



PROCESS
INDUSTRY
PRACTICES

COMPLETE REVISION
January 2017

Structural

**PIP STS02360
Driven Piles Specification**

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PURPOSE AND USE OF PROCESS INDUSTRY PRACTICES

In an effort to minimize the cost of process industry facilities, this Practice has been prepared from the technical requirements in the existing standards of major industrial users, contractors, or standards organizations. By harmonizing these technical requirements into a single set of Practices, administrative, application, and engineering costs to both the purchaser and the manufacturer should be reduced. While this Practice is expected to incorporate the majority of requirements of most users, individual applications may involve requirements that will be appended to and take precedence over this Practice. Determination concerning fitness for purpose and particular matters or application of the Practice to particular project or engineering situations should not be made solely on information contained in these materials. The use of trade names from time to time should not be viewed as an expression of preference but rather recognized as normal usage in the trade. Other brands having the same specifications are equally correct and may be substituted for those named. All Practices or guidelines are intended to be consistent with applicable laws and regulations including OSHA requirements. To the extent these Practices or guidelines should conflict with OSHA or other applicable laws or regulations, such laws or regulations must be followed. Consult an appropriate professional before applying or acting on any material contained in or suggested by the Practice.

This Practice is subject to revision at any time.

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Data Sheet

PIP STS02360-U – Pile and Driving
Equipment Data Sheet (U.S. Customary Units)
PIP STS02360-DM – Pile and Driving
Equipment Data Sheet (SI Units)

1. Scope

This Practice describes the requirements for supplying, transporting, handling, installing, and testing driven load-bearing piles. Pile types covered in this Practice are as follows:

- a. Steel pipe piles
- b. Concrete-filled thin shell piles
- c. Steel H-piles
- d. Step taper piles
- e. Prestressed/precast concrete piles
- f. Timber piles

2. References

Applicable parts of the following Practices, industry codes and standards, and government regulations shall be considered an integral part of this Practice. The edition in effect on the date of contract award shall be used, except as otherwise noted. Short titles are used herein where appropriate.

2.1 Process Industry Practices (PIP)

- PIP STS03001 - *Plain and Reinforced Concrete Specification*
- PIP STS02360-D - *Pile and Driving Equipment Data Sheet (U.S. Customary Units)*
- PIP STS02360-DM - *Pile and Driving Equipment Data Sheet (SI Units)*

2.2 Industry Codes and Standards

- American Concrete Institute (ACI)
 - ACI 222R - *Protection of Metals in Concrete Against Corrosion*
 - ACI 543R - *Guide to Design, Manufacture, and Installation of Concrete Piles*
- ASTM International (ASTM)
 - ASTM A6/A6M - *Standard Specification for General Requirements for Rolled Structural Steel Bars, Plates, Shapes, and Sheet Piling*
 - ASTM A36/A36M - *Standard Specification for Carbon Structural Steel*
 - ASTM A53/A53M - *Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless*
 - ASTM A252 - *Standard Specification for Welded and Seamless Steel Pipe Piles*
 - ASTM A572/A572M - *Standard Specification for High-Strength, Low-Alloy Columbium-Vanadium Structural Steel*
 - ASTM A615/A615M - *Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement*
 - ASTM D25 - *Standard Specification for Round Timber Piles*