



**Omeshwar Steel**

**House of Seamless  
Pipes and Tubes**

**AN ISO 9001:2015 CERTIFIED COMPANY**

# 01

## About Us

Omeshwar Steel is a business of supplying (Trading House) M.S., Carbon Steel, Stainless Steel, ERW Pipes & Structurl Tubes, Boiler & Heat Exchanger Tubes, Ferrous & Non-Ferrous Metal and Oil Field Drilling Equipment since 1994.

It holds all the required Quality & Management Control certificates which assure the quality of al the product and services provided by us to the maximum utility of the customer. We are directly associated with manufacturing units.

We innovative, responsive & flexible organization as we structure our business around the needs of our valued customer.



# 02

# Mission

To turn into a brand with our customer support.



# 03

# Vision

To achieve sustainable growth, we have established a vision with clear goals.

# 04

# Policy

To supply products of highest possible standards of quality and services in accordance to the agreed terms and condition of the customer needs.



# 05

## Products



### **Carbon Steel/ M.S. Seamless Pipe :-**

ASTM (A53,A106), SA (179,192,210,213), DIN (2391,17175), BS(3059), NACE(MR0175 & MR103), EN Specification.

### **Alloy Steel :-**

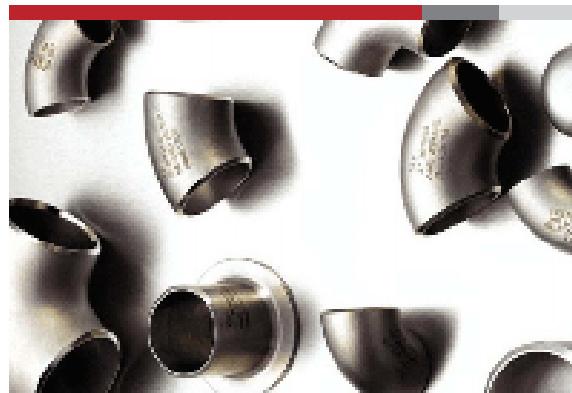
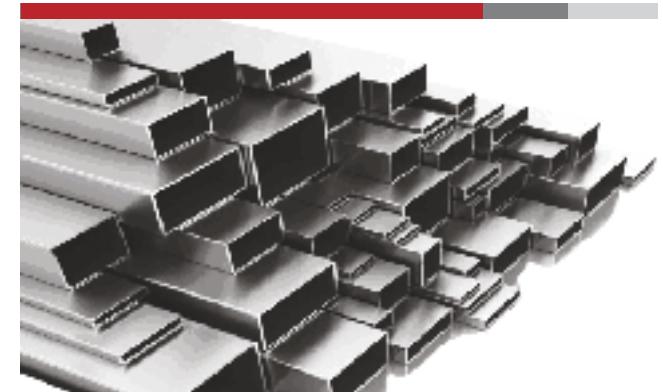
ASTM A335(P11,P22,P5,P9,P91,T11,T22,T91)

### **M.S CRC Tubes :-**

IS:7138, IS:1977, IS:1988

### **M.S. ERW Pipes/ Structural Hollow Tubes :-**

IS:1293, IS:3589, IS:4270, IS:1161,  
S:3601, IS:9295, IS/ISO3183



### **Pipe Fittings :-**

Bend, Flange, Tee, Reducer Nipple, Socket etc.



