

BLASTING

34 Attachment 1

**Quantity-Distance Table for Vibration Control
(9 milliseconds or greater)**

$$W = \left(\frac{D}{D_s} \right)^2$$

Where

- W = The charge weight in pounds per delay interval of nine (9) milliseconds or more.
- D = The actual distance in feet from the blast to the nearest structure.
- D_s = The scaled distance which is the actual distance in feet divided by the square root of the charge weight per delay.

D (feet)	W (D_s = 60)
40	0.44
50	0.69
60	1.00
70	1.66
80	1.78
90	2.25
100	2.78
110	3.36
130	4.69
150	6.25
170	8.03
190	10.03
210	12.25
230	14.69
250	17.36
270	20.25
290	23.86
300	25.00
350	34.00

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D (feet)	W (D_s = 60)
400	44.00
450	56.00
500	69.00
550	84.00
600	100.00
650	117.00
700	136.00
750	156.00
800	178.00
850	201.00
900	225.00
950	251.00
1,000	278.00
1,100	336.00
1,200	400.00
1,300	469.00
1,400	544.00
1,500	625.00
1,600	711.00

NOTE: Reference Office of Surface Mining Recommendations.