

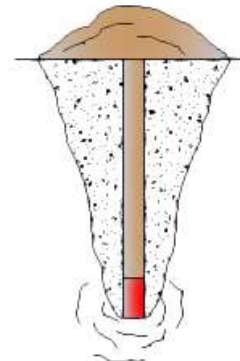
SDOB = 0 - 1.5



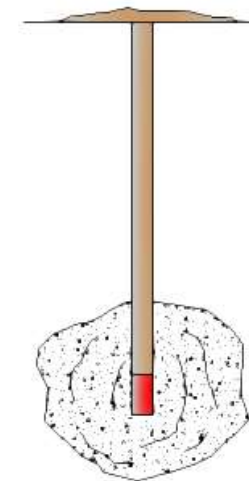
SDOB = 1.6 - 2.2



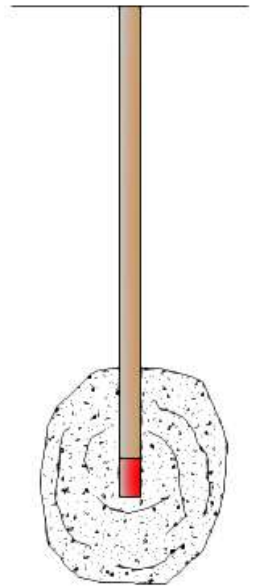
SDOB = 2.3 - 3.5



SDOB = 3.6 - 4.5



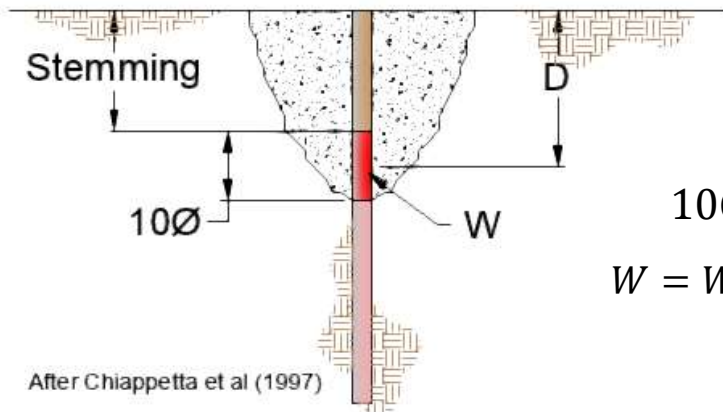
SDOB = 4.6 - 6.0



SDOB = 6.1+

Imperial Units

$$SDOB = \frac{D}{\sqrt[3]{W}}$$



$10\emptyset = 10 \times \text{Hole Diameter}$

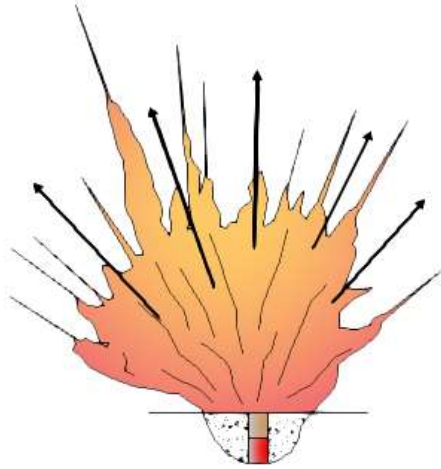
$W = \text{Weight of Explosives for } 10\emptyset$

$D = \text{Stemming} + 5\emptyset$

After Chiappetta et al (1997)

