

Tab. 2 Dimensions and Tolerances - Precision steel tubes for honing

WT		mm	5	6	7.5	10	12.5	15	17.5
		in	0.071	0.079	0.087	0.098	0.110	0.118	0.138
OD			ID [mm]						
mm	in	Tol [mm]							
30	1.181	± 0.08	20 -0.15/-0.35						
32	1.260	± 0.15	22 -0.15/-0.35	20 -0.15/-0.35					
35	1.378	± 0.15	25 -0.15/-0.35	23 -0.15/-0.35	20 -0.20/-0.40				
37	1.457	± 0.15	27 -0.15/-0.35	25 -0.15/-0.35	22 -0.20/-0.40				
40	1.575	± 0.15	30 -0.15/-0.35	28 -0.15/-0.35	25 -0.20/-0.40	20 -0.20/-0.40			
42	1.654	± 0.20	32 -0.15/-0.35	30 -0.15/-0.35	27 -0.20/-0.40	22 -0.20/-0.40			
44	1.732	± 0.20	34 -0.15/-0.35	32 -0.15/-0.35	29 -0.20/-0.40	24 -0.20/-0.40			
45	1.772	± 0.20	35 -0.15/-0.35	33 -0.15/-0.35	30 -0.20/-0.40	25 -0.20/-0.40			
47	1.850	± 0.20	37 -0.15/-0.35	35 -0.15/-0.35	32 -0.20/-0.40	27 -0.20/-0.40			
50	1.969	± 0.20	40 -0.15/-0.35	38 -0.15/-0.35	35 -0.20/-0.40	30 -0.20/-0.40			
52	2.047	± 0.25	42 -0.15/-0.35	40 -0.15/-0.35	37 -0.20/-0.40	32 -0.20/-0.40			
55	2.165	± 0.25	45 -0.15/-0.35	43 -0.15/-0.35	40 -0.20/-0.40	35 -0.20/-0.40			
57	2.244	± 0.25	47 -0.20/-0.45	45 -0.15/-0.35	42 -0.20/-0.40	37 -0.20/-0.40			
60	2.362	± 0.25	50 -0.20/-0.45	48 -0.20/-0.45	45 -0.20/-0.40	40 -0.20/-0.40			
62	2.441	± 0.30	52 -0.20/-0.45	50 -0.20/-0.45	47 -0.20/-0.45	42 -0.20/-0.40			
65	2.559	± 0.30	55 -0.20/-0.45	53 -0.20/-0.45	50 -0.20/-0.45	45 -0.20/-0.40			
67	2.638	± 0.30	57 -0.20/-0.45	55 -0.20/-0.45	52 -0.20/-0.45	47 -0.20/-0.45			
70	2.756	± 0.30	60 -0.20/-0.45	58 -0.20/-0.45	55 -0.20/-0.45	50 -0.20/-0.45			
72	2.835	± 0.35	62 -0.20/-0.45	60 -0.20/-0.45	57 -0.20/-0.45	52 -0.20/-0.45			
