

A Bamboo Fly Rod Hollowing System using Scallop & Dam (calculated by reference to the external taper in imperial measurement) by Chris Fiddes

Scallops

Length = 8 x Taper dimension measured at the butt end of the scallop

i.e if taper dimension is 0.25" then scallop = 2.0"

Dams

Size = taper dimension at that point

i.e if taper is 0.25" then dam is 0.25"

Wall Thickness

Butt wall thickness = AFTMA line weight x 0.01"

i.e #5 weight = 0.05" or 50 thou wall thickness

#7 weight = 70 thou

If multiple line weights recommended , use the higher

For Progressive or Powell A & B type rods the Tip wall thickness = spline taper dimension , and the internal taper is linear from butt to tip

i.e if tip if 0.07" (70 thou) then tip wall thickness = 0.035 (35 thou)

For Parabolic or Powell C taper type rods Wall thickness is level from the butt i.e no taper

Safety Margins

Ferrule - solid beyond the end of the tabs for a length equal to male slide length

- Shark Tooth method for 1 scallop either side of ferrule

Tip - last station to the tip is left solid



The author with his first bamboo fishing rod