

DELIVERY CONDITION

As rolled.

PROPERTIES AND MOST COMMON APPLICATIONS

Carbon steel with a tensile strength of between 70-95 kg/mm² maintaining a good tenacity.
Induction hardened hardness over 57 HRC. Not recommended for welding.
Its most common applications are for helical and flat springs, agricultural machinery, hammers, chisels, gears and bolts.

DIMENSIONS IN STOCK MM.



20-200

APPLICABLE STANDARD

EN 10083-2

CHEMICAL COMPOSITION

	C	Mn	Si	P	S	Cr	Mo	Ni	OTHERS
MN	0,57	0,60							Cr+Mo+Ni Max. 0,63
MX	0,65	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		380	710	10
> 16	≤ 100	340	670	11
> 100	≤ 250	310	650	11
> 250	On request			

APPROXIMATE EQUIVALENT STANDARDS

EN	DIN	Nº STAND	UNE	STAS	AFNOR	BS	UNI	AISI/SAE	GOST
C60	C60	1.0601		OLC60q	C60	060A62	C60	1060	60

COLOUR CODE

