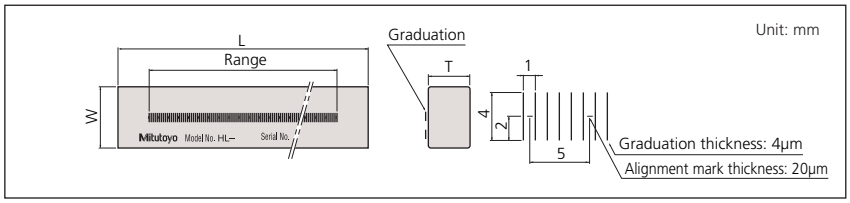
Standard Scales

SERIES 182 — Made of Low Expansion Glass

FEATURES

- High precision glass scales manufactured under Mitutoyo's leading-edge Linear Scale production technology.
- High accuracy is guaranteed to be used as a standard for calibrating graduated scales.

DIMENSIONS



PROPRIETARY INSPECTION CERTIFICATE
Mitutoyo guarantees the product quality.

Technical Data

Accuracy (at 20°C): (0.5+L/1000)µm,
L = Measured length (mm)
Glass material: Low expansion glass
Thermal expansion coefficient: $8x10^{-6}$/K
Graduation: 1mm
Graduation thickness: 4µm
Mass: 0.75kg (250mm), 1.8kg (500mm)

SPECIFICATIONS

Metric

Range	Order No.	L	W	T
250mm	**182-501-50**	280mm	20mm	10mm
250mm	**182-501-60***	280mm	20mm	10mm
500mm	**182-502-50**	530mm	30mm	20mm
500mm	**182-502-60***	530mm	30mm	20mm

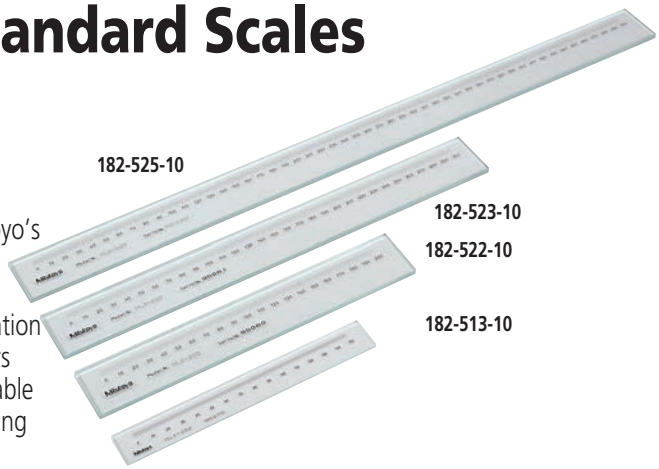
*with English JCSS certificate.

Working Standard Scales

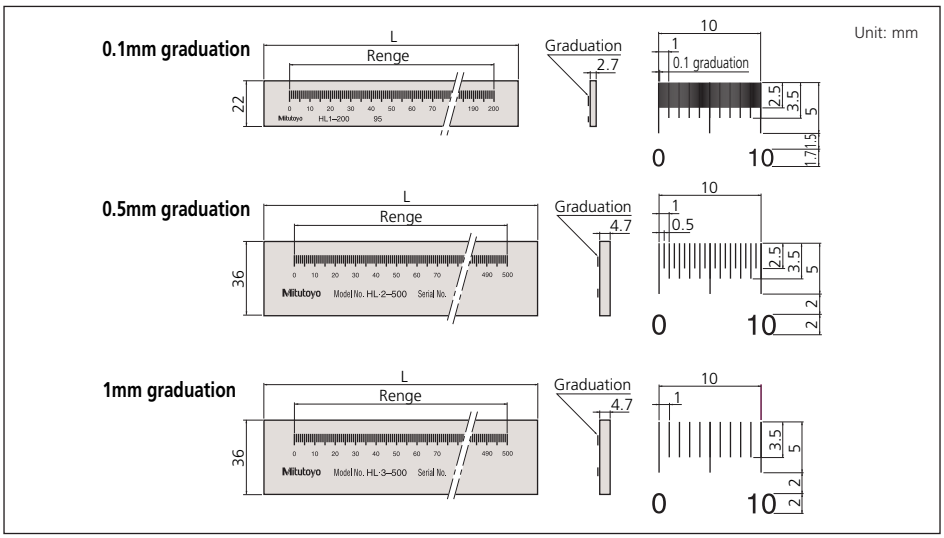
SERIES 182

FEATURES

- High precision glass scales manufactured under Mitutoyo's leading-edge Linear Scale production technology.
- Ideal for checking magnification accuracy of profile projectors and microscopes, and the table feeding accuracy of measuring equipment.



DIMENSIONS



PROPRIETARY INSPECTION CERTIFICATE
Mitutoyo guarantees the product quality.

Technical Data

Accuracy (at 20°C): (1.5+2L/1000)µm,
L = Measured length (mm)
Glass material: Sodium glass
Thermal expansion coefficient: $8.5x10^{-6}$/K
Graduation: 0.1mm (thickness: 20µm)
0.5mm (thickness: 50µm)
1mm (thickness: 100µm)

SPECIFICATIONS

Metric

Range	Order No.	Graduation	L	Mass
50mm	**182-511-10**	0.1mm	75mm	0.23kg
100mm	**182-512-10**	0.1mm	125mm	0.24kg
150mm	**182-513-10**	0.1mm	175mm	0.35kg
200mm	**182-514-10**	0.1mm	225mm	0.36kg
100mm	**182-521-10**	0.5mm	130mm	0.27kg
200mm	**182-522-10**	0.5mm	230mm	0.32kg
300mm	**182-523-10**	0.5mm	330mm	0.57kg
400mm	**182-524-10**	0.5mm	430mm	0.71kg
500mm	**182-525-10**	0.5mm	530mm	0.86kg
250mm	**182-531-10**	1mm	280mm	0.55kg
500mm	**182-532-10**	1mm	530mm	0.86kg
750mm	**182-533-10**	1mm	780mm	1.22kg
1000mm	**182-534-10**	1mm	1030mm	1.54kg