75	2.953	± 0.35	65 -0.20/-0.45	63 -0.20/-0.45	60 -0.20/-0.45	55 -0.20/-0.45	50 -0.40/-0.70		
77	3.031	± 0.35	67 -0.20/-0.45	65 -0.20/-0.45	62 -0.20/-0.45	57 -0.20/-0.45	52 -0.40/-0.70		
78	3.071	± 0.35	68 -0.20/-0.45	66 -0.20/-0.45	63 -0.20/-0.45	58 -0.20/-0.45	53 -0.40/-0.70		
80	3.150	± 0.35	70 -0.35/-0.65	68 -0.35/-0.65	65 -0.20/-0.45	60 -0.20/-0.45	55 -0.40/-0.70		
82	3.228	± 0.40	72 -0.35/-0.65	70 -0.35/-0.65	67 -0.35/-0.65	62 -0.20/-0.45	57 -0.40/-0.70		
83	3.268	± 0.40	73 -0.35/-0.65	71 -0.35/-0.65	68 -0.35/-0.65	63 -0.20/-0.45	58 -0.40/-0.70		
85	3.346	± 0.40	75 -0.35/-0.65	73 -0.35/-0.65	70 -0.35/-0.65	65 -0.20/-0.45	60 -0.40/-0.70		
87	3.425	± 0.40	77 -0.35/-0.65	75 -0.35/-0.65	72 -0.35/-0.65	67 -0.35/-0.65	62 -0.40/-0.70		
88	3.465	± 0.40	78 -0.35/-0.65	76 -0.35/-0.65	73 -0.35/-0.65	68 -0.35/-0.65	63 -0.40/-0.70		
90	3.543	± 0.40	80 -0.35/-0.65	78 -0.35/-0.65	75 -0.35/-0.65	70 -0.35/-0.65	65 -0.40/-0.70	60 -0.40/-0.70	
92	3.622	± 0.45	82 -0.35/-0.65	80 -0.35/-0.65	77 -0.35/-0.65	72 -0.35/-0.65	67 -0.40/-0.70	62 -0.40/-0.70	
95	3.740	± 0.45	85 -0.35/-0.65	83 -0.35/-0.65	80 -0.35/-0.65	75 -0.35/-0.65	70 -0.40/-0.70	65 -0.40/-0.70	
100	3.937	± 0.45	90 -0.35/-0.65	88 -0.35/-0.65	85 -0.35/-0.65	80 -0.35/-0.65	75 -0.40/-0.70	70 -0.40/-0.70	
105	4.134	± 0.50	95 -0.35/-0.65	93 -0.35/-0.65	90 -0.35/-0.65	85 -0.35/-0.65	80 -0.40/-0.70	75 -0.40/-0.70	
110	4.331	± 0.50	100 -0.35/-0.65	98 -0.40/-0.80	95 -0.35/-0.65	90 0.35/-0.65	85 -0.40/-0.70	80 -0.40/-0.70	70 -0.40/-0.70
115	4.528	± 0.50			100 -0.40/-0.80	95 0.35/-0.65	90 -0.40/-0.70	85 -0.40/-0.70	80 -0.40/-0.70

