

OCTG Products

Seamless Tubes and Tube Based Products
for Applications in the Oil & Gas Industries



ISO 14001:2004



OHSAS 18001:2007



ISO/TS 16949 : 2002



ISMT LIMITED

Solutions You Can Trust




OCTG Products

Seamless Tubes and Tube Based Products for Applications in the Oil & Gas Industries

ISMT manufactures a variety of OCTG products such as Casings, Tubings, Line Pipes, Coupling Stock, Finished Coupling (API) and specialized tubes for mechanical applications such as the manufacture of perforator guns, fishing tools, etc; These items can be customized to the requirements of individual customers in terms of heat-treatment and end finishes.


The American Petroleum Institute has certified ISMT's products (API License No.5CT-0395, 5CT-0123, 5L-0102, 5L-0296, 5-D0018) and awarded ISMT the right to use the API monogram for specification API 5L, 5CT and 5D – plain ended pipes.

TOTAL PROCESS CONTROL

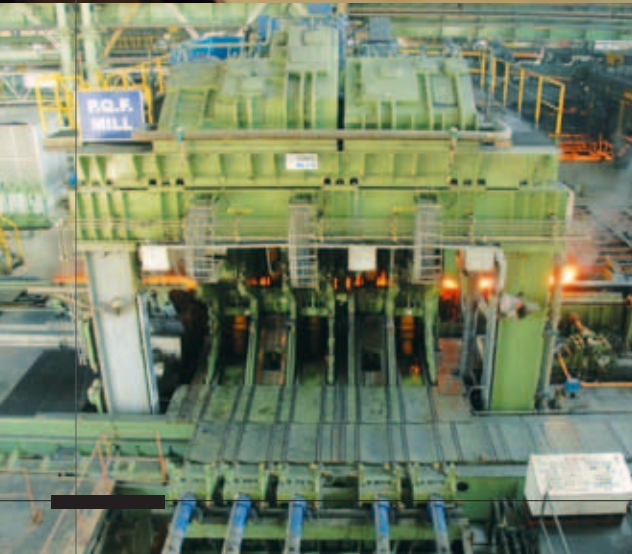


At ISMT, we believe the only way to guarantee quality is to stand responsible for the entire production process. For that reason, we produce all our steel in-house. We bring to bear over 20 years of experience in manufacturing high-grade bearing steel to all our manufacturing processes and to all our steel products (we are among few select manufacturers globally to be approved by SKF & FAG for the supply of bearing steels).

We produce our steel through the electric arc furnace route. The raw material mix is chosen and prepared carefully to ensure the highest standards of cleanliness. All heats are ladle refined and vacuum degassed before continuous casting and rolling. Right through the production process, we maintain full traceability of the material and a record of the tightly controlled process parameters. This ultra-clean steel forms the starting point for the manufacture of our tubes and hollow bars.



The manufacture of precision seamless tubes is as much a matter of equipment as it is of experience and process technology. At ISMT, we believe in investing in the finest of equipment. For making seamless tubes, we operate three Assel Mills, one PQF Mill, Pilger Mills and Cold Draw Benches. Our tube-mills are imported from Shloemann Mannesman in Germany and incorporate the best in technology. As regards to experience, we have perhaps, the most technically qualified team anywhere in the world – the OCTG products reflect this experience.



LINE PIPE

Types:

- API 5L Grade B / X42 / X46 / X52 / X60 / X65 / X70
- NACE MR01 - 75
- SRL / DRL / EL
- ASTM A106 Grade A / B / C
- ASTM A53 Grade A / B, Low Temperature ASTM A 333 Grade 6
- Equivalents of the above

Threaded
and Coupled Line Pipe
Size Range: 4" to 8"

