

2

Plug these into @

$$V_1^2 - 0.2204^2 V_1^2 = 60400$$

$$V_1 = \sqrt{\frac{60400}{29514}} \text{ m/s} \approx 251.96 \text{ m/s}$$

V2 = 0.2204 (25/.96 m/s) = 55,53 m/s

V1= 252 m/s 7/2 2 55,5 Mg