



ArcelorMittal

Tubular Products  
Jubail

“Entrepreneurship is  
a state of mind”

Lakshmi N. Mittal  
President and Chief Executive Officer



# Values

## Sustainability

We are guiding the evolution of steel tubes to secure the best future for the industry and for generations to come. Our commitment to the world around us extends beyond the bottom line, to include the people in whom we invest, the communities we support and the world in which we operate. This long-term approach is central to our business philosophy.

## Quality

ArcelorMittal's Tubular Products Division holds approvals, certificates and licenses from major national and international official authorities, customers and third-party organizations. By working closely with our customers, we ensure that our pipes and tubes meet all customer specific requirements. Sharing best practice and technical expertise across our business enables us to be on top of the latest market developments and offer competitive solutions to our customers.

## Leadership

We are visionary thinkers, creating opportunities every day. This entrepreneurial spirit brought us to the forefront of the steel pipes and tubes industry. We are concentrating on doing what we do best: combining the strengths of our plants around the world and leveraging our presence in individual markets, creating new opportunities worldwide, and expanding our product base to fulfill our customers' demands. In this way the Tubular Products Division of ArcelorMittal has rapidly established itself as a major player in the industry. Together we are creating a truly modern, efficient and technologically advanced pipes and tubes business.

One in three wind turbines in the world uses ArcelorMittal steel.





# About ArcelorMittal

## At a glance

With 119 million tonnes of annual production capacity and 245,000 employees across 60 countries, ArcelorMittal is the world's leading steel and mining company. We are the leader in all major global steel markets, with leading research and development and technology, as well as sizeable captive supplies of raw materials and outstanding distribution networks. With an industrial presence in more than 22 countries spanning five continents, the company covers all of the key steel markets, from emerging to mature.

## Our approach

Our core philosophy is to produce safe, sustainable steel. In doing so, our top priority is safety and our goal is to be the world's safest steel and mining company. As a company, we are committed to our promise of 'transforming tomorrow'. Guiding us in this are our values of sustainability, quality and leadership.

## Our structure

ArcelorMittal has grown through the acquisition of numerous steelmaking and other assets, which constitute our major operating subsidiaries. The group is divided into six operating segments: Flat Carbon Americas, Flat Carbon Europe, Long Carbon Americas and Europe, AACIS (Asia, Africa, Commonwealth of Independent States), Mining and Distribution Solutions. All operating subsidiaries belong to one of these segments.

## A listed company

ArcelorMittal is listed on the stock exchanges of New York (under the trading symbol MT), Amsterdam (MT), Paris (MT), Luxembourg (MT), Barcelona (MTS), Bilbao (MTS), Madrid (MTS) and Valencia (MTS).



# Tubular Products

The Tubular Products Division of ArcelorMittal is one of the world's largest and most diversified producers of pipes and tubes, servicing markets around the world from 22 different operating locations in 12 different countries.

We produce and market virtually the full spectrum of tubular products in an unparalleled range of sizes. With our seamless, spiral welded and longitudinal welded small and large outside diameter products, our company is active in the Energy, Mechanical and Automotive markets.

ArcelorMittal operates pipes and tubes production facilities on five continents: Europe, Asia, Africa, North and South America, with an annual manufacturing capacity of 3 million metric tons and revenues in excess of \$2 billion. We employ nearly 8,000 employees worldwide and most recently developed a "state of the art" seamless pipe mill in Saudi Arabia. Our goal is to provide the leadership that will transform tomorrow's steel tubes industry.

We combine our integrated industrial sites, our global research & development centres and our international sales network to service our customers by providing high quality and high performance products for increasingly complex operating conditions.







# Health & Safety

Our ambition is to be the safest company in our sector.

Our first priority is the health and safety of those who work for us. Our 'Journey to Zero' campaign aims to reduce the number of workplace accidents. We have also implemented occupational health standards covering hazards such as substance abuse, burns, heat stress and respiratory and hearing protection. Employee training and development are also crucial to our success.





# ArcelorMittal Jubail

ArcelorMittal Jubail is a new state of the art seamless tube mill in Saudi Arabia designed and built to serve the fast growing energy producing markets of Saudi Arabia, the Middle East, North Africa and beyond.

The Jubail facility is a joint venture between ArcelorMittal, the global leader in the integrated steel and mining sector, and the Al-Tanmiah Industrial and Commercial Investment Company.

With designed capacity of more than 600 th. tonnes per annum, Jubail is prepared to produce a full range of products suited for the upstream, midstream and downstream energy markets, as well as for industrial and process applications. Our goal is to provide the best in class quality, reliability, value and innovation to our local and international customers.

## Key facts:

- Total area under cover is 130 th. square metres (1.4 million square feet).
- Total employment at full operation is 670.
- Proximity to Jubail seaport is 25km for international shipments.

## About our presence in the Middle East

ArcelorMittal Jubail is located in a new industrial city founded by the Royal Commission of Jubail and Yanbu (RCJY) in the Eastern Province of the Kingdom of Saudi Arabia. The location of Jubail 2 Industrial City, adjacent to major land and sea transportation hubs, ensures customers of an efficient supply chain.

ArcelorMittal Tubular Products operates an integrated industrial network of pipe manufacturing facilities in Europe, Africa, Asia, North and South America. We run our business on a global scale, leveraging our local presence in key markets and expanding and upgrading our portfolio of tubular applications to serve the energy industry.

# Technology

ArcelorMittal Jubail features the most sophisticated seamless tube-making technology in the world "Premium Quality Finishing (PQF®)" supplied by SMS Meer of Germany, a global leader in seamless production technology.

With PQF at its heart, ArcelorMittal Jubail has top of the line state-of-the-art technology in all other production and finishing equipment. Beginning with billet reheat furnace technology from Tenova LOI of Italy, right on through the threading machines manufactured by PMC – Colinet in Belgium and the USA, ArcelorMittal Jubail features technology to create a high quality premium product.

The tube making process begins with the cross-roll piercer transforming the red hot billet into a hollow...passing next into the multi-stand PQF® mill – a process based on the mandrel

principle and containing a series of hydraulically adjustable 3-roll stands. Following extraction and reheating, the final tube dimensions are achieved in a 12-stand sizing mill. ArcelorMittal Jubail's production is optimized by SMS Meer's CARTA® Technology System (Computer Aided Rolling Technology Application) that continually adjusts roll positions and speed settings on the basis of live production data, as well as process and computation models. Further precision is achieved by the robot- controlled LASUS® system that utilizes ultrasonic pulses to continuously monitor wall thicknesses throughout the rolling.



The advanced technology of ArcelorMittal Jubail ensures our customers of:

- Uniform pipe wall thickness rolled to close tolerance
- Improved pipe straightness and surface quality
- Even temperature distribution during rolling guaranteeing product consistency
- Efficient use of non-renewable energy resources thanks to reduced need for reheating

Comprehensive in-line heat treating, testing, finishing and packing modules enable the smooth flow of materials through the plant ensuring reliable quality and dependable deliveries.

The products of our Jubail facility are rigorously and comprehensively tested and inspected prior to shipment. Our on-site, state of the art laboratory and our seasoned technical professionals are backed by the global research and development capabilities of ArcelorMittal, and the combined expertise of all the seamless mills in the Energy group of ArcelorMittal Tubular Products.



