

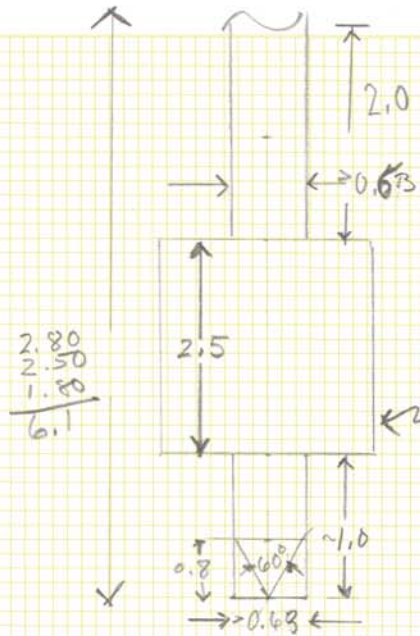


Subject: ESCAPE PINION BLANK

Date: 06/ IX / 2009

Notes: DETERMINATION OF PINION BLANK AND DUMMY PINION
PIVOTS (0.13mm)

Calculations



$$M = 0.115$$

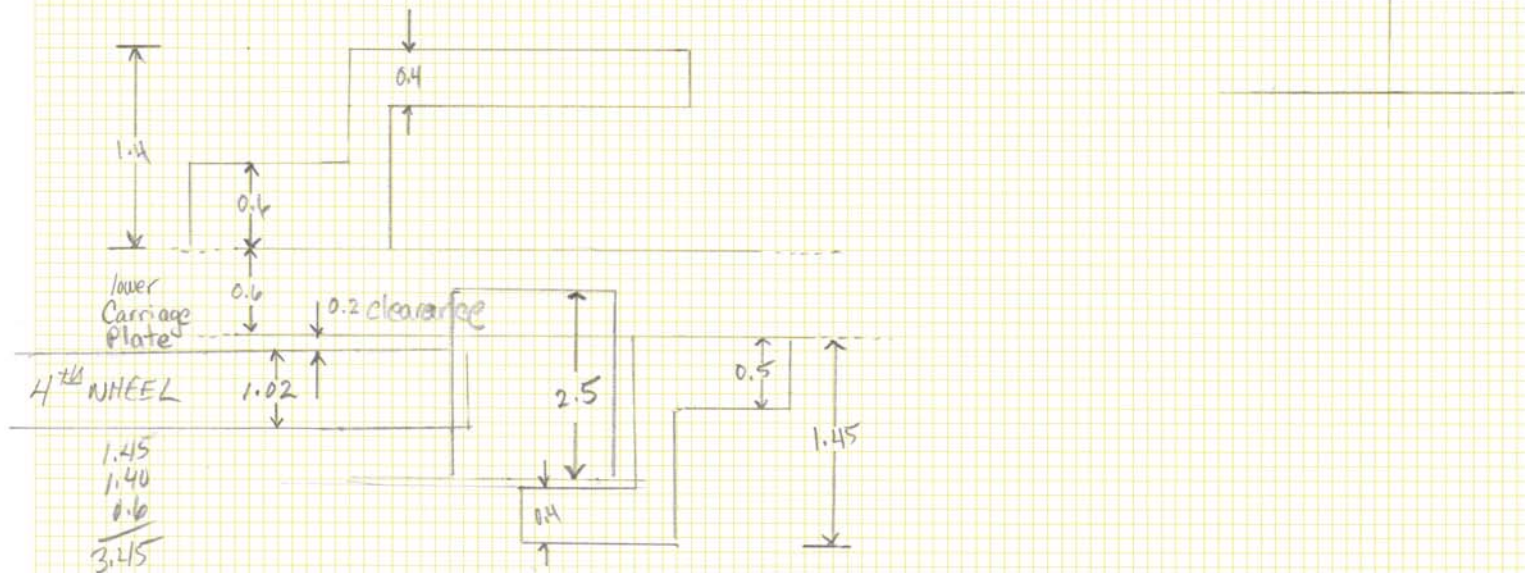
$$t = 8$$

$$\text{tooth depth} = 0.41325$$

$$FD = 1.4565 + 0.05 \text{ oversize (Perkins p. 324)}$$

$$ROOT \phi = 0.63$$

$$\begin{array}{r} 2.80 \\ 2.50 \\ 1.80 \\ \hline 6.1 \end{array}$$



lower Carriage Plate

H^{7/6} WHEEL

$$\begin{array}{r} 1.45 \\ 1.40 \\ 0.6 \\ \hline 3.45 \end{array}$$