Cycles, Trikes, Sub-compacts and Compacts are 1/4" tall.

Mid-size, Sedans, Luxuries and Station Wagons are 3/8" tall.

Pickups, Campers and Vans are 1/2" tall.

Ten-wheelers are 3/4" tall.

Car ramplates are 1/4" tall.

Oversized vehicle ramplates are 1/2" tall.

Eighteen-wheelers are 1" tall.

Obstacle Hgt -Weapon Hgt	Target Height Above Obstacle				
	1/4"	3/8"	1/2"	3/4"	1"
1/8"	2	3	4	6	8
1/4"	1	1 1/2	2	3	4
3/8"	2/3	1	1 1/3	2	2 2/3
1/2"	1/2	3/4	1	1 1/2	2
5/8"	2/5	3/5	4/5	1 1/5	1 3/5
3/4"	1/3	1/2	2/3	1	1 1/3
7/8"	2/7	3/7	4/7	6/7	1 1/7
1"	1/4	3/8	1/2	3/4	1
1 1/8"	2/9	1/3	4/9	2/3	8/9
1 1/4"	1/5	2/7	2/5	3/5	4/5
1 3/8"	1/5	1/4	1/3	1/2	5/7
1 1/2"	1/6	1/4	1/3	1/2	2/3

$$\frac{\text{Hgt of Target over Obstacle}}{\text{Obstacle Hgt - Weapon Ht}} \times \text{Weapon to Obstacle Distance} = \text{Maximum Target to Obstacle Distance}$$

3/8" vehicle turret

1/2" Obstacle

4 x A   (6 x A for 10-wheelers, 8 x A for 18-wheelers)

3 x A

Weapon-Obstacle Distance = A

2 x A

Oversized vehicle weapon or 1/4" vehicle turret

1/2" Obstacle

3 x A   (4 x A for 18-wheelers)

2 x A

1.5 x A

Weapon-Obstacle Distance = A

A

Non-oversized vehicle side weapon

1/2" Obstacle

8/3 A

2 x A

4/3 A

A

Weapon-Obstacle Distance = A

2/3 A