SDZ Parameters for 7.62MM Cartridge, M80

Altitude (ft)	Impact media	Distance X[1] (m)	Distance Y (m)	Distance W (m)	Angle P[2] (deg)	Angle Q (deg)	Vertical Hazard (m)
0	Earth	3662	2875	315	45.60	35.20	271
	Armor	3662	2775	115	13.00	7.00	126
1000	Earth	3777	2952	328	45.70	34.60	279
	Armor	3777	2848	118	13.10	7.70	130
2000	Earth	3897	3029	341	45.80	34.00	288
	Armor	3897	2921	121	13.20	8.40	134
3000	Earth	4022	3106	354	45.90	33.40	297
	Armor	4022	2994	124	13.30	9.10	139
4000	Earth	4150	3183	367	46.00	32.80	307
	Armor	4150	3067	127	13.40	9.80	143
5000	Earth	4284	3260	380	46.10	32.20	317
	Armor	4284	3140	130	13.50	10.50	147
6000	Earth	4423	3337	393	46.20	31.60	327
	Armor	4423	3213	133	13.60	11.20	152
7000	Earth	4569	3414	406	46.30	31.00	338
	Armor	4569	3286	136	13.70	11.90	156

Notes:
[1] Distance X must increase by 29 meters per m/s or 14.9 meters per knot of tail wind, measured along the line of fire.
[2] Angle P is measured from the dispersion angle. To correct for cross-range winds, the dispersion angle must be increased by 0.31 degree per m/s or 0.16 degree per knot of cross range wind, measured perpendicular to the line of fire.

SDZ Parameters for 5.56MM Cartridge, M855

Altitude (ft)	Impact media	Distance X[1] (m)	Distance Y (m)	Distance W (m)	Angle P[2] (deg)	Angle Q (deg)	Vertical Hazard (m)
0	Earth	2958	2450	215	34.00	15.00	158
	Armor	2958	2275	95	13.00	7.50	96
1000	Earth	3049	2515	222	34.25	15.70	163
	Armor	3049	2343	99	13.25	7.90	99
2000	Earth	3143	2580	229	34.50	16.40	168
	Armor	3143	2411	103	13.50	8.30	103
3000	Earth	3240	2645	236	34.75	17.10	174
	Armor	3240	2479	107	13.75	8.70	106
4000	Earth	3341	2710	243	35.00	17.80	179
	Armor	3341	2547	111	14.00	9.10	109
5000	Earth	3446	2775	250	35.25	18.50	184
	Armor	3446	2615	115	14.25	9.50	113
6000	Earth	3554	2840	257	35.50	19.20	190
	Armor	3554	2683	119	14.50	9.90	116
7000	Earth	3668	2905	264	35.75	19.90	196
	Armor	3668	2751	123	14.75	10.30	120

Notes:
[1] Distance X must increase by 27 meters per m/s or 13.9 meters per knot of tail wind, measured along the line of fire.
[2] Angle P is measured from the dispersion angle. To correct for cross-range winds, the dispersion angle must be increased by 0.37 degree per m/s or 0.19 degree per knot of cross range wind, measured perpendicular to the line of fire.