

Tab 1. Dimensional range and Cost categories - Hot rolled tubes for carbon boilers made in Workshop no.2 CPE

ARTROM STEEL TUBES

WT	mm	2.3	2.6	2.77	2.87	2.9	3.2	3.6	3.91	4	4.5	5	5.5	6.02	6.3	7.1	7.62	8.0	8.56	8.8	9.5	10.0	11.0	11.13	12.5	
	in	0.091	0.102	0.109	0.113	0.114	0.126	0.142	0.154	0.157	0.177	0.197	0.217	0.237	0.248	0.280	0.300	0.315	0.337	0.346	0.375	0.394	0.433	0.438	0.492	
OD		Min -Max Length (m)																								
mm	in																									
21.3	0.839	6-12	6-12	6-12	6-12	6-12	6-12	6-12																		
26.7	1.051	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12																	
26.9	1.059	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12																	
28.0	1.102		6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12																
30.0	1.181		6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12															
31.8	1.252		6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12														
33.4	1.315		6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12													
33.7	1.327		6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12												
38.0	1.496		6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12												
42.2	1.661		6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12											
42.4	1.669		6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12											
48.3	1.902		6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12									
51.0	2.008		6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12							
54.0	2.126			6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12						
57.0	2.244			6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12					
60.3	2.374			6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12				
63.5	2.500			6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12			
70.0	2.756			6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12		
73.0	2.874			7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13		
76.1	2.996			7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	
82.5	3.248					7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	
88.9	3.500					6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	
95.0	3.740					7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	
101.6	4.000					7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	
108.0	4.252					7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	
114.3	4.500					7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	7-13	
121.0	4.760														6-12	6-12	7.0-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	6-12	
127.0	5.000																				6-12	6-12	5.5-11	5.5-11	5.5-11	
134.0	5.276																					5.8-11.8	5.5-11.4	7-10	7-10	7-9

HP1 Category      HP2 Category      HP3 Category      HP4 Category

Polygonal aspect at ID being within the tolerances (OD/WT<=8)

This dimensional range can also be applied quenching and tempering