

**CHEMICAL REQUIREMENTS IN (%)**

	ASTM B564/574	VdTÜV Werkstoffblatt 400	DIN 17744
Mo	15,0 - 17,0	15,00 - 17,00	15,0 - 17,0
Cr	14,5 - 16,5	14,50 - 16,50	14,5 - 16,5
Fe	4,0 - 7,0	4,00 - 7,00	4,0 - 7,0
W	3,0 - 4,5	3,00 - 4,50	3,0 - 4,5
Co, max.	2,5	2,50	2,5
C, max.	0,010	0,01	0,010
Si, max.	0,08	0,08	0,08
Mn, max.	1,0	1,00	1,0
V, max.	0,35	0,35	0,35
P, max.	0,04	0,025	0,020
S, max.	0,03	0,010	0,015
Ni	Rest	Rest	Rest
Cu, max.			0,50

**MECHANICAL PROPERTIES**
**solution annealed**

	bar D ≤ 88,9 mm ASTM B574	forging ASTM B564	bar D ≤ 250 mm D ≤ 90 mm	forging D ≤ 90 mm	bar D ≤ 100 mm DIN 17752
R <sub>m</sub> (MPa)	≥ 690		700 - 950		≥ 690
R <sub>p 0,2</sub> (MPa)	≥ 283		≥ 280		≥ 280
R <sub>p 1,0</sub> (MPa)			≥ 300		≥ 300
A (%)	≥ 40		q/t ≥ 25 / l ≥ 35		≥ 35
Av (J)			q/t ≥ 72 / l ≥ 96		
hardness (HBW 2,5/62,5)					max. 240

All information are supplied without liability.