



### 1. Guideboard of other standards

DIN	EN 10027-1	EN 10027-2	EN 10025:90	GOST
St37-3				St3Sp

### 2. Chemical composition (heat analysis) in %

C	Mn	Si	P	S	N	Al
max. 0,160			max. 0,040	max. 0,040		min. 0,020

### 3. Mechanical properties

Mechanical properties	Execution	
	heat untreated	normalized
Tensile strength $R_m$ [MPa]	360 - 470	
Yield point $R_e$ [MPa]	min. 235	
Ductility $A_{10}$ [%]		

### 4. Steel characterization and examples of usage

Welded bridge and crane constructions and machina parts. Parts of heat-power equipments and pressure vessels working at limited gauge pressure and at temperature under 300 °C. Thin sheets for stamping.