



Quality AISI 4140 (SAE-AISI 4140)

CORRESPONDENCE TO INTERNATIONAL DESIGNATIONS

Quality	Europe	Germany		France	Spain	G.B.	USA
	EN	DIN	W.n.	AFNOR	UNE	B.S.	AISE/SAE
4140	-	-	1,7225	-	-	708M40	4140

CHEMICAL ANALYSIS


Steel designation		Chemical composition								
Symbolic	Numeric	C	Mn	Si	P max	S max	Cr	Mo	Ni	V
AISI 4140	1,7225	0,38 ÷ 0,43	0,75 ÷ 1,00	0,15 ÷ 0,35	0,035	0,040	0,80 ÷ 1,10	0,15 ÷ 0,25	-	-

Concentration limits of the elements that are not indicated in the table can be deduced in the EN 10020 regulation.

MECHANICAL CHARACTERISTICS

Steel		Normalisation temperature 900°C min – Tempering temperature 620°C min					
Symbolic	Numeric	R _e min	R _m min	A min	Z min	Durezza HB	KV a -46°C min
		N/mm ²		%	%	max	J
AISI 4140	1,7225	520	677	20	45	237	27

USUALLY AVAILABLE EX STOCK

M.T. Coloration	Quality	Heat treatment	Surface
	Aisi 4140	Quenched and tempered	rolled