# Our Commitment to Saudi Arabia and the Middle East Region

Our promise of providing safe, sustainable steel means more than just operating with the latest technology.

ArcelorMittal Jubail draws upon the brainpower and expertise found within the Kingdom of Saudi Arabia and abroad from the global network of ArcelorMittal.

We endeavour to be a model employer and respected citizen of the Eastern Province by fostering a workplace environment of continuous learning and opportunity, and by empowering our employees with the skills and tools necessary to meet and exceed the requirements of our customers.

As part of our commitment to the local community, we have a strong plan for Saudization. ArcelorMittal Jubail is dedicated to develop partnerships with local universities and institutes to support training and development of local talents. Our goal is to engage with the community through our alliances with local businesses and community stakeholders in the Kingdom of Saudi Arabia and Middle East.





## Investing in our people

We aim to give our employees every chance to flourish in their careers and grow as part of a global company. At ArcelorMittal Jubail, we believe that an organisation is only as successful as the people within it. We believe in supporting, developing and rewarding those who work for us, at every level. Just as we lead the way in our specialist fields, we also aim to pioneer when it comes to giving our employees every chance to develop their careers and grow as part of the worldwide ArcelorMittal family. We take learning and development seriously; our training and leadership academies are run in conjunction with our own ArcelorMittal University.



# Corporate Responsibility

Having a clear corporate responsibility strategy is fundamental in an industry that can potentially cause adverse effects to the environment and local communities.

Corporate responsibility is central to our business strategy. Our reputation for responsible and ethical business practice is vital to our ability to operate successfully in the different countries and cultures in which we work, in developing countries, and the established markets of Europe and North America.

Everything we do has to reflect and respect those local circumstances. That said, it is important to have a strong global framework, so that what we do is consistent and builds our overall reputation. Our corporate responsibility strategy focuses on four areas: investing in our people; making steel more sustainable; enriching our communities and, a value that underpins the first three areas, transparent governance.





## Making steel more sustainable

While steel makes a vital contribution to renewable technology – we need to ensure that our industrial processes and products are as environmentally sensitive as possible. We are committed to reducing the environmental impact of our operations through cutting-edge research into new technologies and working with the wider steel industry to promote best practice.



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# Tubular Products Division Jubail

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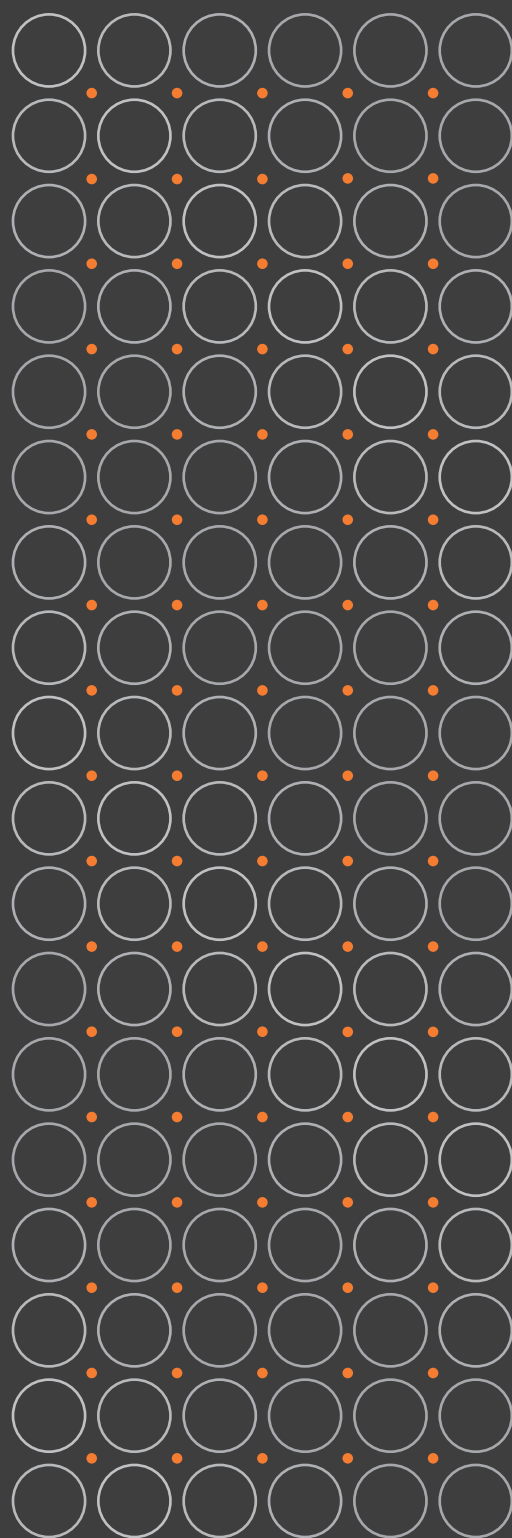
Tubular Products Division of ArcelorMittal



# ArcelorMittal Jubail Product Capabilities



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# Seamless Casing (API 5CT):

