

**High yield strength cold forming steel**

High Yield strength Steel grades are characterised by a minimum yield strength of 380 to 700 N/mm<sup>2</sup>, by good weldability and high resistance to brittle cracking.

High yield strength cold forming steel offer excellent cold- forming properties and are often used for special applications at low temperatures (below -20°C).For example for pressure vessel applications.

The main grade of High yield strength cold forming steel are :

Material #: 1.0972 1.0974 1.0976 1.0978 1.098 1.0982 1.0984 1.0986 1.8969 1.8976  
1.8974

EN 10149-2: S315MC, S355MC, S420MC,S460MC, S500MC, S550MC, S600MC, S650MC, S700MC.

SEW 092: QStE 340 TM, QStE 380 TM, QStE 420 TM, QStE 460 TM, QStE 500 TM, QStE 550 TM, QStE 690 TM

NFA 36-231 : E 315 D, E 355 D, E 420 D, E 490 D, E 560 D, E 620 D, E 690 D.

UNI 8890: Fe E 355 TM, Fe E 420 TM, Fe E 490 TM, Fe E 560 TM.

BS 1449: HR 43F35, HR 50F45 , HR 68F62

ASTM: A 517 gr50/55/60/65/70/80 . ASTM A514.

Material #	EN	SEW 092	NFA	UNI 8890	BS 1449	UNE	A 517 / A 607 / J 1392
1.0972	S315MC		E 315 D		HR 43F35		045 XLK
1.0974		QStE 340 TM					Gr. 50 / Gr. 50
1.0976	S355MC		E 355 D	Fe E 355 TM			050 XLK
1.0978		QStE 380 TM					Gr. 55
1.098	S420MC	QStE 420 TM	E 420 D	Fe E 420 TM	HR 50F45		Gr. 60 / Gr. 60 / 060 XLK
1.0982	S460MC	QStE 460 TM					Gr. 65
1.0984	S500MC	QStE 500 TM	E 490 D	Fe E 490 TM			Gr. 70 / Gr. 70 / 070 XLK
1.0986	S550MC	QStE 550 TM	E 560 D	Fe E 560 TM			/ Gr. 80 / 080 XLK
1.8969	S600MC		E 620 D		HR 68F62		
1.8976	S650MC						
1.8974	S700MC	QStE 690 TM	E 690 D				ASTMA514

**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.