

1.4125 (X105CrMo17) soft annealed

1.4125 (X105CrMo17) directly from stock & cut to your required dimensions!

International term: AISI 440C

Application field: 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.

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.

Characteristics:

Weldability: no

Machinability: 4 (1 = very bad - 10 = good)

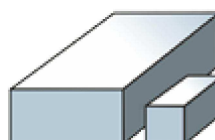
Polishability: yes

Corrosion class: 2 (0 = weak - 5 = good)

Chemical composition:

1.4125 X105CrMo17	C	Si	Mn	P	S	Cr	Mo	Ni	V
min.	0,95	bis	bis	bis	bis	16,0	0,4		
max.	1,20	1,0	1,0	0,04	0,04	18,0	0,8		

From stock: flat, forged, soft annealed



Benefit of sawn cuts:

The processing with the saw is a mechanical processing of the material, which results in a significantly lower unintended deformation and increased hardness for the existing structure, such as the thermal cutting. Thus, the machined workpiece has a homogeneous structure even at the edge, which does not change in the continuation of the material.

This circumstance allows immediate finishing of the workpiece with milling or drilling . So it is not necessary to anneal the material or make a similar operation beforehand.
