CERA Straight Master

Features
• Made from alumina ceramics
• 1.97” (50mm) pitch graduation scales
• Precision lapped measuring surface
• Lightweight

The Cera Straight Master is a master gage used for the inspection of straightness of each axis of a Coordinate Measuring Machine (CMM), machine tools, semiconductor related equipment, and form measurement machines. This lightweight, easy to carry, straightness master is made of alumina ceramics, compared with conventional masters made from stone or iron.
## Technical Data

<table>
<thead>
<tr>
<th>Order No.</th>
<th>311-302-33</th>
<th>311-322-33</th>
<th>311-305-33</th>
<th>311-325-33</th>
<th>311-307-33</th>
<th>311-327-33</th>
<th>311-309-33</th>
<th>311-329-33</th>
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</thead>
<tbody>
<tr>
<td>Range</td>
<td>400mm</td>
<td>16&quot;</td>
<td>700mm</td>
<td>28&quot;</td>
<td>1000mm</td>
<td>40&quot;</td>
<td>1300mm</td>
<td>50&quot;</td>
</tr>
<tr>
<td>Size (WxH)</td>
<td>1.38&quot; x 1.97&quot; (35 x 50mm)</td>
<td>1.78&quot; x 3.15&quot; (45mm x 80mm)</td>
<td></td>
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<tr>
<td>Straightness</td>
<td>0.3µm</td>
<td>12µin</td>
<td>0.5µm</td>
<td>20µin</td>
<td>1µm</td>
<td>40µin</td>
<td>1.5µin</td>
<td>60µin</td>
</tr>
<tr>
<td>Weight</td>
<td>3.96 lb (1.8kg)</td>
<td>6.6 lb (3kg)</td>
<td>17.6 lb (8kg)</td>
<td>22 lb (10kg)</td>
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</tbody>
</table>

### Dimensions

With 1.97"(50) pitch graduation plate

Indication of support points 
(S=0.2232 X total length).

### Standard Accessories

- Saddle support 3 pieces (Ceramics)
- Wooden case
- Carrying handle 4 pieces
  - Thread type (for over 39.37"/1000mm type)
- Chamois
- Glove for inspection
- Inspection certificate
- Calibration certificate
- Warranty card
- User’s manual

Note: All information regarding our products, and in particular the illustrations, drawings, dimensional and performance data contained in this pamphlet, as well as other technical data are to be regarded as approximate average values. We therefore reserve the right to make illustrations of the responding designs, dimensions and weights, The stated standards, similar technical regulations, descriptions and illustrations of the products were valid at the time of printing. In addition, the latest applicable version of our General Trading Conditions will apply. Only quotations submitted by ourselves may be regarded as definite.