

C67mod - high-carbon steel

Tough and reliable hot-rolled steel for demanding applications

High carbon steels are characterised by high levels of resistance, hardness and strength. This grade is designed for parts which require reliable form stability during intensive use.

Typical applications are saw blades, safety-shoe toe caps, (bicycle) chains, clips and buckles for seatbelts, clutches, automotive

components, valves, washers and springs.

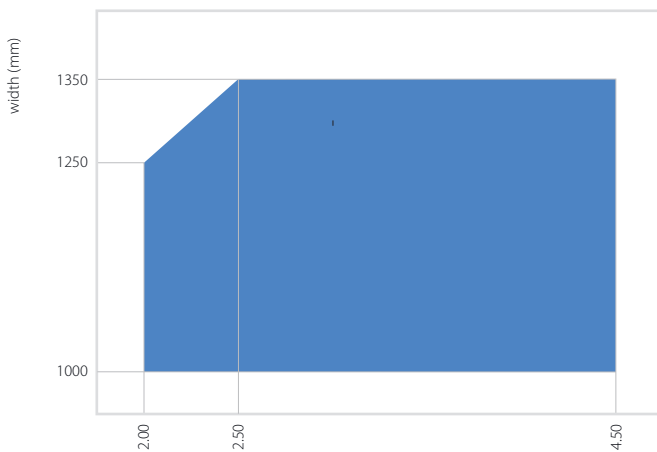
C67mod is based on an intermediate chemistry so it can be used to cover both C67 and C75 chemistries according to EN 10132. Thereby C67mod provides optimum flexibility for the users covering both defined grades.

Chemical composition (% by weight)

Grade	C	Mn	P	S	Si	Cr	Al
	min. - max.	min. - max.	max.	max.	min. - max.	max.	max.
C67mod	0.70 - 0.74	0.60 - 0.75	0.020	0.010	0.15 - 0.30	0.20 - 0.30	0.020

Our oxygen steelmaking process results in low levels of residual elements, like Cu, Mo, Ni and Sn

Dimensional window of C67mod



■ C67mod

Please refer to Tata Steel or your local sales representative for dimensions outside of the matrix (in hot-rolled dry and hot-rolled pickled and oiled).

Tolerances on thickness

The C67mod grade is supplied according to EN 10051:2010, Category C (Appendix A). Tighter tolerances are available on request.

Coil weights

	C67mod
Max. coil weight	33 tonnes
Min. KIM	15 kg/mm
Max. KIM	23 kg/mm

Transverse coil profiles

Coils required for re-rolling after slitting can be supplied, on request, with lower crown profile, guaranteed with a maximum crown of 60 µm.

Internal quality

C67mod is produced with a very good cleanliness as a result of special ladle treatment. For more information please contact us.

Decarburisation

Total guaranteed maximum decarburisation is 2.5% (sum of the decarburisation values measured on both sides).



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