

1/2A6

1/2A

Burn Time $t_b = .20$ Sec.

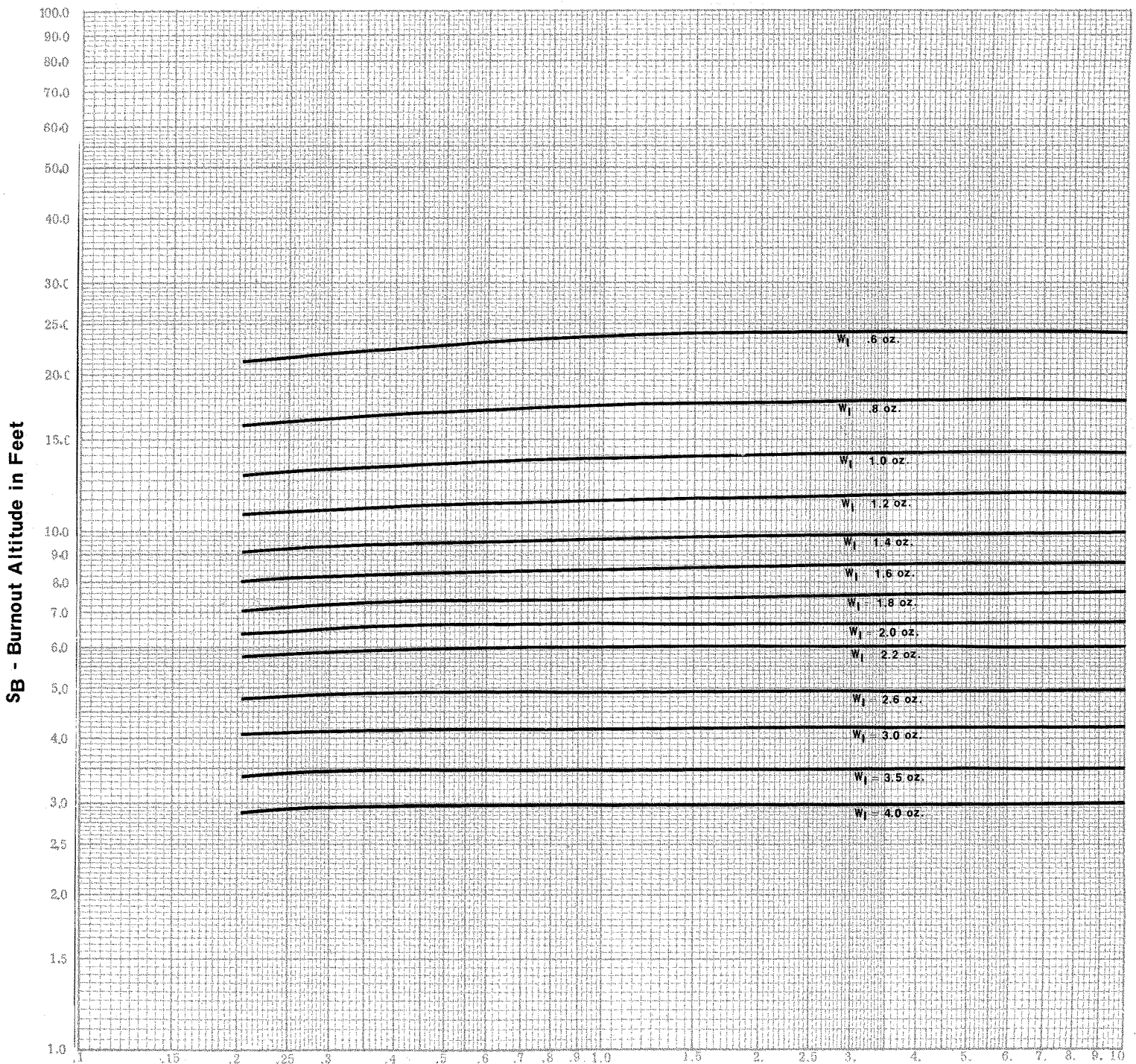
Propellant Weight $W_P = .055$ Oz.

$1/2W_P = .0275$ Oz.

Average Thrust $T = 22$ Oz.

FIGURE 3A

Burnout Altitude (S_B) as a function of Initial Weight (W_I) and Ballistic Coefficient (β_t).

