

HUNAN BALING STEEL CO.,LTD

Add:NO.18 YIJIA GROUP,MULI MANAGEMNET OFFICE ECONOMIC DEVELOPMENT ZONE,
YUEYANG,HUNAN PROVINCE,P.R.CHINA.

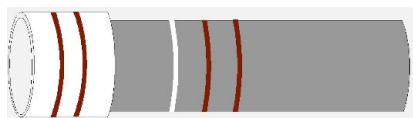
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Datasheet for C110 Casing Pipe

C110



What Is C110 Casing Pipe?

C110 is a high-strength, controlled-yield sour-service casing grade defined under API 5CT, with a controlled yield strength of 110,000–120,000 psi and a minimum tensile strength of 115,000 psi. API 5CT C110 casing pipe is typically used in deep sour condensate, sour gas, and sour oil wells where higher strength and reliable H₂S resistance are required. Compared with conventional high-strength grades, C110 steel casing pipe offers a better balance of strength, hardness control, toughness, and sulfide stress cracking resistance for demanding downhole environments. As a reliable C110 casing pipe, it is suitable for intermediate and production casing strings in high-pressure sour-service wells; final application should be verified according to NACE MR0175 / ISO 15156 service conditions, since C110 is not suitable for all H₂S environments.

- Applicable Product: Casing Pipe 4½"–16"
- Thread Types: BTC / LTC / STC / Premium Connections.
- Available Lengths: R1 / R2 / R3.
- Service Environment: Sour Service (H₂S), SSC-tested per NACE TM0177, NACE MR0175 / ISO 15156.

Chemical Composition

Element	Chemical Composition, Mass Fraction %
C	≤ 0.35
Mn	≤ 1.20
Mo	0.25–1.00
Cr	0.40–1.50
Ni	≤ 0.99
P	≤ 0.020
S	≤ 0.005

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Element	Chemical Composition, Mass Fraction %
Si	—
Cu	—

Mechanical Properties

Property	Requirement
Yield Strength	758–828 MPa / 110–120 ksi
Tensile Strength, min.	793 MPa / 115 ksi
Total Elongation Under Load	0.007
Hardness, max.	30 HRC / 286 HBW