

DELIVERY CONDITIONS

As rolled.

PROPERTIES AND MOST COMMON APPLICATIONS

Carbon steel with a tensile strength of between 70-90 kg/mm² maintaining a good tenacity. Induction hardened hardness over 57 HRC. Not recommended for welding. Its most common applications are for agricultural tools, brake drums, shafts and drives.

DIMENSIONS IN STOCK MM.



20-200

APPLICABLE STANDARD

EN 10083-2

CHEMICAL COMPOSITION

	C	Mn	Si	P	S	Cr	Mo	Ni	Others
MN	0,52	0,60							Cr+Mo+Ni Max. 0,63
MX	0,60	0,90	0,40	0,045	0,045	0,40	0,10	0,40	

HEAT TREATMENTS - APPROXIMATE TEMPERATURES

Annealed °C	Quenched °C	Tempered °C
670-710	820 - 840 Oil	550-660

MECHANICAL PROPERTIES

Mechanical properties at room temperature in normalized condition (+N).

Dimensions		Re (N/mm ²)	Rm (N/mm ²)	A (%)
mm.		min.	min.	min.
	≤ 16	370	680	11
> 16	≤ 100	330	640	12
> 100	≤ 250	300	620	12
> 250	On request			

APPROXIMATE EQUIVALENT STANDARDS

EN	DIN	Nº STAND	UNE	STAS	AFNOR	BS	UNI	AISI/SAE	GOST
C55	C55	1.0503	F1150	OLC55q	C55	070M55	C55	1055	55

COLOUR CODE

