



1. Guideboard of other standards

DIN	EN 10027-1	EN 10027-2	EN 10025:90	GOST
RSt37-2	S235JRG2	1.0038	Fe360BFN	St2ps

2. Chemical composition (heat analysis) in %

C	Mn	Si	P	S	N	Al
max. 0,170			max. 0,045	max. 0,045	max. 0,009	

3. Mechanical properties

Mechanical properties	Execution	
	heat untreated	normalized
Tensile strength R_m [MPa]		
Yield point R_e [MPa]		
Ductility A_{10} [%]		

4. Steel characterization and examples of usage

Parts of constructions and machines with a medium thickness produced by the fusion welding, statically and dynamically stressed. Parts produced from sheets and forged parts for heat-power equipments according to the CSN 42 0090 and pressure vessels according to the CSN 69 0010 working at a limited gauge pressure and a temperature under 300°C.