

DELIVERY CONDITION

Annealed.

PROPERTIES AND MOST COMMON APPLICATIONS

Steel suitable for medium size case hardened pieces requiring good tenacity and tensile strength in the core of 85-110 kg/mm². Its most common applications are for pinions, differential crowns, high speed gears, safety bolts and bolts.

DIMENSIONS IN STOCK MM.



20-200

APPLICABLE STANDARD

EN 10084

CHEMICAL COMPOSITION

	C	Mn	Si	P	S	Cr	Mo	Ni
MIN	0,17	0,65				0,35	0,15	0,40
MAX	0,23	0,95	0,40	0,025	0,035	0,70	0,25	0,70

HEAT TREATMENTS - APPROXIMATE TEMPERATURES

Annealed °C	Quenched °C	Tempered °C
650-680	860 - 900 oil	150-200

MECHANICAL PROPERTIES

Mechanical properties at room temperature in annealed condition.

Maximun hardness
212 HB

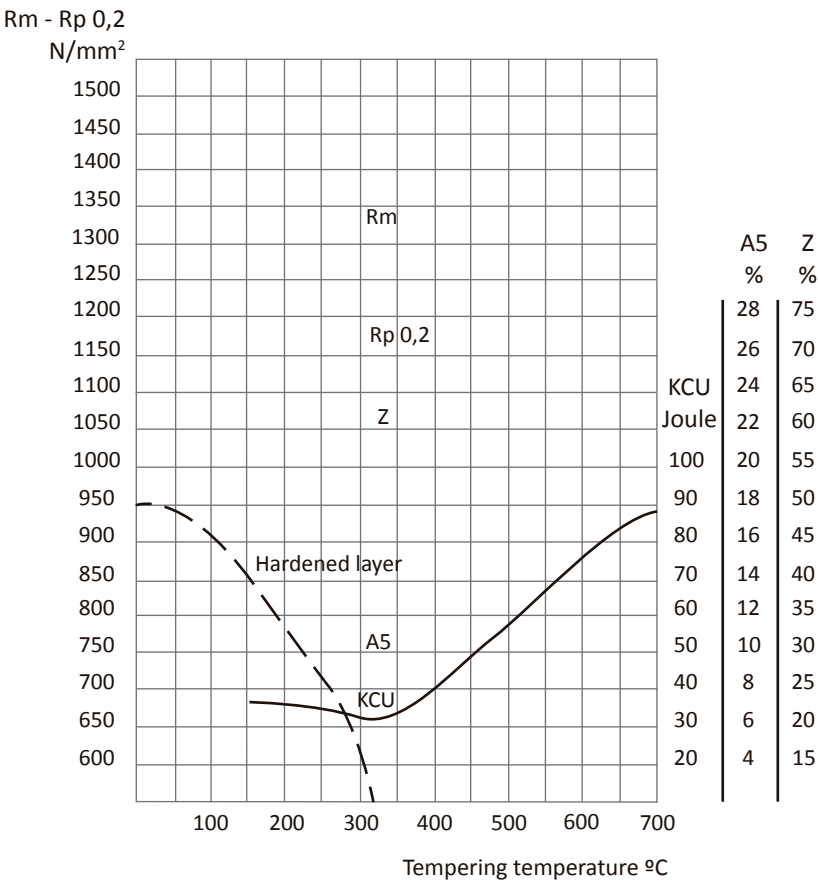
APPROXIMATE EQUIVALENT STANDARDS

EN	DIN	Nº STAND	UNE	STAS	AFNOR	BS	UNI	AISI/SAE	GOST
20NiCrMo2-2	20NiCrMo2-2	1.6523	F1522	20MoCrNi6	20NCD2	805H20	20NiCrMo2	8617	20XГНМ

COLOUR CODE



TEMPERING DIAGRAM



Treatment: in Ø 11 mm Hardness: 850°C oil Annealing for 2 hours

