



Approval #

BP-042300003-BVP  
(Replaces DIS-022306153)

Industry Services Division  
4822 Madison Yards Way  
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## Wisconsin Building Product Evaluation

Material

HP288 and HP350 Helical Foundation Systems

Manufacturer

Supportworks, Inc.  
11850 Valley Ridge Drive  
Papillion, NE 68046

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### **SCOPE OF EVALUATION**

This report evaluates the use of two models of helical piles for foundation support, designed, and manufactured by Supportworks, Inc. (Supportworks) used to provide lift to stabilize foundations of settling existing structures or to form deep foundations for new structures. The systems are an alternative to driven piles described in IBC 1810.3.1.4.

### **DESCRIPTION AND USE**

Supportworks Models HP288 and HP350 helical pile systems are used to underpin foundations of existing structures or to form deep foundations for new structures and are designed to transfer axial compression and axial tension loads from the supported structure to suitable load bearing stratum. Supportworks helical piles are used to support both residential and commercial structures.

HP288 and HP350 helical piles consists of a central lead shaft with one or more helical-shaped steel bearing plates, extension shafts, shaft couplings that connect multiple shaft sections, and a bracket that allows for attachment to the supported structure. The shaft sections are advanced into the ground by application of torque and the shaft is advanced until a desired depth, required torque and/or suitable soil bearing stratum is reached.

The HP288 and HP350 helical pile systems are described in detail along with their product use, installation steps, and capacities in ICC-ES Evaluation Report ESR-3074. A copy of that report can be found at: <https://icc-es.org/report-listing/esr-3074/>.

## **TESTS AND RESULTS**

Approval under the ICC-ES Evaluation Report ESR-3074 was originally issued July 2013 and evaluated the products for use to support foundations. The structural performance and properties of the helical pile systems comply with the intent and provisions of the International Building Code (2006, 2009, 2012, 2015, 2018, 2021) and International Residential Code (2006, 2009, 2012, 2015, 2018, 2021).

Link to Supportworks' website for technical information & installs of this product is found at: [www.onstableground.com](http://www.onstableground.com)

## **LIMITATIONS OF APPROVAL**

Supportworks HP288 and HP350 helical pile systems are subject to all limitations listed in section 5.0 Conditions of Use in ICC Evaluation Report ESR-3074 (link above).

All products must be used and installed per the manufacturer's installation instructions for the specific products. This evaluation is not a warranty or endorsement of these products as being safer or having met higher testing standards than similar products.

## **DISCLAIMER**

This approval will be valid through 12/31/2028 unless manufacturing modifications are made to the product, or a re-examination is deemed necessary by the department. The Wisconsin Building Product Evaluation Number must be provided when plans that include this product are submitted for review. This approval addresses only the specified applications for the product and does not waive any code requirement not specified in this document.

Reviewed by: Jack A. Miller

Peer Review: JLH

Approval Date: 12/12/2023 By: Jack A. Miller

Commercial building plan examiner and product reviewer