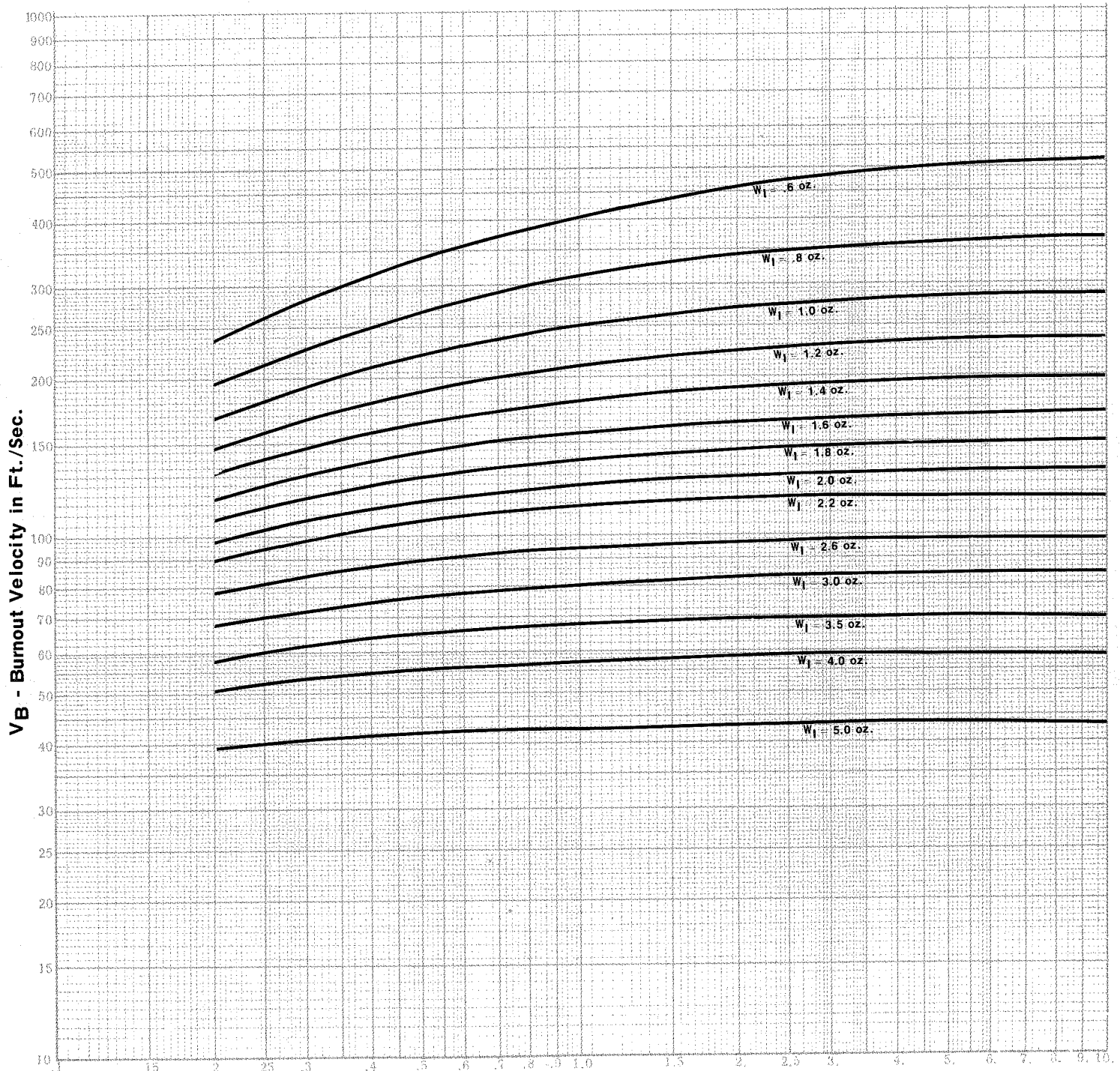


# A8

**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 5B**  
 Burnout Velocity ( $V_B$ ) is a function of Initial Weight ( $W_I$ ) and Ballistic Coefficient ( $\beta_t$ ).



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

# B4

**B4**

Burn Time  $t_b = 1.20$  Sec.