#### **Boiler Tubes :-**

IS:1917, IS:1961, IS:1977, IS:1982, IS:1990, ERW 320  
CEW 320, ASTM A178/1989, ASTM A214/1988

#### **Spiral Welded Pipe (HSAW & LSAW) :-**

IS:3589 - Fe 410

#### **Drilling Products**



# 06

## Semless Pipes & Hydraulic Tubes

Nominal Size	Outside Diameter	Wall Thickness	Class	Sched. No.	Plain End										
					Nominal Weight			Test Pressure min.							
					Butt Welded		Grade A		Grade B						
in	in	mm	in	mm	—	—	lb/ft	kg/ft	kg/m	psi	kg/cm <sup>2</sup>	psi	kg/cm <sup>2</sup>	psi	kg/cm <sup>2</sup>
1/8	.405	10.3	.068	1.70	std	40	.24	.11	.36	700	49.2	700	49.2	700	49.2
			.095	2.40	xs	80	.31	.14	.47	850	59.8	850	59.8	850	59.8
1/4	.540	13.7	.088	2.24	std	40	.42	.19	.63	700	49.2	700	49.2	700	49.2
			.119	3.02	xs	80	.54	.24	.80	850	59.8	850	59.8	850	59.8
3/8	.675	17.1	.091	2.31	std	40	.57	.26	.84	700	49.2	700	49.2	700	49.2
			.126	3.02	xs	80	.74	.34	1.10	850	59.8	850	59.8	850	59.8
1/2	.840	21.3	.109	2.77	std	40	.85	.39	1.27	700	49.2	700	49.2	700	49.2
			.147	3.73	xs	80	1.09	.49	1.62	850	59.8	850	59.8	850	59.8
			.188	4.78	—	160									
			.294	7.47	xxs	—	1.71	.78	2.55	1000	70.3	1000	70.3	1000	70.3
3/4	1.050	26.7	.113	2.87	std	40	1.13	.51	1.69	700	49.2	700	49.2	700	49.2
			.154	3.91	xs	80	1.47	.67	2.20	850	59.8	850	59.8	850	59.8
			.219	5.56	—	160			2.89						
			.308	7.82	xxs	—	2.44	1.11	3.63	1000	70.3	1000	70.3	1000	70.3
1	1.315	33.4	.133	3.38	std	40	1.68	.76	2.50	700	49.2	700	49.2	700	49.2
			.179	4.55	xs	80	2.17	.98	3.23	850	59.8	850	59.8	850	59.8
			.250	6.35	—	160			4.23						
			.358	9.09	xxs	—	3.66	1.66	5.45	1000	70.3	1000	70.3	1000	70.3
1 1/4	1.660	42.2	.140	3.56	std	40	2.27	1.03	3.38	1000	70.3	1000	70.3	1100	77.3
			.191	4.85	xs	80	3.00	1.36	4.47	1300	91.4	1500	105.5	1600	112.5
			.250	6.35	—	160			5.60						
			.382	9.70	xxs	—	5.21	2.36	7.76	1400	98.4	1800	126.6	1900	133.6
1 1/2	1.900	48.3	.145	3.68	std	40	2.72	1.23	4.05	1000	70.3	1000	70.3	1100	77.3
			.200	5.08	xs	80	3.63	1.65	5.41	1300	91.4	1500	105.5	1600	112.5
			.281	7.14	—	160			7.23						
			.400	10.15	xxs	—	6.41	2.91	9.55	1400	98.4	1800	126.5	1900	133.6
2	2.375	60.3	.154	3.91	std	40	3.65	1.66	5.44	1000	70.3	2300	161.7	2500	175.8
			.218	5.54	xs	80	5.02	2.28	7.48	1300	91.4	2500	175.8	2500	175.8
			.344	8.74	—	160	7.46	3.38	11.11	—	—	2500	175.8	2500	175.8
			.436	11.13	xxs	—	9.03	4.10	13.45	1400	98.4	2500	175.8	2500	175.8
2 1/2	2.875	73.0	.203	5.16	std	40	5.79	2.63	8.62	1000	70.3	2500	175.8	2500	175.8
			.276	7.01	xs	80	7.66	3.47	11.41	1300	91.4	2500	175.8	2500	175.8
			.375	9.53	—	160	10.01	4.54	14.91	1400	98.4	2500	175.8	2500	175.8
3	3.500	88.9	.552	14.02	xxs	—	18.70	6.21	20.39	1400	98.4	2500	175.8	2500	175.8
			.188	4.78	—	—	6.63	3.01	9.87	1000	70.3	—	—	—	—
			.216	5.49	std	40	7.58	3.44	11.29	1000	70.3	2200	154.7	2500	175.8
			.300	7.62	xs	80	10.25	4.65	15.27	1300	91.4	2500	175.8	2500	175.8
			.438	11.13	—	160	14.31	6.49	21.33	—	—	2500	175.8	2500	175.8
			.600	15.24	xxs	—	18.58	8.13	27.67	—	—	2500	175.8	2500	175.8
3 1/2	4.000	101.6	.188	4.78	—	—	7.63	3.46	11.35	1200	84.4	—	—	—	—
			.226	5.74	std	40	9.11	4.13	13.57	1200	84.4	2000	140.6	2400	168.7
			.318	8.08	xs	80	12.51	5.67	18.63	1700	119.5	2800	196.8	2800	196.8
			16.20	xxs	—	—	10.40	34.10	—	—	—	—	—	—	—
4	4.500	114.3	.156	3.96	—	—	7.25	3.29	10.79	1000	70.3	—	—	—	—
			.188	4.78	—	—	8.64	3.92	12.86	1200	84.4	—	—	—	—
			.219	5.56	—	—	10.00	4.54	14.88	1200	84.4				
			.237	6.02	std	40	10.79	4.89	16.07	1200	84.4	1900	133.6	2200	154.7
			.337	8.56	xs	80	14.98	6.79	22.31	1700	119.5	2700	189.8	2800	196.8
			.438	11.13	—	120	18.98	8.61	28.30	—	—	2800	196.8	2800	196.8
			.531	13.49	—	160	22.52	10.21	33.53	—	—	2800	196.8	2800	196.8
			.674	17.12	xxs	—	27.54	12.49	41.02	—	—	2800	196.8	2800	196.8
5	5.563	141.3	.258	6.55	std	40	14.62	6.63	21.78	—	—	1700	119.5	1900	133.6
			.375	9.35	xs	80	20.78	9.43	30.95	—	—	2400	168.7	2800	196.8
			.500	12.70	—	120	27.04	12.27	40.28	—	—	2800	196.8	2800	196.8
			.625	15.88	—	160	32.96	14.95	49.09	—	—	2800	196.8	2800	196.8
			.750	19.05	xxs	—	38.55	17.49	57.42	—	—	2800	196.8	2800	196.8
6	6.625	168.3	.280	7.11	std	40	18.97	8.60	28.26	—	—	1500	105.5	1800	126.6
			.432	10.97	xs	80	28.57	12.96	42.56	—	—	2300	161.7	2700	189.8
			.562	14.27	—	120	36.42	16.52	54.20	—	—	2800	196.8	2800	196.8
			.719	18.26	—	160	45.34	20.57	67.55	—	—	2800	196.8	2800	196.8
			.864	21.95	xxs	—	53.16	24.11	79.18	—	—	2800	196.8	2800	196.8
8	8.625	219.1	.250	6.35	—	20	22.36	10.14	33.31	—	—	1000	70.3	1200	84.4
			.277	7.04	—	30	24.70	11.70	36.79	—	—	1200	84.4	1300	91.4
			.322	8.18	std	40	28.55	12.95	42.53	—	—	1300	91.4	1600	112.5
			.406	10.31	—	60	35.66	16.18	53.09	—	—	1700	119.5	2000	140.6
			.500	12.70	xs	80	43.39	19.68	64.63	—	—	2100	147.6	2400	168.7
			.594	15.09	—	100	50.93	23.10	75.79	—	—	2500	175.8	2800	196.8
			.719	18.26	—	120	60.69	27.53	90.43	—	—	2800	196.8	2800	196.8
			.812	20.62	—	140	67.79	30.75	100.93	—	—	2800	196.8	2800	196.8
			.875	22.23	xxs	—	72.42	32.85	107.87	—	—	2800	196.8	2800	196.8
			.906	23.01	—	160	74.71	33.89	111.25	—	—	2800	196.8	2800	196.8

