

Rex® specializes in durometers to fit specific non-standard applications. Rex® can manufacture a durometer to perform hardness determinations on virtually any non-metallic material! Rex® has myriad *custom durometer models and options*.

Rex® features many *special durometer types* that conform to a specified standard, i.e. ASTM, ISO, DIN, JIS, Asker, etc. All special durometers are produced with the same accuracy and precision as our standard product line, and most are available in analog or digital models.




### Special Rex® Durometers: Type CF



The Rex® Type CF is manufactured to meet or exceed current [ASTM F1957](#) specifications and designed to measure the indentation hardness of all generations of foam products: freon blown types, water blown types, composite foams and other types.

While the Type CF is commonly used to check the hardness of restraint devices (lapbars, impact cushions, etc.) found on amusement park rides, it is also especially well suited for automotive door panels, armrests, seating, dashboards, headrests, wound plastic materials (plastic bags), textile windings (bobbins), and even newsprint rolls!

The Rex® Type CF Features:

- Conformance to ASTM F1957;
- Available in analog and digital models;
- Custom made storage case;
- View a larger image of the  [Rex® Type CF](#).

[Please Submit a RFQ](#) (Request for Quotation) for current pricing and availability.

### Special Rex® Durometers: Asker & JIS Types




Rex® offers the Type JA and Type JC. These durometers meet JIS K6253 / K6301, the Japanese Industrial Standards for durometer hardness. The JIS types are becoming less widely used since the ASTM D2240 was standardized in the ISO, but are still popular among Japanese companies with operations in the Americas.

The Type JA is suited for the hardness measurement of a wide range of materials, from harder elastomers to softer plastics. Although the spring force of a “JA” is slightly more than that of of a [ASTM D2240](#) Type A, most test results are very similar.

The Type JC is employed in the measurement of materials with a hardness greater than 70 JA. Incorporating an “JA” style indenter and a 4500 gf spring, it is designed for the hardness measurement of a wide range of materials, from rigid elastomers to harder plastics. Please note that although the spring force of a “JC” is slightly less than that of a ASTM D2240 Type C, most test results are very similar.

The Rex® Asker Type F is designed to test soft cellular materials. The very large diameter presser foot (80 mm Ø) and cylindrical indenter configuration allow measurement by direct application to the test specimen. It is important to note the differences between the JIS Type C and the Asker Type C. [Please Submit a RFI](#) (Request for Information) for the Rex® JIS & Asker Type specifications

The Rex® JIS / Asker Type Features:

- Conformance to JIS and Asker specifications;
- Available in analog and digital models;
- Custom made storage case;
- View a larger image of the  [Rex® Asker and JIS Types](#).

[Please Submit a RFQ](#) (Request for Quotation) for current pricing and availability.


### Custom Rex® Durometers: Model GO



The Rex® Model GO is well suited for determining the durometer hardness of very soft material that return determinations below 20 in the [ASTM D2240](#) Type 000 scale.

Typically, the applications of the Model GO are very soft materials with a gelatinous consistency such as facial masks used in treating sleep apnea. [Please Submit a RFI](#) (Request for Information) for the Rex® Model GO specifications.

The Rex® Model GO Features:

- Available in analog and digital models;
- Custom made storage case;
- View a larger image of the  [Rex® Model GO](#).


[Please Submit a RFQ](#) (Request for Quotation) for current pricing and availability.

### Custom Rex® Durometers: Model RR

The Rex® Model RR is designed for determining the durometer hardness of harder materials such as vacuum formed ceramic fiber, fiberboard, gypsum wallboard, plasters and similar materials.

It is also useful as a *process control* instrument in the manufacture of wallboard, fiberboard and other products. [Please Submit a RFI](#) (Request for Information) for the Rex® Model RR specifications.

The Rex® Model RR Features:

- Available in analog and digital models (digital model shown);
- Custom made storage case;
- View a larger image of the  [Rex® Model RR](#).



[Please Submit a RFQ](#) (Request for Quotation) for current pricing and availability.

### Custom Rex® Durometers: Removable Foot & Barrel Options




The removable foot and lower barrel options are invaluable when testing materials that are uncured, adherent, cohesive and for applications that require the durometer to be repeatedly cleansed or sterilized.

The removable sections of the durometer allow the user to remove debris remains on the gauge after testing. They are commonly employed when determining the hardness of clays, uncured epoxies or sealants, printing rollers, etc.



They are also available in stainless steel (shown above right) which will endure harsh chemicals and rigorous exposure to the autoclaves used in medical and biomedical research.

The Rex® Removable Foot and Removable Barrel options are available for most Rex® durometer models.

- View a larger image of the  [Rex® Removable Foot](#).
- View a larger image of the  [Rex® Removable Barrel](#).

[Please Submit a RFQ](#) (Request for Quotation) for current pricing and availability. It is important to include the Type (scale).


## Custom Rex® Durometers: Right Angle Durometer



The Rex® Right Angle Durometer is well suited for determining the durometer hardness of finished products located in confined spaces, or where access is otherwise restricted, and a typical durometer can not be positioned to perform an effective test.

This durometer is often employed used in determining the hardness of tank or cylinder linings and gaskets located inside pipes, tubes, or tanks.

The Rex® Right Angle Durometer Features:

- Available in analog and digital models;
- Custom made storage case;
- View a larger image of the  [Rex® Right Angle Durometer](#).

[Please Submit a RFQ](#) (Request for Quotation) for current pricing and availability. It is important to include the Type (scale).

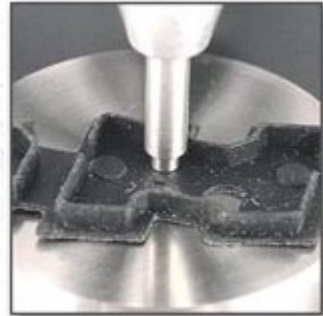
## Custom Rex® Durometers: Slim Probe & Extended Barrel Options



Slim Probe Style A



Extended Barrel



Slim Probe Style B



Slim Probe Style C



Slim Probe Offset Foot

The Rex® *Slim Probe* and *Extended Barrel* options are designed for testing in areas that would be otherwise inaccessible. The slim probe attachments can also be custom designed to suit specific applications. There are 4 standard *Slim Probe* configurations:

- Slim Probe Style A 2.8 x 12.7 mm (.110 x .50 inch) rectangular foot;
- Slim Probe Style B 3.2 mm (0.125 inch Ø) circular foot;
- Slim Probe Style C 2.5 x 12.7 mm (.100 x .50 inch) rectangular foot;
- Slim Probe Offset Foot Style customized rectangular foot;
- The Extended Barrel is available in lengths to suit virtually any application.

[Please Submit a RFQ](#) (Request for Quotation) for current pricing and availability.