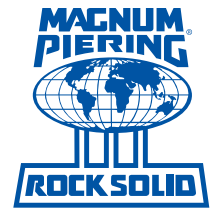


# Magnum Piering® MHLS1005 Boardwalk H-Bracing System

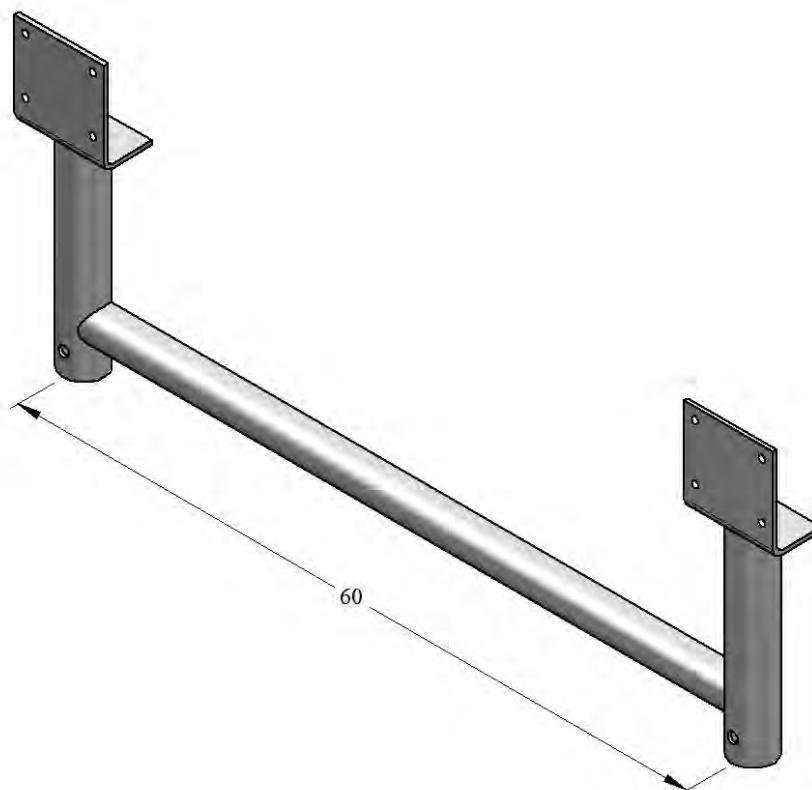
Allowable Lateral Capacity 2 Tons\*

3" Diameter Cross Tube with 3.5" I.D. Collars and Angle Bracket Connections



## Description

The Magnum MHLS1005 Boardwalk H-Bracing System consists of a 3.0" O.D. cross tube with 3.5" I.D. collar tubes for connection to Magnum MH3521 helical pile shafts and steel angle brackets for connection to a dimension lumber, engineered wood, or rough timber cross beam. The H-brace system can accommodate 6 ft and 8 ft wide boardwalks with clear heights above ground from 24" to 48". H-Braces can be used for boardwalks above this height, but Magnum generally recommends adding Magnum helical anchors as tie-backs at a 45 deg angle at 16 to 24 ft on center along the length of the boardwalk for improved lateral performance. Custom H-brace sizes are available for narrower or wider boardwalks. H-braces provide lateral resistance and sideways stabilization. Each plate steel bracket is fastened to wooden cross beam with (4) ½" lag bolts. Collar tubes are fastened to helical pile shaft using (1) 1" diameter through bolt on each side. The entire assembly can be hot-dip galvanized for increased corrosion resistance.



## Installation Note:

Layout and install MH3521 helical pile foundations for boardwalk bents. Cut-off helical pile shafts at required elevation. Drill holes in pile shaft to facilitate attachment to H-brace. Mount H-brace to tops of piles and secure with through bolts. Place wood cross beam and attach with lag bolts.

\*Lateral capacity is based on maximum structural resistance. Lateral capacity of brace/pile system depends on ground conditions and should be determined by a design professional for the specific job site and subsurface conditions. Contact Magnum technical support for design assistance..

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U.S. Patents 6,058,662 and 5,234,287; Other Patents Pending.

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