

**UNI 5869 14 CrMo 4.5 steel plate/sheet for steel with Cr., Mo.,Cr-Mo steels**

**For high temperature and pressure vessels**

UNI 5869 14 CrMo 4.5 steel plate/sheet, UNI 5869 14 CrMo 4.5 steel plate/sheet, under UNI 5869 standard, we can regard 14 CrMo 4.5 steel plate/sheet for steel with Cr., Mo.,Cr-Mo steels used for high temperature and pressure vessels.

UNI 5869 14 CrMo 4.5 steel grade is a kind of steel which with Cr., Mo.,Cr-Mo that mainly applied for high temperature and pressure vessels. The steel grade 14 CrMo 4.5 is according to UNI 5869 standard which with the yield strength of 228MPa. The followings are the chemical composition and mechanical properties of UNI 5869 14 CrMo 4.5 steel plate.

The chemical composition of steel ASTM A387gr12 steel by [%]

Grades	C	Mn	S	P	Si	Cr	Ni	Cu	Mo	Nb+V+Ti
14Cr Mo 4.5	0.05- 0.17	0.40- 0.65	0.035 max	0.035 max	0.50- 0.80	1.0- 1.5	-	-	0.45- 0.60	-

Mechanical properties of ASTM A387gr12 steel

Grade	Permissible yield point ratio	Yield Strength MPa(min)	Tensile Strength MPa	Elongation % (min)
14 CrMo 4.5	-	228	380-550	22

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