

Tubing  
& Casing

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Lomisa

# TUBING & CASING

## Tubing & Casing

Products: API SPEC 5CT Seamless Steel Tubes

Applications: It is widely used for oil casing and tubing in oil wells.

Grades: J55, N80, L80, P110, etc.

Specifications	Range
Out Diameter	1.315" - 20"
Wall Thickness	0.133" - 0.500"
Length	3.0m - 18m

### DIMENSION TOLERANCE

Types of steel tubes	Outer Diameter		Wall Thickness
	Tube sizes (mm)	Tolerances(mm)	Tolerances (mm)
Cold-rolled tubes	< 114.3	± 0.79	-12.5 %
	≥ 114.3	- 0.5 %, +1 %	

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### CHEMICAL COMPOSITION

Standard	Grade	Chemical compositions (%)									
API SPEC 5CT	J55	C	Si	Mn	P	S	Cr	Ni	Cu	Mo	V
	K55	0.34 ~ 0.39	0.20 ~ 0.35	1.25 ~ 1.50	≤ 0.020	≤ 0.015	≤ 0.15	≤ 0.20	≤ 0.20	/	/
	N80	0.34 ~ 0.38	0.20 ~ 0.35	1.45 ~ 1.70	≤ 0.020	≤ 0.015	≤ 0.15	/	/	/	0.11 ~ 0.16
	L80	0.15 ~ 0.22	≤ 1.00	0.25 ~ 1.00	≤ 0.020	≤ 0.010	12.0 ~ 14.0	≤ 0.20	≤ 0.20	/	/
	P110	0.26 ~ 0.395	0.17 ~ 0.37	0.40 ~ 0.70	≤ 0.020	≤ 0.010	0.80 ~ 1.10	≤ 0.20	≤ 0.20	0.15 ~ 0.25	≤ 0.08

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### MECHANICAL PROPERTIES

Grade	Type	Total elongation under load (%)	Yield strenght (min)	Yield strenght (max)	Tensil strenght min Mpa	Hardness Max (HRC)	Hardness Max (HBW)
J55	-	0.5	379	552	517	-	-
K55	-	0.5	379	552	655	-	-
N80	1	0.5	552	758	689	-	-
N80	Q	0.5	552	758	689	-	-
L80	1	0.5	552	655	655	23	241
L80	9Cr	0.5	552	655	655	23	241
L80	13Cr	0.5	552	655	655	23	241
C90	-	0.5	621	724	689	25.4	255
C95	-	0.5	655	758	724	-	-
T95	-	0.5	655	758	724	25.4	255
P110	-	0.6	758	965	862	-	-
Q125	All	0.65	862	1034	931	-	-