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Our Priority



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Dial Gauge - Absolute Digimatic Indicator, Series 543, ID-CX, Inch > Dial Gauge - Absolute Digimatic Indicator, Series 543, ID-CX, Inch Part Numbers >
543-402

How can we improve?

Dial Gauge - Absolute Digimatic Indicator, Series 543, ID-CX, Inch (543-402)



Volume Discount is available

MITUTOYO

- The ABS (absolute) sensor restores the last origin position automatically when the indicator is turned on.
- Thanks to Mitutoyo's ABSOLUTE Linear Encoder, reliability has been increased due to elimination of over speed errors.
- Tolerance-judging measurement is available by setting upper and lower limit values.
- Battery life of approx. 7,000 hours in continuous use has been achieved with only one battery.
- Equipped with a data output port that enables incorporation into measurement networking and statistical process control systems.

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type

Measuring Range(mm/inch)

☒ .5"

Edit Part Configuration

Part Number 543-402

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Price

\$392.19 (USD)

Total

\$392.19 (USD)

Ship Date

Tue. Oct 24, 2023

Valid until 8PM, EST

Measured force(N)

☒ 0.9 or less

Specification

☒ w/ lug

Resolution

☒ .0005"/0.01mm

Accuracy (Overall)

☒ .001"

Qty.

1

Add to Cart

Quantity ?	Price (USD)	Ship Date
1-5	\$392.19	Oct 24, 2023
6-	\$392.19	TBD

NOTE : Ship Dates above are subject to change depending upon availability.

Configured Specifications

Application	Lever Type (Indicator)	Display Method	Digital
Measuring Range(mm/inch)	.5"	Measured force(N)	0.9 or less
Specification	w/ lug	Resolution	.0005"/0.01mm
Remark	-	Accuracy (Overall)	.001"

Catalog

Part Numbers

0254

Open



SPECIFICATIONS

Inch/Metric		Stem dia. 3/8", #4-48 UNF Thread		ISO/IEC type		ANSI/AGD type	
Resolution	Range	Order No. (w/lug, flat-back)	Model	Accuracy	Measuring force	Remarks	
.00005"/0.001mm*	.5" / 12.7mm	543-392 543-392B	ID-C112EXB	.0001"	1.5N or less	—	
.00005"/0.001mm*	.5" / 12.7mm	543-396 543-396B	ID-C112CEX	.0001"	0.4N - 0.7N	Low measuring force	
.00005"/0.001mm*	1" / 25.4mm	— 543-472B	ID-C125EXB	.0001"	1.8N or less	—	
.00005"/0.001mm*	2" / 50.8mm	— 543-492B	ID-C150EXB	.0002"	2.3N or less	—	
.0005"/0.01mm	.5" / 12.7mm	543-402 543-402B	ID-C1012EX	.001"	0.9N or less	—	
.0005"/0.01mm	.5" / 12.7mm	543-406 543-406B	ID-C1012CEX	.001"	0.2N - 0.5N	Low measuring force	
.0005"/0.01mm	1" / 25.4mm	— 543-476B	ID-C1025EXB	.001"	1.8N or less	—	
.0005"/0.01mm	2" / 50.8mm	— 543-496B	ID-C112CEXB	.0016"	2.3N or less	—	

* Switchable Resolution Type

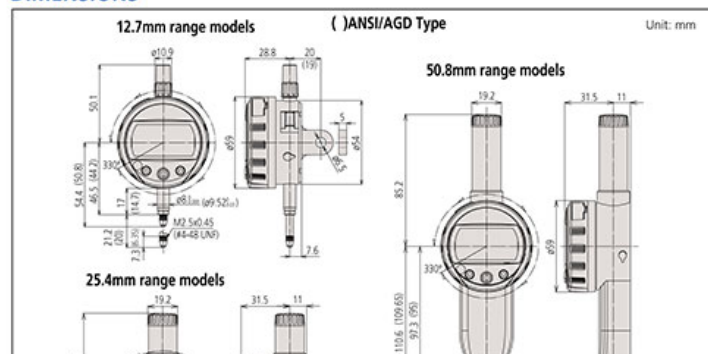
Inch/Metric		Stem ø 8mm, M2.5 x 0.45 Thread		ISO/IEC type		ANSI/AGD type	
Resolution	Range	Order No. (w/lug, flat-back)	Model	Accuracy	Measuring force	Remarks	
.00005"/0.001mm*	.5" / 12.7mm	543-391 543-391B	ID-C112MX	.0001"	1.5N or less	—	
.00005"/0.001mm*	.5" / 12.7mm	543-395 543-395B	ID-C112CMX	.0001"	0.4N - 0.7N	Low measuring force	
.00005"/0.001mm*	1" / 25.4mm	— 543-471B	ID-C125MXB	.0001"	1.8N or less	—	
.00005"/0.001mm*	2" / 50.8mm	— 543-491B	ID-C150MXB	.0002"	2.3N or less	—	
.0005"/0.01mm	.5" / 12.7mm	543-401 543-401B	ID-C1012MX	.001"	0.9N or less	—	
.0005"/0.01mm	.5" / 12.7mm	543-405 543-405B	ID-C1012CMX	.001"	0.2N - 0.5N	Low measuring force	
.0005"/0.01mm	1" / 25.4mm	— 543-475B	ID-C1025MXB	.001"	1.8N or less	—	
.0005"/0.01mm	2" / 50.8mm	— 543-495B	ID-C1050MXB	.0016"	2.3N or less	—	

