

Nominal Size		Outside Diameter	Nominal Wall Thickness & Weight for Welded & Seamless Steel Pipe ASME B36.10										Dimensions (mm) <i>Weight (kg/m)</i>				
DN	NPS	mm	STD	EXTRA STRONG	XX STRONG	SCHED. 10	SCHED. 20	SCHED. 30	SCHED. 40	SCHED. 60	SCHED. 80	SCHED. 100	SCHED. 120	SCHED. 140	SCHED. 160		
6	1/8	10.3	1.73 <i>0.37</i>	2.41 <i>0.47</i>	-	-	-	-	SAME AS STANDARD WT. (Std. WT.)	-	SAME AS EXTRA STRONG WT. (X.S.)	-	-	-	-		
8	1/4	13.7	2.24 <i>0.63</i>	3.02 <i>0.80</i>	-	-	-	-		-		-	-	-	-		
10	3/8	17.1	2.31 <i>0.84</i>	3.20 <i>1.10</i>	-	-	-	-		-		-	-	-	-		
15	1/2	21.3	2.77 <i>1.27</i>	3.73 <i>1.62</i>	7.47 <i>2.55</i>	-	-	-		-		-	-	-	4.78 <i>1.95</i>		
20	3/4	26.7	2.87 <i>1.69</i>	3.91 <i>2.20</i>	7.82 <i>3.64</i>	-	-	-		-		-	-	-	5.56 <i>2.90</i>		
25	1	33.4	3.38 <i>2.50</i>	4.55 <i>3.24</i>	9.09 <i>5.45</i>	-	-	-		-		-	-	-	6.35 <i>4.24</i>		
32	1 - 1/4	42.2	3.56 <i>3.39</i>	4.85 <i>4.47</i>	9.7 <i>7.77</i>	-	-	-		-		-	-	-	6.35 <i>5.61</i>		
40	1 - 1/2	48.3	3.68 <i>4.05</i>	5.08 <i>5.41</i>	10.15 <i>9.56</i>	-	-	-		-		-	-	-	7.14 <i>7.25</i>		
50	2	60.3	3.91 <i>5.44</i>	5.54 <i>7.48</i>	11.07 <i>13.44</i>	-	-	-		-		-	-	-	8.74 <i>11.11</i>		
65	2 - 1/2	73.0	5.16 <i>8.63</i>	7.01 <i>11.41</i>	14.02 <i>20.39</i>	-	-	-		-		-	-	-	9.53 <i>14.92</i>		
80	3	88.9	5.49 <i>11.29</i>	7.62 <i>15.27</i>	15.24 <i>27.67</i>	-	-	-		-		-	-	-	11.13 <i>21.35</i>		
90	3 - 1/2	101.6	5.74 <i>13.57</i>	8.08 <i>18.63</i>	-	-	-	-		-		-	-	-	-		
100	4	114.3	6.02 <i>16.07</i>	8.56 <i>22.32</i>	17.12 <i>41.03</i>	-	-	-		-		-	-	-	11.13 <i>28.32</i>	-	13.49 <i>33.54</i>
125	5	141.3	6.55 <i>21.77</i>	9.53 <i>30.97</i>	19.05 <i>57.43</i>	-	-	-		-		-	-	-	12.7 <i>40.28</i>	-	15.88 <i>49.11</i>
150	6	168.3	7.11 <i>28.26</i>	10.97 <i>42.56</i>	21.95 <i>79.22</i>	-	-	-		-		-	-	-	14.27 <i>54.20</i>	-	18.26 <i>67.56</i>
200	8	219.1	8.18 <i>42.55</i>	12.7 <i>64.64</i>	22.23 <i>107.92</i>	-	6.35 <i>33.31</i>	7.04 <i>36.81</i>		-		10.31 <i>53.08</i>	-	15.09 <i>75.92</i>	18.26 <i>90.44</i>	20.62 <i>100.92</i>	23.01 <i>111.27</i>
250	10	273.1	9.27 <i>60.31</i>	12.7 <i>81.55</i>	25.4 <i>155.15</i>	-	6.35 <i>41.77</i>	7.8 <i>51.03</i>	10.31 <i>79.73</i>	XS <i>81.55</i>	15.09 <i>96.01</i>	18.26 <i>114.75</i>	21.44 <i>133.06</i>	XXS <i>155.15</i>	28.58 <i>172.33</i>		
300	12	323.9	9.53 <i>73.88</i>	12.7 <i>97.46</i>	25.4 <i>186.97</i>	-	6.35 <i>49.73</i>	8.38 <i>65.20</i>	10.31 <i>79.73</i>	14.27 <i>108.96</i>	17.48 <i>132.08</i>	21.44 <i>159.91</i>	XXS <i>186.97</i>	28.58 <i>208.14</i>	33.32 <i>238.76</i>		
350	14	355.6	9.53 <i>81.33</i>	12.7 <i>107.10</i>	-	6.35 <i>54.59</i>	7.92 <i>67.90</i>	Std.WT. <i>81.33</i>	11.13 <i>94.55</i>	15.09 <i>126.70</i>	19.05 <i>158.10</i>	23.83 <i>194.96</i>	27.79 <i>224.65</i>	31.75 <i>253.56</i>	35.71 <i>281.70</i>		
