

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.



Technical Data

- Material: Low expansion glass
- Thermal expansion coefficient: $(0.00 \pm 0.02) \times 10^{-6}/K$
- Graduation line thickness: 4 μm
- Graduation: 1 mm
- Accuracy (at 20 °C): $(0.5 + L/1000) \mu m$,
L=Measured length (mm)

SPECIFICATIONS

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

* With English JCSS certificate.

DIMENSIONS