* Switchable Resolution Type

Metric		Stem ø 8mm, M2.5 x 0.45 Thread		ISO/IEC type		ANSI/AGD type	
Resolution	Range	Order No. (w/lug, flat-back)	Model	Accuracy	Measuring force	Remarks	
0.001mm*	12.7mm	543-390 543-390B	ID-C112X	0.003mm	1.5N or less	—	
0.001mm*	12.7mm	543-394 543-394B	ID-C112CX	0.003mm	0.4N - 0.7N	Low measuring force	
0.001mm*	25.4mm	— 543-470B	ID-C125XB	0.003mm	1.8N or less	—	
0.001mm*	50.8mm	— 543-490B	ID-C150XB	0.006mm	2.3N or less	—	
0.01mm	12.7mm	543-400 543-400B	ID-C1012X	0.02mm	0.9N or less	—	
0.01mm	12.7mm	543-404 543-404B	ID-C1012CX	0.02mm	0.2N - 0.5N	Low measuring force	
0.01mm	25.4mm	— 543-474B	ID-C1025XB	0.03mm	1.8N or less	—	
0.01mm	50.8mm	— 543-494B	ID-C1050XB	0.04mm	2.3N or less	—	

* Switchable Resolution Type

DIMENSIONS

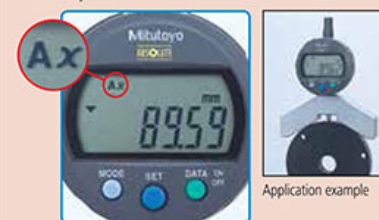


330° Rotary display

The display can be rotated 330°, allowing use at a position where you can easily read the measurement value.

Calculation: $f(x) = Ax$

Mounting the ID-C on a measuring jig and setting the multiplying factor A (to any value) allows direct measurement without using a conversion table and improves measurement efficiency.



Function locking

Ensures reliability of measurement by locking the settings to prevent preset function settings from being changed by mistake.



Setting measuring force on low measuring force models.

• 543-404/404B/405/405B/406/406B

Spindle orientation	Spring	Weight (approximately 0.1N)	Maximum measuring force
Pointing vertically downward	Yes	Yes	0.5N
	No	No	0.4N
Horizontal	Yes	No	0.3N
	No	No	0.2N

Note: Operation using configurations other than shown above is not guaranteed.

• 543-394/394B/395/395B/396/396B

Spindle orientation	Spring	Weight (approximately 0.1N)	Maximum measuring force
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Basic Information

Application	Lever Type (Indicator)	Display Method	Digital
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Product Notes: Please check the product specification for the part number 543-402 on the Dial Gauge - Absolute Digimatic Indicator, Series 543, ID-CX, Inch. The 543-402 is included in our offerings for MITUTOYO Dial Gauges and our full line of MITUTOYO products.

 The specifications and dimensions of some parts may not be fully covered. For exact details, refer to [manufacturer catalogs](#).

Products like this...

Part Number	Volume Discount	Days to Ship 	Measuring Range (mm/inch)	Measured force (N)	Specification	Resolution	Remark	A (mm)
543-392		32 Days	.5"	1.5 or less	w/ lug	.0005"/.0001"/.00005"/.001mm /0.01mm	-	
543-396		32 Days	.5"	0.4 - 0.7	w/ lug	.0005"/.0001"/.00005"/.001mm /0.01mm	Low measuring force	
543-396B		32 Days	.5"	0.4 - 0.7	flat-back	.0005"/.0001"/.00005"/.001mm /0.01mm	Low measuring force	
543-402B		32 Days	.5"	0.9 or less	flat-back	.0005"/0.01mm	-	
543-406		62 Days	.5"	0.2 - 0.5	w/ lug	.0005"/0.01mm	Low measuring force	
543-476B								

Additional Products in this Category

Dial Gauge - Durometer Holder Stand	Driver Wrench for Test Indicator	542 Series, Linear Gauge / Gauge Head (with Origin Mark) LGF-Z
Dial Gauge - Stem Bush, ø8mm, Short	Dial Test Indicator - Horizontal Type, Series 513, Inch/Metric	Digimatic Indicator - ID-C, Series 543
SD Absolute Digimatic Scale Unit - Series 572	Dial Gauge - Thickness Type, Series 7, Inch/Metric	

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