



Q1. In the gear shaping machine shown – I am cutting a gear of module 2 with 40 teeth. The cutter has 20 teeth. The machine should be set up for 98 full strokes per minute of the cutter. How can this be done ? [Ans : U_v should be $\frac{2}{3}$].

Q2. I want a circumferential feed of 0.25 mm per full stroke of the cutter. How can I get it ? [Ans: $U_s \approx 0.099 \approx 0.1 = 1/10$]

Q3. I cannot make out how to set the value of U_i - can you help me ? [Ans: $U_i = 3/5$]