

CARBON STEEL

UNC/UNF HEX BOLTS

GRADE DESIGNATION	NOMINAL SIZE DIAMETER (inches)	MATERIAL	CHEMICAL COMPOSITION (%)						TEMPERING TEMPERATURE °C
			C		P	S	B		
			MIN	MAX	MAX	MAX	MIN	MAX	MIN
1	1/4 thru 1-1/2	Low or Medium Carbon Steel	-	0.55	0.025	0.025	-	-	-
2	1/4 thru 1-1/2	Low or Medium Carbon Steel	0.15	0.55	0.025	0.025	-	-	-
4	1/4 thru 1-1/2	Medium Carbon Steel	0.28	0.55	0.025	0.13	-	-	-
5	1/4 thru 1-1/2	Medium Carbon Steel	0.25	0.55	0.025	0.025	-	-	425
		Carbon Steel with Additives	0.15	0.40	0.025	0.025	0.0005	0.003	425
8	1/4 thru 1-1/2	Carbon Steel with Additives	0.25	0.55	0.025	0.025	-	0.003	425
		Medium Carbon Steel	0.25	0.55	0.025	0.025	-	-	425
		Alloy Steel	0.25	0.55	0.025	0.025	-	-	425

Reference SAE J429 2014