

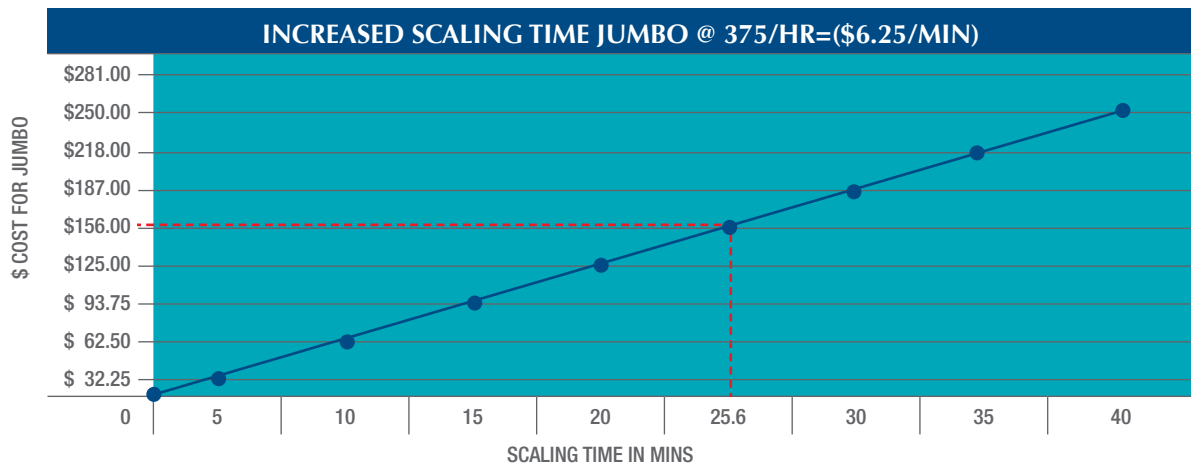
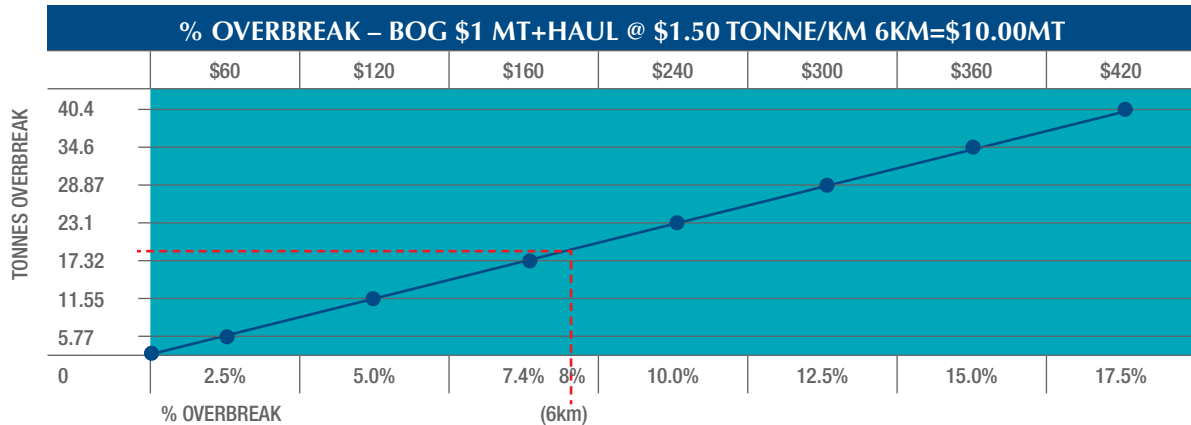


COST COMPARISON Econotrim Buttbuster

SANFOLD/SF3 VS ECONOTRIM

Based on a 3.0 x 5 x 5.5m cut, loading 18 holes kneehole to kneehole
Blast volume $5 \times 5.5 \times 3 = 82.5\text{m}^3$ @ 2.8sg = 231M. Tonnes

SANFOLD/SF3 @ approx \$1.70/kg x 18 holes @ 3.20kg	= \$98.00
Primers @ approximately \$1.10ea x 18 holes	= \$20.00
Total Cost	= \$118.00
Econotrim 312 @ \$15/coil x 20 holes	= \$300.00
Cost Difference (per blast \$300-\$118)	= \$182.00





COST COMPARISON - SNOW-LOADING VERSUS ECONOTRIM BUTTBUSTER

Using a competitor's explosives and snow-loading, overbreak can be 13% or more. Using JOHNEX ECONOTRIM BUTTBUSTER, overbreak averages between 3-4%.

Let's look at a Drive of 5.5m x 5.0m x 3.5m:

- Drive of 5.5m x 5.0m x 3.5m = 96.25 m³
- Specific Gravity (SG) of 3 = 105.9 x 3 = 288.75 tonnes

When Snow-Loading an average of 13% overbreak:

- 288.75 tonnes + 13% = 326.28 tonnes
- Overbreak tonnes = 326.28 - 288.75 = 37.53 tonnes

When using ECONOTRIM BUTTBUSTER an average of 3% overbreak:

- 288.75 tonnes + 3% = 297.41 tonnes
- Overbreak tonnes = 297.41 - 288.75 = 8.66 tonnes

Additional rock that needs to be moved as a result of snow loading:

- 37.53 tonnes - 8.66 tonnes = 28.87 tonnes per cut
- An average of 6 cuts per day = 173.2 tonnes per day
- An average of 30 days per month = 5196 tonnes per month of additional rock!!

At an average trucking cost of \$1.50 tonne / km:

- 5196 tonnes x \$1.50 tonne / km = \$7794 / km

At an average 6km trucking distance:

- \$7794 x 6km = \$46764 per month!!

