

Mechanical Properties

Steel group	Tensile Strength	Yield Limit	Elongation
	N/mm²	N/mm²	min (%)
St37.0, St37.4, S235, P195, P235, P275, E235, OLT35, C10E, C15E, 1010	350÷480	min 235	25
St44.0, St44.4, S275, P265, E 275, OLT45, 1020	420÷550	min 275	21
St52.0, St52.4, S355, E355, Tu52-b, P265, P355, Fe510, OL52.3,1022	500÷650	min 355	21
C45, C35E, OLT65, 1035, 1045	min 580	min 305	16
16MnCr5	HB =max 207 (Delivery status: Annealed)		
4140, 42CrMo4	HRB =max 85 (Delivery status: Annealed)		
4130	HRB =max 81 (Delivery status: Annealed)		
20MnV6, E470	min 600	min 430	17