

**CHEMICAL REQUIREMENTS IN (%)**

	ASTM B335/564	VdTÜV Werkstoffblatt 517
Ni, min.	65,0	Bal.
Cu, max.	0,20	
Fe	1,0 - 3,0	1,0 - 3,0
Mn, max.	3,0	3,0
C, max.	0,01	0,01
Si, max.	0,10	0,10
S, max.	0,010	0,015
Cr	1,0 - 3,0	1,0 - 3,0
Al, max.	0,50	0,50
Ti, max.	0,20	
Mo	27,0 - 32,0	27,0 - 32,0
P, max.	0,030	0,03
W, max.	3,0	3,0
Co, max.	3,0	3,0
V, max.	0,20	
Ni + Mo	94,0 - 98,0	
Nb, max.	0,20	
Ta, max.	0,20	
Zr, max.	0,10	

**MECHANICAL PROPERTIES**

solution annealed	bar	forging	bar / forging
	7,94 mm ≤ D ≤ 88,9 mm ASTM B335	ASTM B564	D ≤ 220 mm VdTÜV Werkstoffblatt 517
R <sub>m</sub> (MPa)	≥ 760		700 - 1000
R <sub>p 0,2</sub> (MPa)	≥ 350		≥ 325
R <sub>p 1,0</sub> (MPa)			≥ 370
A (%)	≥ 40		≥ 40
Av (J)			≥ 120

All information are supplied without liability.