

Products // Threaded Rod

Classification & Mechanical Requirements for Bolting and Studs*

Material	Tensile Strength KSI	Yield KSI	Elongation in 2" Min KSI	Reduction of Area Min %
A307 Grade A Steel (Low Carbon)	60 min	-	18	-
F1554-Grade 36 Steel (Domestic)	58-80	36	21	40
F1554-Grade 55 Steel (Domestic)	75-95	55	23	30
A193 B-7 Medium Carbon Steel (1/4" - 2")	125 min	105	16	50
F593 C - 304 Stainless (1/4" to 5/8")	100-150	65	20	-
F593 D - 304 Stainless (3/4" to 1 1/2")	85-140	45	25	-
F593 G - 316 Stainless (1/4" to 5/8")	100-150	65	20	-
F593 H - 316 Stainless (1/4" to 5/8")	85-140	45	25	-

*Chart based on most recent data published by ASTM

Recommended Nuts*

Anchor Bolt Grade + Size*	Size	Grade	Style	Grade	Style
36	1/4"-1 1/2"	A	Hex	A	Hex
	Over 1 1/2"	A	Hex Style	A	Hex Style
55	1/4"-1 1/2"	A	Hex	A	Hex Style
	Over 1 1/2"	A	Hex Style	A	Hex Style
105	1/4"-1 1/2"	D	Hex	DH	Hex Style
	Over 1 1/2"	DH	Hex Style	DH	Hex Style

*Recommended nuts per ASTM F1554 Section 6.6.1