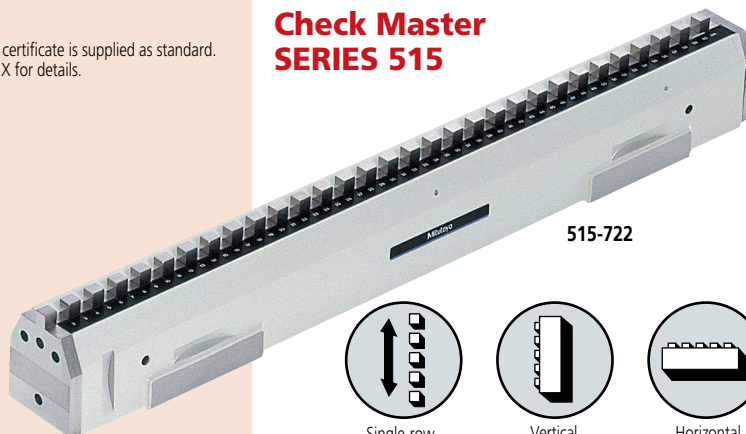




An inspection certificate is supplied as standard.
Refer to page X for details.

Check Master SERIES 515



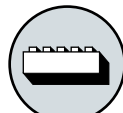
515-722



Single-row
10mm (5") 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		515-720	515-721	515-722	515-723	515-724
Order No.		515-720	515-721	515-722	515-723	515-724
Range (H)		300 mm	450 mm	600 mm	1000 mm	1500 mm
Block step		10mm				
Block pitch accuracy	$H \leq 310$ mm	$\pm 2.5 \mu\text{m}$				
	$310 < H \leq 610$ mm	—	—	$\pm 3.5 \mu\text{m}$	—	—
	$610 < H \leq 1010$ mm	—	—	—	$\pm 5.0 \mu\text{m}$	—
	$1010 < H \leq 1510$ mm	—	—	—	—	$\pm 8.0 \mu\text{m}$
Parallelism of blocks	$H \leq 310$ mm	$1.2 \mu\text{m}$				
	$310 < H \leq 610$ mm	—	—	$1.5 \mu\text{m}$	—	—
	$610 < H \leq 1010$ mm	—	—	—	$2.0 \mu\text{m}$	—
	$1010 < H \leq 1510$ mm	—	—	—	—	$2.5 \mu\text{m}$
Mass		7 kg	10 kg	13 kg	22 kg	30 kg

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		515-710	515-711	515-712	515-713
Order No.		515-710	515-711	515-712	515-713
Range (H)		12"	18"	24"	40"
Block step		.5"			
Block pitch accuracy	$H \leq 12"$	$\pm 100 \mu\text{in}$			
	$12" < H \leq 24"$	—	—	$\pm 150 \mu\text{in}$	—
	$24" < H \leq 40"$	—	—	—	$\pm 200 \mu\text{in}$
	$H \leq 12"$	$50 \mu\text{in}$			
Parallelism of blocks	$12" < H \leq 24"$	—	—	$60 \mu\text{in}$	—
	$24" < H \leq 40"$	—	—	—	$80 \mu\text{in}$
Mass		7 kg	10 kg	13 kg	22 kg

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

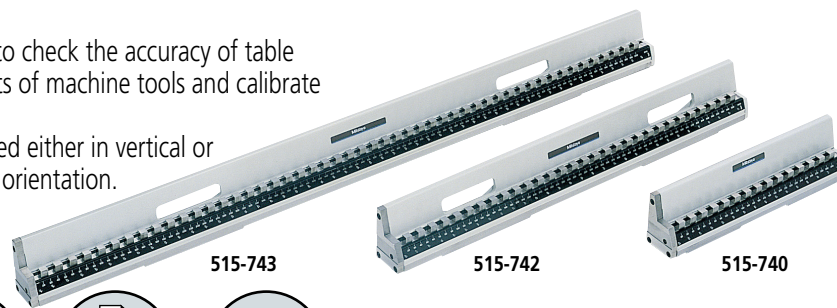
2) Supplied with a wooden storage case as standard.



