Speeds and Feeds Worksheet

Let us imagine that these two circles are cutters. What is the obvious difference?



Yes the size is the obvious difference. Let us say the right one is 1.375 Diameter and the left 2.125.

Which one is going to be faster? Why?

Figure out the rpm for both at 117 SFPM.

Where you right?

Directions: Calculate the Speed for each given combination

1. 1018 CRS - .05 HSS End mill
2. Aluminum 6061T6 – 2.5 HSS End mill
3. 4140 CR Steel - .625 HSS End mill
4. Yellow Brass hard – .125 HSS End mill
5. 1213 CRS - 1.375 HSS End mill
6. O2 – 6.25 Carbide face mill
7. 5160 Steel – .375 Carbide End mill
8. 1018 CRS - .05 Carbide End mill
9. Cast Iron Soft – 1.875 Carbide End mill
10. W2 - 1.125 Carbide End mill