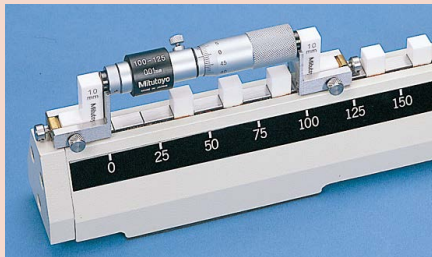


■適用



■量測範例



■標準附屬品



V型溝支架夾 (No.940286※) 1對
輔助塊10 mm 2個
墊圈 (No.602195) 2個
固定螺絲起子 (No.600324) 1個
※：零件No.表示為1對(2個)。

■收納木箱 (選購品)
CI-300C用 No.602160
CI-600C用 No.602163

內徑測定器

515系列 陶瓷內徑Micro Checker
CI

- 可輕鬆且確實地進行內徑測微器的基點確認。
- 可使用於IM、IMJ、IMJ-M、IMP (50以上)。(不可用於IMJ-MJ、IMZ、IMZ-M、IMZ-MJ、IMS)



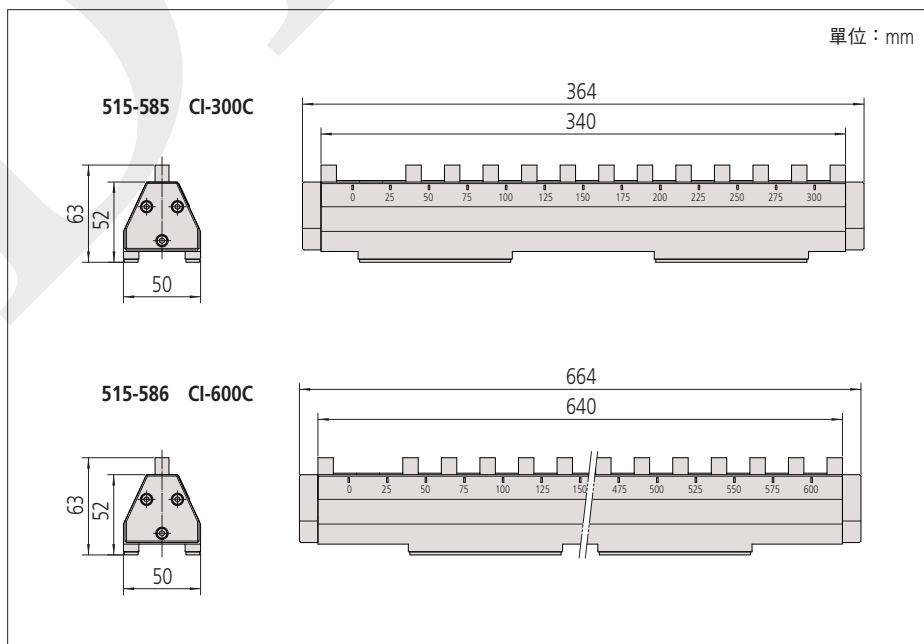
515-585
CI-300C

■規格

Code No.	型號	基點確認範圍 (mm)	塊規的尺寸容許差
515-585	CI-300C	25~300	$\pm \left(1 + \frac{L}{150} \right) \mu\text{m}$ L: 塊規間長度 (mm)
515-586	CI-600C	25~600	