# ASTM A53 / A106 / A333 / A335 Seamless & Welded Steel Pipe

# 07

# Standard sizes & weights

Nominal Size	Outside Diameter	Wall Thickness	Class	Sched. No.	Plain End										
					Nominal Weight			Test Pressure min.							
					Butt Welded		Grade A		Grade B						
in	in	mm	in	mm	—	—	lb/ft	kg/ft	kg/m	psi	kg/cm <sup>2</sup>	psi	kg/cm <sup>2</sup>	psi	kg/cm <sup>2</sup>
<b>10</b>	10.750	<b>273.0</b>	.250	6.35	—	<b>20</b>	28.04	12.72	<b>41.77</b>	—	—	850	59.8	1000	70.3
			.279	7.11	—	—	31.20	14.15	<b>46.64</b>	—	—	950	66.8	1100	77.3
			.307	7.80	—	<b>30</b>	34.24	15.53	<b>51.00</b>	—	—	1000	70.3	1200	84.4
			.365	9.27	std	<b>40</b>	40.48	18.36	<b>60.29</b>	—	—	1200	84.4	1400	98.4
			.500	12.70	xs	<b>60</b>	54.74	24.83	<b>81.54</b>	—	—	1700	119.5	2000	140.6
			.594	15.09	—	<b>80</b>	64.40	29.21	<b>95.97</b>	—	—	2000	140.6	2300	161.7
			.719	18.26	—	<b>100</b>	77.00	34.93	<b>114.70</b>	—	—	2400	168.7	2800	196.8
			.844	21.44	—	<b>120</b>	89.27	40.49	<b>133.00</b>	—	—	2800	196.8	2800	196.8
			1.000	25.40	xxs	<b>140</b>	104.13	47.23	<b>155.10</b>	—	—	2800	196.8	2800	196.8
			1.125	28.58	—	<b>160</b>	115.65	52.46	<b>172.25</b>	—	—	2800	196.8	2800	196.8
<b>12</b>	12.750	<b>323.8</b>	.250	6.35	—	<b>20</b>	33.38	15.14	<b>49.72</b>	—	—	700	49.2	800	56.2
			.330	8.38	—	<b>30</b>	43.77	19.85	<b>65.20</b>	—	—	950	66.8	1100	77.3
			.375	9.53	std	—	49.56	22.48	<b>73.82</b>	—	—	1100	77.3	1200	84.4
			.406	10.31	—	<b>40</b>	53.56	24.29	<b>79.72</b>	—	—	1100	77.3	1300	91.4
			.500	12.70	xs	—	65.42	29.67	<b>97.44</b>	—	—	1400	98.4	1600	112.5
			.562	14.27	—	<b>60</b>	73.22	33.21	<b>108.96</b>	—	—	1600	112.5	1900	133.6
			.688	17.48	—	<b>80</b>	88.57	40.17	<b>132.01</b>	—	—	1900	133.6	2300	161.7
			.844	21.44	—	<b>100</b>	107.29	48.67	<b>159.85</b>	—	—	2400	168.7	2800	196.8
			1.000	25.40	xxs	<b>120</b>	125.49	56.92	<b>186.92</b>	—	—	2800	196.8	2800	196.8
			1.125	28.58	—	<b>140</b>	139.68	63.36	<b>208.04</b>	—	—	2800	196.8	2800	196.8
<b>14</b>	14.000	<b>355.6</b>	1.312	33.32	—	<b>160</b>	160.33	72.72	<b>238.72</b>	—	—	2800	196.8	2800	196.8
			.250	6.35	—	<b>10</b>	36.71	16.65	<b>54.68</b>	—	—	650	45.7	750	52.7
			.312	7.92	—	<b>20</b>	45.68	20.72	<b>67.94</b>	—	—	800	56.2	950	66.8
			.375	9.53	std	<b>30</b>	54.57	24.75	<b>81.28</b>	—	—	950	66.8	1100	77.3
			.438	11.13	—	<b>40</b>	63.37	28.74	<b>94.49</b>	—	—	1100	77.3	1300	91.4
			.500	12.70	xs	—	72.09	32.70	<b>107.38</b>	—	—	1300	91.4	1300	105.5
			.594	15.09	—	<b>60</b>	85.01	38.56	<b>126.68</b>	—	—	1500	105.5	1500	126.6
			.750	19.05	—	<b>80</b>	106.13	48.14	<b>158.08</b>	—	—	1900	133.6	2800	161.7
			.938	23.82	—	<b>100</b>	130.79	59.33	<b>194.90</b>	—	—	2400	168.7	2800	196.8
			1.094	27.79	—	<b>120</b>	150.76	68.38	<b>224.60</b>	—	—	2800	196.8	2800	196.8
<b>16</b>	16.000	<b>406.4</b>	1.250	31.75	—	<b>140</b>	170.22	77.21	<b>253.53</b>	—	—	2800	196.8	2800	196.8
			1.406	35.71	—	<b>160</b>	189.15	85.80	<b>281.68</b>	—	—	2800	196.8	2800	196.8
			.250	6.35	—	<b>10</b>	42.05	19.07	<b>62.63</b>	—	—	550	38.7	650	47.7
			.312	7.92	—	<b>20</b>	52.36	23.75	<b>77.86</b>	—	—	700	49.2	800	56.2
			.375	9.53	std	<b>30</b>	62.58	28.39	<b>93.21</b>	—	—	850	59.8	1000	70.3
			.500	12.70	xs	<b>40</b>	82.77	37.54	<b>123.29</b>	—	—	1100	77.3	1300	91.4
			.656	16.66	—	<b>60</b>	107.54	48.78	<b>160.12</b>	—	—	1500	105.5	1700	119.5
			.844	21.44	—	<b>80</b>	136.53	61.95	<b>203.48</b>	—	—	1900	133.6	2200	154.7
			1.031	26.19	—	<b>100</b>	164.86	74.48	<b>245.50</b>	—	—	2300	161.7	2700	189.8
			1.219	30.96	—	<b>120</b>	192.40	87.27	<b>286.62</b>	—	—	2700	189.8	2800	196.8
<b>18</b>	18.000	<b>457.2</b>	1.250	33.32	—	<b>10</b>	47.39	21.49	<b>70.59</b>	—	—	550	38.7	650	45.7
			.312	7.92	—	<b>20</b>	59.03	26.76	<b>87.79</b>	—	—	650	45.7	800	56.2
			.375	9.53	std	—	70.59	32.00	<b>105.14</b>	—	—	750	52.7	850	59.8
			.437	11.13	—	<b>30</b>	82.06	37.00	<b>122.36</b>	—	—	850	59.8	1000	70.3
			.500	12.70	xs	—	92.45	42.37	<b>139.19</b>	—	—	1000	70.3	1200	84.4
			.562	14.20	—	<b>40</b>	104.75	47.55	<b>155.91</b>	—	—	1100	77.3	1300	91.4
			.750	19.05	—	<b>60</b>	138.17	62.79	<b>205.80</b>	—	—	1500	105.5	1800	126.6
			.937	23.83	—	<b>80</b>	170.75	77.42	<b>254.59</b>	—	—	1800	126.5	2300	161.7
			1.156	29.36	—	<b>100</b>	207.96	94.48	<b>309.76</b>	—	—	2300	161.7	2800	196.8
			1.375	34.93	—	<b>120</b>	244.14	110.70	<b>363.65</b>	—	—	2700	189.8	2800	196.8
<b>20</b>	20.000	<b>508.0</b>	1.250	33.32	—	<b>10</b>	52.73	23.93	<b>78.54</b>	—	—	450	31.6	600	42.2
			.375	9.53	std	<b>20</b>	78.60	35.66	<b>117.07</b>	—	—	700	49.2	800	56.2
			.500	12.70	xs	<b>30</b>	104.13	47.24	<b>155.10</b>	—	—	900	63.3	1000	70.3
			.593	15.09	—	<b>40</b>	122.91	55.78	<b>183.37</b>	—	—	1100	77.3	1200	84.4
			.812	20.62	—	<b>60</b>	166.40	75.59	<b>247.85</b>	—	—	1500	105.5	1700	119.5
			1.031	26.20	—	<b>80</b>	208.87	94.79	<b>311.29</b>	—	—	1900	133.6	2000	140.6
			1.281	32.50	—	<b>100</b>	256.10	116.20	<b>381.09</b>	—	—	2300	161.7	2800	196.8
			1.500	38.00	—	<b>120</b>	296.37	134.40	<b>440.43</b>	—	—	2700	189.8	2800	196.8
			1.750	44.40	—	<b>140</b>	341.10	154.80	<b>507.60</b>	—	—	2800	196.8	2800	196.8
			1.968	50.00	—	<b>160</b>	379.01	171.90	<b						

# 08

## Size chart of round tubes

15 MM 0II"	L	21	21.4	2	5.1	5.3
	M	21	21.8	2.6	6.5	6.8
	H	21	21.8	3.2	7.8	8
20MM 0III"	L	26.4	26.9	2.3	7.5	7.7
	M	26.4	27.3	2.6	8.4	8.7
	H	26.5	27.3	3.2	10.1	10.4
25MM 1"	L	33.2	33.8	2.6	10.7	11
	M	33.3	34.2	3.2	13	13.4
	H	33.3	34.2	4	15.8	16.3
32MM 1I"	L	41.9	42.5	2.6	13.7	14.2
	M	42	42.9	3.2	16.7	17.3
	H	42	42.9	4	20.5	21.1
40MM 1II"	L	47.8	48.4	2.9	17.4	18
	M	47.8	48.8	3.2	19.2	19.9
	H	47.9	48.8	4	23.6	24.4
50MM 2"	L	59.6	60.2	2.9	22	22.8
	M	59.7	60.8	3.6	27.2	28.1
	H	59.7	60.8	4.5	33.4	34.5
65MM 2II"	L	75.2	76	3.2	31	32
	M	75.3	76.6	3.6	34.7	35.8
	H	75.3	76.6	4.5	42.8	44.2
80MM 3"	L	87.9	88.7	3.2	36.3	37.5
	M	88	89.5	4	45.1	46.6
	H	88	89.5	4.8	53.5	55.2
100MM 4"	L	113	113.9	3.6	52.7	54.4
	M	113.1	115	4.5	65.9	68.1
	H	113.1	115	5.4	78.3	80.9
125MM 5"	L	138.5	140.5	4	72.4	74.8
	M	138.5	140.8	4.8	85.9	88.7
	H	138.5	140.8	5.4	96.7	99.9
150MM 6"	L	163.9	165	4.5	96.1	99.3
	M	163.9	165.5	4.8	102.1	105.5
	H	163.9	166.5	5.4	115	118.9
175MM 7"	3MM	193.7	193.7	3	85	
	4MM	193.7	193.7	4	112	
	5MM	193.7	193.7	5	140	
200MM 8"	3MM	219.1	219.1	3	96	
	4MM	219.1	219.1	4	128	
	5MM	219.1	219.1	5	158	
250MM 10"	3.6MM	273.1	273.1	3.6	143	
	4MM	273.1	273.1	4	159	
	5MM	273.1	273.1	5	198	
	6MM	273.1	273.1	6	235	
300MM 12"	4MM	323	323.5	4	188.7	
	5MM	323	323.5	5	235	
	6MM	323	323.5	6	281.3	
	8MM	323	323.5	8	372	

