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## Bolts chemical properties

Class properties	Material and treatment	Chemical constitution (inspection analysis) % (m/m)				Allowable temperature	
		C		P	S	B	°C
		min	max	max	max	max	min
<b>3.6</b>	Carbon steel	-	0,20	0,05	0,06	0,003	-
<b>4.6</b>		-	0,55	0,05	0,06	0,003	-
<b>4.8</b>		0,13	0,55	0,05	0,06	0,003	-
<b>5.6</b>		-	0,55	0,05	0,06		
<b>5.8</b>							
<b>6.8</b>							
<b>8.8</b>	Carbon steel with alloy additives (exp.B, Mn or Cr) quenched and tempered	0,15	0,40	0,035	0,035	0,003	425
	Carbon steel quenched and tempered	0,25	0,55	0,035	0,035		
<b>9.8</b>	Carbon steel with alloy additives (exp.B, Mn or Cr) quenched and tempered	0,15	0,35	0,035	0,035	0,003	425
	Carbon steel quenched and tempered	0,25	0,55	0,035	0,035		
<b>10.9</b>	Carbon steel with alloy additives (exp.B, Mn or Cr) quenched and tempered	0,15	0,35	0,035	0,035	0,003	340
<b>10.9</b>	Carbon steel quenched and tempered	0,25	0,55	0,035	0,035	0,003	425
	Carbon steel with alloy additives (exp.B, Mn or Cr) quenched and tempered	0,20	0,55	0,035	0,035		
	Carbon steel quenched and tempered	0,20	0,55	0,035	0,035		
<b>12.9</b>	Carbon steel quenched and tempered	0,28	0,50	0,035	0,035	0,003	380