

12-key tenoroon, Gebrüder Hirsbrunner, Sumiswald, 1815–47			BOCAL
Length mm	A Ø mm (north to south)	B Ø mm (west to east)	Comments
0.0	5.5	5.5	
2.5	5.8	6	
5.0	5.9	6.2	
7.5	6	6.4	
10.0	6.2	6.4	
12.5	6.3	6.5	
15.0	6.3	6.4	
17.5	6.2	6.3	
20.0	6.2	6.3	
22.5	6.4	6.3	
25.0	6.5	6.4	
27.5	6.5	6.5	
30.0	6.5	6.5	
35.0	6.6	6.6	
40.0	6.6	6.8	
45.0	6.6	6.8	
50.0	6.7	6.9	
55.0	6.8	6.9	
60.0	6.9	7	
65.0	7.1	7	
70.0	7.3	7.1	
75.0	7.3	7.3	
80.0	7.4	7.4	
85.0	7.5	7.6	
90.0	7.6	7.6	
95.0	7.7	7.8	
100.0	8.1	7.9	
105.0	7.8	8	
110.0	8	8.2	
115.0	8	8.3	
120.0	8.1	8.4	
125.0	8.2	8.5	
130.0	8.4	8.6	
135.0	8.5	8.6	
140.0	8.8	8.7	
145.0	8.7	8.8	
150.0	8.9	8.7	
155.0	8.9	9	
160.0	9	9.1	
165.0	9	9.4	
170.0	8.8	9.5	
175.0	8.7	9.9	
180.0	8.7	10.2	
185.0	8.6	10.3	

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190.0	8.8	10.3	
195.0	8.8	10.2	
200.0	9.1	10	
205.0	9.5	10	
210.0	9.9	9.7	
215.0	10	9.6	
220.0	10.3	9.2	
225.0	10.4	9.2	
230.0	10.2	9.7	
235.0	10.2	10.1	
240.0	10.2	10.3	
245.0	10.2	10.4	
250.0	10.2	10.5	
255.0	10.3	10.6	
260.0	10.4	10.6	
265.0	10.5	10.7	
270.0	10.6	10.7	
275.0	10.8	10.8	
280.0	11	10.6	
285.0	10.9	10.5	
290.0	10.9	10.8	
295.0	10.8	10.8	
300.0	10.8	11.1	
305.0	10.6	11.2	
310.0	11	11.2	
315.0	11	11	
319.0	10.7	10.8	