註：請注意，底面與量測面並非呈直角。

■外觀尺寸圖



C



高度計

515系列 卡尺校正器 CC

- 能有效率地進行游標卡尺與高度計的精度檢查。



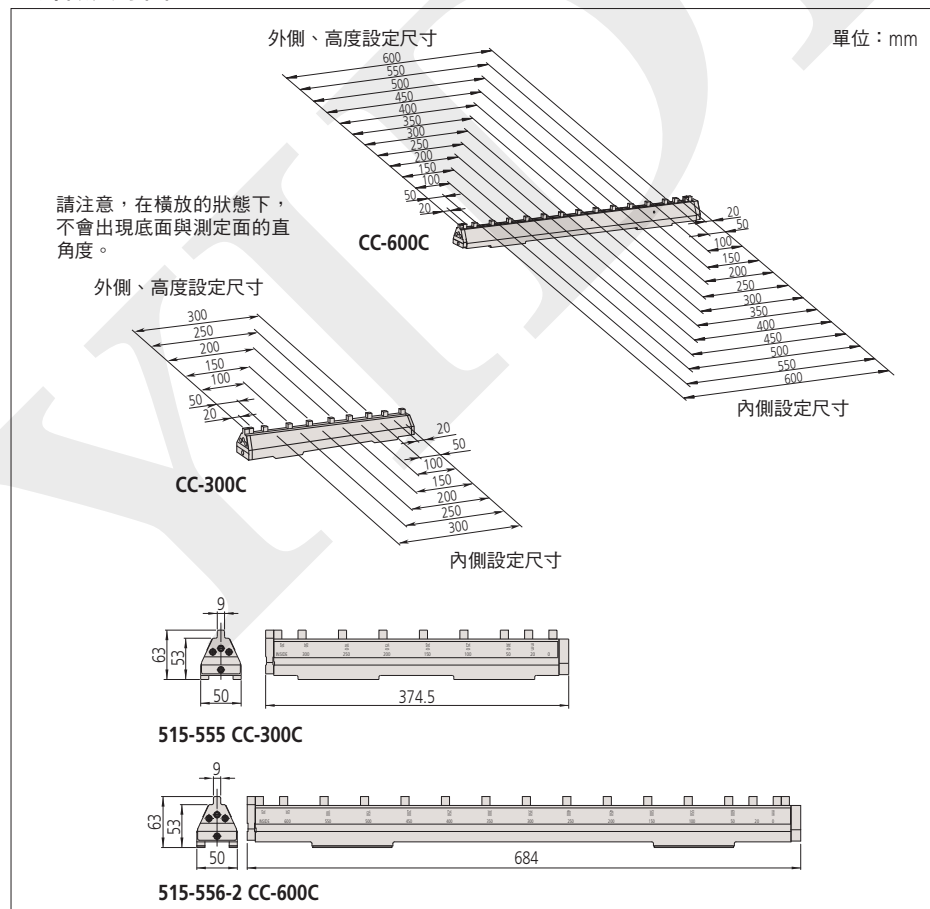
515-555
CC-300C

■規格

Code No.	型號	塊規的尺寸容許差※		塊規的尺寸容許差寬度※		重量 (kg)
		20~300 mm	350~600 mm	20~300 mm	350~600 mm	
515-555	CC-300C	±5.0 μm	—	2.0 μm	—	4
515-556-2	CC-600C	±5.0 μm	±7.0 μm	2.0 μm	4.0 μm	8.5

