical								•	
0 in to 0.03 in	±0.0005 in	0.0005 in	0-15-0	1.46 in	White	INSIZE 2398	Insi		408R90
0 in to 0.06 in	±0.0005 in	0.0005 in	0-15-0	1.5 in	Black	Interapid 312	Tesa Brown	& Sharpe	5RCL3
			Dial Dial					Mfr.	Item
Range	n.l.o.	Graduations	Dial Reading Size (in	1.)	Include	\$	Brand	Model	No.
Dial Test Indicator Se									
Back Plunger Indicat 0 to 0.2 in	ior Style	0.001 in	0-100 1.45		Clamp, Tool Po	et Holder	Starrett	196A1Z	2ZUJ4
Horizontal Test Indica	ator Style	0.001 111	0 100 1.43		olamp, room o	at Holder	Otarrott	IJUAIL	22004
0 in to 0.008 in	ator otyro	0.0001 in	0-4-0 1.57	5/32 and 3/8" Ster	ms Stem Nut Swivel C	lamp, Square Arm, Plastic Case	Mitutoyo	513-403-10T	1ZRT1
5 III 10 0.000 III		0.0001 in	0-5-0 1.30	Holdir	ng Rod, Inch Holding Ba	ar. Stem. Swivel Clamp	Mitutoyo	513-504-10T	4CGT2
0 in to 0.01 in						Rod Unit, Swivel Post Snug	Starrett		
		0.0001 in	0-5-0 1.37	w/	w/Dovetail Indicator Clamp, Tool Post Holder			708ACZ	2ZUK3
0 in to 0.03 in		0.0005 in	0-15-0	Dovetail B	ody Clamp, Snug and F	Rod Unit, Swivel Post Snug	Starrett	709ACZ	2ZUK4
			w/Dovetall filulcator Glaffly, Tool i Ost Holder		p, Tool Post Holder				
		0.0005 in 0.0005 in		9/8 III Sti	em, 932 in Swiver Clamp	ore Arm, Stem Nut Swivel Clamp	Mitutoyo	513-402-10T 513-412-10T	4LA92 1ZRT2
						are Arm, Stem Nut, Swivel Clamp ar, Stem, Swivel Clamp	Mitutoyo Mitutoyo	513-412-101 513-518-10T	4CGT4
0 in to 0.04 in			U-3U-U 1 3U					J 10=010=101	46014
		0.001 in	0-20-0 1.30	1mm Carbida Da					
0 in to 0.04 in 0 mm to 0.2 mm			0-20-0 1.30 0-100-0 40mm	1mm Carbide Po	int, 2mm Carbide Point	, 3mm Carbide Point, 4mm Stem,	Mitutoyo	513-405-10T	16X246
	n to 0.7 in 0.	0.001 in	0-100-0 40mm	n 1mm Carbide Po 8 mm Stem, (int, 2mm Carbide Point Clamp Ring, Holding Ba	, 3mm Carbide Point, 4mm Stem, r, Swivel Clamp, Test Indicator	Mitutoyo		
0 mm to 0.2 mm 0 mm to 0.7 mm, 0 in		0.001 in 0.002 mm	0-100-0 40mm	n 1mm Carbide Po 8 mm Stem, (int, 2mm Carbide Point Clamp Ring, Holding Ba	, 3mm Carbide Point, 4mm Stem,		513-405-10T	16X246 4CGR3
0 mm to 0.2 mm 0 mm to 0.7 mm, 0 ii Swivel Head Test Indi		0.001 in 0.002 mm 0005 in, 0.01 mm (0.0005 in	0-100-0 40mm 0-15-0; 0-35-0 1.570 0-15-0 1.00	n 1mm Carbide Po 8 mm Stem, () (2) Stem	int, 2mm Carbide Point Clamp Ring, Holding Ba	, 3mm Carbide Point, 4mm Stem, r, Swivel Clamp, Test Indicator	Mitutoyo Mitutoyo Starrett	513-405-10T 513-406-10T 711LCSZ	4CGR3 2ZUJ8
0 mm to 0.7 mm, 0 in Swivel Head Test Ind 0 in to 0.03 in	icator Style	0.001 in 0.002 mm 0005 in, 0.01 mm (0-100-0 40mm 0-15-0; 0-35-0 1.570	n 1mm Carbide Po 8 mm Stem, () (2) Stem	int, 2mm Carbide Point Clamp Ring, Holding Ba	, 3mm Carbide Point, 4mm Stem, r, Swivel Clamp, Test Indicator	Mitutoyo Mitutoyo	513-405-10T 513-406-10T	4CGR3
0 mm to 0.2 mm 0 mm to 0.7 mm, 0 ii Swivel Head Test Indi	icator Style	0.001 in 0.002 mm 0005 in, 0.01 mm (0.0005 in	0-100-0 40mm 0-15-0; 0-35-0 1.570 0-15-0 1.00	n 1mm Carbide Po 8 mm Stem, () (2) Stem	int, 2mm Carbide Point Clamp Ring, Holding Ba	, 3mm Carbide Point, 4mm Stem, r, Swivel Clamp, Test Indicator	Mitutoyo Mitutoyo Starrett	513-405-10T 513-406-10T 711LCSZ	4CGR3