

ISO 898-1:2013

Property Class	Material and heat treatment	Chemical composition limit %					Tempering temperature °C min.
		min.	C max.	P max.	S max.	B max.	
4.8	Carbon steel with or without additives	-	0.55	0.050	0.060	-	-
8.8	Carbon steel quenched and tempered	0.25	0.55	0.025	0.025	0.003	425
	Carbon steel with additives (eg. Boron or Mn or Cr) quenched and tempered	0.15	0.40	0.025	0.025	0.003	425
	Alloy steel quenched and tempered	0.20	0.55	0.025	0.025	0.003	425
10.9	Carbon steel quenched and tempered	0.25	0.55	0.025	0.025	0.003	425
	Carbon steel with additives (eg. Boron or Mn or Cr) quenched and tempered	0.20	0.55	0.025	0.025	0.003	425
	Alloy steel quenched and tempered	0.20	0.55	0.025	0.025	0.003	425
12.9	Alloy steel quenched and tempered	0.30	0.50	0.025	0.025	0.003	425