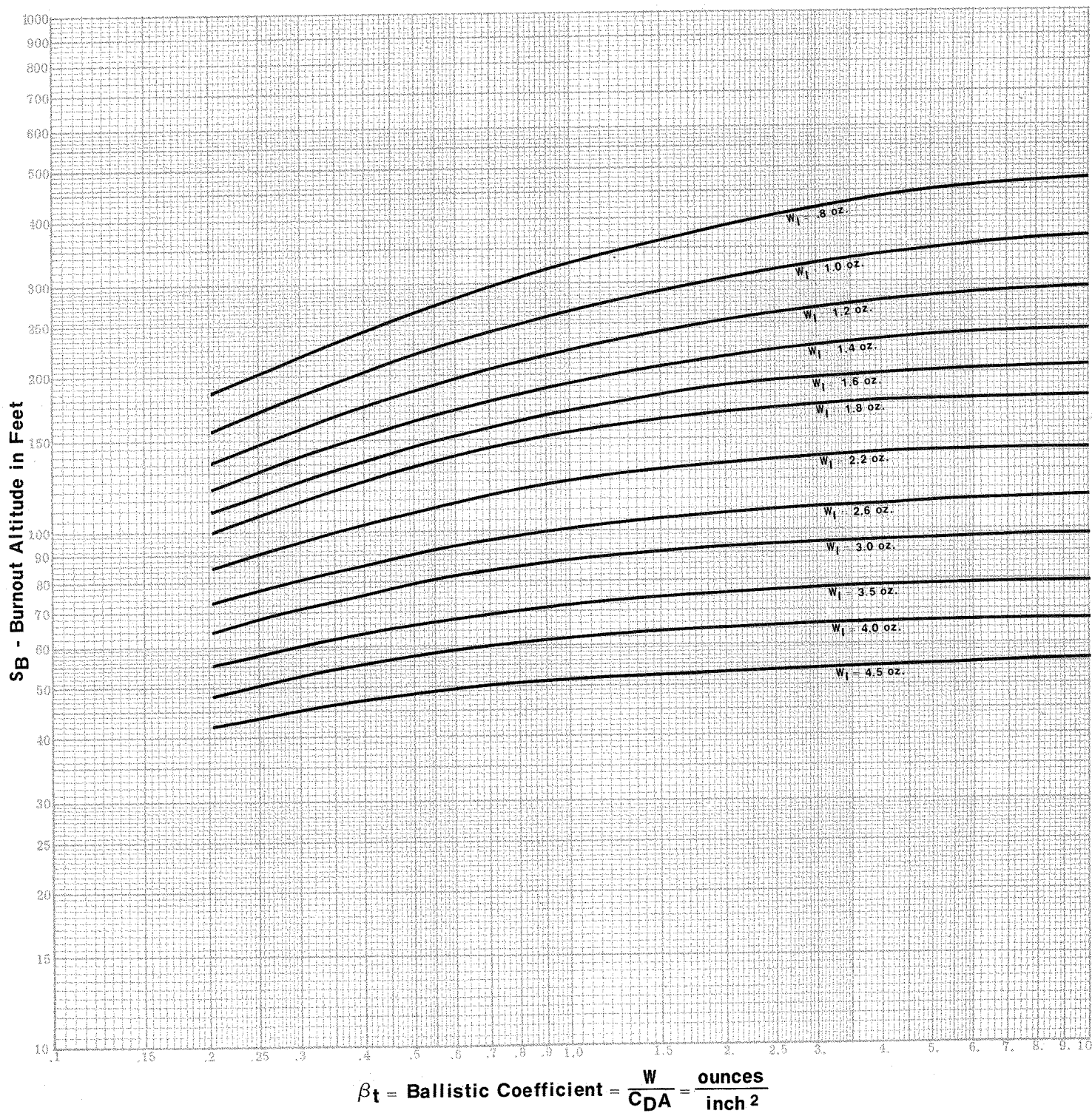
Propellant Weight  $W_p = .294$  Oz.

$1/2 W_p = .147$  Oz.

Average Thrust  $T = 15$  Oz.

**FIGURE 6A**

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



# B4

B4

Burn Time  $t_b = 1.20$  Sec.

