



### 1. Guideboard of other standards

DIN	EN 10027-1	EN 10027-2	EN 10025:90	GOST
USt34-2				

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

C	Mn	Si	P	S	N	Al
max. 0,01	max. 0,045			max. 0,045	max. 0,007	

### 3. Mechanical properties

Mechanical properties	Execution	
	heat untreated	normalized
Tensile strength $R_m$ [MPa]	min. 320	min. 300
Yield point $R_e$ [MPa]	min. 200	min. 180
Ductility $A_{10}$ [%]	min. 8	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. Pressed products of little size such as clasps, furniture and building fittings, rulers etc. Various formed and welded parts such as insertion pieces, stirrups, split pins, shanks, pins etc. Tubes for general use.