# 09

## Square Pipes

40X10	1.6	7.15
40X20	1.6	8.65
40X20	1.2	6.55
40X20	2	10.65
40X20	2.5	13.15
40X20	3	15.1
50X25	1.2	8.25
50X25	1.6	10.85
50X25	2	13.5
50X25	2.5	16.65
50X25	3	19.2
75X25	1.2	11
75X25	1.6	14.65
75X25	2	18.2
75X25	2.5	22.55
75X253	3	26
60X40	1.2	11
60X40	1.6	14.65
60X40	2	18.2
60X40	2.5	22.5
60X40	3	26
80X40	1.6	17.65
80X40	2	21.8
80X40	2.5	27.25
80X40	3	32
80X40	3.6	38.65
80X40	4	41
80X40	5	51
96X48	1.6	21.75
96X48	2	26.45
96X48	2.5	32.8
96X48	3	37.9
96X48	3.6	46.75
96X48	4	49.8
96X48	5	63

**SIZE :-**

RHS 40X10 TO 400X200  
SHS 12X12 TO 300X300

**THICKNESS :-**

0.8MM TO 12MM

**LENGTH :-**

3.0 MTR TO 12.0 MTR

100X50	1.6	22.15
100X50	3	39.6
100X50	4	53.9
100X50	5	66.7
122X61	1.6	27.1
122X61	3	48.6
122X61	3.6	59.9
122X61	4	66.3
122X61	4.5	74
122X61	5	82.2
150X150	3	53
150X150	4	72.7
150X150	5	90
145X82	3	60
145X82	4	82
145X82	5	102
145X82	6	122
172X92	3	70
172X92	4	96
172X92	5	120
172X92	6	143
200X100	3	83
200X100	4	110
200X100	5	137
200X100	6	163
240X120	4	132
240X120	5	165
240X120	6	197
240X120	8	245
300X150	4	165
300X150	5	207
300X150	6	248
300X150	8	308
300X200	4	185
300X200	5	231
300X200	6	275
300X200	8	343
400X200	6	334
400X200	8	442
400X200	10	550
400X200	12	657

## Rectangle Pipes

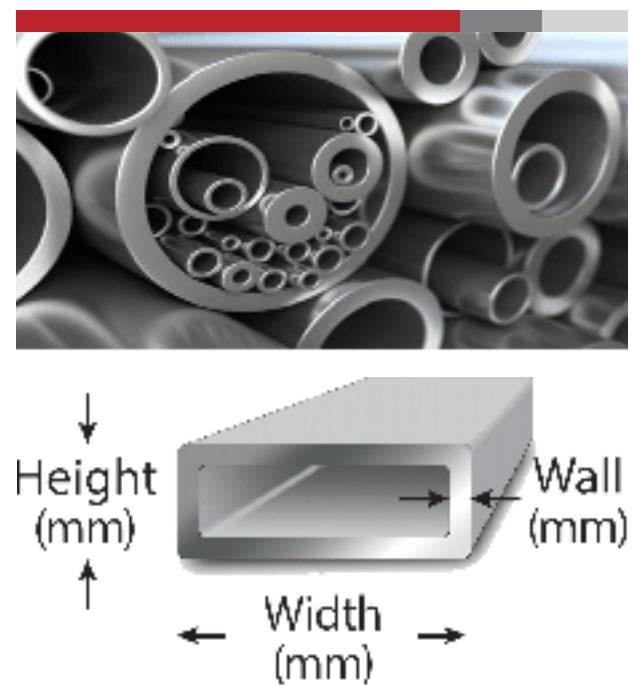
15X15	1.2	3.15
15X15	1.6	4.15
20X20	1.	4.3
20X20	1.6	5.65
20X20	2	6.95
20X20	2.8	9.35
25X25	1	4.55
25X25	1.2	5.4
25X25	1.6	7.15
25X25	2	8.8
25X25	2.5	10.8
25X25	3	12.7
30X30	1.2	6.55
30X30	1.6	8.65
30X30	2	11
30X30	2.5	13.2
30X30	3	15.6
32X32	2	11.45
32X32	2.5	14.1
32X32	3	16.2
40X40	1.2	7.9
40X40	1.6	11.65
40X40	2	14.45
40X40	2.5	17.85
40X40	3	20.55
40X40	3.6	25.15
40X40	4	27.65
50X50	1.2	11
50X50	1.6	14.65
50X50	2	18.2
50X50	2.5	22.55
50X50	3	26
50X50	3.6	31.85
50X50	4	35.2
50X50	5	43.25
60X60	1.6	17.85
60X60	2	21.95
60X60	3	32.45
60X60	3.6	38.65
60X60	4	42.7
60X60	5	52.65
72X72	1.6	21.25
72X72	2	26.45
72X72	2.5	32.8
72X72	3	37.95
72X72	3.6	46.75
72X72	4	51.7
72X72	5	63.9
80X80	1.6	23.65

# 10

## Specifications of tube

1) Automobiles & Furniture Tubes	IS 2039/1964/1981/1991 ERW-C1/C2 : CEW-C1/C2 IS 3074/1965/1979/1990 ERW-1/2,CEW-1/2 IS 7138/1977/1988 ERW BS1717/1951/1983 REW-C1/C2/C3 : CEW-C1/C2/C3 BS 6323/1982 P5 ERW:P6 CEW BS 980/1950 ERW-1/2:CEW-1/2 JIS 3445/1983 STKM 11/12/13 DIN 2393/1967 ERW:DIN2394/1957 CEW
2) Boilers and Heat Exchangers Tubes	IS 1914/1961/1977/1982/1990 ERW-320:CEW-320 BS 3059/1968/1978/1987/1990 PI ERW-320:CEW-320 PII ERW-360:CEW-360 ASTM A-179 / 1989 Gr.A ASTM A-214 / 1988 JIS 3461/1984
3) For Mechanical Structural and General Engineering	IS 3601/1966/1984/1987/1990 ERW WT 160/200/240 IS 1161/1979 ERW YST 210/240 IS 1239 (PART-1) IS 9295 : 1983 / IS 4923 : 1997 CEW Annealed CEW 160/200/240 CEW As drawn CEW 370/430 ASTM A5 13/88 ASTM 500/89 Gr.A / B
4) Pipes for Pressure Applications in Oil Industries Water, Gas & Sewage Tubes	ASTM A-106 Gr.A / B A-53 API 5L (X-42 / X-46 / X-52) IS 1239 (PART 1) 2004 / IS 3589 Fe-410 / IS 4270 : 2001 IS 1978-1982, API-52, ASMT A-53 BS 1387/1985 / BS 534
5) Seamless Redrawing	ASTM A 179/88 A210/88 Gr.A1
6) Idlers for Belt Conveyours	IS 9295-1983
7) Agriculture & Irrigation	IS1239(PART-1):2004 / IS3589:2001, IS4270:2001
8) Fire Fighting Equipment's	IS1239 (PART 1) : 2004 / IS3589:2001, ASTM-A53-12, ASTM-A795-04