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

High Accuracy Check Master SERIES 515

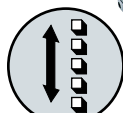
- Designed to check the accuracy of table movements of machine tools and calibrate CMMs.
- Can be used either in vertical or horizontal orientation.



515-743

515-742

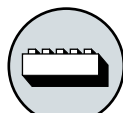
515-740



Single-row
10mm (5") blocks



Vertical
orientation



Horizontal
orientation

SPECIFICATIONS

Metric		515-740/515-760*	515-741/515-761*	515-742/515-762*	515-743/515-763*	515-744/515-764*
Order No.		515-740/515-760*	515-741/515-761*	515-742/515-762*	515-743/515-763*	515-744/515-764*
Range (R)		300 mm	450 mm	600 mm	1000 mm	1500 mm
Block step		10mm				
Block pitch accuracy	$H \leq 310$ mm	$\pm 1.2 \mu\text{m}$				
	$310 < H \leq 610$ mm	—	—	$\pm 1.8 \mu\text{m}$	—	—
	$610 < H \leq 1010$ mm	—	—	—	$\pm 2.5 \mu\text{m}$	—
	$1010 < H \leq 1510$ mm	—	—	—	—	$\pm 4.0 \mu\text{m}$
Parallelism of blocks	$H \leq 450$ mm	$1.0 \mu\text{m}$				
	$450 < H \leq 1010$ mm	—	—	$1.5 \mu\text{m}$	—	—
	$1010 < H \leq 1510$ mm	—	—	—	$2.0 \mu\text{m}$	—
Mass		3.6 kg	5.4 kg	7.2 kg	12 kg	18 kg

* Ceramic Check Master

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

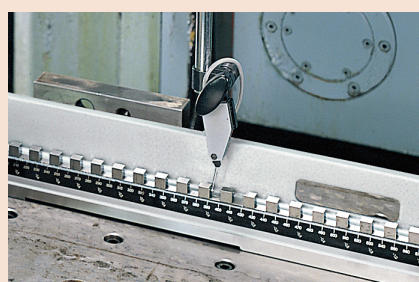
2) Supplied with a wooden storage case as standard.

Inch		515-730/515-750*	515-731/515-751*	515-732/515-752*	515-733/515-753*	515-734/515-754*
Order No.		515-730/515-750*	515-731/515-751*	515-732/515-752*	515-733/515-753*	515-734/515-754*
Range (R)		12"	18"	24"	40"	60"
Block step		.5"				
Block pitch accuracy	$H \leq 12"$	$\pm 50 \mu\text{in}$				
	$12" < H \leq 24"$	—	—	$\pm 70 \mu\text{in}$	—	—
	$24" < H \leq 40"$	—	—	—	$\pm 100 \mu\text{in}$	—
	$40" < H \leq 60"$	—	—	—	—	$\pm 158 \mu\text{in}$
Parallelism of blocks	$H \leq 18"$	$40 \mu\text{in}$				
	$18" < H \leq 40"$	—	—	$60 \mu\text{in}$	—	—
	$40" < H \leq 60"$	—	—	—	$80 \mu\text{in}$	—
Mass		3.6 kg	5.4 kg	7.2 kg	12 kg	18 kg

* Ceramic Check Master

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

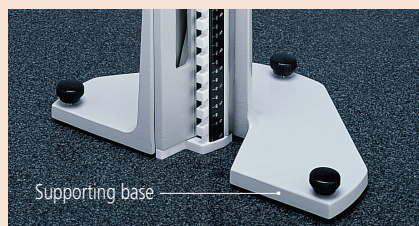
2) Supplied with a wooden storage case as standard.



Using in horizontal orientation

Optional Accessories

Supporting base
601167: Supporting base for vertical operation



Supporting base