

Safe Distances for Conventional Explosives

| Threat | Threat Description | Explosive Capacity (TNT Equivalent) | Building Evacuation Distance | Outdoor Evacuation Distance |
|---|---------------------------------------|-------------------------------------|------------------------------|----------------------------------|
|  | Pipe Bomb | 5 lbs/ 2.3 kg | 70 ft/ 21 m | 850 ft ¹ 259 m |
|  | Briefcase/ Suitcase Bomb | 50 lbs/ 23 kg | 150 ft/ 46 m | 1,850 ft ¹ 564 m |
|  | Compact Sedan | 500 lbs/ 277 kg | 320 ft/ 98 m | 1,500 ft ² 457 m |
|  | Sedan | 1,000 lbs/ 454 kg | 400 ft/ 122 m | 1,750 ft ² 534 m |
|  | Passenger/ Cargo Van | 4,000 lbs/ 1,814 kg | 640 ft/ 195 m | 2,750 ft ² 838 m |
|  | Small Moving Van/Delivery Truck | 10,000 lbs/ 4,536 kg | 860 ft/ 263 m | 3,750 ft ³ 1,143 m |
|  | Moving Van/ Water Truck | 30,000 lbs/ 13,608 kg | 1,240 ft/ 375 m | 6,500 ft ³ 1,982 m |
|  | Semi-Trailer | 60,000 lbs/ 27,216 kg | 1,570 ft/ 475 m | 7,000 ft ³ 2,134 m |

Explosive Capacity: Based on maximum volume or weight of explosives (TNT equivalent) that could reasonably fit in a suitcase or vehicle.

Building Evacuation Distance: The range to which all buildings must be evacuated. From this range to the Outdoor Evacuation Distance, personnel may remain inside the building (with some risk) but move to a safe area in the interior of the building away from windows and exterior walls.

Outdoor Evacuation Distance: The range to which all personnel in the open must be evacuated and the preferred range for building evacuation.

Notes:

¹Distances governed by shrapnel throw for cased charge.

²Distances governed by vehicle fragment throw. (Note that vehicle fragments don't typically travel as far as cased charge.)

³Distances governed by glass breakage.