WN 1.6582 or DIN 34CrNiMo6

1. Chemical Composition

C	Si	Mn	P	S	Cr	Mo	Ni
0.3-0.38	≤ 0.4	0.5-0.8	≤ 0.025	≤0.035	1.30-1.70	0.15-0.30	1.30-1.70

2. Mechanical Properties

Yield stress (Mpa)	UTS (MPa)	Elongation (%)	A (%)	Impact E (J)	Hardness (HB)
600-1000	800-1400	9-13	8-10	40-45	Max 240

3. Heat Treatment

Row	Heat treatment type	Temp. Range °C
1	Normalizing	860-880
2	Annealing	790-830
3	Quenching	830-850
4	Tempering	550-660
5	Hot Work	900-1100

4. Applicable Standards

EU EN	USA AISI/SAE	Japan JIS	France AFNOR	England BS	Russia GOST
34CrNiMo6	4337/4340	SNCM447	35NCD6	817M40	36KH2N2MFA 38KH2N2MA 40KHN2MA
Italy UNI	**China GB**	**Sweden SS**	**Poland PN**	**Czechia CSN**	**Inter ISO**
35CrNiMo6 35NiCrMo6KB	34CrNi3Mo 34CrNiMo ZG34CrNiMo	2541	34HNM	16342 16343 16344	36CrNiMo6