

# Radius of ground zero

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The data below will show the radius of ground zero for different yields, both for surface bursts and airbursts, with ground zero being the radius that reaches > 10 psi overpressure, destroying most structures.

## Airburst radius

PAYLOAD	GROUND ZERO IN KM	GROUND ZERO IN MILES
1 kiloton	0.4	1/4
10 kiloton	1	0.6
20 kiloton	1.2	3/4
50 kilotons	1.6	1
100 kilotons	2.1	1.3
200 kilotons	2.6	1.6
300 kilotons	3	1.9
400 kilotons	3.3	2
500 kilotons	3.5	2.2
1 megaton	4.4	2.7
2 megaton	5.6	3.5
5 megaton	7.6	4.7
10 megatons	9.6	6
20 megatons	12	7.5
50 megatons	16.3	10
100 megatons	20.6	12.8

Source for data: <https://nuclearsecrecy.com/nukemap/>

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This table is part of the [Practical nuclear protocol](#) on [Settlemap.com](#)

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## Surface burst radius

PAYLOAD	GROUND ZERO IN KM	GROUND ZERO IN MILES
1 kiloton	0.3	1/5
10 kiloton	0.7	0.4
20 kiloton	0.9	0.6
50 kilotons	1.2	0.7
100 kilotons	1.5	0.9
200 kilotons	1.8	1.1
300 kilotons	2.1	1.3
400 kilotons	2.3	1.4
500 kilotons	2.5	1.6
1 megaton	3.1	1.9
2 megaton	3.9	2.4
5 megaton	5.3	3.3
10 megatons	6.7	4.2
20 megatons	8.5	5.3
50 megatons	11.5	7.1
100 megatons	14.5	9

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