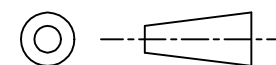


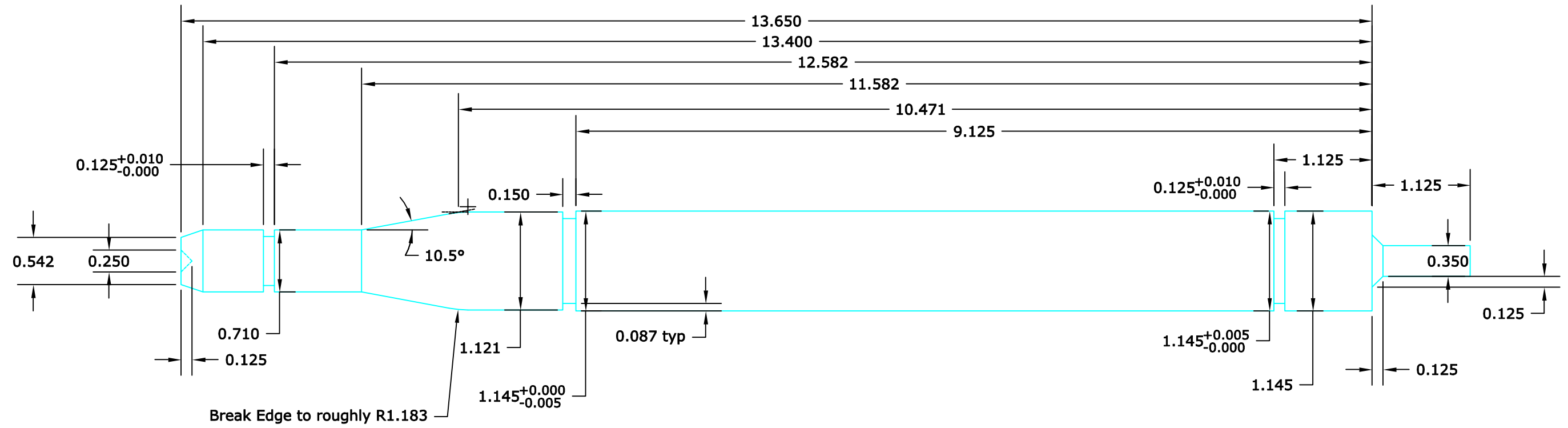
All Dimensions in Inches

Tolerance: +/- 0.005" unless otherwise noted

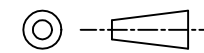


Small Mandrel
 Tim Scott
 626.272.3130

Rev B
 06/11/04



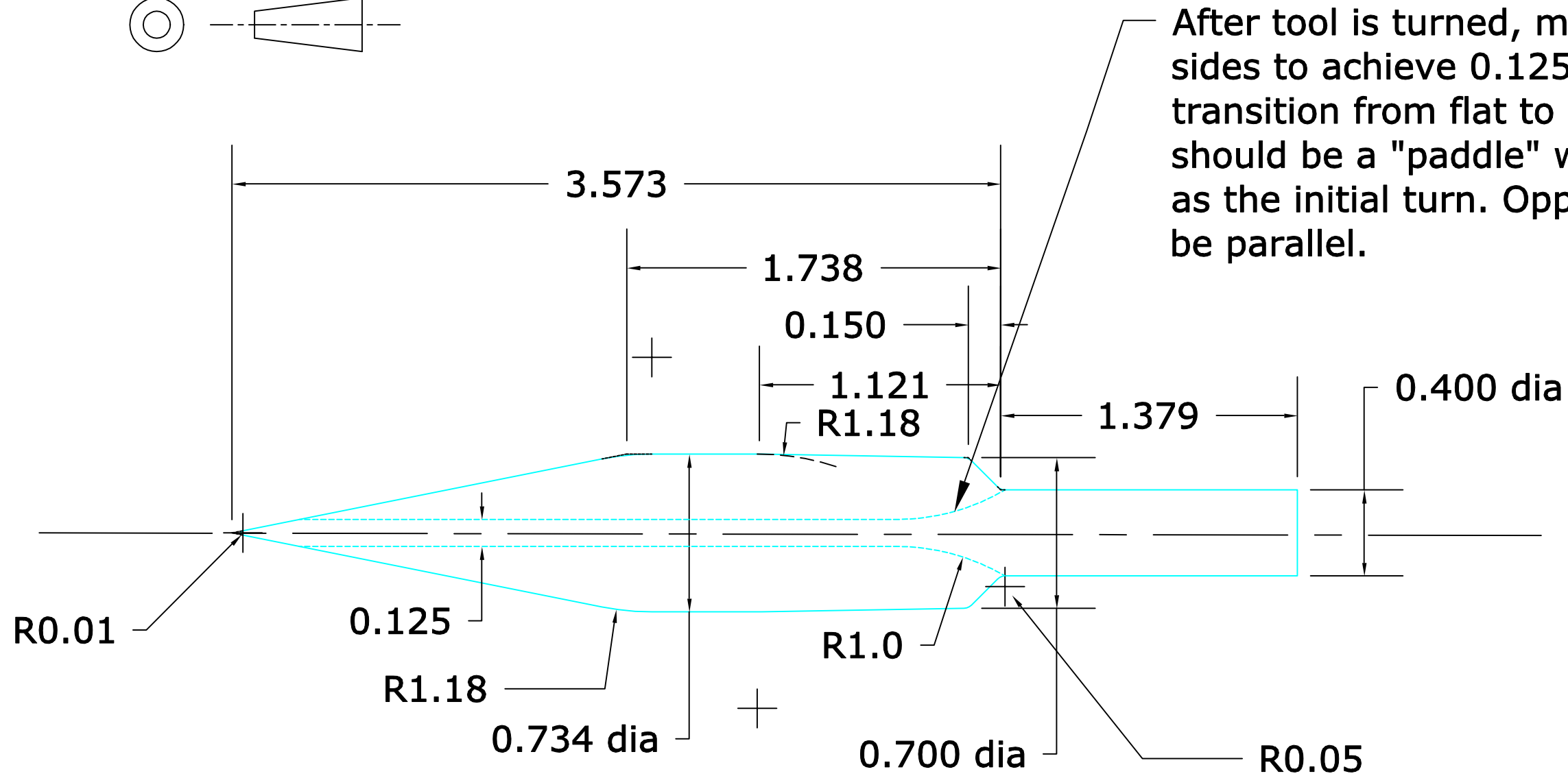
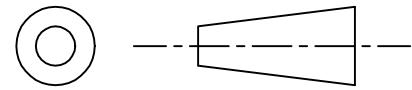
All Dimensions in Inches
Tolerance: +/- 0.005" unless otherwise noted



Large Mandrel
Tim Scott
626.272.3130

Rev B
06/11/04

All Dimensions in Inches



Tolerances:

0.0 +/- 0.1
 0.00 +/- 0.01
 0.000 +/- 0.005

Material:

D2 Heat Treated Tool Steel -or-
 O2 Heat Treated Tool Steel
 4130 Heat Treated Steel at the minimum

Nose Paddle Bit

Tim Scott

626.272.3130

Rev A

06/23/04