Outside Diameter		Wall Thickness		Nominal Weight of Threaded Pipe with Coupling		Available Length	Available End Finishes P = Plain End; S = Short Thread; L = Long Thread; B = Buttress Thread										
INCH	MM	INCH	MM	PPF	KG. / MTR.		Range	H40	J55 K55	M65	L80 R95	N80-Q & Type 1	C90 T95	C110	P110	Q125	
4 1/2	114.30	0.205	5.21	9.50	14.15	R-3	P, S	P, S	P, S								
		0.224	5.69	10.50	15.64	R-3		P, S, B	P, S, B								
		0.250	6.35	11.60	17.28	R-3		P, S, L, B	P, L, B	P, L, B	P, L, B	P, L, B	P, B	P, L, B			
		0.290	7.37	13.50	20.11	R-3			P, L, B	P, L, B	P, L, B	P, L, B	P, B	P, L, B			
		0.337	8.56	15.10	22.49	R-3									P, L, B	P, L, B	
5	127.00	0.220	5.59	11.50	17.13	R-3		P, S	P, S								
		0.253	6.43	13.00	19.36	R-3		P, S, L, B	P, S, L, B								
		0.296	7.52	15.00	22.34	R-3		P, S, L, B	P, L, B	P, L, B	P, L, B	P, L, B	P, B	P, L, B			
		0.362	9.19	18.00	26.81	R-3			P, L, B	P, L, B	P, L, B	P, L, B	P, B	P, L, B	P, L, B		
		0.437	11.10	21.40	31.88	R-3			P, L, B	P, L, B	P, L, B	P, L, B	P, B	P, L, B	P, L, B	P, L, B	
		0.478	12.14	23.20	34.56	R-3				P, L, B	P, L, B	P, L, B	P, B	P, L, B	P, L, B	P, L, B	
5 1/2	139.70	0.244	6.20	14.00	20.85	R-3	P, S	P, S	P, S								
		0.275	6.99	15.50	23.09	R-3		P, S, L, B	P, S, L, B								
		0.304	7.72	17.00	25.32	R-3		P, S, L, B	P, L, B	P, L, B	P, L, B	P, L, B	P, B	P, L, B			
		0.361	9.17	20.00	29.79	R-3			P, L, B	P, L, B	P, L, B	P, L, B	P, B	P, L, B			
		0.415	10.54	23.00	34.26	R-3			P, L, B	P, L, B	P, L, B	P, L, B	P, B	P, L, B			
		0.500	12.70	26.80	39.92	R-3							P	P, B			P, L, B
		0.562	14.27	29.70	44.24	R-3							P	P, B			
		0.625	15.88	32.60	48.56	R-3							P	P, B			
		0.687	17.45	35.30	52.58	R-3							P	P, B			
		0.750	19.05	38.00	56.60	R-3							P	P, B			
		0.812	20.62	40.50	60.32	R-3							P	P, B			
		0.875	22.23	43.10	64.20	R-3							P	P, B			
6 5/8	168.28	0.288	7.32	20.00	29.79	R-3	P, S	P, S, L, B	P, S, L, B								
		0.352	8.94	24.00	35.75	R-3		P, S, L, B	P, L, B	P, L, B	P, L, B	P, L, B	P, B	P, L, B			
		0.417	10.59	28.00	41.71	R-3			P, L, B	P, L, B	P, L, B	P, L, B	P, B	P, L, B			
		0.475	12.07	32.00	47.66	R-3				P, L, B	P, L, B	P, L, B	P, B	P, L, B	P, L, B		
7	177.80	0.272	6.91	20.00	29.79	R-3	P, S	P, S	P, S								
		0.317	8.05	23.00	34.26	R-3		P, S, L, B	P, L, B	P, L, B	P, L, B	P, L, B					
		0.362	9.19	26.00	38.73	R-3		P, S, L, B	P, L, B	P, L, B	P, L, B	P, L, B	P, B	P, L, B			
		0.408	10.36	29.00	43.20	R-3			P, L, B	P, L, B	P, L, B	P, L, B	P, B	P, L, B			
		0.453	11.51	32.00	47.66	R-3			P, L, B	P, L, B	P, L, B	P, L, B	P, B	P, L, B			
		0.498	12.65	35.00	52.13	R-3				P, L, B	P, L, B	P, L, B	P, B	P, L, B	P, L, B		
		0.540	13.72	38.00	56.60	R-3				P, L, B	P, L, B	P, L, B	P, B	P, L, B	P, L, B	P, L, B	
		0.625	15.88	42.70	63.60	R-3							P	P, B			
		0.687	17.45	46.40	69.11	R-3							P	P, B			
		0.750	19.05	50.10	74.62	R-3							P	P, B			
		0.812	20.62	53.60	79.84	R-3							P	P, B			
0.875	22.23	57.10	85.05	R-3							P	P, B					
7 5/8	193.68	0.300	7.62	24.00	35.75	R-3	P, S										
		0.328	8.33	26.40	39.32	R-3		P, S, L, B	P, S, L, B	P, L, B	P, L, B	P, L, B	P, B				
		0.375	9.53	29.70	44.24	R-3			P, L, B	P, L, B	P, L, B	P, L, B	P, B	P, L, B			
		0.430	10.92	33.70	50.20	R-3			P, L, B	P, L, B	P, L, B	P, L, B	P, B	P, L, B			
		0.500	12.70	39.00	58.09	R-3				P, L, B	P, L, B	P, L, B	P, B	P, L, B	P, L, B		

# Seamless Casing (API 5CT):

Outside Diameter		Wall Thickness		Nominal Weight of Threaded Pipe with Coupling		Available Length Range	Available End Finishes P = Plain End; S = Short Thread; L = Long Thread; B = Buttress Thread								
INCH	MM	INCH	MM	PPF	KG. / MTR.		H40	J55 K55	M65	L80 R95	N80-Q & Type 1	C90 T95	C110	P110	Q125
		0.562	14.27	42.80	63.75	R-3				P, L, B	P, L, B	P, L, B	P, B	P, L, B	P, L, B
		0.595	15.11	45.30	67.47	R-3				P, L, B	P, L, B	P, L, B	P, B	P, L, B	P, L, B
		0.625	15.88	47.10	70.16	R-3				P, L, B	P, L, B	P, L, B	P, B	P, L, B	P, L, B
		0.687	17.45	51.20	76.26	R-3						P	P, B		
		0.750	19.05	55.30	82.37	R-3						P	P, B		
8 5/8	219.08	0.264	6.71	24.00	35.75	R-3		P, S	P, S						
		0.304	7.72	28.00	41.71	R-3	P, S		P, S						
		0.352	8.94	32.00	47.66	R-3	P, S	P, S, L, B	P, S, L, B						
		0.400	10.16	36.00	53.62	R-3		P, S, L, B	P, S, L, B	P, L, B	P, L, B	P, L, B	P, B		
		0.450	11.43	40.00	59.58	R-3			P, L, B	P, L, B	P, L, B	P, L, B	P, B	P, L, B	
		0.500	12.70	44.00	65.54	R-3				P, L, B	P, L, B	P, L, B	P, B	P, L, B	
		0.557	14.15	49.00	72.99	R-3				P, L, B	P, L, B	P, L, B	P, B	P, L, B	P, L, B
9 5/8	244.48	0.312	7.92	32.30	48.11	R-3	P, S								
		0.352	8.94	36.00	53.62	R-3	P, S	P, S, L, B	P, S, L, B						
		0.395	10.03	40.00	59.58	R-3		P, S, L, B	P, S, L, B	P, L, B	P, L, B	P, L, B	P, B		
		0.435	11.05	43.50	64.79	R-3			P, L, B	P, L, B	P, L, B	P, L, B	P, B	P, L, B	
		0.472	11.99	47.00	70.01	R-3			P, L, B	P, L, B	P, L, B	P, L, B	P, B	P, L, B	P, L, B
		0.545	13.84	53.50	79.69	R-3				P, L, B	P, L, B	P, L, B	P, B	P, L, B	P, L, B
		0.595	15.11	58.40	86.99	R-3				P, L, B	P, L, B	P, L, B	P, B	P, L, B	P, L, B
		0.609	15.47	59.40	88.48	R-3						P	P, B		
		0.672	17.07	64.90	96.67	R-3						P	P, B		
		0.734	18.64	70.30	104.71	R-3						P	P, B		
		0.797	20.24	75.60	112.61	R-3						P	P, B		
10 3/4	273.05	0.350	8.89	40.50	60.32	R-3	P, S	P, S, B	P, S, B						
		0.400	10.16	45.50	67.77	R-3		P, S, B	P, S, B						
		0.450	11.43	51.00	75.96	R-3		P, S, B	P, S, B	P, S, B	P, S, B	P, S, B	P, B	P, S, B	
		0.495	12.57	55.50	82.67	R-3			P, S, B	P, S, B	P, S, B	P, S, B	P, B	P, S, B	
		0.545	13.84	60.70	90.41	R-3						P, S, B	P, B	P, S, B	P, S, B
		0.595	15.11	65.70	97.86	R-3						P, S, B	P, B	P, S, B	P, S, B
		0.672	17.07	73.20	109.03	R-3						P	P, B		
		0.734	18.64	79.20	117.97	R-3						P	P, B		
		0.797	20.24	85.30	127.05	R-3						P	P, B		
11 3/4	298.45	0.333	8.46	42.00	62.56	R-3	P, S								
		0.375	9.53	47.00	70.01	R-3		P, S, B	P, S, B						
		0.435	11.05	54.00	80.43	R-3		P, S, B	P, S, B						
		0.489	12.42	60.00	89.37	R-3		P, S, B	P, S, B	P, S, B	P, S, B	P, S, B	P, B	P, S, B	P, S, B
		0.534	13.56	65.00	96.82	R-3				P	P	P	P, B	P	P
		0.582	14.78	71.00	105.75	R-3				P	P	P	P, B	P	P
13 3/8	339.72	0.330	8.38	48.00	71.50	R-3	P, S	P, S, B	P, S, B						
		0.380	9.65	54.50	81.18	R-3		P, S, B	P, S, B						
		0.430	10.92	61.00	90.86	R-3		P, S, B	P, S, B						
		0.480	12.19	68.00	101.29	R-3		P, S, B	P, S, B	P, S, B	P, S, B	P, S, B	P, B	P, S, B	P, S, B
		0.514	13.06	72.00	107.24	R-3				P, S, B	P, S, B	P, S, B	P, B	P, S, B	P, S, B
		0.514	13.06	86.00	128.10	R-3				P		P		P	P

