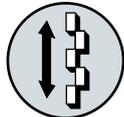


Reference Gages

Length Standards Brought to You by Mitutoyo

Height Master SERIES 515

- Height Master is a bestselling product with a name that has become the industry term for height reference instruments.



Staggered 20mm blocks (movable)



Vertical orientation



Riser block

515-322

SPECIFICATIONS

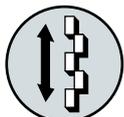
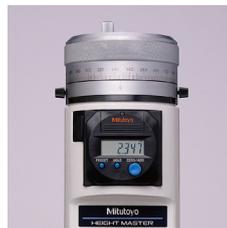
Metric		
Order No.	515-322	
Range (H)	5 < H ≤ 310mm	
Graduation	0.001mm	
Block step	20mm (staggered)	
Micrometer adjustment	20mm	
Micrometer feed	0.5mm/rev	
Block pitch accuracy	±1.5μm	
Parallelism of blocks	1.0μm	
Feed error	±1.0μm	
Retrace error	1.0μm	
Mass	23kg	

Notes: 1) The block accuracy and the parallelism of blocks are relative to the main unit installation surface.
2) Supplied with a wooden storage case as standard.

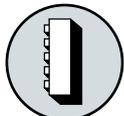
Inch		
Order No.	515-310	515-311
Range (H)	.2" < H ≤ 12.2"	.2" < H ≤ 12.2"
Graduation	.00001"	
Block step	.5" (straight)	1" (staggered)
Micrometer adjustment	1"	
Micrometer feed	.025"	
Block pitch accuracy	±50μin	
Parallelism of blocks	40μin	
Feed error	±40μin	
Retrace error	40μin	
Mass	23kg	

Notes: 1) The block accuracy and the parallelism of blocks are relative to the main unit installation surface.
2) Supplied with a wooden storage case as standard.

- Equipped with a data output port that enables incorporation into measurement networking and statistical process control systems. (Refer to Page A-3 for details.)



Staggered 20mm blocks (movable)



Vertical orientation



Riser block

515-374

SPECIFICATIONS

Metric			
Order No.	515-374	515-376	515-378
Range (H)	10 < H ≤ 310mm	10 < H ≤ 460mm	10 < H ≤ 610mm
Graduation	0.001mm		
Block step	20mm (staggered)		
Micrometer adjustment	20mm		
Micrometer feed	0.5mm/rev		
Block pitch accuracy	±1.5μm		
Parallelism of blocks	0 < H ≤ 310mm	2.0μm	
	310 < H ≤ 450mm	—	±2.5μm
	450 < H ≤ 610mm	—	±3.5μm
Feed error	0 < H ≤ 310mm	±2.0μm	
	310 < H ≤ 610mm	—	2.5μm
Retrace error	2.0μm	2.5μm	
Mass	9.5kg	13.6kg	16kg

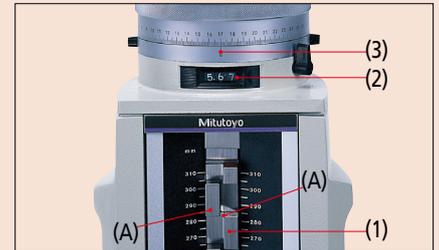
* The block accuracy and the parallelism of blocks are based on main unit installation surface, which does not include the retrace error.



An inspection certificate is supplied as standard. Refer to page X for details.



Reading



(A) Height A

(1) Scale	280. mm
(2) Counter	5.67 mm
(3) Thimble	0.000mm
	285.670mm



An inspection certificate is supplied as standard. Refer to page X for details.

Technical Data

Display:	LCD
Battery:	SR44 (2 pcs.), 938882
Battery life:	Approx. 1.8 years under normal use

Function

Zero setting, Presetting, ABS/INC switching, Data hold, Data output, Auto power off, inch/mm conversion (inch/mm models)
Alarm: Low voltage, Counting value composition error

Optional Accessories

515-111:	Auxiliary block kit for bore gage (mm)
515-120:	Auxiliary block kit for bore gage (inch)
—:	Riser block (see page E-36.)
959149:	SPC cable (1m)
959150:	SPC cable (2m)

Inch			
Order No.	515-375	515-377	515-379
Range (H)	.5" < H ≤ 12"	.5" < H ≤ 18"	.5" < H ≤ 24"
Graduation	.00001"		
Block step	1" (staggered)		
Micrometer adjustment	1"		
Micrometer feed	.025"/rev		
Block pitch accuracy	0 < H ≤ 12"	±100μin	
	12" < H ≤ 18"	—	±100μin
	18" < H ≤ 24"	—	±150μin
Parallelism of blocks	0 < H ≤ 12"	50μin	
	12" < H ≤ 18"	—	100μin
Feed error	±100μin	100μin	
Retrace error	100μin	100μin	
Mass	9.5kg	13.6kg	16kg

* The block accuracy and the parallelism of blocks are based on main unit installation surface, which does not include the retrace error.