

$$\text{Total pressure on end of billet} = \frac{p(A + A_m)}{A} = p + \frac{p A_m}{A}$$

where

p = fluid pressure
 A_m = area of mandrel
 A = area of billet

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FIGURE 1. FLOATING MANDREL ARRANGEMENT FOR HYDROSTATIC EXTRUSION OF TUBING

Analysis Is Given Showing Difference Between Fluid Pressure and Billet End Pressure

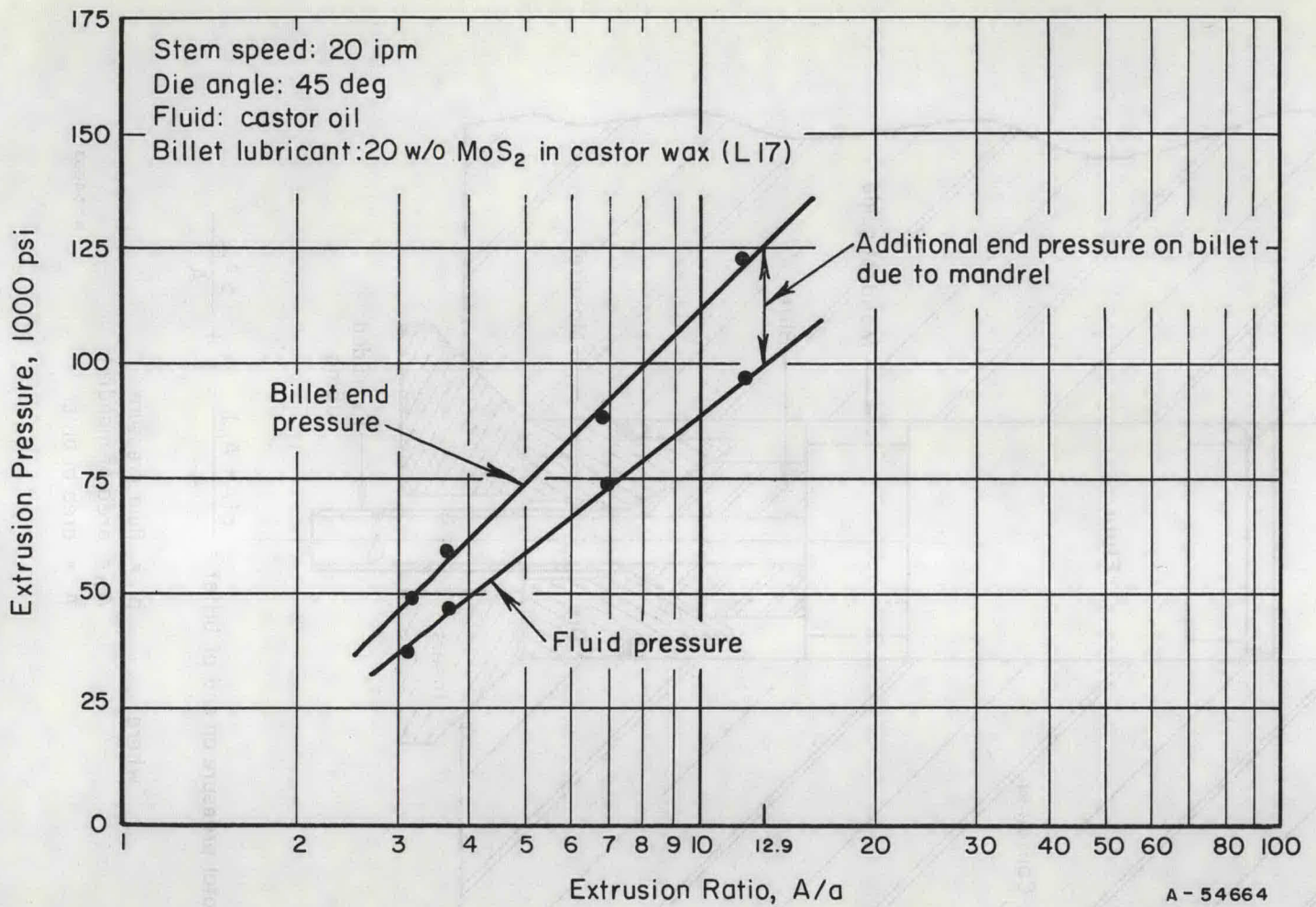


FIGURE 2. EFFECT OF EXTRUSION RATIO ON PRESSURE FOR COLD HYDROSTATIC EXTRUSION OF 7075-0 ALUMINUM TUBING