

# Type 422, WNR 1.4935, UNS S42200, AISI 616, Grade 616, ALLOY 422

## Introduction :

Aesteiron continues to expand its product line in UNS S42200 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, Europa and America, extensively applied to various. We are a highly qualified by our customers worldwide as a sustainable and trustworthy to meet their request and 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 422	TYPE 422	WNR 1.4935	UNS S42200	AISI 616	GRADE 616	ALLOY 422
Carbon	0.20-0.25	0.20-0.25	0.20-0.25	0.20-0.25	0.20-0.25	0.20-0.25	0.20-0.25
Manganese	1.00max	1.00max	1.00max	1.00max	1.00max	1.00max	1.00max
Molybdenum	0.75-1.25	0.75-1.25	0.75-1.25	0.75-1.25	0.75-1.25	0.75-1.25	0.75-1.25
Chromium	12.0-14.0	12.0-14.0	12.0-14.0	12.0-14.0	12.0-14.0	12.0-14.0	12.0-14.0
Silicon	1.00max	1.00max	1.00max	1.00max	1.00max	1.00max	1.00max
Sulfur	0.03max	0.03max	0.03max	0.03max	0.03max	0.03max	0.03max
Nickel	0.40-1.00	0.40-1.00	0.40-1.00	0.40-1.00	0.40-1.00	0.40-1.00	0.40-1.00
Tungsten	0.75-1.25	0.75-1.25	0.75-1.25	0.75-1.25	0.75-1.25	0.75-1.25	0.75-1.25
Vanadium	0.20-0.50	0.20-0.50	0.20-0.50	0.20-0.50	0.20-0.50	0.20-0.50	0.20-0.50
Phosphorus	0.04max	0.04max	0.04max	0.04max	0.04max	0.04max	0.04max

## Mechanical Properties

	SS 422	TYPE 422	WNR 1.4935	UNS S42200	AISI 616	GRADE 616	ALLOY 422
Tensile Strength Mpa (min)	897	897	897	897	897	897	897
0.2% Yield Strength Mpa(min)	207	207	207	207	207	207	207
Elongation %	15	15	15	15	15	15	15
Reduction in Area, %	-	-	-	-	-	-	-
Hardness, Rockwell B	95max	95max	95max	95max	95max	95max	95max

## 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  
 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

## Products Available in forms :

- Type 422, WNR 1.4935, UNS S42200 Plates
- Type 422, WNR 1.4935, UNS S42200 Pipes
- Type 422, WNR 1.4935, UNS S42200 Round Bar
- Type 422, WNR 1.4935, UNS S42200 Tube
- Type 422, WNR 1.4935, UNS S42200 Flanges
- Type 422, WNR 1.4935, UNS S42200 Wire
- Type 422, WNR 1.4935, UNS S42200 Fittings

© 2016-17. The content on this website is owned by Registrant of domain [www.aesteiron.com](http://www.aesteiron.com) , Do not copy any content (including images) without prior written consent. Manufacturer, Stockholder, Suppliers, Traders, Wholesaler, Dealer, Distributor, Importer, Exporter, Stockiest of Alloy Steel Pipe Tubes, Stainless Steel Pipe Tube & Carbon Steel Pipe Tube



## Applications

- Aircraft parts
- Steam and gas turbine components
- High heat components
- Rotors



"Aesteiron House", 107, Kika Street, 4th Floor, Gulalwadi, Mumbai - 400 004, India.

[info@aesteiron.com](mailto:info@aesteiron.com)

[www.aesteiron.com](http://www.aesteiron.com)

© 2016-17. The content on this website is owned by Registrant of domain [www.aesteiron.com](http://www.aesteiron.com) , Do not copy any content (including images) without prior written consent. Manufacturer, Stockholder, Suppliers, Traders, Wholesaler, Dealer, Distributor, Importer, Exporter, Stockiest of Alloy Steel Pipe Tubes, Stainless Steel Pipe Tube & Carbon Steel Pipe Tube