SIZE RANGE

NSP	OD	Schedule - Wall Thickness							
	mm	40	60	80	100	120	140	160	XXS
1/2"	21.3	2.77	.	3.73	.	.	.	4.78	7.47
3/4"	26.7	2.87	.	3.91	.	.	.	5.56	7.82
1"	33.4	3.38	.	4.55	.	.	.	6.35	9.09
1 1/4"	42.2	3.56	.	4.85	.	.	.	6.35	9.70
1 1/2"	48.3	3.68	.	5.08	.	.	.	7.14	10.15
2"	60.3	3.91	.	5.54	.	.	.	8.74	11.07
2 1/2"	73.0	5.15	.	7.01	.	.	.	9.53	14.02
3"	88.9	5.49	.	7.62	.	.	.	11.13	15.24
3 1/2"	101.6	5.74	.	8.08	.	.	.	-	-
4"	114.3	6.02	.	8.56	.	11.13	.	13.49	17.12
5"	141.3	6.55	.	9.53	.	12.70	.	15.88	19.05
6"	168.3	7.11	.	10.97	.	14.27	.	18.26	21.95
8"	219.1	12.70	10.31	12.70	15.09	18.26	20.62	23.01	22.23
10"	273.1	9.27	12.70	15.09	18.26	21.44	25.40	28.58	25.40

WEIGHTS (KG/M)

NSP	OD	Schedule - Wall Thickness							
	mm	40	60	80	100	120	140	160	XXS
1/2"	21.3	1.77	.	1.62	.	.	.	1.95	2.55
3/4"	26.7	1.69	.	2.20	.	.	.	2.90	3.64
1"	33.4	2.50	.	3.24	.	.	.	4.24	5.45
1 1/4"	42.2	3.39	.	4.47	.	.	.	5.61	7.77
1 1/2"	48.3	4.05	.	5.41	.	.	.	7.25	9.56
2"	60.3	5.44	.	7.48	.	.	.	11.12	13.44
2 1/2"	73.0	8.63	.	11.41	.	.	.	14.90	20.39
3"	88.9	11.29	.	15.27	.	.	.	21.35	27.68
3 1/2"	101.6	13.57	.	18.63	.	.	.	-	-
4"	114.3	16.07	.	22.32	.	20.32	.	33.54	41.04
5"	141.3	21.77	.	30.94	.	40.28	.	49.11	57.43
6"	168.3	28.26	.	42.56	.	54.20	.	67.59	79.25
8"	219.1	42.55	53.08	64.64	75.92	90.44	100.62	111.27	107.27
10"	273.1	60.29	81.52	95.97	114.70	133.00	155.09	172.21	155.09

SIZE RANGE AND TYPES OF THREAD

	Size Range	Types of Thread
Line Pipes	2" - 8"	"V" threads (8 TPI)
Tubing	2 3/8" - 4 1/2"	EUE/NUE - 8RD
Casing Pipes	4 1/2" - 9 5/8"	BTC/LTC/STC



CASING

ISMT manufactures threaded and coupled API Casings upto 9 5/8 inches in J, K, L, N and P grades. ISMT has a long history of supplying Casing tubes to leading Oil companies across the world.

TUBING

ISMT manufactures threaded and coupled API Tubing upto 4 1/2 inches in J, K, L, N and P grades. ISMT has a long history of supplying these products to Houston and the gulf coast.

OD	End Condition	PPF Range
1.050"	PE / NUE	1.14 – 1.48
1.315"	PE / NUE	1.70 – 2.19
1.660"	PE / NUE	2.09 – 3.03
1.900"	PE / NUE	2.40 – 3.15
2.063"	PE / NUE	3.24 – 4.50
2-3/8"	PE / NUE/EUE T&C	4.6 – 5.8
2-7/8"	PE / NUE/EUE T&C	6.5 – 8.6
3-1/2"	PE / NUE/EUE T&C	9.2 – 12.70
4"	PE / NUE T&C	9.5
4-1/2"	PE / NUE T&C	12.6

Casing Size Range

OD	PPF Range
4 1/2"	10.5 - 15.1
5"	13 - 24.1
5 1/2"	14 - 32.6
6 5/8"	20 - 32
7"	23 - 38
7 5/8"	29.7 - 47.10
8 5/8"	24 - 49
9 5/8"	36 - 53.5

API 5CT
Thread Types: BTC/LTC/STC

COUPLINGS

We manufacture finished machined couplings for Casings, Tubings, and Line Pipe.

