

Calculates dimensions and weight of box style cone crusher

Last revised 6 April 2022

*** BOX ***

Measurements in inches and pounds

All measurements based on bottom width of inner cone

Input:

3.5 inner cone bottom width
1.5 multiple to get inner cone top width
2 multiple to get inner cone height
2 gap between cones at top
0.5 gap between cones at bottom
0.087 weight of concrete per cu in

Output:

5.25 inner cone top width
7.00 inner cone height
4.5 outer cone bottom width
9.25 outer cone top width
9.00 outer cone height

9.25 box width
9.00 box height

2.6 inner cone top radius
1.8 inner cone bottom radius
106.6 inner cone volume cu in
9.3 inner cone weight lb

4.6 outer cone top radius
2.3 outer cone bottom radius
347.3 outer cone volume cu in
770.1 box volume cu in
422.7 volume between outer cone and box cu in
36.8 weight between outer cone and box lb

46.1 weight of cone crusher lb

END