



## Quality 52SiCrNi5 (UNI 3545)

### CORRESPONDENCE TO INTERNATIONAL DESIGNATIONS

Quality	Europe	Germany		France	Spain	G.B.	USA
	EN	DIN	W.n.	AFNOR	UNE	B.S.	AISI/SAE
52SiCrNi5	-	-	-	-	-	-	-

### CHEMICAL COMPOSITION % (UNI 3545)

Steel designation		Chemical composition								
Symbolic	Numeric	C	Si	Mn	P max	S max	Cr	Mo	Ni	V
52SiCrNi5	-	0,49 ÷ 0,56	1,20 ÷ 1,50	0,70 ÷ 0,90	0,035	0,035	0,70 ÷ 1,00	-	0,50 ÷ 0,70	-

### MECHANICAL CHARACTERISTICS (UNI 3545)

Steel		10 mm		
Symbolic	Numeric	R <sub>e</sub> min	R <sub>m</sub>	A min
		N/mm <sup>2</sup>		%
52SiCrNi5	-	1220	1400 to 1650	5

### JOMINY HARDENABILITY (UNI 3545)

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
52SiCrNi5	-	max	63	63	63	62	62	62	61	61	60	59	57	56	54
		min	56	56	55	55	54	53	52	51	47	42	38	35	33

### USUALLY AVAILABLE EX STOCK

M.T. Coloration	Quality	Heat treatment	Surface
	52SiCrNi5	Spheroidal annealed	rolled