

Data sheet

ASTM A453/A453M GR 660

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INTERNATIONAL EQUIVALENT CODES

Europe
EN
x6CrNiTiMoVB25-15-2

Italia
UNI

Germania	
DIN	W.n.
	1.4980

UK
B.S.

USA	
ASTM	UNS
A453 660	S66286

CHEMICAL REQUIREMENTS (Composition , percent)

C	Mn	Max Phosph	Max Sulfur	Si	Cr	Nickel	Mo	Copper	Niobium	Titanium	Vanadium	Max Al	Nitrogen	Boron
0.08 max	2.0max	0.04	0.03	1.00max	13.5-16.0	24.0-27.0	1.00-1-50	--	--	1.90-2.35	0.10-0.50	0.35	--	0.001-0.010

MECHANICAL REQUIREMENTS

		Tens.strength, min		Yield Strength, min, 0,2% offset		Elongation 4D, min , %		Reduction of Area,min,%		Approx Rockwll Hardness B-C		Brinell Hardness Number	
		ksi	Mpa	ksi	Mpa					min	max		
Class A,B and C		130	895	85	585	15		18		24 HRC	37 HRC	248-341	
D	≤ 2.1/2"-63,5 mm	130	895	105	725	15		18		24 HRC	35 HRC	248-321	
D	>2.1/2"-63,5 mm	130	895	95	655	15		18		24 HRC	35 HRC	248-321	

China manufacturer of ASTM A453 grade 660 Stud bolt Grade 660 Hex nuts

ASTM A453 grade 660 is a low-carbon nickel-chromium-molybdenum-titanium-vanadium-boron alloy steel that is known for its excellent mechanical properties and resistance to corrosion. As a result, this material is used for the production of various critical components in high-temperature and high-pressure environments.