



Quality 40NiCrMo7 (L43~)

CORRESPONDENCE TO INTERNATIONAL DESIGNATIONS

Quality	Europe	Germany		France	Spain	G.B.	USA
	EN	DIN	W.n.	AFNOR	UNE	B.S.	AISI/SAE
40NiCrMo7 L43	40NiCrMo7	40NiCrMo8-4	1.6562	-	-	817M40	4340

CHEMICAL COMPOSITION (UNI 7845)

Steel designation		Chemical composition							
Symbolic	Numeric	C	Mn	Si	P max	S max	Cr	Mo	Ni
40NiCrMo7	1.6562	0,38 ÷ 0,43	0,60 ÷ 0,85	0,15 ÷ 0,35	0,035	0,040	0,70 ÷ 0,90	0,30 ÷ 0,30	1,65 ÷ 2,00

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

MECHANICAL CHARACTERISTICS (UNI 7845)

Steel		Mechanical characteristics for the reduced section											
		d ≤ 16mm				16mm < d ≤ 40mm				40mm < d ≤ 100mm			
Symbolic	Numeric	R _e min	R _m	A min	Z min	R _e min	R _m	A min	Z min	R _e min	R _m	A min	Z min
		N/mm ²		%	%	N/mm ²		%	%	N/mm ²		%	%
40NiCrMo7	1.6562	835	1030 ÷ 1230	11	30	785	980 ÷ 1180	11	30	735	930 ÷ 1130	12	30

Steel		(EN 10083-1:2006, attachment a) with a diameter (d) of											
		100mm < d ≤ 160mm				160mm < d ≤ 250mm							
Symbolic	Numeric	R _e min	R _m	A min	Z min	R _e min	R _m	A min	Z min	R _e min	R _m	A min	Z min
		N/mm ²		%	%	N/mm ²		%	%	N/mm ²		%	%
40NiCrMo7	1.6562	665	850 ÷ 1030	13	30	635	780 ÷ 980	13	30				