

DELIVERY CONDITION

Annealed.

PROPERTIES AND MOST COMMON APPLICATIONS

Steel with great wear resistance.

It has little deformation in the quenching.

A minimum of 2,5 mm. in radius is recommended to machine in order to eliminate the decarburized area.

Its most common applications are for ball bearings or rolls, woodworking tools, lathe spindle centres, reamers, dies, bearings and grinding of hard and very abrasive materials.

DIMENSIONS IN STOCK MM.



20-505

APPLICABLE STANDARD

EN ISO 4957

CHEMICAL COMPOSITION

	C	Mn	Si	P	S	Cr
MIN	0,95	0,25	0,15			1,35
MAX	1,10	0,45	0,35	0,030	0,030	1,65

HEAT TREATMENTS - APPROXIMATE TEMPERATURES

Annealed °C	Quenched °C	Tempered °C
720-800	830 - 870 Oil	150-300

MECHANICAL PROPERTIES

Mechanical properties at room temperature in annealed condition.

Maximum hardness: 223 HB.

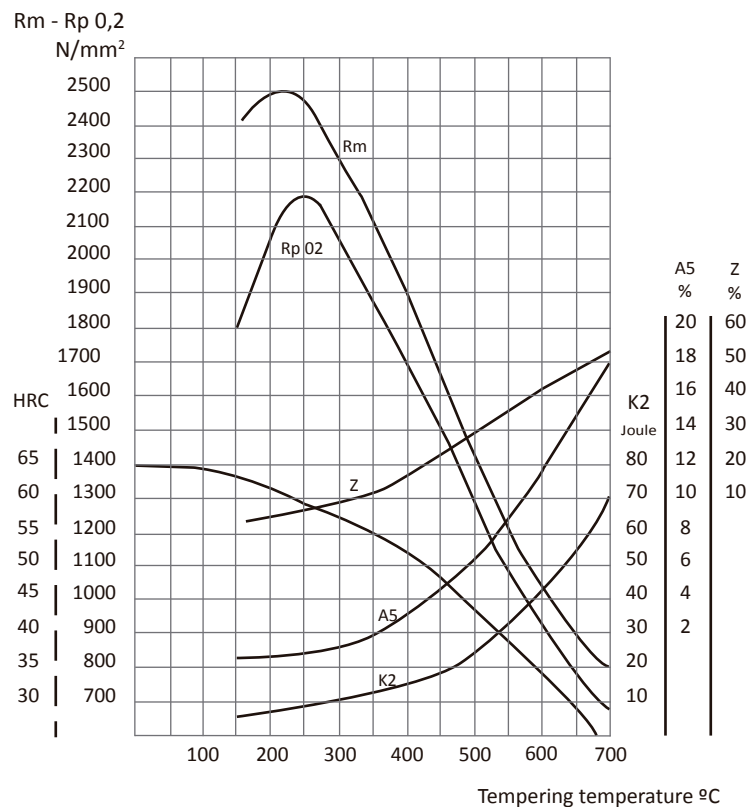
APPROXIMATE EQUIVALENT STANDARDS

EN	DIN	Nº STAND	UNE	STAS	AFNOR	BS	UNI	AISI/SAE	GOST
102Cr6	100Cr6	1.2067	F5230		100C6	BL3	102Cr6KU	L3	LUX15

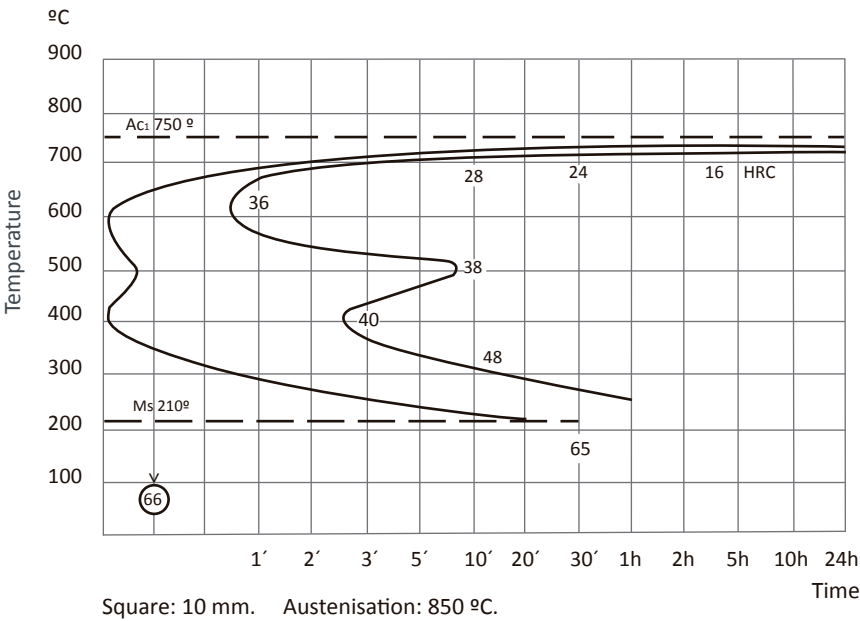
COLOUR CODE



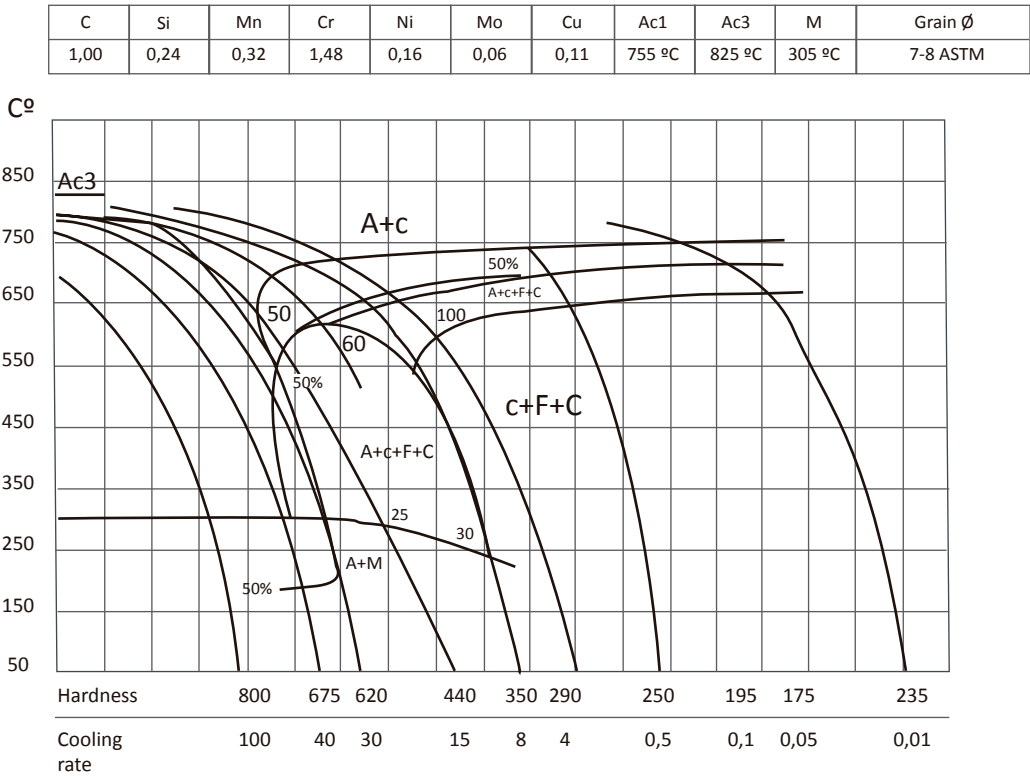
TEMPERING DIAGRAM



TTT DIAGRAM



CCT DIAGRAM



Dimensions of the test
Ø = 2 L=12

Pre-heat treatment
Rec. 650 °C

Austenisation
850 °C