

Tab. 3 SEAMLESS PRECISION STEEL TUBES

WT	mm	1.5	1.6	2	2.2	2.5	2.8	3	3.5	4	4.5	5	5.5	6	7	8	9	10	12	14	16	18	20
OD		Length min-max (m)																					
mm	tol.																						
16	±0.08	5-16	5-15	5-14.5	5-14.5	5-14.5	5-14.5	5-14															
18		5-5-16	5-16	5-15	5-15	5-15	5-15	5-15	5-16	5-16													
20				5-14.5	5-14.5	5-14.5	5-14.5	5-14	5-13.5	5-16	5-16	5-16	5-16	5-16									
22				5-14	5-14	5-13.5	5-13.5	5-13	5-16	5-16	5-16	5-16	5-16	5-16									
25				5-14.5	5-14.5	5-14.5	5-14.5	5-14	5-14.5	5-16	5-16	5-16	5-16	5-16	5-14	5-14							
26				5-14.5	5-14.5	5-14	5-14	5-14	5-13.5	5-16	5-16	5-16	5-16	5-16	5-16	5-13							
28				5-13.5	5-14	5-14.5	5-13.5	5-14	5-13	5-16	5-15	5-16	5-16	5-16	5-12	5-12							
30	±0.15			5-15	5-15	5-15	5-15.5	5-15	5-14	5-16	5-14.5	5-16	5-16	5-16	5-16	5-16	5-16	5-16					
32				5-15.5	5-15	5-14.5	5-14.5	5-14.5	5-15	5-13.5	5-15.5	5-15	5-15	5-15	5-14.5	5-15	5-15	5-15					
35				5-15	5-15	5-15	5-15	5-15	5-15	5-15	5-16	5-16	5-16	5-16	5-16	5-14.5	5-14.5	5-13.5					
38				5-15	5-14	5-14	5-15	5-14	5-14	5-14	5-14	5-16	5-16	5-16	5-15	5-13	5-12	5-12	5-16				
40				5-16	5-15	5-15	5-15	5-16	5-16	5-16	5-15	5-14	5-14	5-14	5-12	5-12	5-12	5-11.5					
42				5-16	5-15	5-15	5-15	5-15	5-16	5-16	5-16	5-16	5-16	5-16	5-11	5-11	5-11	5-11	5-10				
45				5-15.5	5-15.5	5-15.5	5-15.5	5-16	5-16	5-16	5-16	5-16	5-15.5	5-15.5	5-12.5	5-13	5-13.5	5-12					
48	±0.20					5-14	5-14	5-14	5-14.5	5-16	5-15.5	5-15.5	5-15.5	5-15	5-9.5	5-10.5	5-11.5	5-11.5	5-10.5				
50						5-13.5	5-13.5	5-14	5-14.5	5-15.5	5-15	5-15	5-15	5-14.5	5-8.5	5-10.5	5-11	5-11	5-10	5-10			
51						5-13.5	5-13.5	5-13.5	5-14.5	5-15.5	5-15	5-15	5-15	5-14.5	5-8.5	5-10.5	5-11	5-11	5-9.5	5-10			
55								5-15	5-15	5-16	5-16	5-16	5-16	5-16	5-9.5	5-9	5-10	5-11	5-9.5	5-9.5			
60								5-12.4	5-12.4	5-12.4	5-12.4	5-12.4	5-12.4	5-12.4	5-8.5	5-8.5	5-8.5	5-12	5-12	5-8			
65										5-11.5	5-11	5-11.5	5-11	5-10.5	5-8.5	5-9	5-8.5	5-12.1	5-12.1	5-12.1			
70										5-14	5-4.5	5-10	5-14	5-14	5-8.5	5-8.5	5-8.5	5-12	5-12	5-12			
75	±0.35									5-11.5	5-11.5	5-11	5-11	5-11	5-8.5	5-8	5-8.5	5-12	5-12	5-12			
80										5-11.5	5-11.5	5-10	5-9	5-10.5	5-12	5-12	5-12	5-12	5-12	5-12	5-12		
85										5-11	5-10.5	5-9.5	5-9.5	5-10	5-9.5	5-12	5-12	5-12	5-12	5-12	5-12	5-12	
90	±0.40									5-11	5-11	5-9.5	5-10.5	5-10	5-12	5-12	5-12	5-12	5-12	5-12	5-12	5-12	
95										5-11	5-11	5-9.5	5-10.5	5-10	5-12	5-12	5-12	5-12	5-12	5-12	5-12	5-12	
100																							
110	±0.50											5-12.1	5-12.1	5-12.1	5-12.1	5-12.1	5-12.1	5-12.1	5-12.1	5-11.7	5-11.6		
120												5-12.1	5-11.8	5-10.8	5-11.4	5-12.1	5-12.1	5-12.1	5-11.6	5-11.4	5-11.2	5-11	
130															5-12.1	5-12.1	5-10	5-9	5-11.4	5-11.8	5-11.6	5-11.2	5-11.1
140	±0.70														5-12.3	5-12.3	5-12.3	5-11.6	5-10.6	5-10.2	5-9.8	5-10.1	
145															5-12.3	5-12.3	5-12.3	5-12.3	5-12.3	5-12.3	5-11.2	5-10.2	5-10.1
150															5-12.3	5-12.3	5-12.3	5-12.3	5-12.2	5-12	5-11.2	5-10.6	5-9.6
155	±0.80															5-12.3	5-12.3	5-12.3	5-11.4	5-11.3	5-10.9	5-10	5-9.6
160																		5-12.3	5-12.3	5-11.8	5-11	5-11	5-10.5
165																		5-12.3	5-12	5-11.8	5-10.6	5-10.6	5-9.6
170																		5-11.6	5-11.4	5-11.2	5-10.9	5-10.6	5-9.7
175																		5-12.3	5-12.1	5-11.3	5-10.8	5-10.4	5-10
180																		5-12.3	5-12.3	5-11.5	5-11.2	5-11	5-10.7
185																		5-12.3	5-12.3	5-11.6	5-11.2	5-10.8	5-10.4
190	±1.00																	5-12.3	5-12.3	5-11.9	5-10.6	5-10.3	5-9.5
195																		5-12.3	5-10.8	5-10.8	5-10.3	5-10.3	5-9.8
200																		5-12.3	5-11.2	5-10.8	5-10.2	5-10.2	5-9.8
205																		5-12.3	5-11.7	5-10.5	5-10.3	5-9.3	5-9
210																			5-12.3	5-10.5	5-10.2	5-9.2	5-9

P1 and HC1 Category - one cold drawing

P2 and H2 Category-one cold rolling

P3 Category - two cold drawings

P4 Category - one cold rolling and one cold drawing

P5 Category - two cold rollings