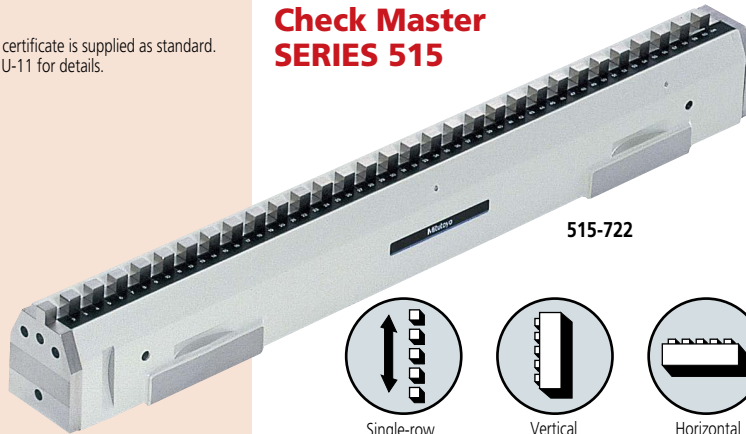




An inspection certificate is supplied as standard. Refer to page U-11 for details.

## Check Master SERIES 515



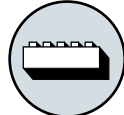
515-722



Single-row  
10 mm (0.5 in) blocks



Vertical  
orientation



Horizontal  
orientation

- Designed to check the accuracy of table movements of machine tools and calibrate CMMs.
- Can be used in either vertical or horizontal orientation.



515-724

515-723

515-722

### SPECIFICATIONS

Metric					
Order No.	515-720	515-721	515-722	515-723	515-724
Range (H)	310 mm	450 mm	610 mm	1010 mm	1510 mm
Block step	10 mm				
Block pitch accuracy	$H \leq 310$ mm	$\pm 2.5$ $\mu$ m			
	$310 < H \leq 610$ mm	—	$\pm 3.5$ $\mu$ m		
	$610 < H \leq 1010$ mm	—	—	$\pm 5.0$ $\mu$ m	
	$1010 < H \leq 1510$ mm	—	—	—	$\pm 8.0$ $\mu$ m
Parallelism of blocks	$H \leq 310$ mm	1.2 $\mu$ m			
	$310 < H \leq 610$ mm	—	1.5 $\mu$ m		
	$610 < H \leq 1010$ mm	—	—	2.0 $\mu$ m	
	$1010 < H \leq 1510$ mm	—	—	—	2.5 $\mu$ m
Mass	7 kg	10 kg	13 kg	22 kg	30 kg

Inch				
Order No.	515-710	515-711	515-712	515-713
Range (H)	12.5 in	18.5 in	24.5 in	40.5 in
Block step	0.5 in			
Block pitch accuracy	$H \leq 12.5$ in	$\pm 100$ $\mu$ m		
	$12.5 < H \leq 24.5$ in	—	$\pm 150$ $\mu$ m	
	$24.5 < H \leq 40.5$ in	—	—	$\pm 200$ $\mu$ m
Parallelism of blocks	$H \leq 12.5$ in	50 $\mu$ m		
	$12.5 < H \leq 24.5$ in	—	60 $\mu$ m	
	$24.5 < H \leq 40.5$ in	—	—	80 $\mu$ m
Mass	7 kg	10 kg	13 kg	22 kg

Note 1: The block accuracy and the parallelism of blocks are relative to the main unit installation surface.

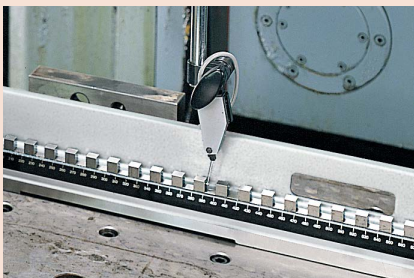
Note 2: Supplied with a wooden storage case as standard.

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.



An inspection certificate is supplied as standard. Refer to page U-11 for details.

