



Quality AISI 4130 (SAE-AISI 4130)

CORRESPONDENCE TO INTERNATIONAL DESIGNATIONS

Quality	Europe	Germany		France	Spain	G.B.	USA
	EN	DIN	W.n.	AFNOR	UNE	B.S.	AISE/SAE
AISI 4130	25/30CrMo4	-	1,7218	-	-	708A25	4130

CHEMICAL ANALYSIS

Steel designation	Chemical composition								
	C	Mn	Si	P max	S max	Cr	Mo	V	Al
AISI 4130	0,28 ÷ 0,33	0,40 ÷ 0,60	0,15 ÷ 0,35	0,035	0,040	0,60 ÷ 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		d ≤ 16mm				16mm < d ≤ 40mm				40mm < d ≤ 100mm				100mm < d ≤ 160mm			
Symbolic	Numeric	R _e min	R _m	A min	KCU min	R _e min	R _m	A min	KCU min	R _e min	R _m	A min	KCU min	R _e min	R _m	A min	KCU min
		N/mm ²		%	J	N/mm ²		%	J	N/mm ²		%	J	N/mm ²		%	J
AISI 4130	1,7218	685	880 ÷ 1080	12	32,5	635	830 ÷ 1030	12	32,5	520	740 ÷ 880	13	30	420	690 ÷ 830	15	30

JOMINY HARDENABILITY

Steel designation		Range limits	HRC hardness measured from the quenched end of the test tube (mm)													
Symbolic	Numeric		1,5	3	5	7	9	11	13	15	20	25	30	35	40	
AISI 4130	1,7218	max	56	55	53	51	49	47	45	42	39	37	35	33	32	
		min	46	45	42	38	35	30	28	26	24	23	21	20	-	

USUALLY AVAILABLE EX STOCK

M.T. Coloration	Quality	Heat treatment	Surface
	AISI 4130	Quenched and tempered	rolled