Please Note : If the item you need is not found in this catalogue please do write us as email of your special requirements



11

# Grades

## CONFORMING TO STRINGENT SPECIFICATIONS

### A) INDIAN STANDARDS

- i) IS:1239 - For Ordinary use in Water, Gas & Air Lines
- ii) IS:3589 - Grads Fe330 & 410 for Water Gas & Sewerage Purpose
- iii) IS:4270 - Grade Fe410, Steel Tubes for Water Wells (Casing Pipes)
- iv) IS:1161 - Grade YST210,240 & 310 for Structural Purpose
- v) IS:3601 - Steels Tubes for Mechanicals & General Engineering
- vi) IS:9295 - For Idlers & Conveyors
- vii) IS:3183 - Grade YST210 & 240 for use in Oil & Natural Gas Industries

### B) INTERNATIONAL STANDARDS

#### 1) BRITISH

- i) BS:1387 - For Ordinary use in Water, Gas Lines
- ii) BS:1775 - For Mechanical, Structural & General Engineering
- iii) BS:1139 - Tubes for Metal Scaffolding
- iv) BS:534 - For Water Gas & Sewage
- v) BS:6363 - Structural Tubes, Round, Square & Rectangular Shape

#### 2) AMERICAN

- i) ASTMA53 - For Ordinary use in Water, Gas & Air Lines with UL Certification
- ii) ASTMA120 - For Ordinary use in Agriculture & Air Lines
- iii) ASTMA795 - For Fire Protection use with UL Certification
- iv) ASTMA500 - Structural Tubes, Round, Square & Rectangular Shape
- v) API5L - For Oil & Gas Conveying at High Pressure

#### 3) EUROPEAN

- i) EN10224 - For use in Water Gas & Air Flow
- ii) EN10255 - For Water, Gas & Air Flow with CE Certification

#### 4) JAPANESE

- i) JISG3452 - For use in Water, Gas & Air Flow

# 12

## Chemical Analysis

Specification	C %	Min %	P % Max	S % Max	Si %	Cr %	Cu % Max	Mo %	Ni % Max	Va % Max	MECHANICAL PROPERTIES		
											Tensile Strength	Yield Stress	Elongation in
											Mpa	Mpa	50 mm MIN Transverse
1 ASTMA53/A	0.25 MAX	0.95 MAX	0.050	0.060	-	-	-	-	-	-	331 MIN	-	207 MIN 36
2 ASTMA53/A	0.30 MAX	1.20 MAX	0.050	0.060	-	-	-	-	-	-	413 MIN	-	240 MIN 29.5
3 ASTMA106/A	0.25 MAX	0.27-0.93	0.025	0.025	0.10 MIN	0.40 MAX	0.40	0.15 MAX	0.40	0.08	330 MIN	-	205 MIN 25/20
4 ASTMA106/B	0.30 MAX	0.29-1.06	0.025	0.025	0.10 MIN	0.40 MAX	0.40	0.15 MAX	0.40	0.08	415 MIN	-	240 MIN 16.5/12.0
5 ASTMA106/C	0.35 MAX	0.29-1.06	0.025	0.025	0.10 MIN	0.40 MAX	0.40	0.15 MAX	0.40	0.08	485 MIN	-	275 MIN 16.5/12.0
6 ASTMA179	0.06-0.18	0.27-0.63	0.048	0.048	-	-	-	-	-	-	325 MIN	-	180 MIN 35.0 72 HRB MAX
7 ASTMA192	0.06-0.18	0.27-0.63	0.048	0.058	0.25 MAX	-	-	-	-	-	325 MIN	-	180 MIN 35.0 77 HRB MAX
8 ASTMA209/T1	0.10-0.20	0.30-0.80	0.045	0.045	0.10-0.50	-	-	0.44-0.65	-	-	380 MIN	-	205 MIN 30/22 80HRB MAX
9 ASTMA209/T1A	0.15-0.25	0.30-0.80	0.045	0.045	0.10-0.50	-	-	0.44-0.65	-	-	365 MIN	-	195 MIN 30/22 81HRB MAX
10 ASTMA209/T1B	0.14 MAX	0.30-0.80	0.045	0.045	0.10-0.50	-	-	0.44-0.65	-	-	415 MIN	-	220 MIN 30/22 77HRB MAX
11 ASTMA210/A-1	0.27 MAX	5	0.048	0.058	0.10 MIN	-	-	-	-	-	415 MIN	-	255 MIN 30/22 79 HRB MAX
12 ASTMA210/C	0.35 MAX	0.29-1.06	0.048	0.058	0.10 MIN	-	-	-	-	-	485 MIN	-	275 MIN 30/22 89 HRB MAX
13 ASTMA213/T2	0.10-0.20	0.30-0.61	0.045	0.045	0.10-0.30	0.50-0.81	-	0.44-0.65	-	-	415 MIN	-	205 MIN 30/22 85 HRB MAX
14 ASTMA213/T5	0.15 MAX	0.30-0.60	0.030	0.030	0.50 MAX	4.00-6.00	-	0.45-0.65	-	-	415 MIN	-	205 MIN 30/22 85 HRB MAX
15 ASTMA213/11	0.15 MAX	0.30-0.60	0.030	0.030	0.50-1.00	1.00-1.50	-	0.45-0.65	-	-	415 MIN	-	205 MIN 30/22 85 HRB MAX
16 ASTMA213/T12	0.15 MAX	0.30-0.61	0.045	0.045	0.50 MAX	0.80-1.25	-	0.45-0.65	-	-	415 MIN	-	205 MIN 30/22 85 HRB MAX
17 ASTMA213/T22	0.15 MAX	0.30-0.60	0.030	0.030	0.50 MAX	1.90-2.60	-	0.87-1.13	-	-	415 MIN	-	205 MIN 30/22 85 HRB MAX
18 ASTMA333/1	0.30 MAX	0.40-1.06	0.025	0.060	-	-	-	-	-	-	380 MIN	J14	205 MIN 25/20
19 ASTMA333/6	0.30 MAX	0.29-1.06	0.025	0.060	0.10 MIN	-	-	-	-	-	415 MIN	J14	240 MIN 16.5/12.0
20 ASTMA334/1	0.30 MAX	0.40-1.06	0.025	0.060	-	-	-	-	-	-	380 MIN	J14	205 MIN 35/28 85 HRB MAX
21 ASTMA334/6	0.30 MAX	0.29-1.06	0.025	0.060	0.10 MIN	-	-	-	-	-	415 MIN	J14	240 MIN 30/22 90 HRB MAX
22 ASTMA335/P1	0.10-0.20	0.30-0.80	0.025	0.025	0.10-0.50	-	-	0.44-0.65	-	-	380 MIN	-	205 MIN 20
23 ASTMA335/P2	0.10-0.20	0.30-0.61	0.025	0.025	0.10-0.30	0.50-0.81	-	0.44-0.65	-	-	380 MIN	-	205 MIN 20
24 ASTMA335/P5	0.15 MAX	0.30-0.60	0.025	0.025	0.50 MAX	4.00-6.00	-	0.44-0.65	-	-	415 MIN	-	205 MIN 20
25 ASTMA335/P11	0.15 MAX	0.30-0.60	0.025	0.025	0.50-1.00	1.00-1.50	-	0.44-0.65	-	-	415 MIN	-	205 MIN 20
26 ASTMA335/P12	0.15 MAX	0.30-0.61	0.025	0.025	0.50 MAX	0.80-1.25	-	0.44-0.65	-	-	415 MIN	-	205 MIN 20
27 ASTMA335/P22	0.15 MAX	0.30-0.61	0.025	0.025	0.50 MAX	1.90-2.60	-	0.87-1.13	-	-	415 MIN	-	205 MIN 20
28 BS/3059/1/33	0.15 MAX	0.30-0.70	0.050	0.050	-	-	-	-	-	-	324-441	-	186 MIN 25
29 BS/3059/2/33	0.15 MAX	0.40-0.70	0.050	0.050	0.10-0.35	-	-	-	-	-	324-441	-	186 MIN 21
30 BS/3059/2/45	0.12-0.18	0.90-1.20	0.040	0.035	0.10-0.35	-	-	-	-	-	441-560	-	245 MIN 22
31 BS/3059/1/620	0.10-0.15	0.40-0.70	0.040	0.035	0.10-0.35	0.70-1.10	-	0.45-0.65	-	-	441-618	-	245 MIN 22
32 DIN/1775/ST 35.8	0.17 MAX	0.40 MIN	0.040	0.040	0.35 MAX	-	-	-	-	-	340-441	-	235 MIN 25
33 DIN/1775/ST 45.8	0.22 MAX	0.45 MIN	0.040	0.040	0.10-0.35	-	-	-	-	-	441-540	-	255 MIN 25
34 DIN/1775/15MO3	0.12-0.20	0.50-0.80	0.040	0.040	0.15-0.35	-	-	0.25-0.35	-	-	441-540	-	284 MIN 21
35 DIN/1775/13CRM044	0.10-0.18	0.40-0.70	0.040	0.040	0.15-0.35	0.70-1.00	-	0.40-0.50	-	-	441-540	-	294 MIN 22
36 SAE52100	0.98-1.10	0.20-0.45	0.025	0.025	0.10-0.35	1.30-1.60	-	0.10 min	-	-	-	-	-

