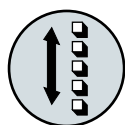


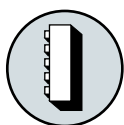
Reference Gages

Universal Height Master SERIES 515 — Usable in Vertical and Horizontal Orientations

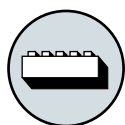
- The Universal Height Master is designed for both vertical and horizontal orientation, providing a wide range of applications such as accuracy checking of machine tool table movements.
- Analog display by the built-in counter – the appearance and specifications are the same as **515-322**. (Refer to page 01-37 for details)



Single-row 10 mm blocks (movable)



Vertical orientation



Horizontal orientation



Riser block

SPECIFICATIONS

| Metric | | 515-520 | 515-523 |
|---------------------------|-------------------|------------------|-----------------|
| Range (H) | Code No. | 5 < H ≤ 610 mm | 5 < H ≤ 1010 mm |
| Graduation (analog scale) | | 0.001 mm | |
| Block step | | 10 mm (straight) | |
| Micrometer adjustment | | 20 mm | |
| Micrometer feed | | 0.5 mm/rev | |
| Block pitch accuracy | H ≤ 310 mm | ±1.5 μm | |
| | 310 < H ≤ 610 mm | ±2.5 μm | |
| | 610 < H ≤ 1010 mm | — | ±3.5 μm |
| Parallelism of blocks | H ≤ 610 mm | 1.5 μm | |
| | 610 < H ≤ 1010 mm | — | 2.0 μm |
| Feed error | | ±1.2 μm | ±1.5 μm |
| Retrace error | | 1.2 μm | 1.5 μm |
| Mass | | 42 kg | 63.5 kg |

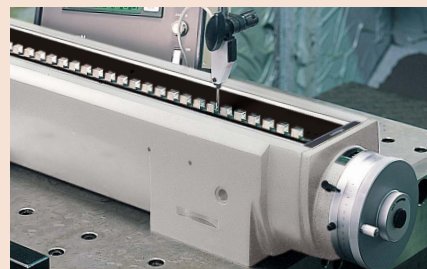
| Inch | | 515-512 | 515-510 | 515-513 |
|---------------------------|-------------------|----------------------|----------------------|----------------------|
| Range (H) | Code No. | 0.2 in < H ≤ 18.2 in | 0.2 in < H ≤ 24.2 in | 0.2 in < H ≤ 40.2 in |
| Graduation (analog scale) | | 0.00001 in | | |
| Block step | | 0.5 in (straight) | | |
| Micrometer adjustment | | 1 in | | |
| Micrometer feed | | 0.025 in/rev | | |
| Block pitch accuracy | H ≤ 12 in | ±50 μin | | |
| | 12 in < H ≤ 24 in | — | ±100 μin | |
| | 24 in < H ≤ 40 in | — | — | ±150 μin |
| Parallelism of blocks | H ≤ 24 in | 60 μin | | |
| | 24 in < H ≤ 40 in | — | 80 μin | |
| Feed error | | ±40 μin | ±60 μin | |
| Retrace error | | 40 μin | 60 μin | |
| Mass | | 42 kg | 63.5 kg | |

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

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



Typical application



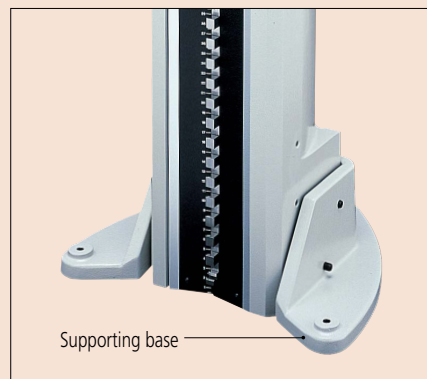
Using in horizontal orientation

Optional Accessories

Supporting base

900574 (Dedicated for the Universal Height Master. Provided for **515-523** and **515-513** as standard.)

- Stable vertical orientation is available.



NPOWER
Powered by
NaviTech

Tài liệu được tổng hợp bởi đội ngũ kỹ thuật của **NPOWER**
Bản quyền nội dung thuộc về **Mitutoyo**

Powered by **NAVITECH** | www.navitech.co

www.npower.com.vn