WN 1.0037 or DIN St37

1. Chemical Composition

C	Mn	P	S	N
≤ 0.17	≤ 1.4	≤ 0.045	≤0.045	≤ 0.009

2. Mechanical Properties

Yield stress (Mpa)	UTS (MPa)	Elongation (%)	A (%)	Impact E (J)	Hardness (HB)
Min 225	340-510	Min 15	Min 23	Min 27	140-245

3. Heat Treatment

Row	Heat treatment type	Temp. Range °C
1	Normalizing	-
2	Annealing	-
3	Quenching	-
4	Tempering	-
5	Hot Work	-

4. Applicable Standards

EU EN	USA UNS	Japan JIS	France AFNOR	England BS	Russia GOST
Fe42B1FN	K02702	STKM12A	S235JR	S235JR	St3ps
Italy UNI	**China GB**	**Sweden SS**	**Poland PN**	**Czechia CSN**	**Inter ISO**
Fe360B	Q255A	1311	St3S	11443	-