



Quality 100CrMo7 (EN ISO 683-17)

PROPERTIES AND EMPLOYEMENTS

Together with 100Cr6 is the most commonly employed steel for the fabrication of bearings of small and big dimensions. It has a good inalterability, excellent wear resistance at the hardened and stress relieved state and good machinability with machine tools at the globular annealed state. It is suitable for the construction of medium and big bearings, small and medium rollers for cold rolling and tools for cold processing.

CORRESPONDENCE TO INTERNATIONAL DESIGNATIONS


Quality	Europe	Germany		France	Spain	G.B.	USA
	EN	DIN	W.n.	AFNOR	UNE	B.S.	AISI/SAE
100CrMo7	100CrMo7	100CrMo7	1.3537	100CrMo7.2	F1313	-	-

CHEMICAL COMPOSITION % (EN ISO 683-17)

Steel designation		Chemical composition									
Symbolic	Numeric	C	Si	Mn	P max	S max	Cr	Ni max	Mo	Cu max	Ni + Cu max
100CrMo7-3	IIIX20M-B	0,93 ÷ 1,05	0,15 ÷ 0,35	0,60 ÷ 0,80	0,025	0,015	1,65 ÷ 1,95	0,10	-	0,30	0,050

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

USUALLY AVAILABLE EX STOCK

M.T. Coloration	Quality	Heat treatment	Surface
	100CrMo7	Soft-annealed	rolled rolled turned/ forged turned