

API Specification

2Y

Suggestions for Ordering API Spec 2Y Steel Plate

Fifth Edition, December 2006
Steel Plates, Quenched-and-Tempered, for
Offshore Structures

API Monogram[®] Required ☐ Yes ☐ No

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

Specification	API Spec 2Y
Quantity/Size	As Required
Grade	42, 50, 50T, or 60
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.

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

S1	Ultrasonic Examination	☐
S2	Notch Toughness at Lower Temperatures	☐
S2.1	Notch Toughness at –60 °C	☐
S2.2	Notch Toughness at Other Than –40 °C or –60 °C	☐
S2.3	Higher Notch Toughness Energy Values	☐
S3	Additional Tension Test	☐
S4	Through-thickness (Z-direction) Testing	☐
S5	Low Sulfur Steel for Improved Through-thickness Properties	☐
S7	Low Nitrogen Content for Improved Notch Toughness in Strain-aged Condition	☐
S8	Strain-aged Charpy V-Notch Impact Test	☐
S9	Simulated Post-weld Heat Treatment	☐
S10	Hardness Testing	☐

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S11	Preproduction Qualification	☐
S11.3	CTOD Testing of Weld Heat Affected Zone	☐
S11.4	Weldability (Hydrogen Cracking) Tests at:	☐
	- CP (Conventional Preheat) Level of Performance	☐
	- MP (Modified Preheat) Level of Performance	☐
S12	Notch Toughness Using Drop Weight	☐
S13	Surface Quality	☐
S14	Thickness Tolerance	☐

NOTE Nothing in this specification should be interpreted as indicating a preference by the committee for any material or process. In the selection of materials and processes, the purchaser must be guided by the experience and by the service for which the plate is intended.