



## Quality ZF1A (CAP.ZF) (18CrNiMo7-6~)

### CORRESPONDENCE TO INTERNATIONAL DESIGNATIONS

Quality	Europe	Germany		France	Spain	G.B.	USA
	EN	DIN	W.n.	AFNOR	UNE	B.S.	AISI/SAE
ZF7B	16MnCr5+Boro	-	-	-	-	-	-

### CHEMICAL COMPOSITION % (EN 10084)


Steel designation		Chemical composition								
Symbolic	Numeric	C	Si max	Mn	P max	S	Cr	Mo	Ni	B
ZF7B	CAP.ZF	0,15 ÷ 0,20	0,40	1,10 ÷ 1,40	0,025	0,02 ÷ 0,035	1,00 ÷ 1,30	-	-	0,001 ÷ 0,00

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

### JOMINY HARDENABILITY (ZF)

Steel designation		Range limits	HRC hardness measured from the quenched end of the test tube (mm)			
Symbolic	Numeric		5	10	25	50
ZF1A	CAP.ZF	max	46	43	39	35
		min	42	39	34	30

### USUALLY AVAILABLE EX STOCK

M.T. Coloration	Quality	Heat treatment	Surface
	ZF7B (20MnCrB5)	Soft-annealed	rolled reeled