

OD(mm)	Wall Thickness Unit(mm)				
	10.5-12	12.5-17	18-20	21-25	26-30
/					
Φ127	•	•	•	•	•
Φ133	•	•	•	•	•
Φ140	•	•	•	•	•
Φ146	•	•	•	•	•
Φ152	•	•	•	•	•
Φ159	•	•	•	•	•
Φ168	•	•	•	•	•
Φ180	•	•	•	•	•

Grade and Chemical Composition

Grade	C≤	Mn	P≤	S≤	Si≥	Cr≤	Cu≤	Mo≤	Ni≤	V≤
A	0.25	0.27-0.93	0.035	0.035	0.1	0.4	0.4	0.15	0.4	0.08
B	0.3	0.29-1.06	0.035	0.035	0.1	0.4	0.4	0.15	0.4	0.08
C	0.35	0.29-1.06	0.035	0.035	0.1	0.4	0.4	0.15	0.4	0.08

Mechanical Properties:

Grade	Rm Mpa Tensile Strength	Mpa	Elongation	Delivery Condition
		Yield Point		
A	≥330	≥205	20	Annealed
B	≥415	≥240	20	Annealed
C	≥485	≥275	20	Annealed

Dimension Tolerances:

Pipe Type	Pipe Sizes		Tolerances
Cold Drawn	OD	≤48.3mm	±0.40mm
		≥60.3mm	±1%mm
	WT		±12.5%