# Seamless Tubing (API 5CT):

Outside Diameter		Wall Thickness		Nominal Weight of Threaded Pipe with Coupling				Available Length	Available End Finishes P = Plain End; N = Non-Upset Threaded and Coupled; U = External Upset Threaded and Coupled							
				Non Upset T&C		External Upset T&C			Range	H40	J55	L80 R95	N80-Q & Type 1	C90	T95	P110
INCH	MM	INCH	MM	PPF	KG. / MTR.	PPF	KG. / MTR.									
2 3/8	60.32	0.167	4.24	4.00	5.96			R-2	P, N	P, N	P, N	P, N	P, N	P, N		
		0.190	4.83	4.60	6.85	4.70	6.99	R-2	P, N, U	P, N, U	P, N, U	P, N, U	P, N, U	P, N, U	P, N, U	P, N, U
		0.254	6.45	5.80	8.64	5.95	8.85	R-2			P, N, U	P, N, U	P, N, U	P, N, U	P, N, U	P, N, U
		0.295	7.49	6.60	9.83			R-2			P		P	P		
2 7/8	73.02	0.217	5.51	6.40	9.53	6.50	9.67	R-2	P, N, U	P, N, U	P, N, U	P, N, U	P, N, U	P, N, U	P, N, U	P, N, U
		0.276	7.01	7.80	11.62	7.90	11.76	R-2			P, N, U	P, N, U	P, N, U	P, N, U	P, N, U	P, N, U
		0.308	7.82	8.60	12.81	8.70	12.95	R-2			P, N, U	P, N, U	P, N, U	P, N, U	P, N, U	P, N, U
		0.340	8.64	9.35	13.93	9.45	14.06	R-2			P, U		P, U	P, U		
		0.392	9.96	10.50	15.64			R-2			P		P	P		
		0.440	11.18	11.50	17.13			R-2			P		P	P		
3 1/2	88.90	0.216	5.49	7.70	11.47			R-2	P, N	P, N	P, N	P, N	P, N	P, N	P, N	
		0.254	6.45	9.20	13.70	9.30	13.84	R-2	P, N, U	P, N, U	P, N, U	P, N, U	P, N, U	P, N, U	P, N, U	P, N, U
		0.289	7.34	10.20	15.19			R-2	P, N	P, N	P, N	P, N	P, N	P, N		
		0.375	9.52	12.70	18.92	12.95	19.27	R-2			P, N, U	P, N, U	P, N, U	P, N, U	P, N, U	P, N, U
		0.430	10.92	14.30	21.30			R-2			P		P	P		
		0.476	12.09	15.50	23.09			R-2			P		P	P		
		0.530	13.46	17.00	25.32			R-2			P		P	P		
4	101.60	0.226	5.74	9.50	14.15			R-2	P, N	P, N	P, N	P, N	P, N	P, N		
		0.262	6.65	10.70	15.94	11.00	16.37	R-2	P, U	P, U	P, U	P, U	P, U	P, U	P, U	
		0.330	8.38	13.20	19.66			R-2			P		P	P		
		0.415	10.54	16.10	23.98			R-2			P		P	P		
		0.500	12.70	18.90	28.15			R-2			P		P	P		
		0.610	15.49	22.20	33.07			R-2			P		P	P		
4 1/2	114.30	0.271	6.88	12.60	18.77	12.75	18.97	R-2	P, N, U	P, N, U	P, N, U	P, N, U	P, N, U	P, N, U		
		0.337	8.56	15.20	22.64			R-2			P		P	P		
		0.380	9.65	17.00	25.32			R-2			P		P	P		
		0.430	10.92	18.90	28.15			R-2			P		P	P		
		0.500	12.70	21.50	32.02			R-2			P		P	P		
		0.560	14.22	23.70	35.30			R-2			P		P	P		
		0.630	16.00	26.10	38.88			R-2			P		P	P		



ArcelorMittal

We go far beyond formal requirements to foster greater stakeholder engagement

# Seamless Line Pipe and Structural Pipe according to:

API 5L Grades:	A	B		X42	X46	X52	X56	X60	X65	X70
EN 10208-2 Grades:		L245NB		L290NB		L360NB, L360Q		L415Q	L450Q	L485Q
EN 10210-1 Grades:					S275 J2H	S355 J2H				
EN 10225 Grades:					G1+N	G14+N, G15+N				
ASME / ASTM A53 Grades: *	A	B								
ASME / ASTM SA 53 Grades: *	A	B	C							
ASTM A333 Grades: *	1	6								

