

STAINLESS STEEL

UNC/UNF HEX BOLTS

CHEMICAL COMPOSITION %												
Alloy Group	UNS Designation	Austenitic Alloy	C	Mn	P	S	Si	Cr	Ni	Cu	Mo	OTHER
			MAX	MAX	MAX	MAX	MAX	RANGE	RANGE	RANGE	MAX	MIN
1	S30300	303	0.15	2.00	0.20	0.15 (Min)	1.00	17.0-19.0	8.0-10.0	-	0.60	-
1	S30323	303SE	0.15	2.00	0.20	0.06	1.00	17.0-19.0	8.0-10.0	-	-	Se 0.15
1	S30400	304	0.08	2.00	0.045	0.03	1.00	18.0-20.0	8.0-10.5	1.00 (Max)	-	-
1	S30403	304L	0.03	2.00	0.045	0.03	1.00	18.0-20.0	8.0-12.0	1.00 (Max)	-	-
1	S30500	305	0.12	2.00	0.045	0.03	1.00	17.0-19.0	10.0-13.0	1.00 (Max)	-	-
1	S38400	384	0.08	2.00	0.045	0.03	1.00	15.0-17.0	17.0-19.0	-	-	-
1	S20300	XM1	0.08	5.0-6.5	0.040	0.18-0.35 (Range)	1.00	16.0-18.0	5.0-6.5	1.75-2.25	0.50	-
1	S30430	18-9LW	0.10	2.00	0.045	0.03	1.00	17.0-19.0	8.0-10.0	3.0-4.0	-	-
1	S30433	302HQ	0.03	2.00	0.045	0.03	1.00	17.0-19.0	8.0-10.0	3.0-4.0	-	-
1	-	304J3	0.08	2.00	0.045	0.03	1.00	17.0-19.0	8.0-10.5	1.00-3.00	-	-
2	S31600	316	0.08	2.00	0.045	0.03	1.00	16.0-18.0	10.0-14.0	-	2.00-3.00	-
2	S31603	316L	0.03	2.00	0.045	0.03	1.00	16.0-18.0	10.0-14.0	-	2.00-3.00	-
3	S32100	321	0.08	2.00	0.045	0.03	1.00	17.0-19.0	9.0-12.0	-	-	Ti 5×C
3	S34700	347	0.08	2.00	0.045	0.03	1.00	17.0-19.0	9.0-13.0	-	-	Nb 10×C

Reference ASTM F593 2024