



A106 Gr.B Pipes & Tubes



Web: www.victorsteel.net

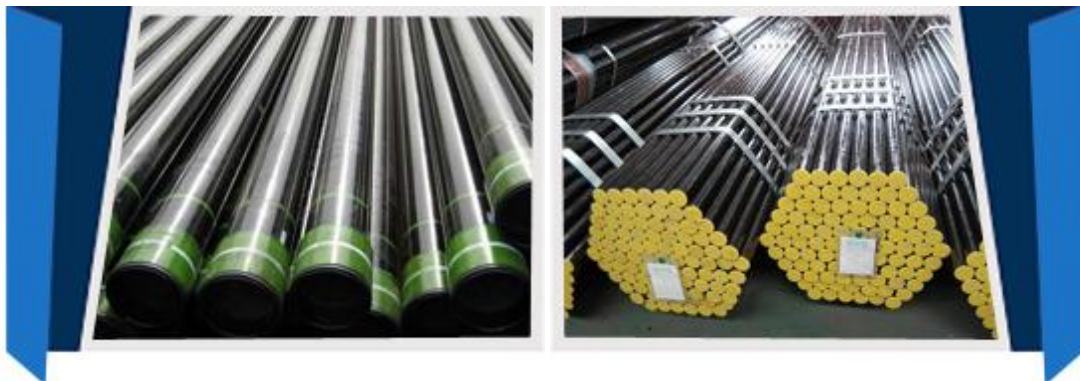
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Introduction

Victor Steel Corporation is a prominent name in manufacturing and exporting of high quality of API & Carbon Steel Seamless Pipes & Tubes in India. Victor Steel Corporation offers a commendable range of **API & A106 Gr.B Pipes** Tubes for the prestigious clients with competitive price, we at Victor Steel Corporation have the manufacturing capability & production flexibility to respond to the most dynamic & complex needs of our customers

A106 Gr.B Pipes & Tubes



ASTM A106 GR. A / GR. B / GR. C Seamless Carbon Steel Pipes

ASTM A106 Seamless Pressure Pipe (also known as ASME SA106 pipe) is commonly used in the construction of oil and gas refineries, power plants, petrochemical plants, boilers, and ships where the piping must transport fluids and gasses that exhibit higher temperatures and pressure levels.

This specification covers seamless carbon steel pipe for high-temperature service

Sizes (Seamless): 1/2" NB - 60" NB

Sizes (ERW): 1/2" NB - 24" NB

Sizes (SAW): 16" NB - 100" NB

Wall Thickness available:

Schedule 20 - Schedule XXS (heavier on request) up to 250 mm thk.

Material Grades

High Temperature Seamless Pipe	ASTM A106 Gr. B/C, API 5L Gr. B, ASTM A53 Gr. B
Heat Exchanger Seamless Tube	ASTM A179
Low Temperature Seamless Pipe	ASTM A333 Gr. 3/6
Low Temperature Seamless Tube	ASTM A334 Gr. 6
High Yield Seamless Pipe	API 5L Gr. X42/X46/X52/X56/X60/X65/X70/X80 PSL-1/PSL-2
High Yield Seamless Pipe	ISO 3183 Gr.L245, L290, L320, L360, L390, L415, L450, L485
Atmospheric & Low Temp EFW Pipes	ASTM A671 Gr. CC60/CC65/CC70
High Pressure & Moderate Temp EFW Pipes	ASTM A672 Gr. B60/B65/B70/C55/C60/C65/C70
High Yield ERW/SAW Pipe	API 5L Gr. X42/X46/X52/X56/X60/X65/X70/X80 PSL-1/PSL-2
High Yield ERW/SAW Pipe	ISO 3183 Gr.L245, L290, L320, L360, L390, L415, L450, L485

Additional Testing :

NACE MR0175, NACE TM0177, NACE TM0284, HIC TEST, SSC TEST, H2 SERVICE, IBR, etc.

Dimensions :

All Pipe is manufactured and inspected/tested to the relevant standards including ASTM, ASME, API.

Chemical Composition ASTM A106 Carbon Steel Pipes Grades

	Grade A	Grade B	Grade C	Total of Cr, Cu, Mo, Ni, and V shall not
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Carbon max. %	0.25	0.30	0.35	exceed 1%
Manganese %	0.27 to 0.93	0.29 to 1.06	0.29 to 1.06	
Phosphorous, max. %	0.035	0.035	0.035	
Sulfur, max. %	0.035	0.035	0.035	
Silicon, min.%	0.10	0.10	0.10	
Chrome, max. %	0.40	0.40	0.40	
Copper, max. %	0.40	0.40	0.40	
Molybdenum, max. %	0.15	0.15	0.15	
Nickel, max. %	0.40	0.40	0.40	
Vanadium, min.%	0.08	0.08	0.08	

Permissible Variations in Wall Thickness

The minimum wall thickness at any point shall not be more than 12.5% under the nominal wall thickness specified.

