



**High carbon Steel**

High carbon steel contains up to about 1.5% of carbon. The presence of the extra carbon makes High carbon steel very hard, but it also makes High carbon steel more brittle. High carbon steel is used for cutting tools and masonry nails (nails designed to be driven into concrete blocks or brickwork without bending).

The main steel grade of high carbon steel are :

Material #: 1.0501, 1.0511, 1.0503, 1.054, 1.0535, 1.0601, 1.0603, 1.0605

EN 10083-2: C35, C40, C45, C50, C55, C60, 1 C 67, 1 C 75

NFA 33-101 : AF55-C35, AF60-C45, AF65-C45, AF70-C55, XC 68, XC 75

BS 970: 070 M 36, 070 M 40, 070 M 46, 070 M 50, 070 M 55, 070 M 60, 080A67, 080A72

UNE 36011: C 35 k, C 45 k , C 55 k

SAE J 403-AISI :1035 , 1038 / 1040, 1042 / 1045, 1049 / 1050, 1055, 1060, 1070, 1074

JIS G 4051: S 35 C, S 40 C, S 45 C, S 50 C, S 55 C, S 58 C.

| Material # | EN 10083-2 | DIN 17200 | NFA 33-101 | UNI 7846 | BS 970   | UNE 36011 | SAE J 403-AISI | JIS G 4051 |
|------------|------------|-----------|------------|----------|----------|-----------|----------------|------------|
| 1.0501     | C35        | C 35      | AF55-C35   | C 35     | 070 M 36 | C 35 k    | 1035           | S 35 C     |
| 1.0511     | C40        | C 40      | AF60-C45   | C 40     | 070 M 40 |           | 1038 / 1040    | S 40 C     |
| 1.0503     | C45        | C 45      | AF65-C45   | C 45     | 070 M 46 | C 45 k    | 1042 / 1045    | S 45 C     |
| 1.054      | C50        | C 50      |            |          | 070 M 50 |           | 1049 / 1050    | S 50 C     |
| 1.0535     | C55        | C 55      | AF70-C55   | C 55     | 070 M 55 | C 55 k    | 1055           | S 55 C     |
| 1.0601     | C60        | C 60      |            |          | 070 M 60 |           | 1060           | S 58 C     |
| 1.0603     | 1 C 67     | C 67      | XC 68      | C 67     | 080A67   |           | 1070           |            |
| 1.0605     | 1 C 75     | C 75      | XC 75      | C 75     | 080A72   |           | 1074           |            |

**Bebon steel — The most professional exporter on shipbuilding steel**

Tel:0086-371-86151527

E-mail:bb@bebonchina.com

Fax:0086-371-86011881

MSN:bebonchina@hotmail.com

Skype:bebonchina

Web:http://www.shipbuilding-steel.com

<http://www.bebonchina.com>

<http://www.steel-plate-sheet.com>

Oficina Dir: 2801 B# International enterprise center Zhengzhou city in China.