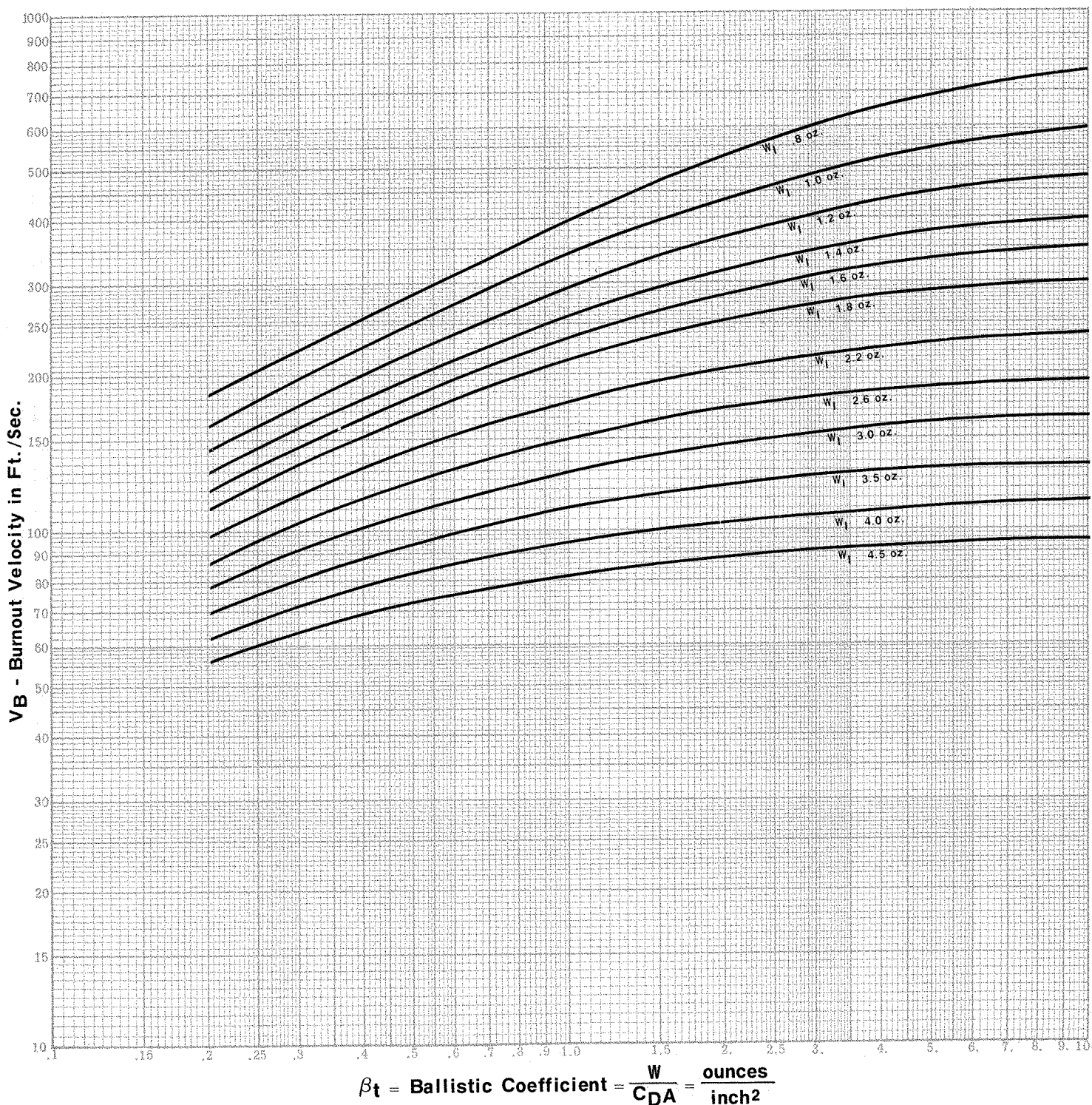
Propellant Weight  $W_p = .294$  Oz.

$1/2W_p = .147$  Oz.

Average Thrust  $T = 15$  Oz.

FIGURE 6B

Burnout Velocity ( $V_B$ ) as a function of Initial Weight ( $W_I$ ) and Ballistic Coefficient ( $\beta_t$ ).



# B6

B6

Burn Time  $t_b = .83$  Sec.

