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.



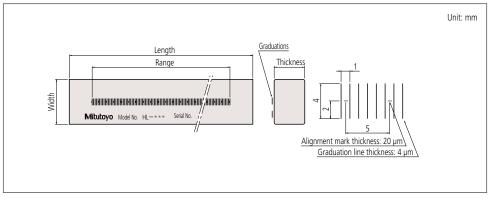
SPECIFICATIONS

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|-------------|------------|-------------|------------|----------------|
| 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



Technical Data

- Material: Low expansion glass
- Thermal expansion coefficient: (0.00±0.02)×10⁻⁶/K
- Graduation line thickness: 4 µm
- Graduation: 1 mm
- Accuracy (at 20 °C): (0.5 + L/1000) µm, L=Measured length (mm)