400	16	406.4	9.53 <i>93.27</i>	12.7 <i>123.30</i>	-	6.35 <i>62.64</i>	7.92 <i>77.83</i>	Std.WT. <i>93.27</i>	XS <i>123.30</i>	16.66 <i>160.12</i>	21.44 <i>203.53</i>	26.19 <i>245.56</i>	30.96 <i>286.64</i>	36.53 <i>333.19</i>	40.49 <i>365.35</i>		
450	18	457	9.53 <i>105.16</i>	12.7 <i>139.15</i>	-	6.35 <i>70.57</i>	7.92 <i>87.71</i>	11.13 <i>122.38</i>	14.27 <i>155.80</i>	19.05 <i>205.74</i>	23.83 <i>254.55</i>	29.36 <i>309.62</i>	34.93 <i>363.56</i>	39.67 <i>408.26</i>	45.24 <i>459.37</i>		
500	20	508	9.53 <i>117.15</i>	12.7 <i>155.12</i>	-	6.35 <i>78.55</i>	Std.WT. <i>117.15</i>	XS <i>155.12</i>	15.09 <i>183.42</i>	20.62 <i>247.83</i>	26.19 <i>311.17</i>	32.54 <i>381.53</i>	38.1 <i>441.49</i>	44.45 <i>508.11</i>	50.01 <i>564.81</i>		
550	22	559	9.53 <i>129.13</i>	12.7 <i>171.09</i>	-	6.35 <i>86.54</i>	Std.WT. <i>129.13</i>	XS <i>171.09</i>	-	22.23 <i>294.25</i>	28.58 <i>373.83</i>	34.93 <i>451.42</i>	41.28 <i>527.05</i>	47.63 <i>600.63</i>	53.98 <i>672.26</i>		
600	24	610	9.53 <i>141.12</i>	12.7 <i>187.06</i>	-	6.35 <i>94.53</i>	Std.WT. <i>141.12</i>	14.27 <i>209.64</i>	17.48 <i>255.41</i>	24.61 <i>355.26</i>	30.96 <i>442.08</i>	38.89 <i>547.71</i>	46.02 <i>640.03</i>	52.37 <i>720.15</i>	59.54 <i>808.22</i>		
650	26	660	9.53 <i>152.87</i>	12.7 <i>202.72</i>	-	7.92 <i>127.36</i>	XS <i>202.72</i>	-	-	-	-	-	-	-	-		
700	28	711	9.53 <i>164.85</i>	12.7 <i>218.69</i>	-	7.92 <i>137.32</i>	XS <i>218.69</i>	15.88 <i>271.21</i>	-	-	-	-	-	-	-		
750	30	762	9.53 <i>176.84</i>	12.7 <i>234.67</i>	-	7.92 <i>147.28</i>	XS <i>234.67</i>	15.88 <i>292.18</i>	-	-	-	-	-	-	-		
800	32	813	9.53 <i>188.82</i>	12.7 <i>250.64</i>	-	7.92 <i>157.24</i>	XS <i>250.64</i>	15.88 <i>312.15</i>	17.48 <i>342.91</i>	-	-	-	-	-	-		
850	34	864	9.53 <i>200.31</i>	12.7 <i>266.61</i>	-	7.92 <i>167.20</i>	XS <i>266.61</i>	15.88 <i>332.12</i>	17.48 <i>364.90</i>	-	-	-	-	-	-		
900	36	914	9.53 <i>212.56</i>	12.7 <i>282.27</i>	-	7.92 <i>176.96</i>	XS <i>282.27</i>	15.88 <i>351.7</i>	19.05 <i>420.42</i>	-	-	-	-	-	-		
1050	42	1067	9.53 <i>248.52</i>	12.7 <i>330.19</i>	-	-	-	-	-	-	-	-	-	-	-		

Formula used to attain approximate mass in kilograms per metre (kg/m) for Steel Round Pipe and Tubing

$$m = (D - t) t \times 0.02466$$

Where: m = mass to the nearest 0.01 kg/m  
D = Outside Diameter in millimetres  
(To nearest 0.1mm for OD up to 406.4mm)  
(To nearest 1.0mm for OD 457mm and above)  
t = Wall Thickness to nearest 0.01mm

EXAMPLE: [ Nominal Size  
DN300 NPS12  
OD = 323.9mm  
W.T. = 9.53mm ] [ Step 1. 323.9 - 9.53 = 314.37  
Step 2. 314.37 x 9.53 = 2995.9461  
Step 3. 2995.9461 x 0.02466  
= 73.88kg/m ]