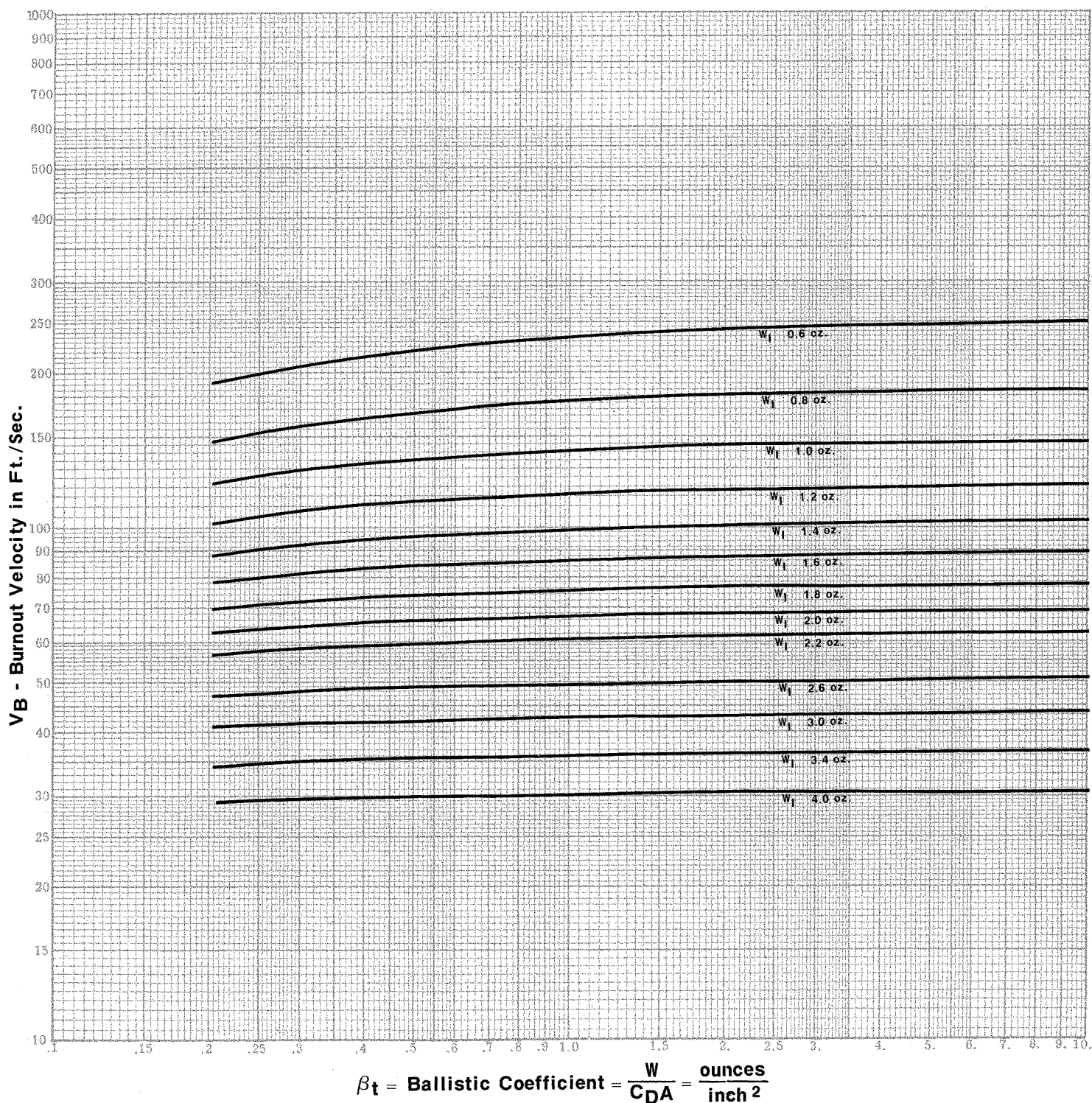


$$\beta_t = \text{Ballistic Coefficient} = \frac{W}{C_{DA}} = \frac{\text{ounces}}{\text{inch}^2}$$

1/2A6

1/2 A6
 Burn Time $t_b = .20$ Sec.
 Propellant Weight $W_p = .055$ Oz.
 $1/2 W_p = .0275$ Oz.
 Average Thrust $T = 22$ Oz.

FIGURE 3B
 Burnout Velocity (V_B) as a function of Initial Weight (W_I) and Ballistic Coefficient (β_t).



A5 (no longer available)

A5

Burn Time $t_b = .50$ Sec.