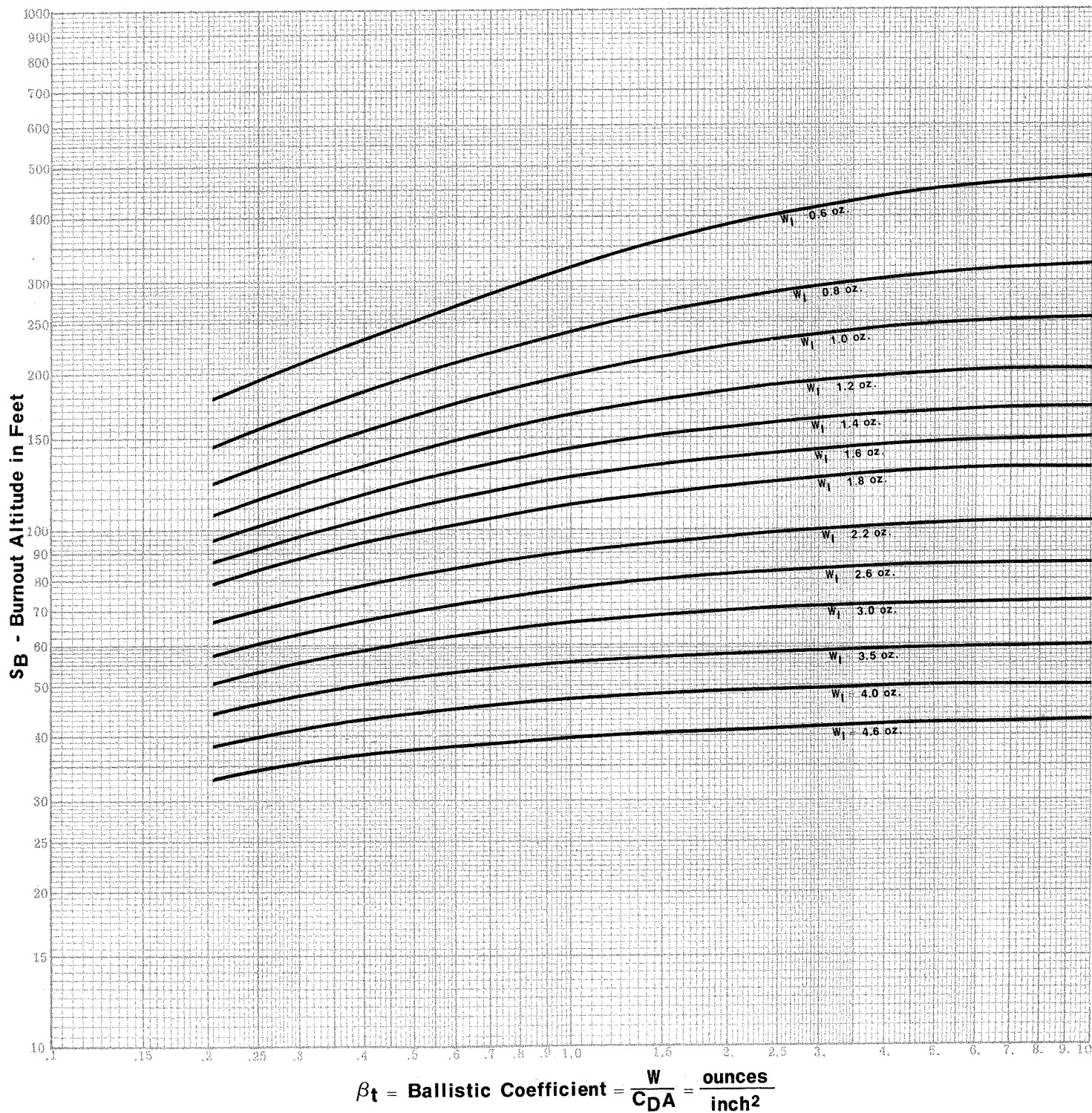
Propellant Weight  $W_p .220$  Oz.

$1/2 W_p .110$  Oz.

Average Thrust  $T = 22$  Oz.

FIGURE 7A

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





# B6

B6

Burn Time  $t_b = .83$  Sec.

