



STAINLESS STEEL FASTENERS

ROCKSIDE
EXPORT LIMITED

Standard Specification : Bolts & Nuts AISI 304,316,316L
 Material : Stainless Steel
 Strength Grade : A2-70, A2-80, A4-70, A4-80 etc.
 Surface Finish : Natural

AISI	BS	EN	CHEMICAL COMPOSITION					Mechanical Properties			REMARKS
			C MAX	CR MIN	Ni MIN	Mo MIN	OTHERS MIN	Proof Strength	Tensile Strength	Elongation	
304	304S31	1.4301	0.07	18	8			210-260	520-750	45	Most commonly used Stainless Steel. Good Corrosion resistance and It has excellent forming and welding characteristics.
304L	-	1.4306	0.03	18	10			200-250	500-670	45	the low carbon version of 304, does not require post-weld annealing and so is extensively used in heavy gauge components
316	316S31	1.4401	0.07	17	11	2		220-270	520-680	40	this stainless steels offer excellent corrosion resistance in organic, acid, industrial and marine environments. The non-magnetic properties combined with exceptionally high toughness at all temperatures make these steels an excellent selection for many applications
316L	316S11	1.4404	0.03	17	11	2		220-270	520-680	40	Low carbon version of 316 which is extensively used in food processing and Marine Industries.
316	316S33	1.4436	0.05	17	11	2.5		220-270	500-730	40	Extensively used in Marine Application.
316Ti	320S31	1.4571	0.08	17	11	2	0.5Ti	220-270	520-690	40	Addition of Titanium makes this steel impervious to intergranular corrosion. Widely used in high temp application.
310	310S24	1.4845	0.1	25	20						It is particularly useful at elevated temperature application like furnace part, heat exchanger, internal combustion engines etc.
318	318S13	1.4462	0.03	22	4.5	3	0.1N	500	750	35	Duplex Stainless Steel 2205. This steel is widely used in offshore and subsea application.