

PROPERTIES AND MOST COMMON APPLICATIONS

Pieces of medium resistance, good weldability and tenacity.
Acceptable results in the case hardening of non-critical pieces.
Its most common applications are washers, chains, screws and connection rods.

DIMENSIONS IN STOCK MM.



8 - 100

APPLICABLE STANDARD

EN 10277-2

CHEMICAL COMPOSITION

	C	Mn	Si	P	S	Others
MIN						Cu max.: 0,55 Al min.: 0,020
MAX	0,22	1,60	0,55	0,030	0,030	

MECHANICAL PROPERTIES

Dimensions		Re (N/mm ²)	Rm (N/mm ²)		A (%)
mm.		min.	min.	max.	min.
≥ 5	≤ 10	520	630	950	6
> 10	≤ 16	450	580	880	7
> 16	≤ 40	350	530	850	8
> 40	≤ 63	335	500	770	9
> 63	≤ 100	315	470	740	9

APPROXIMATE EQUIVALENT STANDARDS

EN	DIN	Nº STAND	UNE	STAS	AFNOR	BS	UNI	AISI/SAE	GOST
		1.0579							17Г1С

DELIVERY CONDITIONS

Grade	Profile	Tolerance	Length, mm.	Bundle weight, kg min
ST52		h9 - h10-h11	3000 - 6000	1000 - 2000

COLOUR CODE

