

UNE 36.093 AP 13 steel plate/sheet for stamping and cold forming steels

AP 13 steel plate/sheet, steel plate/sheet, under UNE 36.093 standard, we can regard AP 13 steel plate/sheet as stamping and cold forming steels. UNE 36.093 AP 13 is mainly used as stamping and cold forming steels.

UNE 36.093 AP 13 steel plate/sheet is stamping and cold forming steels, which is equivalent to NFA 36-301 3C, BS:HR1, DIN 1614/2 StW 24, JIS:SPHE AK, ASTM:A621DQ and BS 1449 HR1 steels.

AP13 UNE36.093 Number: 1.0335	Comparison of steel grades	
	NFA 36-301	3C
	UNI5867	FEP13
	DIN 1614/2	StW 24
	JIS G 3131	SPHE AK
	ASTM-SAE	A621DQ- SAE1006AK
	BS1449	HR1

Chemical analysis -% by mass*

Mechanical properties

Chemical elements	C	Si max	Mn max	P max.	S max.
AP13	0.08	--	0.40	0.030	0.030

thickness	Yield Strength ReH [N/mm ²] transv. min.	Tensile Strength Rm [N/mm ²] transv.	Fracture Elongation[%]transv. min.	Bending Test transv. bending mandrel Ø angle = 180° s = plate thickness
t ≤ 16mm t > 16mm	170-310			0 S
t < 3mm t ≥ 3mm		400		
Up to 1.5mm 1.51-2.00mm 2.01-2.50mm 2.51-2.99mm ≥ 3mm			28 A80 29 A80	
			33 A5	

Bebon steel — The most professional exporter on shipbuilding steel

E-mail: bb@bebonchina.com

Tel: 0086-371-86151527

MSN: bebonchina@hotmail.com

Fax: 0086-371-86011881

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

Skype: bebonchina

www.bebonchina.com

www.shipbuilding-steel.com

www.steel-plate-sheet.com