

Reference Gages

Length Standards Brought to You by Mitutoyo

Standard scales SERIES 182 — Made of Low Expansion Glass

- Standard scales can be used as a traceable standard of length for calibrating measuring instruments.
- These scales are manufactured using Mitutoyo's high-definition lithography technology in an underground scale manufacturing facility dedicated to the production of high-accuracy, high-quality line standards. They are considered top-grade length standards.



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

Technical Data

Accuracy (at 20°C): $(0.5+L/1000)\mu\text{m}$,
L = Measured length (mm)
Material: Low expansion glass
Thermal expansion coefficient: $(0.00\pm0.02)\times10^{-6}/\text{K}$
Graduation: 1mm
Graduation line thickness: 4 μm
Mass: 0.75kg (250mm), 1.8kg (500mm)

SPECIFICATIONS

Metric				
Order No.	Range	Length	Width	Thickness
182-501-50	250mm	280mm	20mm	10mm
182-501-60*				
182-502-50	500mm	530mm	30mm	20mm
182-502-60*				

* with English JCSS certificate.

DIMENSIONS

