

ASME SA516 Gr 70 steel plate/sheet

Under ASME standard, we can regard A516 Gr 70 [steel plate/sheet](#) for simple pressure vessels steel. ASTM A516 Gr 70 steel sheet is an excellent choice for service in lower than ambient temperature applications, has excellent notch toughness and is used in both [pressure vessels](#) and industrial boilers. ASTM A516 Gr 70/ ASME SA516 Grade 70 offers greater tensile and yield strength when compared to ASTM A516 Gr65 /ASME SA516 Gr65 and can operate in even lower temperature service.

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Delivery Condition

AR(As Hot Rolled), N(Normalized), T(Tempered), Q(Quenched), TMCP, Q+T(Quenched and Tempered), UT(Ultrasonic Test:ASTM A435,ASTM A578-C/B/A,EN10160-S0E1,S1E2,S2E3,S3E4), Impact Test, PWHT(Post Weld Heat Treatment), HIC, Z Test(Z15, Z25, Z35)

Chemical Composition of ASME SA516 Grade 70

chemical composition					
Elements		Grade 55(380)	Grade 60(415)	Grade 65(450)	Grade 70(485)
C	≤1/2in.(12.5mm)	0.18	0.21	0.24	0.27
	>1/2in.-2in.(>12.5mm-50mm)	0.20	0.23	0.26.	0.28
	>2in.-4in.(>50mm-100mm)	0.22	0.25	0.28	0.30
	>4in.-8in.(>100mm-200mm)	0.24	0.27	0.29	0.31
	>8in.(>200mm)	0.26	0.27	0.29	0.31
Mn	≤1/2in.(12.5mm)Melting analysis	0.60-0.90	0.60-0.90	0.85-1.20	0.85-1.20
	Finished product analysis	0.55-0.98	0.55-0.98	0.79-1.30	0.79-1.30
P	>1/2in. (12.5mm)Melting analysis	0.60-1.20	0.85-1.20	0.85-1.20	0.85-1.20
	Finished product analysis	0.55-1.30	0.79-1.30	0.79-1.30	0.79-1.30
S	max	0.035	0.035	0.035	0.035
Si	max	0.035	0.035	0.035	0.035
	Melting analysis	0.15-0.40	0.15-0.40	0.15-0.40	0.15-0.40
	Finished product analysis	0.13-0.45	0.13-0.45	0.13-0.45	0.13-0.45



Mechanical Properties of ASME SA516Gr70

	Grade 55(380)	Grade 60(415)	Grade 65(450)	Grade 70(485)
Tensile Strength/Ksi	55-75	60-80	65-85	70-90
Tensile Strength/MPa	380-515	415-550	450-585	485-620
Yield Strength/Ksi(MPa) Min	30 (205)	32 (220)	35 (240)	38 (260)
Elongation/8in.(200mm) Min	23	21	19	17
Elongation/2in.(50mm) Min	27	25	23	21

Steel products delivery guarantee:

1. According to the standard of container shipment.
2. Steel packaging is moistureproof and abrasionproof.
3. The ship is low safety risk, arrives quickly, and delivery in time.



