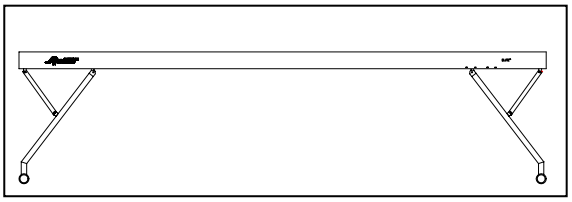
AAI AMERICAN SPECIFICATIONS

DATE: 08-27-99



MODEL NUMBER: 0407430

DESCRIPTION: BB-804-RNA ELITE™ Reflex Non-Adjustable Balance Beam

GENERAL DIMENSIONS: Bases shall be constructed in an inverted T-Shape, with the "T" running perpendicular to the beam. The length of the "T" Base shall be 47 ¼" (1200 mm). Height adjustment shall be from 39-3/8" (1000 mm) to 49 ¼" (1250 mm). All metal, wood, and fabric components shall be fabricated from the finest grades of gymnastic materials available. Finish on the bases shall be a blue metallic power coat. Uprights shall be constructed of 2" (50 mm) x 4" (101 mm) steel tubing of at least 3/16" (4.7 mm) wall thickness. Brace arms shall be constructed of 1-1/2" (38 mm) x 2-1/2" (64 mm) steel tubing of at least 3/16" (4.7 mm) wall thickness. Bases shall be constructed of 3" (76 mm) o.d. steel tubing of at least 7/32" (6 mm) wall thickness. Padded balance beams shall meet specifications as set forth by the Federation Internationale De Gymnastique (FIG).

CONSTRUCTION:

1. Padded Beam: The padded beam shall be constructed with the main body being an aluminum extrusion. Ends shall be closed with 1" (25 mm) thick wooden end caps. The top surface shall be covered with 1/4" (6 mm) thick layer of foam and a 3/16" (5 mm) layer of hard plastic. The entire top, sides, and ends of the beam shall be covered with a durable, porous, non-slip material .10" (2.5 mm) in thickness. The entire bottom shall be enclosed on the ends by 1/4" (6 mm) by 31/2" (89 mm) steel cover plates and in the middle by a plastic extrusion. Each end plate shall have a set of welded ears to form hinged connections with the top portion of each upright. Uprights shall be fastened with 1/2" (13 mm) hex head bolts. The entire bottom of the beam shall be smooth except for the hinged connectors. The complete beam shall be 16'-5" (5000 mm) in length with a 4" (102mm) wide working surface and all dimensions and contours shall meet full FIG specifications.

2. Reflex Mechanism: The height of the beam shall be set at 49 ¼" (1250 mm. The reflex mechanism consists of a linear slide with a urethane spring on the end of the slide. Impact from landing on the beam allows the inner portion of the beam leg to slide forward on the shaft. The spring absorbs the energy from the inner leg and returns the energy to the gymnast. The urethane spring is designed for repeated impacts without losing any of its energy absorbing properties.

3. Bases: The uprights of the padded balance beam shall be "T" shaped and fabricated of 2" (50 mm) x 4" (101 mm) steel tubing of at least 3/16" (4.7 mm) wall thickness. The ends of the base part are covered with replaceable and non-marking rubber footpads. The base will provide a low center of gravity and complete stability under all performing conditions. Brace arms shall be constructed of 1-1/2" (38 mm) x 2-1/2" (64 mm) steel tubing of at least 3/16" (4.7 mm) wall thickness. Bases shall be constructed of 3" (76 mm) o.d. steel tubing of at least 7/32" (6 mm) wall thickness. Finish on the bases shall be navy blue power coat.