

Bowler Name: _____

Oval Angle: _____ OA: _____

Top Tier Front-to-Back: _____ TTF2B: _____

Top Tier Side-to-Side: _____ TTS2S: _____

Bottom Tier Front-to-Back: _____ BTF2B: _____

Top Tier Oval

$$TTS2S - TTF2B = \underline{\hspace{2cm}}$$

Lookup (TTS2S - TTF2B) in oval chart to get XT and YT:

XT

YT

1/2 XT

1/2 YT

Divide by two to get cut amounts for each side:

Top Tier Pilot Hole: (TTF2B + 1/32") TTPH: _____

Bottom Tier Pilot Hole: _____ BTPH: _____

Bottom Tier Oval Adder

$$TTPH - BTPH = \underline{\hspace{2cm}}$$

Lookup (TTPH - BTPH) in oval chart to get XBA and YBA:

XBA

YBA

1/2 XBA

1/2 YBA

Divide by two to get adder amounts for each side:

Bottom Tier Oval Total

$$1/2 XB = 1/2 XT + 1/2 XBA$$

$$1/2 YB = 1/2 YT + 1/2 YBA$$

1/2 XB

1/2 YB

Bottom Tier: _____ " Pilot Hole

End Start End

X (horizontal): _____

Y (vertical): _____

Top Tier: _____ " Pilot Hole, _____ " Deep

End Start End

X (horizontal): _____

Y (vertical): _____