



**I Beam Clamp
5" - 9"
Model # 422-053**

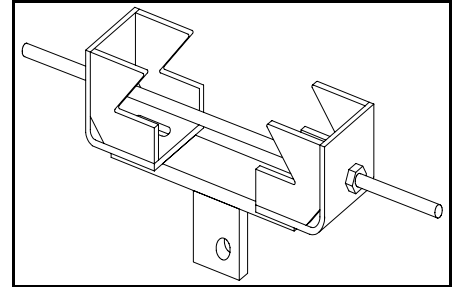
AAI SPECIFICATIONS

DATE: 01/01/06

MODEL NUMBER: 422053

DESCRIPTION: "I" Beam Clamp (5-9")

GENERAL DIMENSIONS: The AAI "I" Beam Clamp is designed for mounting various gymnastics and physical education apparatus to overhead steel "I" Beams. The clamp fits "I" Beams with flange width from 5" to 9" (127mm to 228mm) and a flange thickness up to 3/4" (18mm).



CONSTRUCTION: The "I" Beam clamp consists of two jaw weldments and a bottom plate weldment. The jaw weldments mount the clamp to the beam flange and the bottom plate attaches the side brackets to the apparatus. The clamp attaches to the concrete beam using a 1/2" x 16" (13mm x 406mm) threaded rod and two 1/2" (13mm) nuts.

Jaw weldments: The jaw weldments shall be constructed of two jaws welded to an angle plate. The jaw shall be a 1/4" x 3" (6mm x 76mm) hot rolled steel plate with a triangular portion cut out. The jaws are 3-1/2" (89mm) long and have a 2-1/4" (57mm) engagement length inside the cutout triangle. Each angle plate shall be bent from 1/4" x 3" (6mm x 76mm) hot rolled steel and shall have finished dimensions of 3-1/2" (89mm) along the bottom and 3" (76mm) in height. Two jaws shall be welded to each angle plate. The angle plate shall have a slot in the bottom for adjustment of the bottom plate attachment and a hole through the vertical side for attachment of the threaded rod. Each jaw weldment shall be finished with a baked metallic blue powder coating.

Bottom plate weldment: The bottom plate weldment shall be manufactured from a 10" long bar constructed of 1/2" x 2" (13mm x 51mm) hot-rolled steel with a 2-1/2" x 2-1/2" x 1/2" (63mm x 63mm x 13mm) steel angle welded at the center of one side of the plate. An 11/16" (17mm) hole shall be drilled through each side of the steel angle to allow mounting of apparatus either parallel or perpendicular to the beam. Two sets of holes shall be drilled on the ends of the plate for attachment to the jaw weldments. The bottom plate weldment shall attach to the jaw weldments using two 1/2" x 1-1/2" (13mm x 38mm) carriage bolts and two 1/2" (13mm) hex stover nuts. The bottom plate weldment is finished with a baked metallic blue powder coat.

SHIPPING INFORMATION:

1 package - 11 lb. (5kg), 5" x 9" x 15" (127mm x 3226mm x 381mm), 0.39 CF