

SS 216L, TYPE 216L, XM-18, UNS S21603, AISI 216L, ASTM XM-18

Introduction :

Aesteiron continues to expand its product line in UNS S21603 to meet the emerging customer needs, and whereas Aesteiron Steels Pvt. Ltd. is ISO 9001 : 2008 Certified, ASPL has a great Projects in this grade in all parts of the world with renowned suppliers presenting the wide range of services. We pride ourselves in the quality of our products, our competitive pricing and our exceptional customer service. We have been recognized for our outstanding customer service in satisfaction surveys of top- ranked mills in india and all over the world. ASPL, with iron and steel as its main business, manufactures premium steel products with high technologies and a high added value and fosters three major product categories, namely carbon steel, stainless steel and special steel. Through our worldwide marketing network, these premium products not only satisfy the demand on the domestic market but are also exported to more than forty countries and regions in Asia, Africa, Europaand America, extensively applied to various. We are a highly qualified by our customers worldwide as a sustainable and trustwothy to meet their requestand need at the right time and the right time and the right area. We strive and stand committed to maintain this respectable position by catering to the requirements of our customers in the best possible way leaving no room for complaints.

Chemical Composition

	SS 216L	TYPE 216L	XM - 18	UNS S21603	AISI 216L	ASTM XM-18
Carbon	0.03 max	0.03 max	0.03 max	0.03 max	0.03 max	0.03 max
Manganese	7.5-9.0	7.5-9.0	7.5-9.0	7.5-9.0	7.5-9.0	7.5-9.0
Phosphorus	0.045 max	0.045 max	0.045 max	0.045 max	0.045 max	0.045 max
Sulfur	0.030 max	0.030 max	0.030 max	0.030 max	0.030 max	0.030 max
Silicon	1.00max	1.00max	1.00max	1.00max	1.00max	1.00max
Chromium	17.5-22.0	17.5-22.0	17.5-22.0	17.5-22.0	17.5-22.0	17.5-22.0
Nickel	7.5-9.0	7.5-9.0	5.0-7.0	5.0-7.0	5.0-7.0	5.0-7.0
Nitrogen*	0.25-0.50	0.25-0.50	0.25-0.50	0.25-0.50	0.25-0.50	0.25-0.50
Molybdenum	2.00-3.00	2.00-3.00	2.00-3.00	2.00-3.00	2.00-3.00	2.00-3.00
Iron	55.395-65.25	55.395-65.25	55.395-65.25	55.395-65.25	55.395-65.25	55.395-65.25

Mechanical Properties

	SS 216L	TYPE 216L	XM - 18	UNS S21603	AISI 216L	ASTM XM-18
Ultimate Tensile Strength (Mpa) psi	690 (100000)	690 (100000)	690 (100000)	690 (100000)	690 (100000)	690 (100000)
Yield Strength(Mpa)psi	415 (60200)	415 (60200)	415 (60200)	415 (60200)	415 (60200)	415 (60200)
Elongation in 2 inches, %	40 min	40 min	40 min	40 min	40 min	40 min
Reduction in Area, %	-	-	-	-	-	-
Hardness, Rockwell B	100 max	100 max	100 max	100 max	100 max	100 max

Standard Available in forms :

- ASTM A182/ ASME SA182 Stainless Steel Pipe Fittings
- ASTM A213 / ASME SA213 Seamless Stainless Steel Pipes
- ASTM A240/ ASME SA240 Stainless Steels Sheets / Plates
- ASTM A249/ ASME SA249 Stainless Steel Welded Tubes
- ASTM A269/ ASME SA269 Stainless Steel Tubes
- ASTM A270/ ASME SA270 Stainless Steel Sanitary Tubes
- ASTM A312/ ASME SA312 Stainless Steel Pipes

Products Available in forms :

- SS 216L, TYPE 216L, XM-18, UNS S21603 Plates
- SS 216L, TYPE 216L, XM-18, UNS S21603 Pipes
- SS 216L, TYPE 216L, XM-18, UNS S21603 Round Bar
- SS 216L, TYPE 216L, XM-18, UNS S21603 Tube
- SS 216L, TYPE 216L, XM-18, UNS S21603 Flanges
- SS 216L, TYPE 216L, XM-18, UNS S21603 Wire
- SS 216L, TYPE 216L, XM-18, UNS S21603 Fittings

- ASTM A403/ ASME SA403 Stainless Steel Pipe Fittings
- ASTM A554/ ASME SA554 Stainless Steel Welded Tubes
- ASTM A731/ ASME SA731 Stainless Steel Pipes
- ASTM A789/ ASME SA789 Stainless Steel Tubes
- ASTM A790/ ASME SA790 Stainless Steel Pipes
- ASTM A791/ ASME SA791 Stainless Steel Tubes



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