Steel Plate Stock Information

Type	Materials	Specification	Size information	Quality control
Hot rolled steel plate	SA516Gr70-PWHT	100*2000*3000	Double-length	Authentic
Hot rolled steel plate	SA516Gr70-PWHT	16*1600*6000	Double-length	Authentic
Hot rolled steel plate	SA516Gr70-PWHT	18*1800*6560	Double-length	Authentic
Hot rolled steel plate	SA516Gr70-PWHT	18*2600*5300	Double-length	Authentic
Hot rolled steel plate	SA516Gr70-PWHT	21*1940*6825	Double-length	Authentic
Hot rolled steel plate	SA516Gr70-PWHT	23*1200*6000	Double-length	Authentic
Hot rolled steel plate	SA516Gr70-PWHT	23*2400*4500	Single length	Authentic
Hot rolled steel plate	SA516Gr70-PWHT	24*1200*7000	Double-length	Authentic
Hot rolled steel plate	SA516Gr70-PWHT	24*1330*6110	Single length	Authentic
Hot rolled steel plate	SA516Gr70-PWHT	24*1330*7100	Single length	Authentic
Hot rolled steel plate	SA516Gr70-PWHT	26*3010*11000	Double-length	Authentic
Hot rolled steel plate	SA516Gr70-PWHT	29*2200*4500	Double-length	Authentic
Hot rolled steel plate	SA516Gr70-PWHT	35*1600*6000	Double-length	Authentic
Hot rolled steel plate	SA516Gr70-PWHT	35*1700*3900	Double-length	Authentic
Hot rolled steel plate	SA516Gr70-PWHT	38*3100*9000	Double-length	Authentic
Hot rolled steel plate	SA516Gr70-PWHT	40*1000*6000	Double-length	Authentic
Hot rolled steel plate	SA516Gr70-PWHT	90*2000*3000	Double-length	Authentic
Hot rolled steel plate	SA516Gr70N-HIC	10*1800*5500	Double-length	Authentic
Hot rolled steel plate	SA516Gr70N-HIC	12*3060*5800	Four trimming	Authentic
Hot rolled steel plate	SA516Gr70N-HIC	16*1600*6000	Double-length	Authentic
Hot rolled steel plate	SA516Gr70N-HIC	20*3200*7400	Four trimming	Authentic
Hot rolled steel plate	SA516Gr70N-HIC	22*1600*6000	Four trimming	Authentic
Hot rolled steel plate	SA516Gr70N-HIC	22*2840*5680	Double-length	Authentic
Hot rolled steel plate	SA516Gr70N-HIC	26*3480*6960	Double-length	Authentic
Hot rolled steel plate	SA516Gr70N-HIC	30*3015*14250	Double-length	Authentic
Hot rolled steel plate	SA516Gr70N-HIC	32*2000*7400	Four trimming	Authentic
Hot rolled steel plate	SA516Gr70N-HIC	36*1550*5500	Double-length	Authentic
Hot rolled steel plate	SA516Gr70N-HIC	8*1700*6500	Trimming	Authentic
Hot rolled steel plate	SA516Gr70	10*2430*6000	Four trimming	Authentic
Hot rolled steel plate	SA516Gr70	10*2480*6330	Four trimming	Authentic
Hot rolled steel plate	SA516Gr70	10*2900*9000	Four trimming	Authentic
Hot rolled steel plate	SA516Gr70	12*2000*5900	Trimming	Authentic
Hot rolled steel plate	SA516Gr70	12*2900*6400	Double-length	Authentic
Hot rolled steel plate	SA516Gr70	12*3130*6300	Double-length	Authentic
Hot rolled steel plate	SA516Gr70	13*2160*7430	Double-length	Authentic
Hot rolled steel plate	SA516Gr70	13*2650*11000	Single length	Authentic
Hot rolled steel plate	SA516Gr70	13*3020*7430	Double-length	Authentic
Hot rolled steel plate	SA516Gr70	14*1700*8500	Double-length	Authentic
Hot rolled steel plate	SA516Gr70	150*1350*4000	Double-length	Authentic
Hot rolled steel plate	SA516Gr70	18*1340*5900	Double-length	Authentic

Hot rolled steel plate	SA516Gr70	18*1350*5900	Double-length	Authentic
Hot rolled steel plate	SA516Gr70	18*1650*7000	Double-length	Authentic
Hot rolled steel plate	SA516Gr70	18*1800*5600	Trimming	Authentic
Hot rolled steel plate	SA516Gr70	18*2000*10000	Trimming	Authentic
Hot rolled steel plate	SA516Gr70	18*2000*7000	Trimming	Authentic
Hot rolled steel plate	SA516Gr70	18*2000*7000	Double-length	Protocol products
Hot rolled steel plate	SA516Gr70	18.5*1944*7644	Double-length	Authentic
Hot rolled steel plate	SA516Gr70	19*3000*11600	Double-length	Authentic
Hot rolled steel plate	SA516Gr70	20*2700*10200	Four trimming	Authentic
Hot rolled steel plate	SA516Gr70	21*2400*7700	Double-length	Authentic
Hot rolled steel plate	SA516Gr70	21*2500*10200	Single length	Authentic
Hot rolled steel plate	SA516Gr70	23.7*2770*5550	Four trimming	Authentic
Hot rolled steel plate	SA516Gr70	24*2730*7700	Single length	Authentic
Hot rolled steel plate	SA516Gr70	32*1600*7400	Double-length	Authentic
Hot rolled steel plate	SA516Gr70	35*2000*6000	Trimming	Authentic
Hot rolled steel plate	SA516Gr70	60*2000*6750	-	Authentic
Hot rolled steel plate	SA516Gr70	8*2200*10000	Four trimming	Authentic
Hot rolled steel plate	SA516Gr65N-HIC	14*2320*7880	Double-length	Authentic
Hot rolled steel plate	SA516Gr65N-HIC	23*2200*6000	Double-length	Authentic
Hot rolled steel plate	SA516Gr65	13*2250*6900	Four trimming	Authentic
Hot rolled steel plate	SA516Gr65	20*2000*10000	Double-length	Authentic
Hot rolled steel plate	SA516Gr65	26*1800*5000	Trimming	Authentic
Hot rolled steel plate	SA516Gr65	32*1800*5000	Trimming	Authentic
Hot rolled steel plate	SA516Gr65	8*2000*7960	Trimming	Authentic
Hot rolled steel plate	SA516Gr60(HIC)	16*2500*4050	Four trimming	Authentic
Hot rolled steel plate	SA516Gr60	13*2000*6000	Double-length	Authentic
Hot rolled steel plate	SA516Gr60	14*1800*7090	Double-length	Authentic
Hot rolled steel plate	SA516Gr60	14*2500*8000	Double-length	Authentic
Hot rolled steel plate	SA516Gr60	18*2780*8000	Double-length	Authentic
Hot rolled steel plate	SA516Gr60	20*1870*5720	Double-length	Authentic
Hot rolled steel plate	SA516Gr60	25*2000*6000	Double-length	Authentic
Hot rolled steel plate	SA516Gr60	8*2450*7000	Double-length	Authentic
Hot rolled steel plate	SA516Gr60	8*2600*7000	Double-length	Authentic
Hot rolled steel plate	SA516Gr60	8*2700*6400	Double-length	Authentic
Hot rolled steel plate	SA516Gr60	8*2700*6400	Double-length	Authentic
Hot rolled steel plate	SA516Gr60	8*2850*6300	Double-length	Authentic
Hot rolled steel plate	SA516Gr415+HIC	42*1800*6000	Four trimming	Authentic
Hot rolled steel plate	SA516-70N	14*2000*7600	Four trimming	Authentic
Hot rolled steel plate	SA516-70N	56*1600*4250	Four trimming	Authentic
Hot rolled steel plate	ASTM A516Gr70	50*1880*5880	-	Authentic
Hot rolled steel plate	ASTM A516Gr70	50.8*1900*12000	-	Authentic
Hot rolled steel plate	A516Gr70Z35	30*3000*11150	Double-length	Authentic

