

## HUNAN BALING STEEL CO.,LTD

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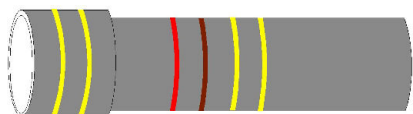
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### Datasheet for API 5CT L80 9Cr Casing Pipe



## L80 9Cr



L80 9Cr is a chromium-alloy grade defined in API 5CT, containing approximately 9% chromium for enhanced corrosion resistance. It is designed for mildly to moderately corrosive well environments where CO<sub>2</sub> and low-concentration H<sub>2</sub>S are present. L80 9Cr must be heat-treated (quenched and tempered) and meets strict hardness requirements, making it suitable for sour service applications under NACE MR0175/ISO 15156.

- Applicable Product: Casing & Tubing 2-3/8"–20".
- Thread Types: BC, STC / LTC, **Premium Connections**.
- Available Lengths: R1 / R2 / R3.
- Heat Treatment: Quench & Temper (Q&T) required per API 5CT.
- Service Environment: CO<sub>2</sub>-bearing and mild H<sub>2</sub>S (sour) wells; not for high-alloy sour service.

## Chemical Composition

Grade	Chemical Composition %								
	C	Si	Mn	P	S	Cr	Mo	Ni	Cu
L80 9Cr	≤0.1 5	≤1.0 0	0.30– 0.60	≤0.02 0	≤0.01 0	8.00– 10.00	0.90– 1.10	≤0.5 0	≤0.2 5

## Mechanical Properties

Grade	Yield Strength MPa		Tensile Strength MPa		Elongation %	Hardness max	
	min	max	min		min	HRC	HBW
L80 9Cr	552	655	655		≥19%	23	241