

A-A-2278  
June 19, 1985

## COMMERCIAL ITEM DESCRIPTION

### LEVELING DEVICE, LADDER

The General Services Administration has authorized the use of this commercial item description in preference to Federal Specification RR-S-1862, Type II, Classes A, B, or C, Style 7.

This commercial item description covers a ladder leveling device intended to increase the stability of either aluminum, wood, or fiberglass portable ladders placed in the upright or working position on an uneven surface.

#### Salient Characteristics.

Material - Aluminum, brass, or steel.

Adjustment - Manual, 8 inch minimum.

Lock - Automatic

Return - Spring release.

Safety Shoes - Shall be provided.

Mounting Hardware - Shall be provided.

Instructions - Shall be provided.

Shall be adaptable to either aluminum, wood, or fiberglass ladders.

Finish. Except for stainless steel, all exposed steel surfaces shall be either cadmium plated or zinc coated and shall pass a 48-hour salt spray test in accordance with ASTM B 117, edition in effect on date of solicitation to be used.

#### Testing.

Test Unit - The test unit shall consist of either a full size or short section of ladder with the leveling device attached in the normal manner.

Compression Test - Place the test unit in a vertical position and apply a downward load of not less than 970 pounds equally distributed on the ends of the side rails for one minute. At the end of the test period, the test unit shall have withstood the load imposed without damage to the test unit or leveling device.

Bending Test - The test unit, with the leveler legs fully extended, shall be mounted horizontally on two supports with the legs opposite each other and both legs resting on one of the supports. The point of support for the leveler legs shall be 3 inches from the extreme ends of the assembly.

A-A-2278

The point of support for the test unit side rails shall be adjusted for the center line of the leveler brackets to be equidistant from both supports. Where the ladder end of the test unit has a free overhang that is greater in length by one-half the distance between supports, additional supports shall be added to rest the overhang. A downward load of 250 pounds, equally distributed on both side rails, shall then be applied at the center line and maintained for at least one minute. At the end of the test period, the test unit shall have withstood the load imposed without damage to the test unit or leveling device. (See Figure 1).

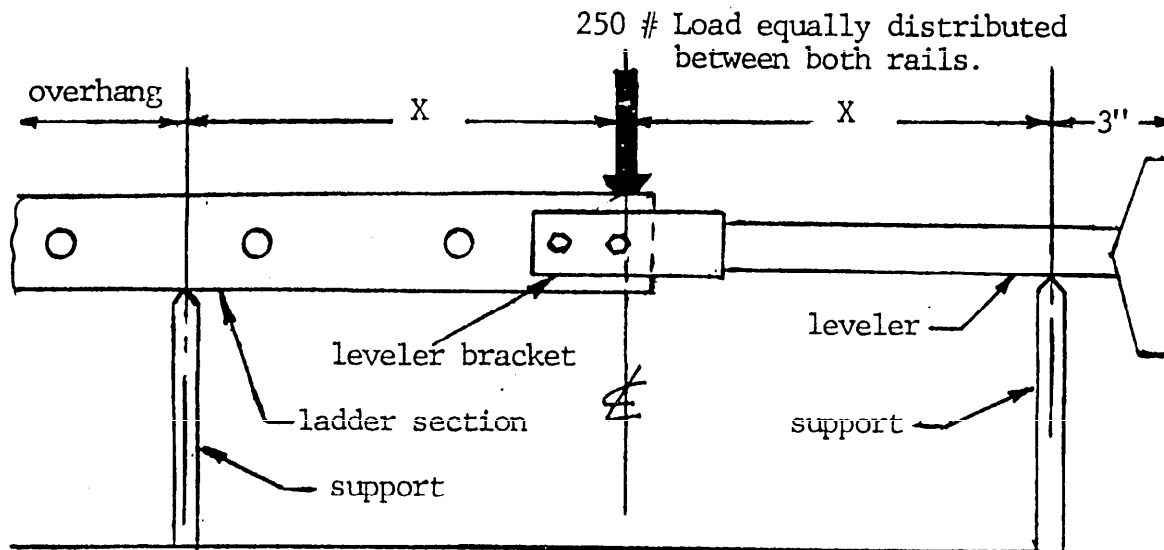


Figure 1

Workmanship. All exposed surfaces shall be free from sharp edges, burrs, and slivers. Welds shall be free from undercuts, cracks, and closely spaced inline surface porosity. All moving parts shall operate without evidence of binding. The device shall be free of any defects which may affect the durability, appearance, or serviceability.

Regulatory requirements. In accordance with Section 23.403 of the Federal Acquisition Regulations, the government's policy is to acquire items composed of the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition without adversely affecting performance requirements or exposing supplier's employees to undue hazards from the recovered materials.

Preservation, packaging, packing, labeling, and marking. The preservation, packaging, packing, labeling, and marking shall be specified in the contract or order.

Note. When this commercial item description is used for procurement the commercial item certification clause must appear in the solicitation.

ASTM standards may be obtained from the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.

No Military Interest

PREPARING ACTIVITY