

ASTM A589

- Production Standard of ASTM A589
- Dimensions and Sizes of ASTM A589
- Chemical Composition of ASTM A589
- Mechanical Properties Tensile Strength and Yield Strength of ASTM A589



● Production Standard of ASTM A589

● ASTM A589

Our ASTM A589/A589M Steel Pipes are meticulously crafted to meet stringent specifications and tailored to ensure optimal performance in water wells. We offer a range of sizes to suit your specific needs, with production procedures including open-hearth, electric furnace, or basic-oxygen processes to ensure the highest quality of steel. Available in various grades, our pipes provide specific benefits in terms of strength and durability, with different surface coatings to protect against corrosion and wear. We offer both plain end and threaded and coupled end types for easy installation and secure connections, with joint methods designed for durability and leak-proof performance. Additionally, we provide machining services to customize your pipes according to your specific requirements.

● Dimensions and Sizes of ASTM A589

Outside Diameter	Wall Thickness
(mm)	(mm)
Drive Pipe	
Drive Pipe	

168.3	7.11		
219.1	7.04	8.18	8.99
273.1	7.09	7.8	9.27
323.9	8.38	9.53	
355.6	9.53		
406.4	9.53		
Water-Well Reamed and Drifted Pipe			
33.4	3.38		
42.2	3.56		
48.3	3.68		
60.3	3.91	4.24	
73	5.16		
88.9	5.49		
101.6	5.74		
114.3	6.02		
141.3	6.55		
168.3	7.11		
219.1	8.18		
273.1	9.271		
323.9	9.525		
Driven Well Pipe			
33.4	3.38		
42.16	3.56		
48.26	3.68		
60.33	3.91		
Water-Well Casing			
88.9	3.18		
101.6	3.4		
114.3	3.61		
139.7	3.91		
152.4	4.17		
168.3	4.7		
219.1	4.78		

●Chemical Composition of ASTM A589

Chemical Composition	
Element	Composition, %
Phosphorus, max	0.05
Sulfur, max	0.06

●Mechanical Properties Tensile Strength and Yield Strength of ASTM A589

Tensile Requirements			
	Butt Welded	Grade A	Grade B
Tensile strength, min, psi (MPa)	48 000 (330)	48 000 (330)	60 000 (415)
Yield strength, min, psi (MPa)	30 000 (205)	30 000 (205)	35 000 (240)