## Asker Durometer

**Model EX-A*** Type Shore A  Normal rubber
**Model EX-D*** Type Shore D  Hard rubber and plastics
**Model EX-C*** Type Asker C  Soft rubber and sponge

Super EX durometers feature portability and quick operation with high repeatability. They have heavy-duty metal cases and optional peak indicators.

Super EX models are available in Durometer Types: Shore A Hardness, Shore D Hardness and Asker C Hardness.

Hardness is an essential characteristic of rubber, elastomers and plastic products. Select the optimum type based upon material hardness.

*Add ‘P’ to the model number to specify optional peak indicator, for example EXP-A.

### Hardness Tester Selection

<table>
<thead>
<tr>
<th>Soft</th>
<th>Asker C</th>
<th>Shore A</th>
<th>Shore D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soft rubber</td>
<td>Normal rubber</td>
<td>Hard rubber &amp; plastics</td>
<td></td>
</tr>
</tbody>
</table>

### Indentor Type

- **Asker C**  Hemispherical
- **Shore A**  Flat Point
- **Shore D**  Cone point

### Operation

As the durometer is pressed against the sample, the material resistance force and indenter spring load balance. The depth of the indenter is measured, which provides a measure of the material’s hardness. Values are based upon a 100 point scale (accuracy ±1 point). However, as time elapses the indicator will “creep” back so that a reading taken a few seconds after the durometer makes contact with the sample will be less than the peak reading. Asker durometers offer a peak indicator as an option to more closely monitor the difference between peak and “creep”.

### Accuracy Checker

Durometers can be checked for proper operation using an indenter height gauge to check the height of the indenter point. Available for type A, D and Asker C. Two gauges measure 2, 50 and 100 points. A load tester and weights are available to check the spring load. Not for calibration.

Specifications subject to change without notice.

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For critical applications use the Durometer Constant Load Stand Model CL-150
- Test weight is constant
- Test speed is adjustable with air damper
- Unique flexible joint system automatically aligns to surface of sample

**Automatic Durometers Available**