# 13

## Spiral & L-saw welded pipe



## WEIGHT IN KGS. PER RUNNING MTR & ITS CORRESPONDING TEST PRESSURE

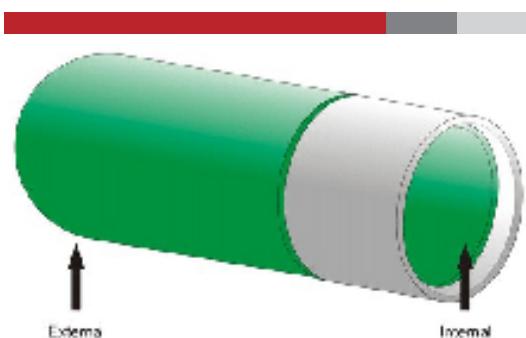
OD in Inch (mm)	16" (406.4)		18" (457.2)		20" (508)		22" (558.8)		24" (609.6)		26" (660.4)		28" (711.2)		30" (762)		32" (812.8)		34" (863.6)		36" (914.4)		38" (965.2)	
	WT in mm	Weight in Kg/Rmtr.	TP in Kg/cm <sup>2</sup>	Weight in Kg/Rmtr.	TP in Kg/cm <sup>2</sup>	Weight in Kg/Rmtr.	TP in Kg/cm <sup>2</sup>	Weight in Kg/Rmtr.	TP in Kg/cm <sup>2</sup>	Weight in Kg/Rmtr.	TP in Kg/cm <sup>2</sup>	Weight in Kg/Rmtr.	TP in Kg/cm <sup>2</sup>	Weight in Kg/Rmtr.	TP in Kg/cm <sup>2</sup>	Weight in Kg/Rmtr.	TP in Kg/cm <sup>2</sup>	Weight in Kg/Rmtr.	TP in Kg/cm <sup>2</sup>	Weight in Kg/Rmtr.	TP in Kg/cm <sup>2</sup>	Weight in Kg/Rmtr.	TP in Kg/cm <sup>2</sup>	Weight in Kg/Rmtr.
5.0	49.49	35	55.76	31	62.02	28	68.28	26	74.55	24	80.81	22	87.07	20	93.34	19	99.60	18	105.87	17	112.13	16	118.39	15
5.5	54.37	39	61.26	35	68.15	31	75.04	28	81.93	26	88.82	24	95.71	22	102.60	21	109.49	19	116.38	18	123.27	17	130.16	16
6.0	59.24	42	66.76	38	74.28	34	81.79	31	89.31	28	96.83	26	104.34	24	111.86	23	119.37	21	126.89	20	134.41	19	141.92	18
6.5	64.10	46	72.24	41	80.39	37	88.53	33	96.67	31	104.81	28	112.96	26	121.10	25	129.24	23	137.38	22	145.53	20	153.67	19
7.0	68.94	50	77.71	44	86.48	40	95.25	36	104.02	33	112.79	30	121.56	28	130.33	26	139.10	25	147.87	23	156.64	22	165.40	21
7.5	73.78	51	83.17	47	92.57	42	101.96	39	111.36	35	120.75	33	130.15	30	139.54	28	148.94	27	158.34	25	167.73	24	177.13	22
8.0	78.60	51	88.62	50	98.64	45	108.66	41	118.68	38	128.71	35	138.73	32	148.75	30	158.77	28	168.79	27	178.81	25	188.84	24
8.5	83.40	51	94.05	51	104.70	48	115.35	44	126.00	40	136.64	37	147.29	34	157.94	32	168.59	30	179.24	28	189.89	27	200.53	25
9.0	88.20	51	99.47	51	110.75	51	122.02	46	133.30	42	144.57	39	155.85	36	167.12	34	178.40	32	189.67	30	200.94	28	212.22	27
9.5	92.98	51	104.88	51	116.78	51	128.68	49	140.59	45	152.49	41	164.39	38	176.29	36	188.19	34	200.09	32	211.99	30	223.89	28
10.0	97.75	51	110.28	51	122.81	51	135.33	51	147.86	47	160.39	44	172.92	40	185.44	38	197.97	35	210.50	33	223.03	31	235.55	30
10.5	102.51	51	115.66	51	128.82	51	141.97	51	155.12	50	168.28	46	181.43	42	194.59	40	207.74	37	220.89	35	234.05	33	247.20	31
11.0	107.26	51	121.04	51	134.82	51	148.60	51	162.38	51	176.16	48	189.94	44	203.72	42	217.50	39	231.28	37	245.06	35	258.84	33
11.5	111.99	51	126.40	51	140.80	51	155.21	51	169.62	51	184.02	50	198.43	46	212.83	43	227.24	41	241.65	38	256.05	36	270.46	34
12.0	116.71	51	131.74	51	146.78	51	161.81	51	176.84	51	191.87	51	206.91	49	221.94	45	236.97	42	252.01	40	267.04	38	282.07	36
12.5	121.42	51	137.08	51	152.74	51	168.40	51	184.06	51	199.72	51	215.37	51	231.03	47	246.69	44	262.35	42	278.01	39	293.67	37
13.0	126.12	51	142.40	51	158.69	51	174.97	51	191.26	51	207.64	51	223.83	51	240.11	49	256.40	46	272.69	43	288.97	41	305.26	39
13.5	130.80	51	147.71	51	164.62	51	181.54	51	198.45	51	215.36	51	232.27	51	249.18	51	266.09	48	283.01	45	299.92	42	316.83	40
14.0	135.47	51	153.01	51	170.55	51	188.09	51	205.62	51	223.16	51	240.70	51	258.24	51	257.78	50	293.32	47	310.85	44	328.39	42
14.5	140.13	51	158.30	51	176.46	51	194.63	51	212.79	51	230.95	51	249.12	51	267.28	51	285.45	51	303.61	48	321.78	46	339.94	43
15.0	144.78	51	163.57	51	182.36	51	201.15	51	219.94	51	238.73	51	257.52	51	276.32	51	295.11	51	313.90	51	332.69	47	351.48	45
15.5	149.41	51	168.83	51	188.25	51	207.67	51	227.08	51	246.50	51	265.92	51	285.33	51	304.75	51	324.17	51	343.59	49	363.00	46
16.0	154.04	51	174.08	51	194.12	51	214.17	51	234.21	51	254.25	51	274.30	51	294.34	51	314.39	51	334.43	51	354.47	50	374.52	48
16.5	158.65	51	179.32	51	199.99	51	220.66	51	241.33	51	262.00	51	282.67	51	303.34	51	324.01	51	344.68	51	365.35	51	386.02	49
17.0	163.24	51	184.54	51	205.84	51	227.13	51	248.43	51	269.73	51	291.02	51	312.32	51	333.62	51	354.91	51	376.21	51	397.50	51
17.5	167.83	51	189.75	51	211.68	51	233.60	51	255.52	51	277.44	51	299.37	51	321.29	51	343.21	51	365.13	51	387.06	51	408.98	51
18.0	172.40	51	194.95	51	217.50	51	240.05	51	262.60	51	285.15	51	307.70	51	330.25	51	352.80	51	375.34	51	397.89	51	420.44	51
18.5	176.96	51	200.14	51	223.31	51	246.49	51	269.67	51	292.84	51	316.02	51	339.19	51	362.37	51	385.54	51	408.72	51	431.89	51
19.0	181.51	51	205.31	51	229.12	51	252.92	51	276.72	51	300.52	51	324.32	51	348.13	51	371.93	51	395.73	51	419.53	51	443.33	51
19.5	186.05	51	210.48	51	234.90	51	259.33	51	283.76	51	308.19	51	332.62	51	357.05	51	381.47	51	405.90	51	430.33	51	454.76	51
20.0	190.57	51	215.63	51	240.68	51	265.74	51	290.79	51	315.85	51	340.90	51	365.95	51	391.01	51	416.06	51	441.12	51	466.17	51
20.5	195.08	51	220.76	51	246.45	51	272.13	51	297.81	51	323.49	51	349.17	51	374.85	51	400.53	51	426.21	51	451.89	51	477.57	51
21.0	199.58	51	225.89	51	252.20	51	278.51	51	304.81	51	331.12	51	357.43	51	383.73	51	410.04	51	436.35	51	462.66	51	488.96	51
21.5	204.07	51	231.00	51	257.94	51	284.87	51	311.80	51	338.74	51	365.67	51	392.61	51	419.54	51	446.47	51	473.41	51	500.34	51
22.0	208.54	51	236.10	51	263.66	51	291.22	51	318.78	51	346.34	51	373.90	51	401.46	51	429.02	51	456.58	51	484.14	51	511.70	51
22.5	213.01	51	241.19	51	269.38	51	297.57	51	325.75	51	353.94	51	382.13	51	410.31	51	438.50	51	466.68	51	494.87	51	523.06	51
23.0	217.46	51	246.27	51	275.08	51	303.90	51	332.71	51	361.52	51	390.33	51	419.15	51	447.96	51	476.77	51	505.58	51	534.40	51
23.5	221.89	51	251.33	51	280.77	51	310.21	51	339.65	51	369.09	51												