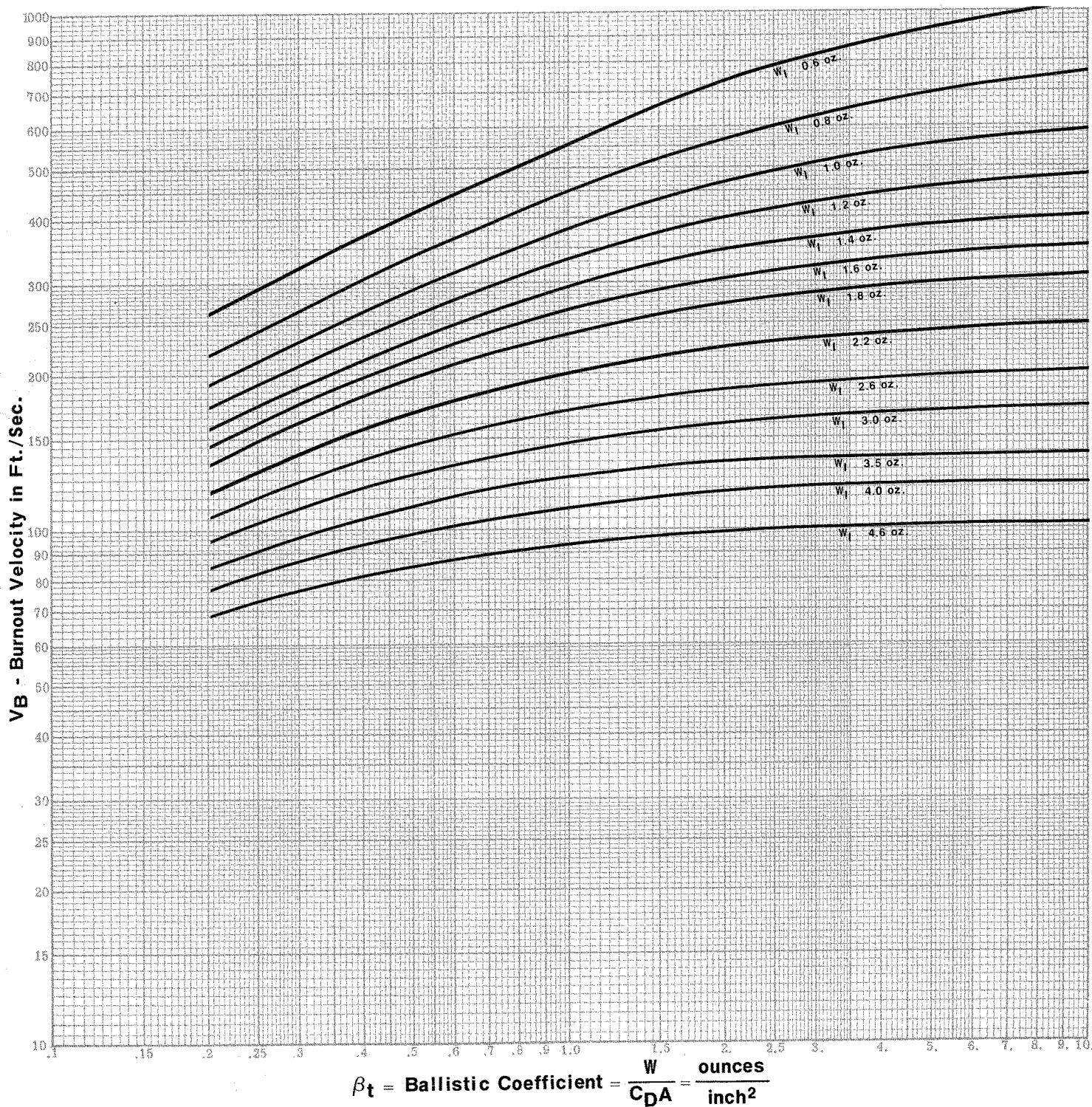
Propellant Weight  $W_p = .220$  Oz.

$1/2 W_p = .110$  Oz.

Average Thrust  $T = 22$  Oz.

FIGURE 7B

Burnout Velocity ( $V_B$ ) as a function of Initial Weight ( $W_I$ ) and Ballistic Coefficient ( $\beta_t$ ).



# B14 (no longer available)

**B14**

Burn Time  $t_b = .35$  Sec.

Propellant Weight  $W_P = .220$  Oz.

$1/2 W_P = .110$  Oz.

Average Thrust  $T = 51$  Oz.

**FIGURE 8B**

Burnout Velocity ( $V_B$ ) as a function of Initial Weight ( $W_I$ ) and Ballistic Coefficient ( $\beta_t$ ).