\* Notes: Specifications for standard pipe and high and low temperature services

NPS	Nominal Size		Outside Diameter		Wall Thickness		Weight (Plain End)		Schedule	Non-Schedule	Length		PSL1		PSL2	
	INCH	INCH	INCH	MM	INCH	MM	PPF	KG. / MTR			Max Mtrs.	Fixed mm	Hot Rolled	Hot Rolled	Normalized	Quenched & Tempered
4	4 1/2	4.500	114.3	0.203	5.16	9.32	13.89	...	...	14	+ / - 50	Y	Y	Y	Y	
				0.219	5.56	10.01	14.91	...	...	14	+ / - 50	Y	Y	Y	Y	
				0.237	6.02	10.79	16.08	40	STD	14	+ / - 50	Y	Y	Y	Y	
				0.250	6.35	11.35	16.91	...	...	14	+ / - 50	Y	Y	Y	Y	
				0.281	7.14	12.67	18.87	...	...	14	+ / - 50	Y	Y	Y	Y	
				0.312	7.92	13.95	20.78	...	...	14	+ / - 50	Y	Y	Y	Y	
				0.337	8.56	14.99	22.32	80	XS	14	+ / - 50	Y	Y	Y	Y	
				0.375	9.52	16.52	24.60	...	...	14	+ / - 50	Y	Y	Y	Y	
				0.438	11.13	19.01	28.32	120	...	14	+ / - 50	Y	Y	Y	Y	
				0.500	12.70	21.36	31.82	...	...	14	+ / - 50	Y	Y	Y	Y	
				0.531	13.49	22.52	33.54	160	...	14	+ / - 50	Y	Y	Y	Y	
				0.562	14.27	23.63	35.20	...	...	14	+ / - 50	Y	Y	Y	Y	
				0.625	15.88	25.88	38.54	...	...	14	+ / - 50	Y	Y	Y	Y	
0.674	17.12	27.55	41.03	...	XXS	14	+ / - 50	Y	Y	Y	Y					
0.688	17.48	28.02	41.74	...	...	14	+ / - 50	Y	Y	Y	Y					
5	5 9/16	5.563	141.3	0.203	5.16	11.63	17.32	...	...	14	+ / - 50	Y	Y	Y	Y	
				0.219	5.56	12.50	18.61	...	...	14	+ / - 50	Y	Y	Y	Y	
				0.250	6.35	14.19	21.13	...	...	14	+ / - 50	Y	Y	Y	Y	
				0.258	6.55	14.61	21.77	40	STD	14	+ / - 50	Y	Y	Y	Y	
				0.281	7.14	15.86	23.62	...	...	14	+ / - 50	Y	Y	Y	Y	
				0.312	7.92	17.49	26.05	...	...	14	+ / - 50	Y	Y	Y	Y	
				0.344	8.74	19.18	28.57	...	...	14	+ / - 50	Y	Y	Y	Y	
				0.375	9.52	20.77	30.94	80	XS	14	+ / - 50	Y	Y	Y	Y	
				0.438	11.13	23.99	35.73	...	...	14	+ / - 50	Y	Y	Y	Y	
				0.500	12.70	27.04	40.28	120	...	14	+ / - 50	Y	Y	Y	Y	
				0.562	14.27	30.01	44.70	...	...	14	+ / - 50	Y	Y	Y	Y	
				0.625	15.88	32.98	49.12	160	...	14	+ / - 50	Y	Y	Y	Y	
				0.688	17.48	35.84	53.38	...	...	14	+ / - 50	Y	Y	Y	Y	
0.750	19.05	38.56	57.43	...	XXS	14	+ / - 50	Y	Y	Y	Y					
0.875	22.23	43.82	65.28	...	...	14	+ / - 50	Y	Y	Y	Y					
6	6 5/8	6.625	168.3	0.250	6.35	17.03	25.36	...	...	14	+ / - 50	Y	Y	Y	Y	
				0.280	7.11	18.98	28.26	40	STD	14	+ / - 50	Y	Y	Y	Y	
				0.312	7.92	21.03	31.33	...	...	14	+ / - 50	Y	Y	Y	Y	
				0.344	8.74	23.09	34.39	...	...	14	+ / - 50	Y	Y	Y	Y	
				0.375	9.53	25.05	37.31	...	...	14	+ / - 50	Y	Y	Y	Y	
				0.432	10.97	28.58	42.56	80	XS	14	+ / - 50	Y	Y	Y	Y	
				0.438	11.13	28.96	43.14	...	...	14	+ / - 50	Y	Y	Y	Y	

# Seamless Line Pipe and Structural Pipe:

NPS	Nominal Size		Outside Diameter		Wall Thickness		Weight (Plain End)		Schedule	Non-Schedule	Length		PSL1		PSL2	
	INCH	INCH	INCH	MM	INCH	MM	PPF	KG. / MTR			Max Mtrs.	Fixed mm	Hot Rolled	Hot Rolled	Normalized	Quenched & Tempered
					0.500	12.70	32.72	48.73	...	...	14	+ / - 50	Y	Y	Y	Y
					0.562	14.27	36.39	54.21	120	...	14	+ / - 50	Y	Y	Y	Y
					0.625	15.88	40.07	59.69	...	...	14	+ / - 50	Y	Y	Y	Y
					0.688	17.48	43.65	65.02	...	...	14	+ / - 50	Y	Y	Y	Y
					0.719	18.26	45.36	67.57	160	...	14	+ / - 50	Y	Y	Y	Y
					0.750	19.05	47.07	70.12	...	...	14	+ / - 50	Y	Y	Y	Y
					0.864	21.95	53.19	79.22	...	XXS	14	+ / - 50	Y	Y	Y	Y
					0.875	22.23	53.76	80.08	...	...	14	+ / - 50	Y	Y	Y	Y
					0.938	23.83	57.00	84.90	...	...	14	+ / - 50	Y	Y	Y	Y
					1.000	25.40	60.10	89.51	...	...	14	+ / - 50	Y	Y	Y	Y
8	8 5/8	8.625	219.1		0.250	6.35	22.37	33.32	20	...	14	+ / - 50	Y	Y	Y	Y
					0.277	7.04	24.72	36.82	30	...	14	+ / - 50	Y	Y	Y	Y
					0.312	7.92	27.69	41.25	...	...	14	+ / - 50	Y	Y	Y	Y
					0.322	8.18	28.57	42.55	40	STD	14	+ / - 50	Y	Y	Y	Y
					0.344	8.74	30.44	45.34	...	...	14	+ / - 50	Y	Y	Y	Y
					0.375	9.53	33.07	49.25	...	...	14	+ / - 50	Y	Y	Y	Y
					0.406	10.31	35.64	53.09	60	...	14	+ / - 50	Y	Y	Y	Y
					0.438	11.13	38.32	57.08	...	...	14	+ / - 50	Y	Y	Y	Y
					0.500	12.70	43.40	64.64	80	XS	14	+ / - 50	Y	Y	Y	Y
					0.562	14.27	48.39	72.08	...	...	14	+ / - 50	Y	Y	Y	Y
					0.594	15.09	50.97	75.92	100	...	14	+ / - 50	Y	Y	Y	Y
					0.625	15.88	53.43	79.59	...	...	14	+ / - 50	Y	Y	Y	Y
					0.688	17.48	58.35	86.91	...	...	14	+ / - 50	Y	Y	Y	Y
					0.719	18.26	60.72	90.44	120	...	14	+ / - 50	Y	Y	Y	Y
					0.750	19.05	63.10	93.98	...	...	14	+ / - 50	Y	Y	Y	Y
					0.812	20.62	67.76	100.93	140	...	14	+ / - 50	Y	Y	Y	Y
					0.844	21.44	70.17	104.51	...	...	14	+ / - 50	Y	Y	Y	Y
					0.875	22.23	72.46	107.93	...	XXS	14	+ / - 50	Y	Y	Y	Y
					0.906	23.01	74.71	111.27	160	...	14	+ / - 50	Y	Y	Y	Y
					1.000	25.40	81.46	121.33	...	...	14	+ / - 50	Y	Y	Y	Y
10	10 3/4	10.750	273.1		0.307	7.80	34.26	51.03	30	...	14	+ / - 50	Y	Y	Y	Y
					0.330	8.38	36.73	54.71	...	...	14	+ / - 50	Y	Y	Y	Y
					0.344	8.74	38.25	56.98	...	...	14	+ / - 50	Y	Y	Y	Y
					0.365	9.27	40.49	60.31	40	STD	14	+ / - 50	Y	Y	Y	Y
					0.406	10.31	44.86	66.82	...	...	14	+ / - 50	Y	Y	Y	Y
					0.438	11.13	48.28	71.91	...	...	14	+ / - 50	Y	Y	Y	Y
					0.500	12.70	54.75	81.56	60	XS	14	+ / - 50	Y	Y	Y	Y
					0.562	14.27	61.15	91.09	...	...	14	+ / - 50	Y	Y	Y	Y
					0.594	15.09	64.46	96.02	80	...	14	+ / - 50	Y	Y	Y	Y
					0.625	15.88	67.63	100.73	...	...	14	+ / - 50	Y	Y	Y	Y
					0.688	17.48	73.98	110.19	...	...	14	+ / - 50	Y	Y	Y	Y
					0.719	18.26	77.05	114.76	100	...	14	+ / - 50	Y	Y	Y	Y
					0.750	19.05	80.13	119.35	...	...	14	+ / - 50	Y	Y	Y	Y
					0.812	20.62	86.20	128.39	...	...	14	+ / - 50	Y	Y	Y	Y
					0.844	21.44	89.33	133.06	120	...	14	+ / - 50	Y	Y	Y	Y
					0.875	22.23	92.34	137.53	...	...	14	+ / - 50	Y	Y	Y	Y

