

DELIVERY CONDITION

Annealed.

PROPERTIES AND MOST COMMON APPLICATIONS

Steel for medium and large size pieces with a core tensile strength of between 100-125 kg/mm².

High tensile strength in the core and excellent tenacity.

Suitable for use at low temperatures.

Its most common applications are for stubs, gears, shafts for the wind industry, crankshafts, rims, reducers, automobile gear boxes and pieces for industrial and agricultural vehicles.

DIMENSIONS IN STOCK MM.



30-332

APPLICABLE STANDARD

EN 10084

CHEMICAL COMPOSITION

	C	Mn	Si	P	S	Cr	Mo	Ni
MIN	0,15	0,50				1,50	0,25	1,40
MAX	0,21	0,90	0,40	0,025	0,035	1,80	0,35	1,70

HEAT TREATMENTS - APPROXIMATE TEMPERATURES

Annealed °C	Quenched °C	Tempered °C
650-700	830 - 870 oil	150-200

18CrNiMo7-6

MECHANICAL PROPERTIES

Mechanical properties at room temperature in annealed condition.

Maximun hardness
229 HB

APPROXIMATE EQUIVALENT STANDARDS

EN	DIN	Nº STAND	UNE	STAS	AFNOR	BS	UNI	AISI/SAE	GOST
18CrNiMo7-6	17CrNiMo6	1.6587				18CrNiMo7-6			18X2ГН2М

COLOUR CODE