Metric Units

$$SDOB = \frac{D}{\sqrt[3]{W}}$$



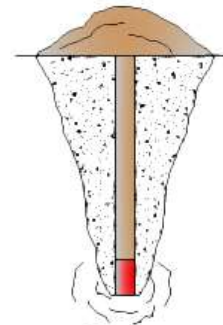
SDOB = 0 - 0.6



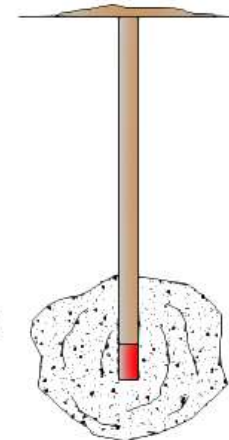
SDOB = 0.61 - 0.90



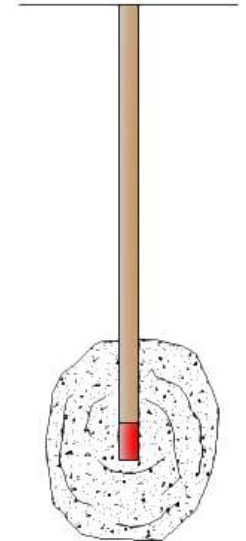
SDOB = 0.91 - 1.42



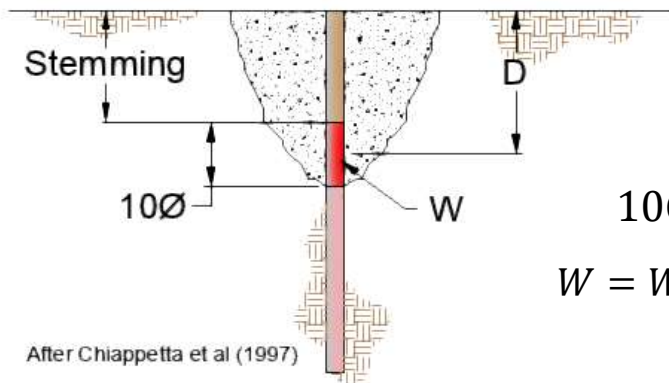
SDOB = 1.43 - 1.82



SDOB = 1.83 - 2.40



SDOB = 2.41+

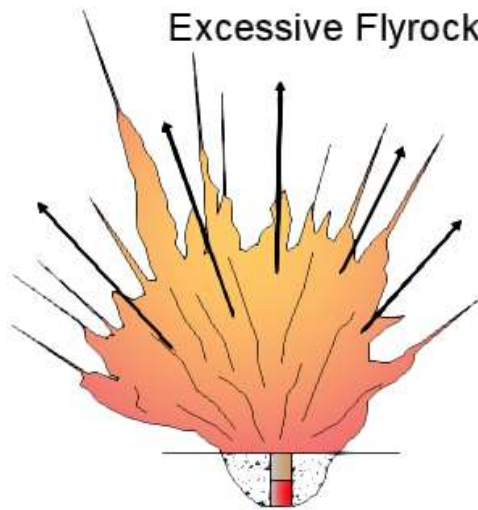


$10\emptyset = 10 \times \text{Hole Diameter}$

$W = \text{Weight of Explosives for } 10\emptyset$

$D = \text{Stemming} + 5\emptyset$

After Chiappetta et al (1997)



Excessive Flyrock and Airblast

Imperial = 0 - 1.5  
Metric = 0 - 0.6

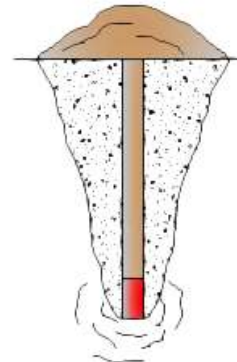


Imperial = 1.6 - 2.2  
Metric = 0.61 - 0.90



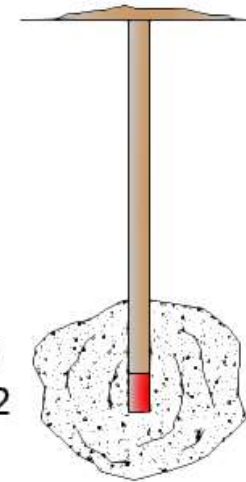
Minimal Flyrock  
Good Ground heave

Imperial = 2.3 - 3.5  
Metric = 0.91 - 1.42

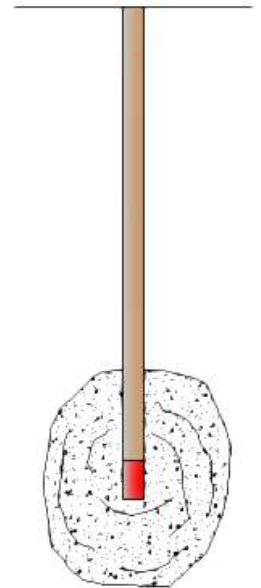


No Flyrock  
Reduced Ground Heave

Imperial = 3.6 - 4.5  
Metric = 1.43 - 1.82



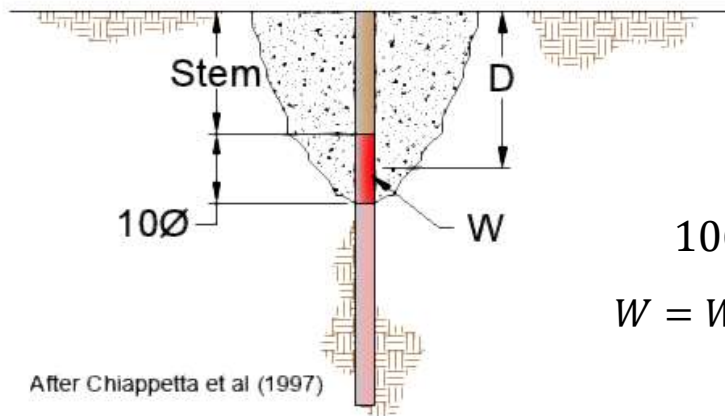
Imperial = 4.6 - 6.0  
Metric = 1.83 - 2.40



No Surface  
Disruption

Imperial = 6.1+  
Metric = 2.41+

$$SDOB = \frac{D}{\sqrt[3]{W}}$$



After Chiappetta et al (1997)

$10\phi = 10 \times \text{Hole Diameter}$

$W = \text{Weight of Explosives for } 10\phi$

$D = \text{Stemming} + 5\phi$