



1. Guideboard of other standards

DIN	EN 10027-1	EN 10027-2	EN 10025:90	GOST
USt37-2	S235JRG1	1.0036	Fe360BFU	St2kp

2. Chemical composition (heat analysis) in %

C	Mn	Si	P	S	N	Al
max. 0,170			max. 0,045	max. 0,045	max. 0,007	

3. Mechanical properties

Mechanical properties	Execution	
	heat untreated	normalized
Tensile strength R_m [MPa]	min. 370	min. 350
Yield point R_e [MPa]	min. 250	min. 220
Ductility A_{10} [%]	min. 7	min. 20

4. Steel characterization and examples of usage

Plain carbon structural steel suitable for parts of constructions and machines with a medium thickness, fusion welded, statically stressed, possibly even lightly dynamically stressed. Forge welded parts. Suitable for less stressed welded pipes and branch pipes, weir constructions and dished, flat and high-pressure flanged bottoms.