Subject: ESCAPE PINION BLANK

Notes: DETERMINATION OF PINION BLANK AND DUMMY PINION

PIVOTS (0.13 mm)

Calculations

\[ M = 0.15 \]
\[ t = 8 \]
\[ \text{tooth depth} = 0.41325 \]
\[ \text{ID} 1.4565 + 0.05 \text{ oversize (Perkins p. 324)} \]
\[ \text{Root} a' = 0.03 \]

Lower carriage plate

\[ 0.3 \text{ clearance} \]

\[ 0.4 \text{ clearance} \]

\[ \frac{3}{16} \text{ WHEEL} \]

\[ 1.45 \]
\[ 1.44 \]
\[ 1.44 \]
\[ 0.74 \]
\[ 3.15 \]