- ※：規格中的塊規尺寸容許差及塊規的尺寸容許差寬度
- 若為游標卡尺的外側及高度計：以下端基準面為基準
 - 若為游標卡尺的內側：以內側基準面為基準值。

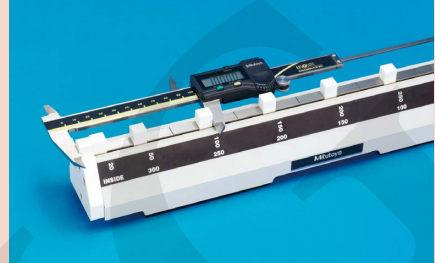
■外觀尺寸圖



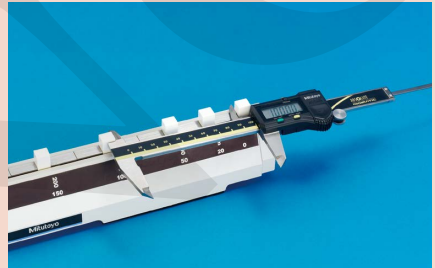
■適用



■使用例



游標卡尺的外側精度檢查



游標卡尺的內側精度檢查



高度計的精度檢查

■配件（選購品）

- 收納箱
CC-300使用No.602162
CC-600使用No.602164

深度計

128系列 單體式測微器型深度計
DMS

- 心軸的直徑：φ4 mm
- 附止動裝置
註：止動裝置在照片背面。

- 亦有測定面為超硬合金測桿。
- 附定壓裝置



128-101 DMS60-25



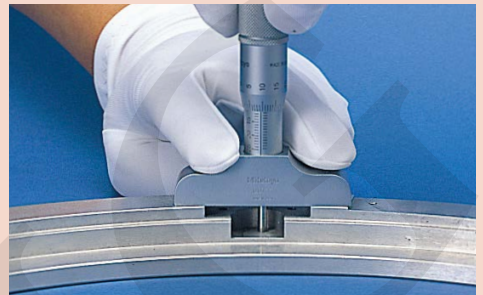
128-102 DMS100-25

■ 規格

Code No.	型號	量測範圍 (mm)	刻度 (mm)	最大容許誤差 MPE (μm)	基準面的平面度 (μm)	測定面的平面度 (μm)	底座面尺寸 (mm)
128-101	DMS60-25	0~25	0.01	± 3	1.3	0.3	63.5×16
128-102	DMS100-25	0~25			2		101.6×16
測定面為超硬合金							
128-103	DMS60-25W	0~25	0.01	± 3	1.3	0.3	63.5×16
128-104	DMS100-25W	0~25			2		101.6×16

● 標準附屬品：扳手 (No.301336) 1支

■ 量測範例



515系列 深度計校正儀
CD

- 專為測微器型深度計設計，可進行高效率基點調整。



515-570 CD-150

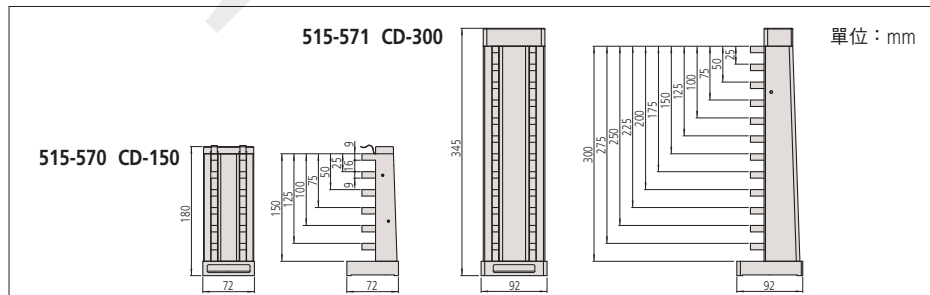


515-571 CD-300

■ 規格

Code No.	型號	基點設定範圍 (mm)	本體的尺寸容許差 (μm)	測砧塊的尺寸容許差 (μm)
515-570	CD-150	0~150	$\pm \left(1 + \frac{L}{150} \right)$ L=設定長度 (mm)	± 0.5
515-571	CD-300	0~300		

■ 外觀尺寸圖



Mitutoyo

D-61

外觀・規格・價格等會因為商品改良的緣故，有時會有些許的變更，敬請見諒。

■適用



測定基準器

515系列 階規 HMC

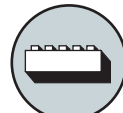
- 此檢查專用器將固定所有塊規，讓您輕鬆檢查大型機器，例如三次元量測儀及工具機等。
- 縱向及橫向兩種方向皆可使用。



單列10mm固定



可於縱向放置時使用



可於橫向放置時使用

■規格

Code No.	515-720	515-721	515-722	515-723	515-724
型號	HMC-300	HMC-450	HMC-600	HMC-1000	HMC-1500
量測範圍 (H)	310 mm	450 mm	610 mm	1010 mm	1510 mm
塊規的 尺寸容許差	$H \leq 310$ mm	±2.5 μm			
	$310 < H \leq 610$ mm	±3.5 μm			
	$610 < H \leq 1010$ mm	—			±5.0 μm
	$1010 < H \leq 1510$ mm	—			±8.0 μm
塊規的尺寸 容許差範圍	$H \leq 310$ mm	1.2 μm			
	$310 < H \leq 610$ mm	1.5 μm			
	$610 < H \leq 1010$ mm	—			2.0 μm
	$1010 < H \leq 1510$ mm	—			2.5 μm
重量	7 kg	10 kg	13 kg	22 kg	30 kg

註1：塊規的尺寸容許差及塊規的尺寸容許差範圍以其下端為基準。

註2：附收納木箱（標準附屬品）

註3：若欲附JCSS校正證書，請於下訂時在CodeNo.515-72*的最後加上-023。

註：高精度型為客製品。

E



An inspection certificate is supplied as standard. Refer to page U-9 for details.

