



Grade	Code	AISI	Martensitic Stainless Steel
1.4125	X105CrMo17	440C	

Steel Properties

1.4125 special steel with high hardness, wear resistance and good edge retention, due to the higher carbon content but at the expense of corrosion resistance. Good corrosion resistance in hardened and tempered condition.

Chemical Composition (1.4125)

C %	P %	Si %	Mn %	S %	Cr %	Mo %	Ni %	V %	Cu %
0,95 – 1,20	0,04 max.	1,00 max.	1,50 max.	0,04 max.	16,00 – 18,00	0,40 – 0,80	-	-	-

Suitable For

1.4125 - AISI 440C is used on knives for the food industry, for example for frozen goods, pork and cattle splitting blades and shaped knives for fish processing and accessories for meat grinders.

Also, 1.4125 - AISI 440C principally has been used in bearing assemblies including bearing balls and races. In addition, it should be considered for cutlery, needle valves, ball check valves, etc.

Remarks

Specification

1.4125, AISI 440C, X105CrMo17