Hot rolled steel plate	A516Gr70Z35	30*3160*6350	Double-length	Authentic
Hot rolled steel plate	A516Gr70	10*3000*6800	Double-length	Authentic
Hot rolled steel plate	A516Gr70	10*3250*6700	Double-length	Authentic
Hot rolled steel plate	A516Gr70	12.5*2200*12000	Four trimming	Authentic
Hot rolled steel plate	A516Gr70	12.7*1600*6000	Double-length	Authentic
Hot rolled steel plate	A516Gr70	15.7*2190*12300	Four trimming	Authentic
Hot rolled steel plate	A516Gr70	16*1500*10500	Double-length	Authentic
Hot rolled steel plate	A516Gr70	19*2500*12000	Double-length	Authentic
Hot rolled steel plate	A516Gr70	20*1600*5200	Double-length	Authentic
Hot rolled steel plate	A516Gr70	20*1830*6096	Double-length	Authentic
Hot rolled steel plate	A516Gr70	96*2000*5000	Double-length	Authentic
Hot rolled steel plate	A516Gr65-HIC	10*2000*8000	Double-length	Authentic
Hot rolled steel plate	A516Gr65-HIC	14*1700*8100	Double-length	Authentic
Hot rolled steel plate	A516Gr65-HIC	38*1800*6500	Double-length	Authentic
Hot rolled steel plate	A516Gr65(1)	18*2340*11000	Four trimming	Authentic
Hot rolled steel plate	A516Gr60	13*1500*6500	Double-length	Authentic
Hot rolled steel plate	A516Gr60	13*1800*10880	Double-length	Authentic
Hot rolled steel plate	A516Gr60	13*1800*11000	Double-length	Authentic
Hot rolled steel plate	A516Gr60	16*1600*5900	Double-length	Authentic
Hot rolled steel plate	A516Gr60	25*1500*4000	Double-length	Authentic
Hot rolled steel plate	A516Gr60	32*2000*5000	Double-length	Authentic
Hot rolled steel plate	A516Gr60	35*2000*10000	Double-length	Authentic
Hot rolled steel plate	A516Gr60	40*1500*4000	Double-length	Authentic
Hot rolled steel plate	A516Gr60	8*1800*6000	Double-length	Authentic
Hot rolled steel plate	A516Gr.70	38*1480*12020	Four trimming	Authentic
Hot rolled steel plate	A516 Gr.70	11*2000*9000	Four trimming	Authentic
Hot rolled steel plate	A516 Gr.70	15*2000*12000	Four trimming	Authentic
Hot rolled steel plate	A516 Gr.70	15*2200*10600	Four trimming	Authentic
Hot rolled steel plate	A516 Gr.70	15*2400*10600	Four trimming	Authentic

Other SA516/A516 series steel:

[ASME SA516 Gr.65/ASTM A516 Gr.65](#) [ASME SA516 Gr.55/ASTM A516 Gr.55](#)

[ASME SA516 Gr.60/ASTM A516 Gr.60](#)[ASME SA516 Gr.70/ASTM A516 Gr.70](#)

Related Products

Standard: [EN ASTM SAE API DIN JIS](#)

Alloy structural steel plate	Colour coated steel sheet/coil	Oil pipeline steel plate/coil
Boiler and pressure vessel steel	Cr-Mo steel plate	HIC steel plate
Bridge building steel plate	High strength steel plate	Shipbuilding and ocean platform steel
Carbon structural steel plate	Low-alloy high-strength steel plate	Stainless steel plate/sheet
Corrosion-resistant steel plate	Mold steel plate	Wear-resistant steel plate Abrasion
Nuclear power steel plate		