Specifications*	End Types	Application
5L	-	Line Pipes
5CT, 5B	EUE, NUE	Tubing
5CT, 5B	-	Csing Pipes

All couplings are duly gauged, phosphate, painted and either stenciled or punch marked with an API Monogram.



SPECIALIZED TUBES FOR OCTG APPLICATIONS

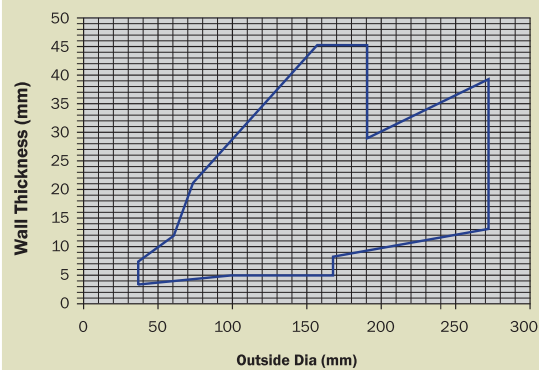
In addition to regular OCTG products such as Casings and Tubings, ISMT produces specialized tubes for the OCTG industry used in applications such as the manufacture of:

- Perf Gun Carrier
- Casing Screens
- Fishing Tools
- Couplings
- Float Shoe Equipments
- Coupling Stock for Premium Connections
- Pup Joint Blanks
- Blast Joint Blanks
- Accessories

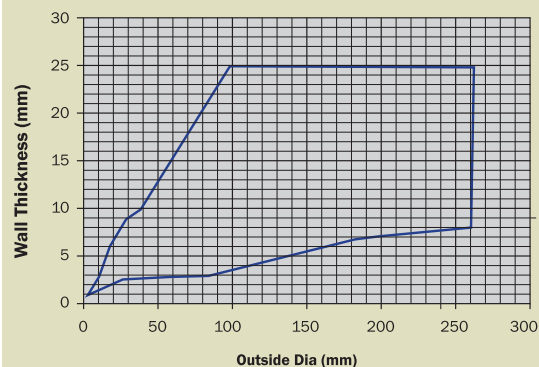
As an integrated producer of Steel and Tubes, ISMT is in a unique position to produce customized grades of steel for such demanding applications.



**Hot Finished Tubes
Size Range**



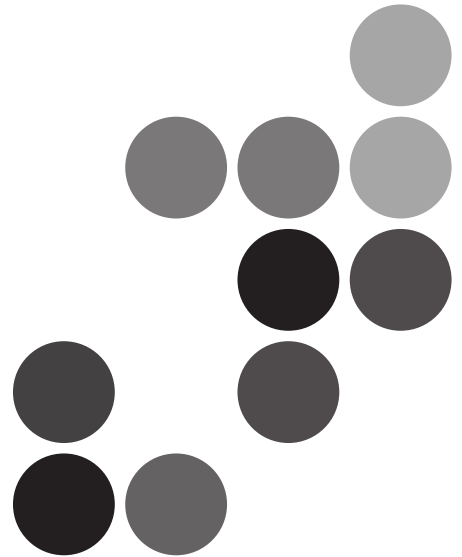
**Cold Finished Tubes
Size Range**



ISMT manufactures carbon/alloy steel and seamless tubes for:

- Energy and Power Generation
- Automotive Components
- Hydraulic and Pneumatic Pressure Lines
- Hydraulic Cylinders
- Gas Cylinders
- Mining and Construction
- Bearings
- General Engineering Applications
- Oil and Petroleum Applications

Product details are available on request



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