

EN 10083 C40 steel plate high carbon steel

C40 steel plate, [EN 10083 C40 steel plate](#), C40 high carbon steel plate and sheet, EN10083 steel plate, C40 carbon steel supplier/Chinese C40 steel supplier, C40 steel price, C40 steel manufacturer.

[C40 steel plate](#) is one mainly of high carbon steel, the application of EN 10083 C40 steel plate is equal to JUS Č.14341, DIN C40, UNI C40, NFA AF60-C40, and AISI 1040.

		Comparison of steel grades	
C40 EN 10083-2 Number: 1.0511		JUS	Č.14341
		DIN	C40
		BS	080M40, EN8
		GOST	40
		AISI	1040
		UNI	C40,
		NF	(AF60C40), (1C40)

Main chemical composition in [EN10083-2 C40 steel](#) : Carbon: from 0.37 to 0.44 , Manganese from 0.50 to 0.80, Sulphur max 0.045, Phosphorus max 0.045, Silicon max 0.40, More detailed information, please refer to the following table:

Chemical Composition of C40 steel

Chemical elements	C	Si max.	Mn	P max.	S max.	Cr max.	Mo max.	Ni max.	Cr+Mo+Ni max.
% , by mass	0,37-0,44	0,40	0,50-0,80	0,045	0,045	0,40	0,10	0,40	0,63
Permissible deviation	± 0,02	+ 0,03	± 0,04	+ 0,005	+ 0,005	+ 0,05	+ 0,03	+ 0,05	

C40 high carbon steel has the good grain and Mechanical properties. It's yield strength is between 290-550 MPa ,C40 tensile strength is from 260MPa to 530MPa. More detailed information about EN10083-2 C40 steel Mechanical Properties , please refer to the following table:

C40 steel Mechanical Properties

Thickness of ruling section tR

Diameter in mm	tR ≤ 100mm	100 < tR ≤ 250mm	250 < tR ≤ 500mm	500 < tR ≤ 1000mm
Re min (N/mm ²)	290	260	-	-
Rm min (N/mm ²)	550	530	-	-
A % min. l-longitudinal	17	17	-	-
tr -transverse	-	-	-	-
KV min * l-longitudinal (J)	-	-	-	-
tr -transverse	-	-	-	-

Ice steel — The most professional exporter on weathering resistant steel

Tel:0086-10-56218820

E-mail: steel@ice-steels.com

Fax: 0086-10-56218821

Web:<http://www.ice-steels.com>

Oficina Dir: ROOM 3007 1# SOHO MODERN CITY, 88 NO. JIAN GUO ROAD BEI JING OF CHINA



Beijing ICE iron and steel

ICE steel is the professional Chinese steel exporter, we can supply all kinds of steel products like EN 10083-2 C40 steel plate, steel sheet, metal sheet, flanges, steel circle, color coated steel plate, hot plate, steel coils, etc. If our products EN 10083-2 C40 steels are helpful to you, please be free to contact, we promise to give you the most competitive prices and best services.

Ice steel — The most professional exporter on weathering resistant steel

Tel: 0086-10-56218820

E-mail: steel@ice-steels.com

Fax: 0086-10-56218821

Web: <http://www.ice-steels.com>

Oficina Dir: ROOM 3007 1# SOHO MODERN CITY, 88 NO. JIAN GUO ROAD BEI JING OF CHINA