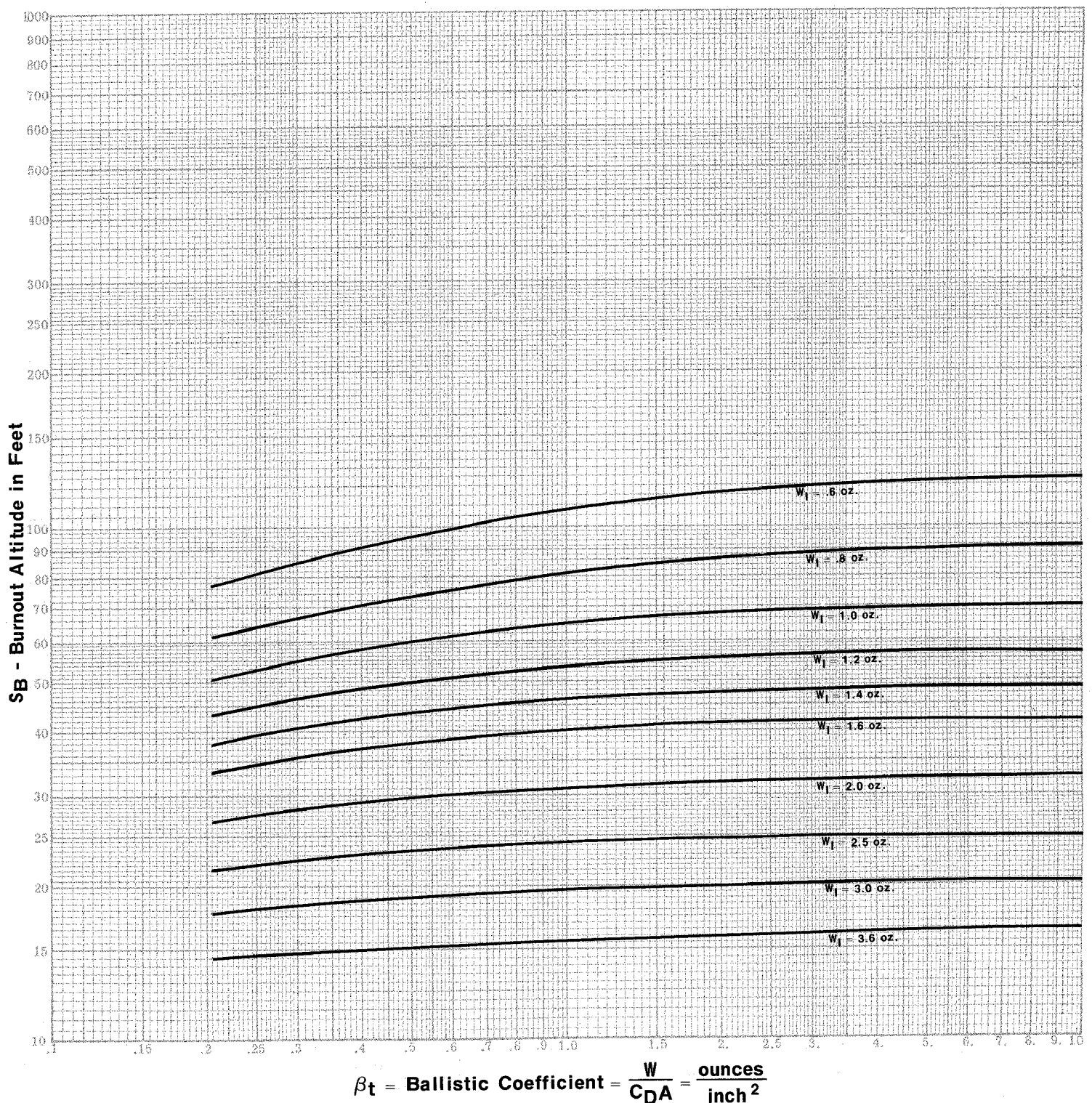
Propellant Weight $W_p = .1100$ Oz.

$1/2 W_p = .0550$ Oz.

Average Thrust $T = 18$ Oz.