# Seamless Line Pipe and Structural Pipe:

NPS	Nominal Size	Outside Diameter		Wall Thickness		Weight (Plain End)		Schedule	Non-Schedule	Length		PSL1		PSL2	
		INCH	MM	INCH	MM	PPF	KG. / MTR			Max Mtrs.	Fixed mm	Hot Rolled	Hot Rolled	Normalized	Quenched & Tempered
				0.938	23.83	98.35	146.49	...	...	14	+ / - 50	Y	Y	Y	Y
				1.000	25.40	104.17	155.16	140	XXS	14	+ / - 50	Y	Y	Y	Y
				1.062	26.97	109.91	163.71	...	...	14	+ / - 50	Y	Y	Y	Y
				1.125	28.58	115.71	172.34	160	...	14	+ / - 50	Y	Y	Y	Y
				1.219	30.96	124.12	184.88	...	...	14	+ / - 50	Y	Y	Y	Y
				1.250	31.75	126.87	188.98	...	...	14	+ / - 50	Y	Y	Y	Y
12	12 3/4	12.750	323.9	0.330	8.38	43.78	65.21	30	...	14	+ / - 50	Y	Y	Y	Y
				0.344	8.74	45.61	67.93	...	...	14	+ / - 50	Y	Y	Y	Y
				0.375	9.53	49.60	73.88	...	STD	14	+ / - 50	Y	Y	Y	Y
				0.406	10.31	53.53	79.73	40	...	14	+ / - 50	Y	Y	Y	Y
				0.438	11.13	57.64	85.85	...	...	14	+ / - 50	Y	Y	Y	Y
				0.500	12.70	65.44	97.47	...	XS	14	+ / - 50	Y	Y	Y	Y
				0.562	14.27	73.16	108.96	60	...	14	+ / - 50	Y	Y	Y	Y
				0.625	15.88	80.99	120.63	...	...	14	+ / - 50	Y	Y	Y	Y
				0.688	17.48	88.68	132.09	80	...	14	+ / - 50	Y	Y	Y	Y
				0.750	19.05	96.15	143.22	...	...	14	+ / - 50	Y	Y	Y	Y
				0.812	20.62	103.54	154.22	...	...	14	+ / - 50	Y	Y	Y	Y
				0.844	21.44	107.37	159.92	100	...	14	+ / - 50	Y	Y	Y	Y
				0.875	22.23	111.03	165.38	...	...	14	+ / - 50	Y	Y	Y	Y
				0.938	23.83	118.39	176.35	...	...	14	+ / - 50	Y	Y	Y	Y
				1.000	25.40	125.53	186.98	120	XXS	14	+ / - 50	Y	Y	Y	Y
				1.062	26.97	132.59	197.49	...	...	14	+ / - 50	Y	Y	Y	Y
				1.125	28.58	139.74	208.15	140	...	14	+ / - 50	Y	Y	Y	Y
				1.219	30.96	150.16	223.67	...	...	14	+ / - 50	Y	Y	Y	Y
				1.250	31.75	153.58	228.75	...	...	14	+ / - 50	Y	Y	Y	Y
				1.312	33.32	160.31	238.78	160	...	14	+ / - 50	Y	Y	Y	Y
				1.375	34.93	167.12	248.93	...	...	14	+ / - 50	Y	Y	Y	Y
14	14	14.000	355.6	0.330	8.38	48.18	71.76	...	...	14	+ / - 50	Y	Y	Y	Y
				0.344	8.74	50.19	74.76	...	...	14	+ / - 50	Y	Y	Y	Y
				0.375	9.53	54.61	81.33	30	STD	14	+ / - 50	Y	Y	Y	Y
				0.406	10.31	58.94	87.79	...	...	14	+ / - 50	Y	Y	Y	Y
				0.438	11.13	63.48	94.55	40	...	14	+ / - 50	Y	Y	Y	Y
				0.500	12.70	72.10	107.40	...	XS	14	+ / - 50	Y	Y	Y	Y
				0.562	14.27	80.64	120.12	...	...	14	+ / - 50	Y	Y	Y	Y
				0.594	15.09	85.07	126.72	60	...	14	+ / - 50	Y	Y	Y	Y
				0.625	15.88	89.32	133.04	...	...	14	+ / - 50	Y	Y	Y	Y
				0.688	17.48	97.86	145.76	...	...	14	+ / - 50	Y	Y	Y	Y
				0.750	19.05	106.15	158.11	80	...	14	+ / - 50	Y	Y	Y	Y
				0.812	20.62	114.36	170.34	...	...	14	+ / - 50	Y	Y	Y	Y
				0.844	21.44	118.62	176.68	...	...	14	+ / - 50	Y	Y	Y	Y
				0.875	22.23	122.70	182.76	...	...	14	+ / - 50	Y	Y	Y	Y
				0.938	23.83	130.90	194.98	100	...	14	+ / - 50	Y	Y	Y	Y
				1.000	25.40	138.86	206.84	...	...	14	+ / - 50	Y	Y	Y	Y
				1.062	26.97	146.75	218.58	...	...	14	+ / - 50	Y	Y	Y	Y
				1.094	27.79	150.83	224.66	120	...	14	+ / - 50	Y	Y	Y	Y
				1.125	28.58	154.74	230.49	...	...	14	+ / - 50	Y	Y	Y	Y

