

**UNI5859 FE 410-1-KG steel plate/sheet for boilers and Pressure Vessels steels**

UNI5859 FE 410-1-KG steel plate/sheet,UNI5859 FE 410-1-KG steel plate/sheet, under EN standard, we can regard FE 410-1-KG steel plate/sheet for boilers and Pressure Vessels steels.UNI5859 FE 410-1-KG steel plate/sheet is for boilers and Pressure Vessels steels,it is a normalized steel plate and sheet which is mainly used for building pressure vessels and boilers and pipes for hot liquid.

If you are looking for Chinese FE 410-1-KG steel supplier, if you want to know FE 410-1-KG steel price, please be free to contact us.

The chemical composition of EN FE 410-1-KG steel

Element	Max %	Element	max %
C	0.18	Cu	0.30
Si	0.40	Mo	0.08
Mn	0.50-1.40	N	0.02
P	0.03	Nb	0.05
S	0.03	Ni	0.50
AL	0.020	Ti	0.03
Cr	0.30	V	0.05
Nb+Ti+V	0.05		

The mechanical properties of EN FE 410-1-KG steel

Grade	Material	Thickness	Yield Strength	Tensile Strength	Elongation
		(mm)	MPa (min)	MPa	% (min)
FE 410-1-KG	1.0487	≤ 16	275		
		16> to ≤35	275		
		35> to ≤50	265		
		50> to ≤70	255	370-490	23
		70> to ≤100	235	350-470	1)
		100> to ≤150	225	1)	1)
		>150	390-510	24	

The impact test of EN FE 410-1-KG steel

Type	Usual Delivery Condition	Nominal Thickness (mm)	Impact Energy KV min[J] at temperature [°C]									
			Longitudinal					Longitudinal				
			-50	-40	-20	0	+20	-50	-40	-20	0	+20
FE 410-1-KG	N	5-150	-	-	40	47	55	-	-	20	27	31

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