

GP 04-02-02	Pipe Supports	July 2001
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Pipe Supports

GP 04-02-02

Scope

[I] This Global Practice (GP) covers the design of structural supports for piping. It does not cover dummy pipe supports or other structural members that are integrally connected to piping.

[I] An asterisk (*) indicates that additional information from the Owner, or approval by the Owner is required.

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1. Required References

This Section lists Practices and Standards that are referenced and assumed to be a part of this document. Unless otherwise specified herein, use the latest edition.

1.1. ACI–American Concrete Institute

ACI 318/318R	Building Code Requirements for Structural Concrete and Commentary
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1.2. AISC–American Institute of Steel Construction

AISC S335	Specification for Structural Steel Buildings Allowable Stress Design and Plastic Design with Commentary
AISC S342L	Load and Resistance Factor Design Specification for Structural Steel Buildings

* [I] Local codes and standards may be substituted for the ones referenced herein provided the following provisions are met.

- 1) The resultant design meets the safety and serviceability criteria attained through this practice.
- 2) Substitution is accepted by the authorities where the facility is to be located and by the Owner's Engineer.

2. Definitions

* [I] Abnormal conditions, as related to requirements for piping anchor design, refer to conditions encountered in pipe lines during:

- 1) A loss of cooling medium flow.
- 2) Cessation of process flow while line heating facilities remain operative.
- 3) Anticipatable startup and shutdown, including steam out and process upsets, causing temperature fluctuations.

3. Materials

[R] Pipe supports shall be constructed of steel structural shapes, steel pipe, or concrete.

