



ASTM A453 660A/B/C/D Stud Bolt Set

Usage: Oil & Gas engineering, petro-chemical engineering, power station, offshore engineering, nuclear engineering, heavy machinery, skyscraper etc.



Technical Parameter

Grade	Class	Mechanical Properties								
		Tensile Strength, min		Yield Strength, min, 0.2 % offset		Elongation in 4D, min, %	Reduction of Area, min, %	Brinell Hardness Number	Approximate Rockwell Hardness, B and C	
		Ksi	MPa	Ksi	MPa				min	max
ASTM A453 660	A,B,C	130	895	85	585	15	18	248-341	24 HRC	37 HRC
	D			105	725					35 HRC
ASTM A453 651	A	100	690	70 ^A	485	18	35	217-277	95 HRB	29 HRC
				60 ^B	415					
ASTM A453 662	B	95	655	60 ^A	415	18	35	212-269	93HRB	28 HRC ^C
				50 ^B	345					
ASTM A453 665	A	130	895	85	585	15	18	248-231	24 HRC	35 HRCC
	B			125	860					
ASTM A453 668	A	170	1170	120	830	12	15	311-388	32 HRC	41 HRC
	B			155	1070					
ASTM A453 668	A,B	130	895	85	858	15	18	248-341	24 HRC	37 HRC

