

Steel H-Pile Driving Points

Supplier	Brand
Associated Pile and Fitting Corp. Clifton, NJ	Hard Bite HP-77600-B Hard Bite HP-77750-B Hard Bite HP-7780-B PAR-T Series
Construction Supply Company Tualatin, OR	HT3300 Series (10, 12, 14, 16, 18)
Dougherty Foundation Products Franklin Lakes, NJ	Tuftpip H-776 Tuftpip H-777
Mid-America Foundation Supply, Inc. Fort Wayne, IN	ICE Rock-Bite HPH 10-RB ICE Rock-Bite HPH 12-RB ICE Rock-Bite HPH 14-RB
Versa-Steel Inc. Portland, OR	VS- 300 Series

Method of Documentation of Acceptance:

By brand and source.

Method of Approval:

Detailed design drawings, material specifications, test data, product literature and installation procedures must be submitted for approval. Pile points must meet the requirements of ASTM A 27, Grade 65-35 or ASTM A 148, Grade 80-40.

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Random samples may be taken by the Department for evaluation. Any deviation in performance from the original sample may be sufficient reason to discontinue acceptance of the material from the manufacturer, determination of which shall be by the Materials Engineer.

The following will also apply for products containing iron or steel:

All iron and steel material used on Department projects must be in compliance with the "Buy America" requirements and the Department's "Standard Specifications for Highway Construction", Subsection 106.01. This means all manufacturing processes of iron and steel in a product (i.e., smelting/remelting and any subsequent process which alters the steel material's physical form or shape or changes its chemical composition) must occur within the United States to be considered of domestic origin. This includes processes such as rolling, extruding, machining, bending, grinding, drilling and applying coatings. The use of pig iron or processed, pelletized and reduced iron ore manufactured outside of the United States is permitted in the domestic manufacturing process for steel and/or iron materials. All steel and iron mill test reports must include a certified statement that all manufacturing processes for the iron or steel product occurred in the United States. Each supplier/fabricator of an intermediate product will also certify that the product complies with the "Buy America" requirements.

The following information concerning proper identification of steel piling is provided for use in inspection of steel piling delivered to a project:

H-Piles

- AASHTO M 270 – “Material identification shall include the composition type for Grade 50W in addition to that required by AASHTO M 160 (ASTM A 6). “
- AASHTO M 160 (ASTM A 6) - “Shapes shall be marked with the heat number, size of section, length, and mill identification on each piece. The manufacturer’s name, brand, or trademark shall be shown in raised letters at intervals along the length. In addition, shapes shall be identified with the ASTM designation and grade, either by marking each piece individually or, if bundled.....” (H-piles would not be bundled)
- Color coding is required for AASHTO M 270, Grade 50 (ASTM A 572, Grade 50) – green and yellow

Stenciling, stamping (steel die stencils), or substantial tags, applied by the manufacturer are acceptable forms of identification marks. Any paint, chalk, or crayon marks applied by hand are not acceptable for primary identification, but are considered supplementary. H-piles also require the manufacturer’s name, brand, or trademark be shown in raised letters.

Steel Shell Piles

- ASTM A 252 - Product Marking: “Each length of pipe piles shall be legibly marked

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by stenciling, stamping, or rolling to show: the name or brand of the manufacturer; the heat number; the process of manufacture (seamless, flash welded, fusion welded, or electric resistance welded); the type of helical seam (helical-lap or helical-butt), if applicable; the outside diameter, nominal wall thickness, length, and weight per unit length; the specification designation; and the grade.”

Stencils, stamps, or rolling of identification marks by the shell pile manufacturer are the only acceptable forms of identification. Any marking by hand such as chalk, paint, or crayon, is considered supplementary.

Piling for which the manufacturer’s marking is illegible, improper, or incomplete should be rejected and not used on the project.

No information contained in these lists is to be used for promotional purposes.

The manufacturer of privately labeled products must be disclosed.