

CARBON STEEL
METRIC HEX BOLTS

PROPERTY CLASS	MATERIAL	CHEMICAL COMPOSITION (%)					TEMPERING TEMPERATURE °C
		C		P	S	B	
		MIN	MAX	MAX	MAX	MAX	MIN
4.6	Carbon Steel or Carbon Steel with additives	-	0.55	0.050	0.060	Not Specified	-
4.8	Carbon Steel or Carbon Steel with additives	-	0.55	0.050	0.060	Not Specified	-
5.6	Carbon Steel or Carbon Steel with additives	0.13	0.55	0.050	0.060	Not Specified	-
5.8	Carbon Steel or Carbon Steel with additives	-	0.55	0.050	0.060	Not Specified	-
6.8	Carbon Steel or Carbon Steel with additives	0.15	0.55	0.050	0.060	Not Specified	-
8.8	Carbon Steel with Additives Quenched and Tempered	0.15	0.40				425
	Carbon Steel Quenched and Tempered	0.25	0.55	0.025	0.025	0.003	
	Alloy Steel Quenched and Tempered	0.20	0.55				
9.8	Carbon Steel with Additives Quenched and Tempered	0.15	0.40				425
	Carbon Steel Quenched and Tempered	0.25	0.55	0.025	0.025	0.003	
	Alloy Steel Quenched and Tempered	0.20	0.55				
10.9	Carbon Steel with Additives Quenched and Tempered	0.20	0.55				425
	Carbon Steel Quenched and Tempered	0.25	0.55	0.025	0.025	0.003	
	Alloy Steel Quenched and Tempered	0.20	0.55				
12.9	Alloy Steel Quenched and Tempered	0.30	0.50				425
	Carbon Steel Quenched and Tempered	0.28	0.50	0.025	0.025	0.003	380

Reference ISO 898.1:2013

Note: This is an extract from the standard. Some slight variations to the above are allowed as per ISO 898.1:2013

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