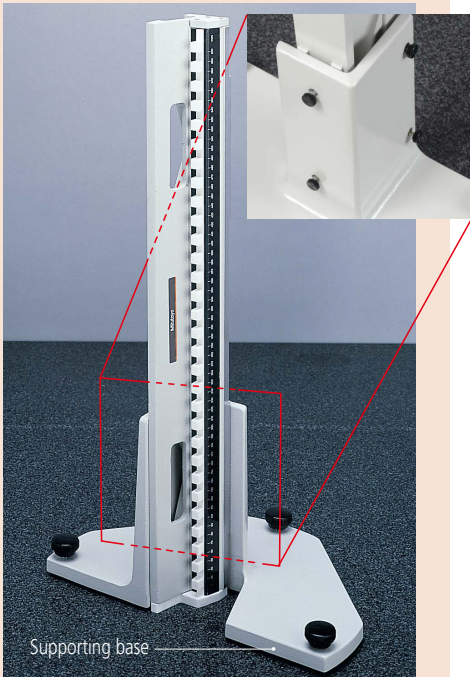


Typical application using in horizontal orientation

### Optional Accessories

Supporting base

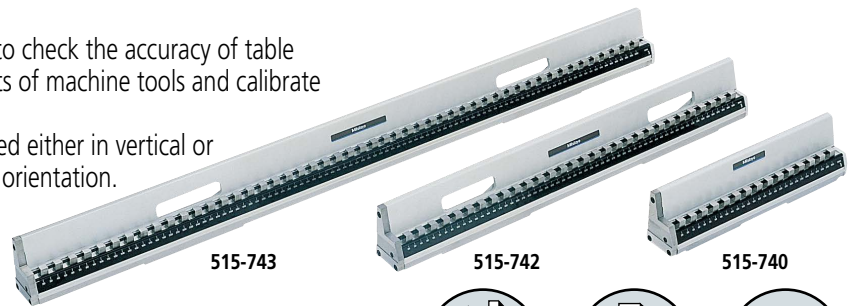
- 601167**: Supporting base for vertical operation
- Enables stable operation in the vertical orientation.



Supporting base

## High Accuracy Check Master SERIES 515

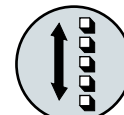
- Designed to check the accuracy of table movements of machine tools and calibrate CMMs.
- Can be used either in vertical or horizontal orientation.



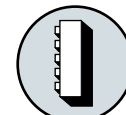
515-743

515-742

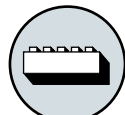
515-740



Single-row  
10 mm (5 in) blocks



Vertical  
orientation



Horizontal  
orientation

### SPECIFICATIONS

Metric					
Order No.	515-740/515-760*	515-741/515-761*	515-742/515-762*	515-743/515-763*	515-744/515-764*
Range (H)	310 mm	450 mm	610 mm	1010 mm	1510 mm
Block step	10 mm				
Block pitch accuracy	$H \leq 310$ mm	$\pm 1.2$ $\mu$ m			
	$310 < H \leq 610$ mm	—	$\pm 1.8$ $\mu$ m		
	$610 < H \leq 1010$ mm	—	—	$\pm 2.5$ $\mu$ m	
	$1010 < H \leq 1510$ mm	—	—	—	$\pm 4.0$ $\mu$ m
Parallelism of blocks	$H \leq 450$ mm	1.0 $\mu$ m			
	$450 < H \leq 1010$ mm	—	—	1.5 $\mu$ m	
	$1010 < H \leq 1510$ mm	—	—	—	2.0 $\mu$ m
	Mass	3.6 kg	5.4 kg	7.2 kg	12 kg

\* Ceramic Check Master

Note: The block accuracy and the parallelism of blocks are relative to the main unit installation surface.

Inch					
Order No.	515-730/515-750*	515-731/515-751*	515-732/515-752*	515-733/515-753*	515-734/515-754*
Range (H)	12.5 in	18.5 in	24.5 in	40.5 in	60.5 in
Block step	0.5 in				
Block pitch accuracy	$H \leq 12.5$ in	$\pm 50$ $\mu$ m			
	$12.5 < H \leq 24.5$ in	—	$\pm 70$ $\mu$ m		
	$24.5 < H \leq 40.5$ in	—	—	$\pm 100$ $\mu$ m	
	$40.5 < H \leq 60.5$ in	—	—	—	$\pm 158$ $\mu$ m
Parallelism of blocks	$H \leq 18.5$ in	40 $\mu$ m			
	$18.5 < H \leq 40.5$ in	—	60 $\mu$ m		
	$40.5 < H \leq 60.5$ in	—	—	80 $\mu$ m	
Mass	3.6 kg	5.4 kg	7.2 kg	12 kg	18 kg

\* Ceramic Check Master

Note: The block accuracy and the parallelism of blocks are relative to the main unit installation surface.