Tab. 2 Dimensions and Tolerances - Precision steel tubes for honing
(continuation)

WT	mm		7.5	10	12.5	15	17.5	20	22.5	25	27.5	30
	in		0.087	0.098	0.110	0.118	0.138	0.157	0.886	0.984	1.083	1.181
OD			ID [mm]									
mm	in	Tol [mm]										
120	4.724	±0.50	105 -0.40/-0.80	100 -0.40/-0.80	95 -0.60/-1.0	90 -0.40/-0.70	85 -0.40/-0.70	80 -0.40/-0.70				
125	4.921	±0.70	110 -0.40/-0.80	105 -0.60/-1.0	100 -0.60/-1.0	95 -0.60/-1.0	90 -0.40/-0.70	85 -0.40/-0.70				
130	5.118	±0.70	115 -0.60/-1.0	110 -0.60/-1.0	105 - 0.60/-1.0	100 - 0.60/-1.0	95 -0.60/-1.00	90 -0.40/-0.70				
135	5.315	±0.70	120 -0.60/-1.0	115 -0.60/-1.0	110 -0.60/-1.0	105 -0.60/-1.0	100 -0.6/-1.00	95 -0.60/-1.00				
140	5.512	±0.70	125 -0.60/-1.0	120 -0.60/-1.0	115 -0.60/-1.0	110 -0.60/-1.0	105 -0.60/-1.1	100 -0.60/-1.0				
145	5.708	±0.80	130 -0.60/-1.00	125 -0.60/-1.00	120 -0.60/-1.00	115 -0.60/-1.00	110 -0.60/-1.00	105 -0.6/-1.00	100 -0.60/-1.00	95 -0.60/-1.00	90 -0.40/-0.70	85 -0.40/-0.70
150	5.906	±0.80	135 -0.60/-1.10	130 -0.60/-1.00	125 -0.60/-1.00	120 -0.60/-1.00	115 -0.60/-1.00	110 -0.60/-1.00	105 -0.60/-1.00	100 -0.60/-1.00	95 -0.60/-1.00	90 -0.40/-0.70
155	6.102	±0.80	140 -0.60/-1.10	135 -0.60/-1.10	130 -0.60/-1.00	125 -0.60/-1.00	120 -0.60/-1.00	115 -0.60/-1.00	110 -0.60/-1.00	105 -0.60/-1.00	100 -0.60/-1.00	95 -0.60/-1.00
160	6.299	±0.80		140 -0.60/-1.10	135 -0.60/-1.10	130 -0.60/-1.00	125 -0.60/-1.00	120 -0.60/-1.00	115 -0.60/-1.00	110 -0.60/-1.00	105 -0.60/-1.00	100 -0.60/-1.00
165	6.496	±0.90		145 -0.60/-1.10	140 -0.60/-1.10	135 -0.60/-1.10	130 -0.60/-1.00	125 -0.60/-1.00	120 -0.60/-1.00	115 -0.60/-1.00	110 -0.60/-1.00	105 -0.60/-1.00
170	6.693	±0.90		150 -0.60/-1.10	145 -0.60/-1.10	140 -0.60/-1.10	135 -0.60/-1.10	130 -0.60/-1.00	125 -0.60/-1.00	120 -0.60/-1.00	115 -0.60/-1.00	100 -0.60/-1.00
175	6.900	±0.90		155 -0.60/-1.10	150 -0.60/-1.10	145 -0.60/-1.10	140 -0.60/-1.10	135 -0.60/-1.10	130 -0.60/-1.00	125 -0.60/-1.00	120 -0.60/-1.00	115 -0.60/-1.00
180	7.087	±0.90		160 -0.60/-1.10	155 -0.60/-1.10	150 -0.60/-1.10	145 -0.60/-1.10	140 -0.60/-1.10	135 -0.60/-1.10	130 -0.60/-1.00	125 -0.60/-1.00	120 -0.60/-1.00
185	7.283	±1.00		165 -0.70/-1.20	160 -0.60/-1.10	155 -0.60/-1.10	150 -0.60/-1.10	145 -0.60/-1.10	140 -0.60/-1.10	135 -0.60/-1.10	130 -0.60/-1.00	125 -0.60/-1.00
190	7.480	±1.00		170 -0.70/-1.20	165 -0.70/-1.20	160 -0.60/-1.10	155 -0.60/-1.10	150 -0.60/-1.10	145 -0.60/-1.10	140 -0.60/-1.10	135 -0.60/-1.10	130 -0.60/-1.00
195	7.677	±1.00		175 -0.70/1.20	170 -0.70/-1.20	165 -0.70/-1.20	160 -0.60/-1.10	155 -0.60/-1.10	150 -0.60/-1.10	145 -0.60/-1.10	140 -0.60/-1.10	135 -0.60/-1.10
200	7.878	±1.00		180 -0.70/-1.20	175 -0.70/1.20	170 -0.70/-1.20	165 -0.70/-1.20	160 -0.60/-1.10	155 -0.60/-1.10	150 -0.60/-1.10	145 -0.60/-1.10	140 -0.60/-1.10
205	8.071	±1.20			180 -0.70/-1.20	175 -0.70/-1.20	170 -0.70/1.20	165 -0.70/-1.20	160 -0.60/-1.10	155 -0.60/-1.10	150 -0.60/-1.10	145 -0.60/-1.10
210	8.268	±1.20					180 -0.70/-1.20	170 -0.70/-1.20	165 -0.70/-1.20	160 -0.60/-1.10	155 -0.60/-1.10	150 -0.60/-1.10
220	8.66	±1.20						180 -0.70/-1.20	175 -0.70/-1.20	170 -0.70/-1.20	165 -0.70/-1.20	160 -0.60/-1.10

Notes: 1. Tolerances from above table are available on by in BK, BK+S condition.
2. Intermediate sizes can be produced subject of agreement before ordering.