

API Specification

2H

Ninth Edition, July 2006

Specification for Carbon Manganese Steel Plate for
Offshore Structures

Purchasing Guidelines

Appendix B

API Monogram[®] Required

☐ Yes ☐ No

APPENDIX B—SUGGESTIONS FOR ORDERING API 2H STEEL PLATE

In placing orders for steel plate to be manufactured in accordance with API Spec 2H, the purchaser should specify the following on the purchase order:

Specification:	API Spec 2H
Quantity/Size:	As required
Grade:	42 or 50
Retreatment (see 4.2):	State whether retreatment per 4.2 is permitted
Chemical Requirements (see Table 4-1, Footnotes b & d):	State whether use of titanium, and/or vanadium, zirconium is permitted and, if permitted, state limits
Mill Inspection by Purchaser:	State advance notice requirements
Delivery Date and Shipping Instructions:	As required
Supplementary Requirements:	As required

The purchaser should state on the purchase order the requirements concerning the following Supplementary Requirements, which are optional with the purchaser.

S1	Ultrasonic Examination	<input type="checkbox"/>
S2	Notch Toughness at Lower Temperatures	<input type="checkbox"/>
S2.1	Notch Toughness at -76°F (-60°C)	<input type="checkbox"/>
S2.2	Notch Toughness at Other than -40°F (-40°C) or -76°F (-60°C)	<input type="checkbox"/>
S2.3	Higher Notch Toughness Energy Values	<input type="checkbox"/>
S3	Individual Plate Testing	<input type="checkbox"/>
S4	Through-Thickness (Z-Direction) Testing	<input type="checkbox"/>
S5	Low Sulfur Steel for Improved Through-Thickness Properties	<input type="checkbox"/>
S7	Low Nitrogen Content for Improved Notch Toughness in Strain-Aged Condition	<input type="checkbox"/>
S8	Strain-Aged Charpy V-Notch Impact Tests	<input type="checkbox"/>
S9	Simulated Post-Weld Heat Treatment	<input type="checkbox"/>
S12	Notch Toughness Using Drop Weight	<input type="checkbox"/>
S13	Surface Quality	<input type="checkbox"/>
S14	Thickness Tolerance	<input type="checkbox"/>

Section 1 of this specification addresses the purpose/function of several of the supplementary requirements.