

STEEL PLATES FROM HOT ROLLED COILS

Grade: C45

Steel for Quenching and Tempering / Hardening Steel

Grade	C45
Norm	EN10083-2
W. Nr.	1.05531
Rolling state	AR – as rolled
Description	Boron alloyed steel for quenching and tempering. Forming properties in the soft delivery state and high strength after heat treatment. The strength of 30MnB5 is due to a small fraction of boron to the carbon, manganese and chromium composition.
Applications	Agricultural equipment and machines, mixing machines, shovels, blades, others parts of agricultural machines and every anti-wear application

Standard coils' stock range

	1500
3	•
4	•
5	•
6	•
8	•
10	•

Dimensions other than the ones listed here can be sourced on agreement.

At times, some of the dimensions listed here might be unavailable: please make sure to get in touch with our sales department for a real-time update about the actual stock availability.

Chemical composition According to EN10083

Element	Al	B	C	Ceq	Cr	Cu	Mo	Mn	N
Min.	0,015	0,001	0,270		0,100			1,150	
Max	0,080	0,005	0,330		0,300			1,450	

Element	Ni	Nb	P	S	Si	Sn	Ti	V	Zr
Min.					0,10		0,02		
Max			0,025	0,010	0,40		0,05		

Mechanical properties For quenching and tempering: refer to EN EN10083-3 for all mechanical properties

Tolerances **Dimensional Tolerances**
UNI EN 10051

Surface Status
UNI EN 10163-2

Certifications ■ EN10204-3.1

DISCLAIMER: while great care has been taken to ensure the accuracy of all information contained in this document, Siderurgica Astico S.p.A. hereby disclaims any and all responsibility or liability that may be asserted or claimed arising from, or claimed to have arisen from, reliance upon the use or the interpretation of this document by any person. This document may be subject to change at any time without warning.