FIGURE 4A

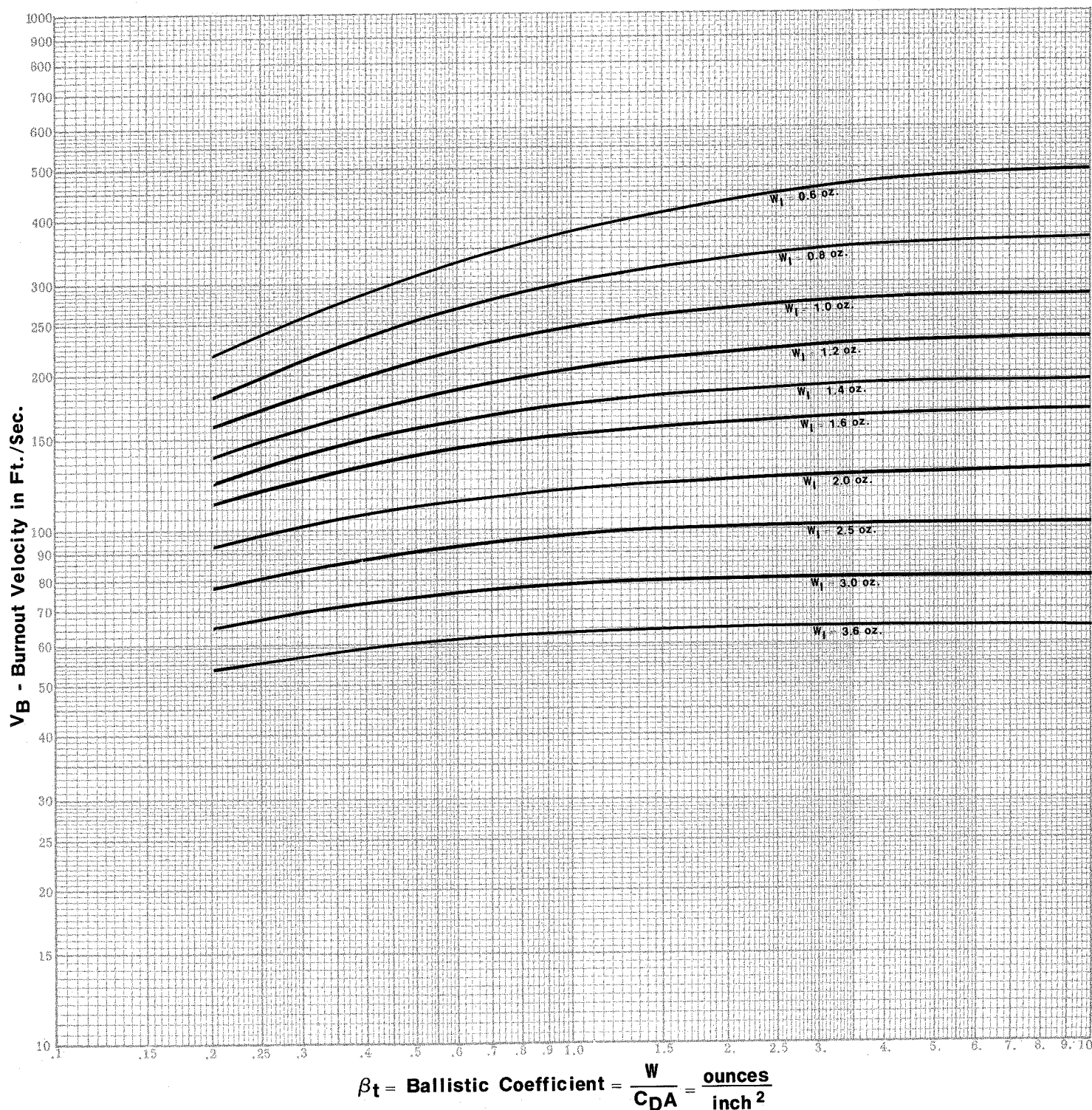
Burnout Altitude (S_B) as a function of Initial Weight (W_I) and Ballistic Coefficient (β_t).



A5

A5
 Burn Time $t_b = .50$ Sec.
 Propellant Weight $W_p = .1100$ Oz.
 $1/2 W_p = .0550$ Oz.
 Average Thrust $T = 18$ Oz.

FIGURE 4B
 Burnout Velocity (V_B) as a function of Initial Weight (W_I) and Ballistic Coefficient (β_t).



A8

A8
 Burn Time $t_b = .32$ Sec.
 Propellant Weight $W_p = .110$ Oz.
 $1/2 W_p = .055$ Oz.
 Average Thrust $T = 28$ Oz.

FIGURE 5A
 Burnout Altitude (S_B) as a function of Initial Weight (W_I) and Ballistic Coefficient (β_t).

