

DELIVERY CONDITION

Annealed.

PROPERTIES AND MOST COMMON APPLICATIONS

Steel for critical case hardened pieces requiring good tenacity and strength in the core (average tensile strength of 80-110 kgs/mm²) and/or good compressive strength. Its most common applications are for gears, pinions, reducers, speed boxes, cams, bolts and ball joints.

DIMENSIONS IN STOCK MM.



15-505

APPLICABLE STANDARD

EN 10084

CHEMICAL COMPOSITION

	C	Mn	Si	P	S	Cr	Ni
MIN	0,14	0,40				0,60	3,00
MAX	0,20	0,70	0,40	0,025	0,035	0,90	3,50

HEAT TREATMENTS - APPROXIMATE TEMPERATURES

Annealed °C	Quenched °C	Tempered °C
630-660	840 - 880 oil	150-200

MECHANICAL PROPERTIES

Mechanical properties at room temperature in annealed condition.

Maximum hardness
229HB

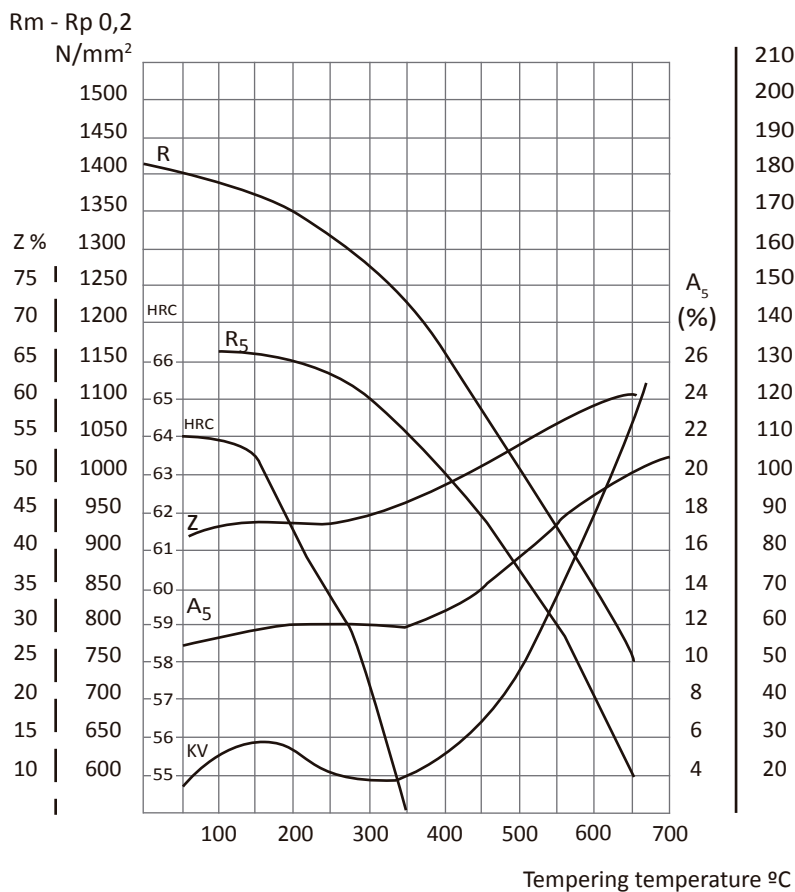
APPROXIMATE EQUIVALENT STANDARDS

EN	DIN	Nº STAND	UNE	STAS	AFNOR	BS	UNI	AISI/SAE	GOST
15NiCr13	14NiCr14	1.5752	F1540		14NC12	655H13		3310	12X2H4A

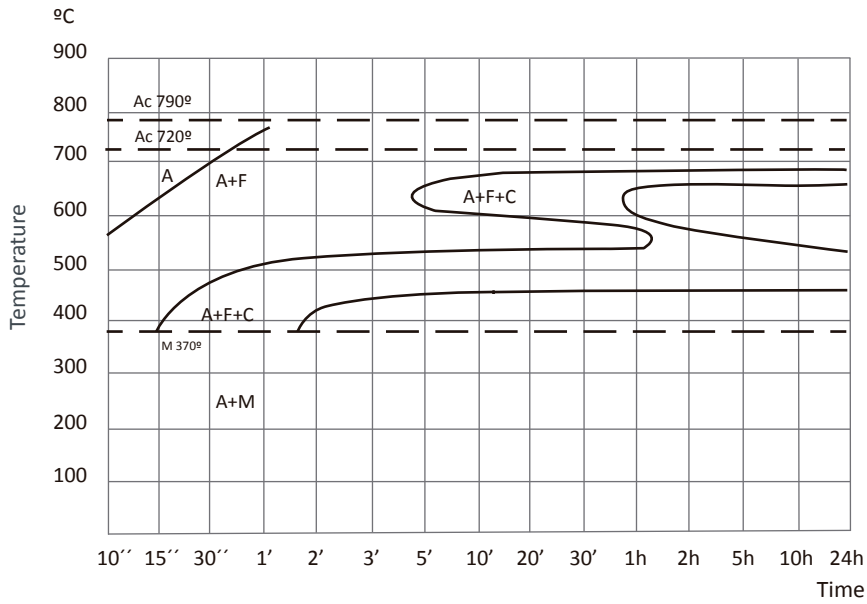
COLOUR CODE



TEMPERING DIAGRAM



TTT DIAGRAM



CCT DIAGRAM

