



# HR1002

## 2 Bar Safety Rail

## Specification Sheet



**HR1002 – 2 Bar Safety Rail** – Is designed specifically for use on rooftop without adhesive, roof penetrations, flashings or damage to roofing system. Modular Safety Rail system designed to be easily installed anywhere safety barriers are needed. Posts connect using hinged designed for versatile layout and easy assembly. Use ballast weight if additional stability is needed.

### Materials

**Support Base:** 17" circular base, injected molded polypropylene, with 227 sq. in. of surface on bottom, designed for weight displacement.

**Base Dimensions:** 3"H X 17" in diameter, designed for weight displacement, with molded insert for square tubing and two threaded rod couplings molded in.

**LEED:** Minimum 40 % post industrial recycled polypropylene with UV inhibitors.

**Frame:** 2" X 2" Angle Iron ASTM 572, grade 50 and 1" X 3/16" bar grating, 19-W-4 carbon steel, ends capped with 1" X 3/16" steel flat bar, welded, hot-dip galvanizing after fabrication.

**Safety rails:** 1-1/2" schedule 40 pipe, welded; Safety rails are connected together using post and pin as a hinged design; all steel ASTM 572, grade 50, hot-dip galvanizing after fabrication.

**Hardware:** 1/2" X 1-1/2" Bolts and 1/2" Nuts available in Hot-Dip Galvanized finish.

**Accessories:** Protection Pads

### **Installation:**

- A. Verify that roof surface is smooth and clean to extent needed to receive materials.
- B. Review approved final drawings to determine the locations of Supports.
- C. Clean surfaces to receive 17" circular bases removing any loose gravel and any foreign matter before setting 17" circular bases.
- D. Accurately locate and align pre-fabricated Safety Rail in locations specified as per approved shop drawings or as required herein. If Isolation pads are required, place under each 17" circular bases.
- E. Should the roofing manufacturer require a separation sheet between the roof and the 17" circular bases, place a separation sheet or protective pad conforming to the existing roof manufacturer's system under each 17" circular bases. Do not adhere to the roof system or to 17" circular bases.
- F. Repeat until all supports supplied are installed in accordance with approved shop drawings.
- G. Place ballast weight on grating if required.
- H. Remove any unused materials and packaging from job site.

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