40" (1016)		42" (1066.8)		44" (1117.6)		46" (1168.4)		48" (1219.2)		50" (1270)		52" (1320.8)		54" (1371.6)		56" (1422.4)		58" (1473.2)		60" (1524)		62" (1574.8)		64" (1625.6)	
Weight in Kg/Rmtr.	TP in Kg/cm <sup>2</sup>																								
124.66	14	130.92	13	137.18	13	143.45	12	149.71	12	155.97	11	162.24	11	164.80	10	174.77	10	181.03	10	187.29	9	193.56	9	199.82	9
137.05	16	143.94	15	150.83	14	157.72	14	164.61	13	171.50	12	178.39	12	181.22	12	192.17	11	199.06	11	205.95	10	212.84	10	219.73	10
149.44	17	156.96	16	164.47	15	171.99	15	179.51	14	187.02	14	194.54	13	197.62	13	209.57	12	217.09	12	224.60	11	232.12	11	239.64	11
161.81	18	169.96	18	178.10	17	186.24	16	194.38	15	202.53	15	210.67	14	214.00	14	226.95	13	235.10	13	243.24	12	251.38	12	259.53	11
174.17	20	182.94	19	191.71	18	200.48	17	209.25	17	218.02	16	226.79	15	230.38	15	244.33	14	253.10	14	261.86	13	270.63	13	279.40	12
186.52	21	195.92	20	205.31	19	214.71	18	224.10	18	233.50	17	242.89	16	246.74	16	261.69	15	271.08	15	280.48	14	289.87	14	299.27	13
198.86	23	208.88	22	218.90	21	228.92	20	238.95	19	248.97	18	258.99	17	263.09	17	279.03	16	289.05	16	299.08	15	309.10	15	319.12	14
211.18	24	221.83	23	232.48	22	243.13	21	253.77	20	264.42	19	275.07	19	279.43	18	296.37	17	307.02	17	317.66	16	328.31	16	338.96	15
223.49	25	234.77	24	246.04	23	257.32	22	268.59	21	279.87	20	291.14	20	295.76	19	313.69	18	324.96	18	336.24	17	347.51	16	358.79	16
235.79	27	247.69	26	259.59	24	271.50	23	283.40	22	295.30	22	307.20	21	312.07	20	331.00	19	342.90	19	354.80	18	366.70	17	378.60	17
248.08	28	260.61	27	273.13	26	285.66	25	298.19	24	310.72	23	323.24	22	328.37	21	348.30	20	360.83	20	373.35	19	385.88	18	398.41	18
260.35	30	273.51	28	286.66	27	299.82	26	312.97	25	326.12	24	339.28	23	344.66	22	365.58	21	378.74	20	391.89	20	405.04	19	418.20	19
272.62	31	286.40	30	300.18	28	313.96	27	327.74	26	341.52	25	355.30	24	360.94	23	382.86	22	396.64	21	410.42	21	424.20	20	437.98	19
284.87	33	299.27	31	313.68	30	328.09	28	342.49	27	356.90	26	371.30	25	377.20	24	400.12	23	414.52	22	428.93	22	443.34	21	457.74	20
297.10	34	312.14	32	327.17	31	342.20	30	357.23	28	372.27	27	387.30	26	393.46	25	417.37	24	432.40	23	447.43	23	462.46	22	477.50	21
309.33	35	324.99	34	340.65	32	356.31	31	371.97	29	387.62	28	403.28	27	409.70	26	434.60	25	450.26	24	465.92	24	481.58	23	497.24	22
321.54	37	337.83	35	354.11	33	370.40	32	386.68	31	402.97	29	419.25	28	425.92	27	451.83	26	468.11	25	484.40	25	500.68	24	516.97	23
333.74	38	350.65	36	367.57	35	384.48	33	401.39	32	418.30	31	435.21	29	442.14	28	469.04	27	485.95	26	502.86	25	519.77	25	536.68	24
345.93	40	363.47	38	381.01	36	398.55	34	416.08	33	433.62	32	451.16	30	458.34	29	486.24	28	503.77	27	521.31	26	538.85	26	556.39	25
358.11	41	376.27	39	394.44	37	412.60	36	430.76	34	448.93	33	467.09	32	474.53	30	503.42	29	521.59	28	539.75	27	557.92	26	576.08	26
370.27	42	389.06	40	407.85	39	426.64	37	445.43	35	464.22	34	483.02	33	490.71	31	520.60	30	539.39	29	558.18	28	576.97	27	595.76	27
382.42	44	401.84	42	421.26	40	440.67	38	460.09	37	479.51	35	498.92	34	506.88	32	537.76	31	557.18	30	576.59	29	596.01	28	615.43	27
394.56	45	414.60	43	434.65	41	454.69	39	474.73	38	494.78	36	514.82	35	523.82	34	554.91	32	574.95	31	595.00	30	615.04	29	635.08	28
406.69	47	427.36	44	448.03	42	468.70	41	489.37	39	510.04	37	530.71	36	539.17	35	572.05	33	592.72	32	613.39	31	634.06	30	654.73	29
418.80	48	440.10	46	461.39	44	482.69	42	503.99	40	525.28	38	546.58	37	555.30	36	589.17	34	610.47	33	631.76	32	653.06	31	674.36	30
430.90	50	452.83	47	474.75	45	496.67	43	518.59	41	540.52	40	562.44	38	571.42	37	606.28	35	628.21	34	650.13	33	672.05	32	693.98	31
442.99	51	465.54	49	488.09	46	510.64	44	533.19	42	555.74	41	578.29	39	587.52	38	623.39	36	645.93	35	668.48	34	691.03	33	713.58	32
455.07	51	478.24	50	501.42	48	524.60	46	547.77	44	570.95	42	594.12	40	603.61	39	640.47	37	663.65	36	686.82	35	710.00	34	733.18	33
467.13	51	490.94	51	514.74	49	538.54	47	562.34	45	586.14	43	609.95	41	619.69	40	657.55	38	681.35	37	705.15	36	728.95	35	752.76	34
479.19	51	503.62	51	528.04	50	552.47	48	576.90	46	601.33	44	625.76	42	635.76	41	674.61	39	699.04	38	723.47	37	747.90	36	772.33	34
491.23	51	516.28	51	541.34	51	566.39	49	591.45	47	616.50	45	641.55	44	651.81	42	691.66	40	716.72	39	741.77	38	766.83	37	791.88	35
503.26	51	528.94	51	554.62	51	580.30	50	605.98	48	631.66	46	657.34	45	667.86	43	708.70	41	734.38	40	760.06	39	785.75	37	811.43	36
515.27	51	541.58	51	567.89	51	594.19	51	620.50	50	646.81	48	673.11	46	683.89	44	725.73	42	752.04	41	778.34	40	804.65	38	830.96	37
527.27	51	554.21	51	581.14	51	608.07	51	635.01	51	661.94	49	688.88	47	699.90	45	742.74	43	769.68	42	796.61	41	823.54	39	850.48	38
539.26	51	566.82	51	594.38	51	621.94	51	649.50	51	677.06	50	704.62	48	715.91	46	759.75	44	787.31	43	814.87	42	842.43	40	869.99	39
551.																									