# Seamless Line Pipe and Structural Pipe:

NPS	Nominal Size		Outside Diameter		Wall Thickness		Weight (Plain End)		Schedule	Non-Schedule	Length		PSL1		PSL2	
	INCH	INCH	INCH	MM	INCH	MM	PPF	KG. / MTR			Max Mtrs.	Fixed mm	Hot Rolled	Hot Rolled	Normalized	Quenched & Tempered
					1.219	30.96	166.41	247.87	...	...	14	+ / - 50	Y	Y	Y	Y
					1.250	31.75	170.24	253.58	140	...	14	+ / - 50	Y	Y	Y	Y
					1.375	34.93	185.45	276.23	...	...	14	+ / - 50	Y	Y	Y	Y
					1.406	35.71	189.13	281.72	160	...	14	+ / - 50	Y	Y	Y	Y
16*	16	16.000	406.4	0.375	9.53	62.62	93.27	...	STD	10	+ / - 50	Y	Y	Y	Y	
				0.438	11.13	72.84	108.49	...	...	10	+ / - 50	Y	Y	Y	Y	
				0.500	12.70	82.78	123.31	40	XS	10	+ / - 50	Y	Y	Y	Y	
				0.562	14.27	92.65	138.00	...	...	10	+ / - 50	Y	Y	Y	Y	
				0.625	15.88	102.68	152.94	...	...	10	+ / - 50	Y	Y	Y	Y	
				0.656	16.66	107.51	160.13	60	...	10	+ / - 50	Y	Y	Y	Y	
				0.688	17.48	112.56	167.66	...	...	10	+ / - 50	Y	Y	Y	Y	
				0.750	19.05	122.17	181.98	...	...	10	+ / - 50	Y	Y	Y	Y	
				0.812	20.62	131.71	196.18	...	...	10	+ / - 50	Y	Y	Y	Y	
				0.844	21.44	136.65	203.54	80	...	10	+ / - 50	Y	Y	Y	Y	
				0.875	22.23	141.40	210.61	...	...	10	+ / - 50	Y	Y	Y	Y	
				0.938	23.83	150.94	224.83	...	...	10	+ / - 50	Y	Y	Y	Y	
				1.000	25.40	160.23	238.66	...	...	10	+ / - 50	Y	Y	Y	Y	
				1.031	26.19	164.87	245.57	100	...	10	+ / - 50	Y	Y	Y	Y	
				1.062	26.97	169.43	252.37	...	...	10	+ / - 50	Y	Y	Y	Y	
				1.125	28.58	178.78	266.30	...	...	10	+ / - 50	Y	Y	Y	Y	
				1.219	30.96	192.45	286.66	120	...	10	+ / - 50	Y	Y	Y	Y	
				1.250	31.75	196.95	293.35	...	...	10	+ / - 50	Y	Y	Y	Y	

\* subject to mill confirmation

NPS 4" to 14" maximum length 14 mtrs. and tolerance +/- 50mm; NPS 16" maximum length 10 mtrs. and tolerance +/- 50mm  
For specific fixed lengths, contact our sales representatives.

# Seamless Boiler and Process Pipe for:

- Low Temperature Service to ASTM A333 (2011) Grades 1, 3, 6
- Low Temperature Service to EN 10216-2 Grades P235 GH/NH/NL, P265 GH/NH/NL, 16Mo3
- High Temperature Service according to ASTM A106 (2010) Grades A, B, C
- High Temperature Service [Ferritic Alloy Steel] to ASTM A335 (2010b) Grades P11, P22
- High Temperature Service to EN 10216-2 Grades 10CrMo5-5, 10CrMo910

Size	Outside Diameter		Wall Thickness		Weight		Schedule	Non-Schedule	Max Length	
	NPS	INCH	MM	INCH	MM	PPF			KG. / MTR.	FT.
4	4.500	114.3	0.203	5.16	9.32	13.89	...	...	46.0	14.0
			0.219	5.56	10.01	14.91	...	...	46.0	14.0
			0.237	6.02	10.79	16.08	40	STD	46.0	14.0
			0.250	6.35	11.35	16.91	...	...	46.0	14.0
			0.281	7.14	12.67	18.87	...	...	46.0	14.0
			0.312	7.92	13.95	20.78	...	...	46.0	14.0
			0.337	8.56	14.99	22.32	80	XS	46.0	14.0
			0.375	9.52	16.52	24.60	...	...	46.0	14.0
			0.438	11.13	19.01	28.32	120	...	46.0	14.0



# Seamless Boiler and Process Pipe for:

Size	Outside Diameter		Wall Thickness		Weight		Schedule	Non-Schedule	Max Length	
	NPS	INCH	MM	INCH	MM	PPF			KG. / MTR.	FT.
			0.500	12.70	21.36	31.82	...	...	46.0	14.0
			0.531	13.49	22.52	33.54	160	...	46.0	14.0
			0.562	14.27	23.63	35.20	...	...	46.0	14.0
			0.625	15.88	25.88	38.54	...	...	46.0	14.0
			0.674	17.12	27.55	41.03	...	XXS	46.0	14.0
			0.688	17.48	28.02	41.74	...	...	46.0	14.0
5	5.563	141.3	0.203	5.16	11.63	17.32	...	...	46.0	14.0
			0.219	5.56	12.50	18.61	...	...	46.0	14.0
			0.250	6.35	14.19	21.13	...	...	46.0	14.0
			0.258	6.55	14.61	21.77	40	STD	46.0	14.0
			0.281	7.14	15.86	23.62	...	...	46.0	14.0
			0.312	7.92	17.49	26.05	...	...	46.0	14.0
			0.344	8.74	19.18	28.57	...	...	46.0	14.0
			0.375	9.52	20.77	30.94	80	XS	46.0	14.0
			0.438	11.13	23.99	35.73	...	...	46.0	14.0
			0.500	12.70	27.04	40.28	120	...	46.0	14.0
			0.562	14.27	30.01	44.70	...	...	46.0	14.0
			0.625	15.88	32.98	49.12	160	...	46.0	14.0
			0.688	17.48	35.84	53.38	...	...	46.0	14.0
			0.750	19.05	38.56	57.43	...	XXS	46.0	14.0
			0.875	22.23	43.82	65.28	...	...	46.0	14.0
6	6.625	168.3	0.250	6.35	17.03	25.36	...	...	46.0	14.0
			0.280	7.11	18.98	28.26	40	STD	46.0	14.0
			0.312	7.92	21.03	31.33	...	...	46.0	14.0
			0.344	8.74	23.09	34.39	...	...	46.0	14.0
			0.375	9.53	25.05	37.31	...	...	46.0	14.0
			0.432	10.97	28.58	42.56	80	XS	46.0	14.0
			0.438	11.13	28.96	43.14	...	...	46.0	14.0
			0.500	12.70	32.72	48.73	...	...	46.0	14.0
			0.562	14.27	36.39	54.21	120	...	46.0	14.0
			0.625	15.88	40.07	59.69	...	...	46.0	14.0
			0.688	17.48	43.65	65.02	...	...	46.0	14.0
			0.719	18.26	45.36	67.57	160	...	46.0	14.0
			0.750	19.05	47.07	70.12	...	...	46.0	14.0
			0.864	21.95	53.19	79.22	...	XXS	46.0	14.0
			0.875	22.23	53.76	80.08	...	...	46.0	14.0
			0.938	23.83	57.00	84.90	...	...	46.0	14.0
			1.000	25.40	60.10	89.51	...	...	46.0	14.0
8	8.625	219.1	0.250	6.35	22.37	33.32	20	...	46.0	14.0
			0.277	7.04	24.72	36.82	30	...	46.0	14.0
			0.312	7.92	27.69	41.25	...	...	46.0	14.0
			0.322	8.18	28.57	42.55	40	STD	46.0	14.0
			0.344	8.74	30.44	45.34	...	...	46.0	14.0
			0.375	9.53	33.07	49.25	...	...	46.0	14.0
			0.406	10.31	35.64	53.09	60	...	46.0	14.0
			0.438	11.13	38.32	57.08	...	...	46.0	14.0
			0.500	12.70	43.40	64.64	80	XS	46.0	14.0
			0.562	14.27	48.39	72.08	...	...	46.0	14.0

