

DELIVERY CONDITION

Annealed.

PROPERTIES AND MOST COMMON APPLICATIONS

Steel for not very large case hardened pieces.

Pieces with a core tensile strength after case hardening and quenching of between 80-125 kg/mm².

Its most common applications are for bolts, pinions, cams, gears, speed gear boxes, plunger shafts and rims.

DIMENSIONS IN STOCK MM.



20-605

APPLICABLE STANDARD

EN 10084

CHEMICAL COMPOSITION

	C	Mn	Si	P	S	Cr	Mo
MIN	0,15	0,60				0,90	0,15
MAX	0,21	0,90	0,40	0,025	0,035	1,20	0,25

HEAT TREATMENTS - APPROXIMATE TEMPERATURES

Annealed °C	Quenched °C	Tempered °C
670-700	860 - 900 oil	150-200

18CrMo4

MECHANICAL PROPERTIES

Mechanical properties at room temperature in annealed condition.

Maximun hardness
207 HB

APPROXIMATE EQUIVALENT STANDARDS

EN	DIN	Nº STAND	UNE	STAS	AFNOR	BS	UNI	AISI/SAE	GOST
18CrMo4	18CrMo4	1.7243	F1550		18CD4	708M20			18XГМ

COLOUR CODE

