

1923 Series O, 9-inch FFA apron cross-feed compound gear.

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First, consider that the gear was probably fitted in assembly for stack up clearance to the cross-feed screw gear with Plus and Minus sizes, usually in 0.010 increments.

The assembly is a 51/20 tooth compound.

The 51-tooth is 0.375 width.

The OD is 2.660, on this one, but note the prior statement on stack-up clearance adjustment.

A standard calculation for this gear would be 2.650, so mine seems to be + 0.010.

The 20-tooth gear is 0.484 width.

The OD is 1.100.

The DP of both gears is 20

The PA of both gears is 14.5.

My base pitch calculation average matches 14.5 PA closely.

The small gear is towards the operator or front of the apron.

Steve Wells

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