# Seamless Boiler and Process Pipe for:

Size		Outside Diameter		Wall Thickness		Weight		Schedule	Non-Schedule	Max Length	
NPS		INCH	MM	INCH	MM	PPF	KG. / MTR.			FT.	MTR.
				0.594	15.09	50.97	75.92	100	...	46.0	14.0
				0.625	15.88	53.43	79.59	...	...	46.0	14.0
				0.688	17.48	58.35	86.91	...	...	46.0	14.0
				0.719	18.26	60.72	90.44	120	...	46.0	14.0
				0.750	19.05	63.10	93.98	...	...	46.0	14.0
				0.812	20.62	67.76	100.93	140	...	46.0	14.0
				0.844	21.44	70.17	104.51	...	...	46.0	14.0
				0.875	22.23	72.46	107.93	...	XXS	46.0	14.0
				0.906	23.01	74.71	111.27	160	...	46.0	14.0
				1.000	25.40	81.46	121.33	...	...	46.0	14.0
10	10.750	273.1		0.307	7.80	34.26	51.03	30	...	46.0	14.0
				0.330	8.38	36.73	54.71	...	...	46.0	14.0
				0.344	8.74	38.25	56.98	...	...	46.0	14.0
				0.365	9.27	40.49	60.31	40	STD	46.0	14.0
				0.406	10.31	44.86	66.82	...	...	46.0	14.0
				0.438	11.13	48.28	71.91	...	...	46.0	14.0
				0.500	12.70	54.75	81.56	60	XS	46.0	14.0
				0.562	14.27	61.15	91.09	...	...	46.0	14.0
				0.594	15.09	64.46	96.02	80	...	46.0	14.0
				0.625	15.88	67.63	100.73	...	...	46.0	14.0
				0.688	17.48	73.98	110.19	...	...	46.0	14.0
				0.719	18.26	77.05	114.76	100	...	46.0	14.0
				0.750	19.05	80.13	119.35	...	...	46.0	14.0
				0.812	20.62	86.20	128.39	...	...	46.0	14.0
				0.844	21.44	89.33	133.06	120	...	46.0	14.0
				0.875	22.23	92.34	137.53	...	...	46.0	14.0
				0.938	23.83	98.35	146.49	...	...	46.0	14.0
				1.000	25.40	104.17	155.16	140	XXS	46.0	14.0
				1.062	26.97	109.91	163.71	...	...	46.0	14.0
				1.125	28.58	115.71	172.34	160	...	46.0	14.0
				1.219	30.96	124.12	184.88	...	...	46.0	14.0
				1.250	31.75	126.87	188.98	...	...	46.0	14.0
12	12.750	323.9		0.330	8.38	43.78	65.21	30	...	46.0	14.0
				0.344	8.74	45.61	67.93	...	...	46.0	14.0
				0.375	9.53	49.60	73.88	...	STD	46.0	14.0
				0.406	10.31	53.53	79.73	40	...	46.0	14.0
				0.438	11.13	57.64	85.85	...	...	46.0	14.0
				0.500	12.70	65.44	97.47	...	XS	46.0	14.0
				0.562	14.27	73.16	108.96	60	...	46.0	14.0
				0.625	15.88	80.99	120.63	...	...	46.0	14.0
				0.688	17.48	88.68	132.09	80	...	46.0	14.0
				0.750	19.05	96.15	143.22	...	...	46.0	14.0
				0.812	20.62	103.54	154.22	...	...	46.0	14.0
				0.844	21.44	107.37	159.92	100	...	46.0	14.0
				0.875	22.23	111.03	165.38	...	...	46.0	14.0
				0.938	23.83	118.39	176.35	...	...	46.0	14.0
				1.000	25.40	125.53	186.98	120	XXS	46.0	14.0
				1.062	26.97	132.59	197.49	...	...	46.0	14.0

# Seamless Boiler and Process Pipe for:

Size		Outside Diameter		Wall Thickness		Weight		Schedule	Non-Schedule	Max Length	
NPS		INCH	MM	INCH	MM	PPF	KG. / MTR.			FT.	MTR.
				1.125	28.58	139.74	208.15	140	...	46.0	14.0
				1.219	30.96	150.16	223.67	...	...	46.0	14.0
				1.250	31.75	153.58	228.75	...	...	46.0	14.0
				1.312	33.32	160.31	238.78	160	...	46.0	14.0
				1.375	34.93	167.12	248.93	...	...	46.0	14.0
14	14.000	355.6		0.330	8.38	48.18	71.76	...	...	46.0	14.0
				0.344	8.74	50.19	74.76	...	...	46.0	14.0
				0.375	9.53	54.61	81.33	30	STD	46.0	14.0
				0.406	10.31	58.94	87.79	...	...	46.0	14.0
				0.438	11.13	63.48	94.55	40	...	46.0	14.0
				0.500	12.70	72.10	107.40	...	XS	46.0	14.0
				0.562	14.27	80.64	120.12	...	...	46.0	14.0
				0.594	15.09	85.07	126.72	60	...	46.0	14.0
				0.625	15.88	89.32	133.04	...	...	46.0	14.0
				0.688	17.48	97.86	145.76	...	...	46.0	14.0
				0.750	19.05	106.15	158.11	80	...	46.0	14.0
				0.812	20.62	114.36	170.34	...	...	46.0	14.0
				0.844	21.44	118.62	176.68	...	...	46.0	14.0
				0.875	22.23	122.70	182.76	...	...	46.0	14.0
				0.938	23.83	130.90	194.98	100	...	46.0	14.0
				1.000	25.40	138.86	206.84	...	...	46.0	14.0
				1.062	26.97	146.75	218.58	...	...	46.0	14.0
				1.094	27.79	150.83	224.66	120	...	46.0	14.0
				1.125	28.58	154.74	230.49	...	...	46.0	14.0
				1.219	30.96	166.41	247.87	...	...	46.0	14.0
				1.250	31.75	170.24	253.58	140	...	46.0	14.0
				1.375	34.93	185.45	276.23	...	...	46.0	14.0
				1.406	35.71	189.13	281.72	160	...	46.0	14.0
16*	16.000	406.4		0.375	9.53	62.62	93.27	...	STD	33.0	10.0
				0.438	11.13	72.84	108.49	...	...	33.0	10.0
				0.500	12.70	82.78	123.31	40	XS	33.0	10.0
				0.562	14.27	92.65	138.00	...	...	33.0	10.0
				0.625	15.88	102.68	152.94	...	...	33.0	10.0
				0.656	16.66	107.51	160.13	60	...	33.0	10.0
				0.688	17.48	112.56	167.66	...	...	33.0	10.0
				0.750	19.05	122.17	181.98	...	...	33.0	10.0
				0.812	20.62	131.71	196.18	...	...	33.0	10.0
				0.844	21.44	136.65	203.54	80	...	33.0	10.0
				0.875	22.23	141.40	210.61	...	...	33.0	10.0
				0.938	23.83	150.94	224.83	...	...	33.0	10.0
				1.000	25.40	160.23	238.66	...	...	33.0	10.0
				1.031	26.19	164.87	245.57	100	...	33.0	10.0
				1.062	26.97	169.43	252.37	...	...	33.0	10.0
				1.125	28.58	178.78	266.30	...	...	33.0	10.0
				1.219	30.96	192.45	286.66	120	...	33.0	10.0
				1.250	31.75	196.95	293.35	...	...	33.0	10.0

\* subject to mill confirmation



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