

Duronze Ferrule Dimensions

Bamboo End		
Ferrule Size (in 64ths)	Dimensions	Std Drill Bit
9	0.141	9/64
10	0.156	5/32
11	0.172	11/64
12	0.188	3/16
13	0.203	13/64
14	0.219	7/32
15	0.234	15/64
16	0.250	1/4
17	0.266	17/64

Barrel End Drill Bits	
0.008	UnderSized
Undersized Dimension	Drill Bit
0.164	4.2mm, 0.1654
0.180	Wire GA 13, 0.1850
0.195	Wire GA 9, 0.1960
0.211	Wire GA 3, 0.2130
0.226	Wire GA 1, 0.2280
0.242	Sz D, 0.2460
0.258	Sz G, 0.2610
0.273	Sz J, 0.2770
0.289	Sz L, 0.2900

Note 1: Drilling in Duronze is difficult. Drilling hard materials is more efficient with with a broader drill point. A 135% degree point is more effective on Duronze than a std 118% point.

Note 2: Std drill bits can be used for the Bamboo End of the female and for drilling the male portion of the ferrule. Smoothness on the inner walls is not critical since bamboo is received and glued in these holes. In fact, the small grooves/roughness from drilling provide additional bonding surface for the ferrule glue.

Note 3: Using undersized bits for drilling the Female Barrel is very important. Using a bit undersized by .008 - .006 allows the reamer to remove a minimal amount of material. This results in enhanced cutting life for the reamer and most importantly, a perfectly smooth and concentric barrel hole which accepts the slide end of the male ferrule.

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J Maurer
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Reamer Size

0.172
0.188
0.203
0.219
0.234
0.250
0.266
0.281
0.297