

ABSOLUTE Digimatic Indicator ID-C

Series 543

Metric

No.	No. Lug back plate	Range [mm]	Digital step	Accuracy	Remarks	Measuring force [N]	Mass [g]
543-390B	543-390	12.7	0,001/0,01 mm	0,003 mm		≤ 1,5	170
543-394B	543-394	12.7	0,001/0,01 mm	0,003 mm	Low force	0,4-0,7	170
543-400B	543-400	12.7	0,01 mm	0,02 mm		≤ 0,9	170
543-404B	543-404	12.7	0,01 mm	0,02 mm	Low force	0,2-0,5	170
543-470B		25.4	0,001/0,01 mm	0,003 mm		≤ 1,8	190
543-474B		25.4	0,01 mm	0,02 mm		≤ 1,8	190
543-490B		50.8	0,001/0,01 mm	0,005 mm		≤ 2,3	260
543-494B		50.8	0,01 mm	0,04 mm		≤ 2,3	260

No. with "B": Flat back plate

Specification low measuring force models : see below



Setting measuring force on low measuring force models

•543-404/404B

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

•543-394/394B

Spindle orientation	Spring	Weight (approximately 0.1N)	Maximum measuring force
Pointing vertically downward	Yes	Yes	0.7N
	Yes	No	0.6N
	No	Yes	0.4N
	No	No	Not guaranteed
Horizontal	Not guaranteed		

Functions	Series 543
ZERO/ABS	●
GO/±NG judgement	●
Digimatic data output	●
ON/OFF	●
DATA/HOLD	●
Lock function	●
PRESET	●
Counting direction switchable	●
Calculation function	●
Selectable resolution*	●

Specifications

Accuracy	Refer to the list of specifications (excluding quantizing error)
Scale	Capacitance type, ABSOLUTE linear encoder
Stem Ø	8 mm (ISO/JIS type)
Max. response speed	Unlimited
Contact point	Carbide ball, thread M 2.5 x 0.45 mm (ISO/JIS type)
Alarm	Low voltage, counting value composition error, overflow error, tolerance limit setting error
Power supply	1 battery SR-44
Battery life	approx. 7.000 hours
Display	LCD character height 11 mm Rotatable 330°

Optional accessories

No.	Description
540774	Spindle lifting cable
21EZA198	Spindle lifting lever (12,7 model)
21EZA105	Spindle lifting knob (12,7 models)
21EZA200	Spindle lifting knob (50 models)
02ACA571	Auxiliary spindle spring (25,4 models)
02ACA773	Auxiliary spindle spring (50 models)

Digimatic Signal Cables

905338	Digimatic cable (1 m)
905409	Digimatic cable (2 m)
02AZD790F	Connecting cable U-Wave
06ADV380F	USB Input Tool Direct cable (2 m)

02ACA571/02ACA773 : required when orienting the indicator upside down
21EZA105 : not available for low measuring force models
540774 : moving measuring range max. 28 mm

Consumable spares

No.	Description
938882	Battery SR44
901312	Standard contact point

*0,001 mm type