

API-2H & API-2Y

SPECIFICATION	API 2H GRADE 50	API 2Y GRADE 60 Q & T
Type of Steel	Carbon	Carbon
Requirements for Delivery	A6, A20	A6, A20
Tensile Strength (ksi)	70/90	75
Yield Strength (min. ksi) (Yield Point if designated YP)	50 to 2 1/2" incl.; 47 over 2 1/2"	t≤1 in. 60-90 ▷ 60-85
Spec. Thickness (Max. in.)	-	-
Chemical Composition (%)		
Carbon (Max.)	.18	.16
Manganese	1.15/1.60	1.15/1.60
Phosphorus (Max.)	.03	.03
Sulfur (Max.)	.006	.010
Silicon	.15/.40	.05/.50
Nickel (Max.)	*	1.0
Chromium (Max.)	*	.25
Molybdenum (Max.)	*	.15
Copper (Max.)	*	.35
Other Elements	Al.02/.05	*
Heat Treatment Required	N	Q & T

ADDITIONAL CERTIFICATION TO: ABS Grade DH36 and EH36 (ABS Certified)

REMARKS:

F/G/P carbon Equivalent: .43 Max. (.45 Max. over 2 1/2" or 2" in Grade 50) See specification for formula. Optional through-thickness testing, 3/4" and over.

THESE SUPPLEMENTAL REQUIREMENTS ARE AVAILABLE AND ARE A NORMAL PART OF OUR STOCK PLATES (API-2H-50)

- S.1 - Ultrasonic examination per A578 level 2 100% Scan
- S.3 - Individual Plate Testing. In Accordance with ASTM A20
- S.4 - Z Tensile - Thru Thickness Testing (3/4" & Thicker)
- S.5 - Low Sulphur/Sulphide Shape Control (0.006 S. Max.)
- S.12 - Notch Toughness using Drop Weight

Also Stocking:

A-36/ABS GRADE A
ABS GRADE AH-36, DH-36, EH-40
API-2W GRADE 50/60

CSA G40.21 GRADE 50 WT CATEGORY 5, CATEGORY 3

SERVING OFFSHORE AND RELATED INDUSTRIES

