

AH32

The steel for shipbuilding and oil platform---AH32, is the high tensile strength steel. It is the Hull structural steel,with it's good toughness properties, higher strength,strong corrosion-resistance,the processing properties,and welding properties.This kind of steel can be used in the manufacture of the ocean ship's hull structure whose weight is above 10000 tons.

Chemical Composition %

Grade	C max	Si max	Mn	P max	S max	Als min	Ti max	Cu max	Cr max	Ni max	Mo max
AH32	0.18	0.50	0.90- 1.60	0.035	0.035	0.015	0.02	0.35	0.20	0.40	0.08

Note: Generally speaking CE will be $\leq 0.40\%$. If the delivery condition is TMPC, the CE will be : $\leq 0.36\%$ (thickness $\leq 50\text{mm}$), $\leq 0.38\%$ (when the thickness $>50-100$).

$Ceq\% = (C+Mn)/6+(Cr+Mo+V)/5+(Ni+Cu)/15$.

Mechanical Property

Grade	Rm	Re(MPa)	A%	Akv/J min
-------	----	---------	----	-----------

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

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

	(MPa)) min	min							
				E.T °C		Thickness (mm)				
				0		≤ 50		>50-70		>70-100
AH32	440-570	315	22	0	L	C	L	C	L	C
					3	2	3	2	4	31
					1	2	8	6	6	

Note: In the list , Rm: tensile strength, Re: Yield strength, A%: elongation, E.T: experimental temperature, L: lengthways, C: crosswise.

Condition Of Delivery

Grade	Fine grains elements	category	The thickness of steel					
			≤ 12	>12.5-20	>20-25	>25-35	>35-50	>50-100
AH32	Nb+V or V	Plate/ sheet	A(50)	N(50),CR(50),TM(50)				N(50),CR(25),TM(50)
		Profile steel		N(50),CR(50),TM(50),AR*(25)				-
	Al or Al+Ti	Plate/ sheet	A(50)	AR*(25)		-		
		N(50),CR(50),TM(50)			N(50),CR(25),TM(50)			
	Profile	A(50)	N(50),CR(50),TM(50),AR*(25)				-	

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

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



BEBON

BebonChina.com

Henan BEBON international co.,ltd

		steel)		
--	--	-------	---	--	--

Note: 1. delivery condition: A =Any ; N=Normalized ; CR=Control Rolled ; TM=TMPC, Temperature - deformation control rolling; AR*= Can be hot rolled with the agreement of Classification Society ; CR*=Can be control rolled with the agreement of Classification Society .

2. The Figure in the () means the sampling volume to do the impact test, the unit is Ton.(-) means without impact test.

Contrast in the different standard

ASTM A131M	TOCT 5521	JIS G3106	BS LR	GB712
AH32	A32	SM490B SM490C	AH32	A32

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

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