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Rex® DUROMETERS

CERTIFIED SPACE TECHNOLOGY

OPERATION MANUAL

for

Model OS-1



Unpacking and Setting up the Rex OS-1 Operating Stand

Your Rex OS-1 operating stand is packaged completely assembled and tested at our plant to ensure a quality product, however there are some basic steps that must be performed before using your OS-1 for the first time.

1. Unpack the OS-1. Take special care to support the stand from the bottom when unpacking, and whenever moving the stand. Be sure to also unpack the specimen holder and weights, which are wrapped separately.

2. After the stand and the specimen holder are unpacked; they can be cleaned with alcohol. The stand should then be placed on a clean, flat surface that will be free from vibrations.

3. Loosen the column lock knob and raise the arm assembly to near the top of the column, then retighten the knob.

4. Unwrap the specimen holder and set it in the hole in the base of the stand.

5. Using the allen wrench, loosen the two screws on the gauge clamp, and carefully place the gauge in the clamp. It is recommended that the clamp be secured on the large diameter section of your Rex durometer called the connector. To prevent damage to the gauge, take care not to over-tighten the screws- only use enough force to secure the gauge.

Testing Procedure

The Rex OS-1 has a floating weight shaft assembly that allows the user to test in various durometer scales. With no additional weight, the stand can also be used to test in the OO and OOO scales. For testing in the A, B, and O scales place only the thin weight onto the weight shaft. For testing in the D, C, and DO scales, place both the thick and the thin weights on to the weight shaft.

IMPORTANT:
REMOVE BOTH WEIGHTS BEFORE ADJUSTING TRAVEL

1. To set the travel, first loosen the column lock knob and raise the arm assembly high enough so that a specimen can be placed under the indentor of the gauge, onto the specimen holder. Then lower the arm assembly until the foot of the gauge is approximately 1/4” above the specimen. At this point, re-tighten the column lock knob.

2. To perform a test, fully depress the lever. The foot of the gauge should be in full contact with the specimen and the weight shaft assembly should have moved upward in the arm assembly. If the travel has been properly set, it will not be possible to obtain different readings by pressing harder on the lever.

Note: Rex Gauge Durometer Models 1500, H-1000, and 2100 are not recommended for use with operating stands.

Weight Combinations

For Testing Durometer Types OO and OOO remove both weights

