□ ICO/IIC +//





Holding bar (optional)

Order No.	øD	L						
21AAA166	ø6mm	42mm						
136567	ø6mm	81mm						
124625	ø6.35mm	81mm						
21AAA167	ø6.35mm	42mm						
21AAA168	ø8mm	42mm						
136568	ø8mm	81mm						

* øD and L: detail shown in drawing below.

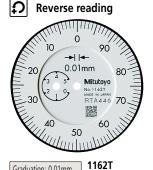
Back Plunger Type Dial Indicator SERIES 1

• Back plunger type dial gauges are suitable for mounting onto leveling machine tool tables or inspection jigs, and for use in situations where standard dial gauges are difficult to read.

• Model 1960T and 1961T, which uses Mitutoyo's proprietary shock-proofing mechanism, has excellent durability and shock resistance.



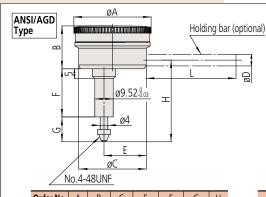




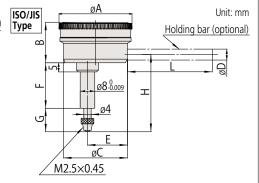
Graduation: 0.01mm, Measuring range: 5mm **Back plunger**

Graduation: 0.01mm, Measuring range: 5mm **Back plunger**

DIMENSIONS



Order No.		Α	В	С	Е	F	G	Н
	1166T	40	22.1	35.6	22.2	25	10.9	42
	1167T	40	22.1	35.6	22.2	25	10.9	42
	1168T	40	22.1	35.6	22.2	25	10.9	42
	1961T	40	22.1	35.6	22.2	25	10.9	40



Or	der No.	A B		ВС		F	G	Н
1	160T	40	22.1	35.6	22.2	25	13.8	43.3
1	162T	40	22.1	35.6	22.2	25	13.8	43.3
1	960T	40	22.1	35.6	22.2	28.7	12.8	46

Note 1: Contact point (standard accessory) for all products in this page has a role as a top dead point stopper. For this reason, if you need to install an optional contact point with an outside diameter smaller than 7mm, use a washer (with outside diameter of at least 7mm, inside diameter of 3mm, and thickness of approx. 0.5mm) placed between the contact point and the spindle.

Note 2: Dimensions of the inch (ANSI/AGD Type) dial indicator partly

differ from those of the metric (ISO/JIS Type) indicator.

Note 3: Inch (ANSI/AGD Type) dial indicators are provided with a stem of 3/8" dia. and #4-48UNF thread mount for the contact point.

Balanced scale in 1960T Graduation: 0.01mm, One revolution Measuring range: 1mm Shockproof **Back plunger**

FEATURES

Order No.	U	3	IJ	-	ı	_
1960T	1	1	_	_	_	_
1160T	_	_	_	_	_	_
1162T	_	_	~	_	_	_

Inch						
Order No.	U	3	Ð	_	_	_
1961T	~	~	_	_	_	_
1166T	_	_	_	_	_	_
1167T	-	_	_	_	_	_
44.00						

SPECIFICATIONS

Metric									isO/iis type
Order No. Graduation		Range (range/rev)	Accuracy				Repeatbility	Dial	Measuring
Order No.	Graduation	Natige (talige/fev)	Overall	Retrace	1/10 Rev	1 Rev	Repeatonity	reading	force
1960T	0.01mm	1mm (1.27mm)	14µm	4µm	8µm	_	3µm	50-0-50	1.4N or less
1160T	0.01mm	5mm (1mm)	16µm	4µm	8µm	14µm	3µm	±0-100	1.4N or less
1162T	0.01mm	5mm (1mm)	16µm	4µm	8µm	14µm	3µm	100-0	1.4N or less

* Completed products inspection is performed in the vertical position (contact point downward) and the stated accuracy is guaranteed. ANSI/AGD type

inch	ı						Wolf rob type
Order No.	Graduation	Range (range/rev)	Accuracy	Repeatbility	Dial	Measuring	
Order No.	Graduation		First 1 Rev / 2.5 Rev / 10 Rev	Retrace	Repeatolity	reading	force
1961T	.001"	.04" (.05")	±.001"/—/—	.0002"	±.0002"	20-0-20	1.4N or less
1166T	.001"	.2" (.05")	±.001" / ±.001" / ±.001"	.00033"	±.0002"	±0-50	1.4N or less
1167T	.001"	.2" (.05")	±.001" / ±.001" / ±.001"	.00033"	±.0002"	0-25-0	1.4N or less
1168T	.001"	.2" (.05")	±.001" / ±.001" / ±.001"	.00033"	±.0002"	50-0	1.4N or less

^{*} Completed products inspection is performed in the vertical position (contact point downward) and the stated accuracy is guaranteed.