# 16

# Coating Facilities

We also execute various type of coating for preventing corrosion on pipe's surface both internal as well as external as per IS standards.



## 1. Liquid Epoxy Coating

Two part epoxy coatings are applied for heavy duty service on metal substrates. The coat dries quickly providing a tough, protective surface with excellent hardness. Coating is done as per IS Standard with Airless Spray Techniques.

Excellent corrosion resistance  
Good resistant to water, alcohol, solvents & chemicals.  
Good mechanical strength & abrasion resistance  
Excellent flexibility & hardness.



## 2. Cement Mortar Lining

Cement-mortar lining is done inside the surface of pipe. These pipes are commonly used for water distribution. Coating is done as per IS standard or as per customer-specification.



## 3. Guniting (External Cement Coating)

Guniting is also known as external cement coating, mostly used for water and sewage.



#### 4. Coal-Tar Tape Coating

Coal tar tape coating is done as per IS standard First the pipe is sand blasted and after that a coat of primer and then coal tar tape is wrapped with heating application.

Coal tar tape is excellent resistance to heat, water and cathodic disbondmen.



#### 5. Epoxy Based Painting (Internal / External)

Epoxy Zinc rich primer provides outstanding performance in highly corrosive environment. Metallic Zinc imparts cathodic protection to the base metal. This can be TOP-COATED with Epoxy Paints, Polyurethane Paints, and Enamel Paints for specific applications with Airless Spray Techniques.

Provides excellent adhesion on cleaned steel work  
Builds high DFT in single coat  
Excellent corrosion resistance  
With Suitable TOP-COAT, it resists most salts & alkalis  
Good abrasion resistance



#### 6. External Varnish

Pipe varnish compositions, after application, form a thin film on steel pipe surfaces and after curing form a hard essentially non-oily film which protects steel pipes against corrosion during storage for substantial periods of time.

## Hammer Union

Range from 2" to 6" with cold working pressure from 500 to 20000 PSI.



## Pup Joint

Pup joint are short drill pipe used to adjust the length of the drill string and are available in standard lengths of 5', 10', 15', 20' and can be ordered to match other drill pipe dimensions.

Pup joint are manufacture from AISI 4145H or 4140H-modified alloy.



# Services

Repair / Trading/ Testing

We have the expertise in Re-Threading :-

Drill Pipes, Drill Collar

Non-Magnetic Steel Stabilizers & Steel Drill Stem Components

As per your Product.



# 17

## Drilling Product

### CROSSOVER SUBS

Crossover subs are available with :

- Box X Pin
- Box X Box
- Pin X Pin connections.

Crossover Subs are manufactured from AISI 4145M or 4140HT alloy steel.

The connections are protected by a phosphate surface coating that minimum galling in initial make-up.

### FLOAT SUBS

Float subs are critical items in the drill string.

Float subs manufactured to suit your requirements including float subs with double shoulder proprietary connection available.

All types of connection and sizes available as per API.

### BIT SUBS

Size availability ranges from 3-1/8" to 12" OD and 36" to 48" in length.

### KELLY SAVER SUBS

The Kelly Saver Sub is used to extend the life of the Kelly by taking the connection wear each time it is made up to a drill stem component. Kelly Saver subs are manufactured from AISI 4145M or 4140HT material grade.

### LIFTING SUBS

Lift substitute are manufactured from Alloy steel AISI 4145H or 4140HT modified, in accordance to the requirement of API spec 7-1.





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