Permissible Variations in Weights per Foot Weight of any length shall not vary more than 10% over and 3.5% under that specified. NOTE -- NPS 4 and smaller -- weighed in lots. Larger sizes shall be weighed separately by length. Permissible Variations in Outside Diameter

Outside Diameter at any point shall not vary from standard specified more than:

NPS [DN Designator]	Over		Under	
	in.	mm	in.	mm

1/8 to 1-1/2 [6 to 40], incl	1/64 (0.015)	0.4	1/64 (0.015)	0.4
Over 1-1/2 to 4 [40 to 100], incl	1/32 (0.031)	0.8	1/32 (0.031)	0.8
Over 4 to 8 [100 to 200], incl	1/16 (0.062)	1.6	1/32 (0.031)	0.8
Over 8 to 18 [200 to 450], incl	3/32 (0.093)	2.4	1/32 (0.031)	0.8
Over 18 to 26 [450 to 650], incl	1/8 (0.125)	3.2	1/32 (0.031)	0.8
Over 26 to 34 [650 to 859], incl	5/32 (0.156)	4.0	1/32 (0.031)	0.8
Over 34 to 48 [850 to 1200], incl	3/16 (0.187)	4.8	1/32 (0.031)	0.8

Tensile Requirements

	Seamless		
	Grade A	Grade B	Grade C
Tensile Strength, min., psi	48,000	60,000	70,000
Yield Strength, min., psi	30,000	35,000	40,000

Number of Tests Required

	NPS	On One Length from Each Lot of
Tensile	5 and smaller	400 or less
	6 and larger	200 or less
Bending	2 and smaller	400 or less

Flattening	2 through 5	400 or less
	6 and over	200 or less

Hydrostatic Testing

Inspection test pressures produce a stress in the pipe wall equal to 60% of specified minimum yield strength (SMYS) at room temperature. Maximum Pressures are not to exceed 2500 psi for NPS3 and under 2800 psi for the larger sizes. Pressure is maintained for not less than 5 seconds.

Mechanical Tests Specified

Tensile Test -- NPS 8 and larger -- either transverse or longitudinal acceptable

Smaller than NPS 8 -- weighed in lots. Larger sizes -- by length.

Flattening Test -- NPS 2-1/2 and larger.

Bending Test (Cold) -- NPS 2 and under.

	Degree of Bend	Diameter of Mandrel
For Normal A106 Uses	90	12 x nom dia. of pipe
For Close Coiling	180	8 x nom dia. of pipe

A106 Grade B Carbon Steel Seamless Pipe Sizes Available in Stock with Price

1/2" NB in Thickness Schedule 20, Schedule 30, Schedule STD, Schedule 40, Schedule 60, Schedule 80, Schedule 100, Schedule 120, Schedule 160, Schedule XXS in A106 Grade B / A53 Grade B / API 5L Grade B / X42,x46,x52,x56,x60,x70,x80

3/4" NB in Thickness Schedule 20, Schedule 30, Schedule STD, Schedule 40, Schedule 60, Schedule 80, Schedule 100, Schedule 120, Schedule 160, Schedule XXS in A106 Grade B / A53 Grade B / API 5L Grade B / X42,x46,x52,x56,x60,x70,x80

1" NB in Thickness Schedule 20, Schedule 30, Schedule STD, Schedule 40, Schedule 60, Schedule 80, Schedule 100, Schedule 120, Schedule 160, Schedule XXS in A106 Grade B / A53 Grade B / API 5L Grade B / X42,x46,x52,x56,x60,x70,x80

We export **A106 Grade B Carbon Steel Seamless Pipe** to Singapore, Malaysia, Saudi Arabia, Indonesia, Vietnam & Nigeria etc.

Victor Steel Corporation is a well known worldwide exporter of **A106 Grade B Carbon Steel Seamless Pipe**, **Victor Steel Corporation** is committed to provide each and every customer with the highest standard of customer service. We deals in **A106 Grade B Carbon Steel Seamless Pipe** in India & Overseas, offering a wide range of **A106 Grade B Carbon Steel Seamless Pipe**.

CONTACT US

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