

HUNAN BALING STEEL CO.,LTD

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

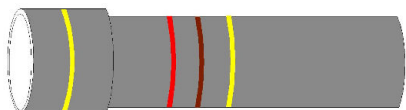
Tel: +86 18216341633

E-mail Address: Lincoln@balingsteel.com Website:www.baling-steel.com



Datasheet for API 5CT L80 13Cr Tubing

L80 13Cr



L80 13Cr is a martensitic stainless steel grade defined under API 5CT, with a controlled yield strength of 80,000–95,000 psi and a minimum tensile strength of 95,000 psi. L80 13Cr was specifically developed for corrosive downhole environments, offering superior resistance to CO₂ corrosion compared to conventional carbon steel grades, making L80 13Cr tubing the preferred choice for sour and CO₂-rich oil and gas wells worldwide.

- Applicable Product: Casing & Tubing 2³/₈"–9⁵/₈".
- Thread Types: Premium Connections.
- Available Lengths: R1 / R2 / R3.
- Service Environment: CO₂-bearing and mild H₂S (sour) wells; not for high-alloy sour service.

Chemical Composition

Element	Requirement
C	0.150–0.220
Mn	0.250–1.000
Cr	12.000–14.000
Ni	≤ 0.500
Cu	≤ 0.250
P	≤ 0.020
S	≤ 0.010
Si	≤ 1.000
Mo	Not specified
Ti / V / Al	Not specified

HUNAN BALING STEEL CO.,LTD

Add:NO.18 YIJIA GROUP,MULI MANAGEMNET OFFICE ECONOMIC DEVELOPMENT ZONE,

YUEYANG,HUNAN PROVINCE,P.R.CHINA.

Tel: +86 18216341633

E-mail Address: Lincoln@balingsteel.com Website:www.baling-steel.com

**Mechanical Properties**

Property	Requirement
Yield Strength	552–655 MPa
Yield Strength	80,000–95,000 psi
Tensile Strength	≥ 655 MPa
Tensile Strength	≥ 95,000 psi
Total Elongation Under Load	≥ 0.5 %
Hardness	≤ 23 HRC
Hardness	≤ 241 HBW