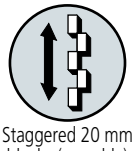
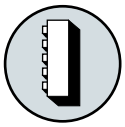
Height Master SERIES 515

- Height Master is a best-selling product with a name that has become the industry standard for height reference instruments.



Staggered 20 mm blocks (movable)



Vertical orientation

Riser block

515-322

SPECIFICATIONS

Metric

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

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

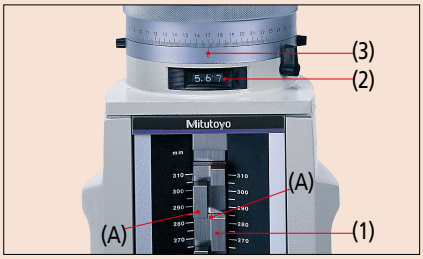
Inch

Order No.	515-310	515-311
Range (H)	0.2 in < H ≤ 12.2 in	0.2 in < H ≤ 12.2 in
Graduation (analog scale)	0.00001 in	
Block step	0.5 in (straight)	1 in (staggered)
Micrometer adjustment	1 in	
Micrometer feed	0.025 in/rev	
Block pitch accuracy	±50 µin	
Parallelism of blocks	40 µin	
Feed error	±40 µin	
Retrace error	40 µin	
Mass	23 kg	

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

Typical application

Reading

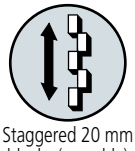


(A) Height A

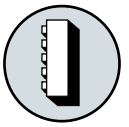
(1) Scale	280.	mm
(2) Counter	5.67	mm
(3) Thimble	0.000	mm
	285.670	mm

MeasurLink® ENABLED
Data Management Software by Mitutoyo

Digital Height Master SERIES 515



Staggered 20 mm blocks (movable)



Vertical orientation

Riser block

515-374

- Best-selling height reference 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)

SPECIFICATIONS

Metric

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

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

Inch

Order No.	515-375	515-377	515-379
Range (H)	0.5 in < H ≤ 12 in	0.5 in < H ≤ 18 in	0.5 in < H ≤ 24 in
Resolution (digital display)	0.0001 in		
Block step	1 in (staggered)		
Micrometer adjustment	1 in		
Micrometer feed	0.025 in/rev		
Block pitch accuracy 0 < H ≤ 12 in	±100 µin		
Block pitch accuracy 12 in < H ≤ 18 in	—	±100 µin	
Block pitch accuracy 18 in < H ≤ 24 in	—	—	±150 µin
Parallelism of blocks 0<H≤12 in	50 µin		
Parallelism of blocks 12 in < H ≤ 18 in	—	100 µin	
Feed error	±100 µin		±100 µin
Retrace error	100 µin		100 µin
Mass	9.5 kg	13.6 kg	16 kg

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

Technical Data

- Display: LCD 6 digits
- Battery: SR44 (2 pcs.)
- Battery life: Approx. 1.8 years under normal use

Function

Zero setting, Origin-setting, Origin restoration, Data hold, Auto power off, Data output

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 (1 m)
959150: SPC cable (2 m)