

# SnowGuardWarehouse.com

Joseph Jenkins, Inc., 143 Forest Lane, Grove City, PA 16127 USA

Ph: 814-786-9085; Toll Free: 866-641-7141; Fax: 814-786-8209 Email: mail@josephjenkins.com

## ***BRONZE GUARD*** **MODEL 500 BRONZE SNOW FENCE BRACKET**

**PRODUCT DESCRIPTION:** THE MODEL 500 SNOW FENCE BRACKET IS CAST FROM SOLID BRONZE FOR LIFETIME DURABILITY. THE CASTINGS HAVE BEEN CAREFULLY ENGINEERED TO ASSURE MAXIMUM STRENGTH AT THE POINTS OF GREATEST STRESS WHEN UNDER LOAD.\* DOUBLE BACK BRACE BRACKETS (SHOWN ON FRONT) ARE STANDARD, AND GIVE REDUNDANT PROTECTION AGAINST CASTING FAILURE. HOLES FOR RAILS ARE 1.125" TO ACCOMMODATE 1.05" (OD) BRASS PIPE. THE BRACKETS ARE AVAILABLE IN THREE ANGLES, 90°, 67.5°, AND 45°.

**USES, APPLICATION:** TYPICALLY INSTALLED ALONG THE PERIMETER OF SLATE ROOFS TO PREVENT THE SUDDEN AND UNEXPECTED SLIDING OF SNOW. WHEN USED IN COMBINATION WITH INDIVIDUAL GUARDS (FIELD ARRAY), IT OFFERS THE GREATEST PROTECTION AGAINST ANY SLIDING OF ACCUMULATED SNOW OR ICE, AND THE SUBSEQUENT DAMAGE.

**MATERIALS:** BRACKET IS SOLID CAST BRONZE. THE CASTINGS ARE SOLID COPPER RIVETED TO THE BASE ASSEMBLY, WHICH IS 1/8" COMMERCIAL BRONZE OR BRASS PLATE, SIZED TO THE SLATE DIMENSION, PREDRILLED AND COUNTERSUNK FOR FASTENERS. BOLTS ARE SOLID BRASS.

**INSTALLATION:** INSTALL SNOW FENCE BRACKET PARALLEL TO THE EAVE, SPACING THE BRACKETS FROM 24" TO NO MORE THAN 48" APART, DEPENDING UPON THE PITCH OF THE ROOF AND THE ANTICIPATED SNOW LOAD. INSTALL BRACKETS APPROXIMATELY 24" TO 36" FROM THE ROOF EDGE. RECOMMENDED INSTALLATION METHOD IS TO USE THROUGH BOLTS, WITH A BACKER PLATE ON THE UNDERSIDE OF THE SHEATHING. THE USE OF BRONZE, BRASS OR STAINLESS STEEL PIPE OR ROD IS RECOMMENDED. COPPER WATER PIPE IS NOT RECOMMENDED.

IN HIGH SNOW LOAD AREAS, AND A RAFTER OF OVER 25', A SECOND ROW OF FENCE IS RECOMMENDED. AS AN ALTERNATIVE, OR IN AREAS WHERE ICE SLIDES ARE POSSIBLE, SUPPLEMENT THE FENCE SYSTEM WITH AN ARRAY OF MODEL #100S OR #200S SNOW GUARDS.

*OUR TECHNICAL SERVICES CAN PROVIDE A SPACING RECOMMENDATION UPON RECEIPT OF A ROOF PLAN, SHOWING RAFTER LENGTHS, AND NECESSARY ELEVATIONS FOR ROOF PITCH.*

Independent testing lab results show that the assembly will withstand almost 4000 lbs. of direct mechanical force applied to the centroid of the brackets. The lab test revealed that the rivets will not pull out or shear, and the brass bolts remained intact. Copy of the test report is available upon request. Bronze castings do not crack due to water or age.