Check Master SERIES 515



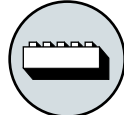
515-722



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	± 2.5 μ m			
	$310 < H \leq 610$ mm	—	± 3.5 μ m		
	$610 < H \leq 1010$ mm	—	—	± 5.0 μ m	
	$1010 < H \leq 1510$ mm	—	—	—	± 8.0 μ m
Parallelism of blocks	$H \leq 310$ mm	1.2 μ m			
	$310 < H \leq 610$ mm	—	1.5 μ m		
	$610 < H \leq 1010$ mm	—	—	2.0 μ m	
	$1010 < H \leq 1510$ mm	—	—	—	2.5 μ 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	± 100 μ m		
	$12.5 < H \leq 24.5$ in	—	± 150 μ m	
	$24.5 < H \leq 40.5$ in	—	—	± 200 μ m
Parallelism of blocks	$H \leq 12.5$ in	50 μ m		
	$12.5 < H \leq 24.5$ in	—	60 μ m	
	$24.5 < H \leq 40.5$ in	—	—	80 μ 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.

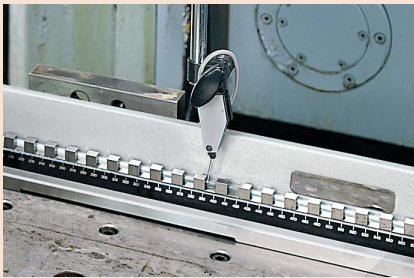
Note 2: Supplied with a wooden storage case as standard.

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-9 for details.

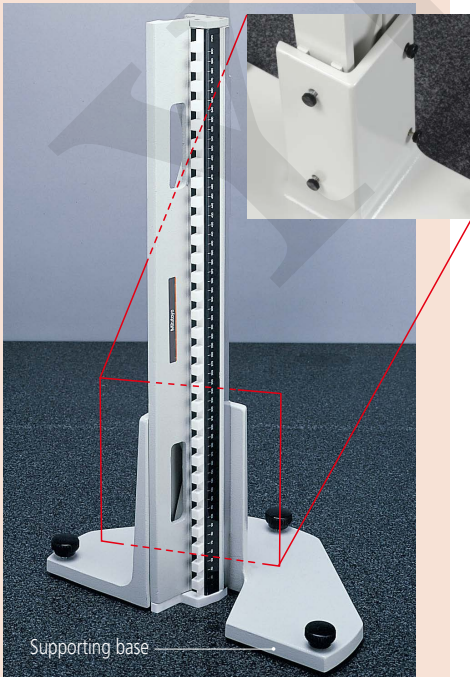


Typical application using in horizontal orientation

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.



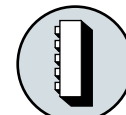
515-743

515-742

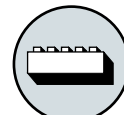
515-740



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	± 1.2 μ m			
	$310 < H \leq 610$ mm	—	± 1.8 μ m		
	$610 < H \leq 1010$ mm	—	—	± 2.5 μ m	
	$1010 < H \leq 1510$ mm	—	—	—	± 4.0 μ m
Parallelism of blocks	$H \leq 450$ mm	1.0 μ m			
	$450 < H \leq 1010$ mm	—	1.5 μ m		
	$1010 < H \leq 1510$ mm	—	—	2.0 μ 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	± 50 μ m			
	$12.5 < H \leq 24.5$ in	—	± 70 μ m		
	$24.5 < H \leq 40.5$ in	—	—	± 100 μ m	
	$40.5 < H \leq 60.5$ in	—	—	—	± 158 μ m
Parallelism of blocks	$H \leq 18.5$ in	40 μ m			
	$18.5 < H \leq 40.5$ in	—	60 μ m		
	$40.5 < H \leq 60.5$ in	—	—	80 μ 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.