

STAINLESS STEEL

UNC/UNF HEX BOLTS

STAINLESS STEEL GROUP	CONDITION	ALLOY MECHANICAL PROPERTY MARKING	NOMINAL DIAMETER	FULL SIZE TESTS			MACHINED SPECIMEN TESTS		
				TENSILE STRENGTH (KSI)	YIELD STRENGTH (ksi)	ROCKWELL HARDNESS	TENSILE STRENGTH (KSI)	YIELD STRENGTH (ksi)	ELONGATION
			RANGE	RANGE	MIN	RANGE	MIN	MIN	MIN
1	AF	F593A	1/4 -11/2	65-85	20	B85 (MAX)	60	20	40
1	A	F593B	1/4 -11/2	75-100	30	B65-95	70	30	30
1	CW1	F593C	1/4 -5/8	100-150	65	B95-C32	95	60	20
1	CW2	F593D	3/4 -11/2	85-140	45	B80-C32	80	40	25
1	SH1	F593A	1/4 -5/8	120-160	95	C24-C36	115	90	12
1	SH2	F593B	3/4-1	110-150	75	C20-C32	105	70	15
1	SH3	F593C	11/8-11/4	100-140	60	B95-C30	95	55	20
1	SH4	F593D	13/8-11/2	95-130	45	B90-C28	90	40	28
2	AF	F593E	1/4 -11/2	65-85	20	B85 (MAX)	60	20	40
2	A	F593F	1/4 -11/2	75-100	30	B65-95	70	30	30
2	CW1	F593G	1/4-5/8	100-150	65	B95-C32	95	60	20
2	CW2	F593H	3/4 -11/2	85-140	45	B80-C32	80	40	25
2	SH1	F593E	1/4 -5/8	120-160	95	C24-C36	115	90	12
2	SH2	F593F	3/4-1	110-150	75	C20-C32	105	70	15
2	SH3	F593G	11/8-11/4	100-140	60	B95-C30	95	55	20
2	SH4	F593H	13/8-11/2	95-130	45	B90-C28	90	40	28
3	AF	F593J	1/4 -11/2	65-85	20	B85 (MAX)	60	20	40
3	A	F593K	1/4 -11/2	75-100	30	B65-95	70	30	30
3	CW1	F593L	1/4-5/8	100-150	65	B95-C32	95	60	20
3	CW2	F593M	3/4 -11/2	85-140	45	B80-C32	80	40	25
3	SH1	F593J	1/4 -5/8	120-160	95	C24-C36	115	90	12
3	SH2	F593K	3/4-1	110-150	75	C20-C32	105	70	15
3	SH3	F593L	11/8-11/4	100-140	60	B95-C30	95	55	20
3	SH4	F593M	13/8-11/2	95-130	45	B90-C28	90	40	28

Reference ASTM F593 2024

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