

Technical Specifications of Steel Billets



Chemical Composition

Steel Grade	C %		Si %		Mn %		P %	S %	Cr %	Ni %	Cu %
	MIN	MAX	MIN	MAX	MIN	MAX	MAX	MAX	MAX	MAX	MAX
ST 3SP	0.14	0.22	0.15	0.3	0.4	0.65	0.04	0.05	0.3	0.3	0.3
ST 5SP	0.28	0.37	0.15	0.3	0.5	0.8	0.04	0.05	0.3	0.3	0.3

Dimensions & Mass

Dimensions mm	Limit Deviation along square side (mm)	Diagonal Difference (mm)	Mass of one Running Meter (kg)	Billet Length (m)	Cutting Angle Max (mm)	Billet straightness Tolerance max (% of length)	Billet Twist Max
150 X150	± 5.0	± 7.0	almost 174	12	8	1.5	3

Surface & Internal Quality

The billets will be free from surface imperfections which impair the product quality such as longitudinal cracks, transverse cracks, Deep ripple mark, scab & thick scale, slag patches, surface blow holes.

Internal quality should be free from harmful defects such as subsurface pinholes, blow hole, pipes, voids, and internal crack.