

BALLISTICS CARD
.300 WinMag Match

Wind Speed	MOA Wind Deflection Range (Yards)									
	100	200	300	400	500	600	700	800	900	1000
5 mph	0.25	0.50	0.75	1.25	1.50	1.75	2.25	2.50	3.00	3.50
10 mph	0.50	1.00	1.75	2.25	3.00	3.75	4.50	5.25	6.25	7.00
15 mph	0.75	1.75	2.50	3.50	4.50	5.50	6.50	8.00	9.25	10.75
20 mph	1.00	2.25	3.25	4.50	6.00	7.25	8.75	10.50	12.50	14.25

Wind Speed	MOA Wind Deflection Range (Yards)									
	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
5 mph	4.00	4.50	5.25	5.75	6.25	7.00	7.50	8.00	8.75	9.25
10 mph	8.25	9.25	10.25	11.50	12.75	14.00	15.00	16.25	17.25	18.50
15 mph	12.25	13.75	15.50	17.25	19.00	21.00	22.75	24.25	26.00	27.75
20 mph	16.25	18.50	20.75	23.00	25.50	27.75	30.25	32.50	34.75	37.00

Zero Range	MOA Come-ups
100	0.00
200	1.50
300	3.50
400	5.75
500	8.50
600	11.25
700	14.50
800	18.25
900	22.50
1000	26.75
1100	32.00
1200	37.75
1300	44.25
1400	51.75
1500	59.00
1600	68.75
1700	78.50
1800	89.00
1900	100.25
2000	112.00

Ballistic table for .300 WinMag DODIC A191

		Trajectory in inches measured from line of sight													
		Range (yards)													
		0	100	200	300	400	500	600	700	800	900	1000	1100	1200	
Zero Range (yards)	100	-1.5	0	-2.9	-10.7	-24.1	-44.1	-71.3	-105.7	-152.9	-211.0	-281.4	-368.5	-475.1	
	200	-1.5	1.5	0	-6.4	-18.3	-35.9	-62.5	-96.5	-141.3	-197.9	-266.6	-352.5	-457.7	
	300	-1.5	3.5	4.2	0	-9.8	-25.3	-49.9	-81.5	-124.3	-178.8	-245.7	-329.2	-432.3	
	400	-1.5	5.0	9.1	7.4	0	-14.0	-35.2	-64.4	-104.7	-156.7	-221.1	-302.2	-402.8	
	500	-1.5	8.8	14.7	15.8	11.2	0	-18.4	-44.5	-82.3	-131.5	-193.1	-271.4	-369.2	
	600	-1.5	11.9	20.9	25.0	23.4	15.3	0	-23.4	-57.8	-104.0	-162.5	-237.7	-332.5	
	700	-1.5	15.2	27.6	35.0	36.8	32.0	20.1	0	-31.0	-73.9	-125.0	-200.9	-292.3	
	800	-1.5	19.1	35.3	46.5	52.3	51.4	43.3	27.2	0	-39.0	-90.3	-158.3	-245.8	
	900	-1.5	23.4	44.0	59.6	69.7	73.1	69.3	57.5	34.6	0	-47.0	-110.5	-193.8	
	1000	-1.5	28.1	53.4	73.7	88.4	96.6	97.5	90.3	72.2	42.3	0	-59.0	-137.5	
	1100	-1.5	33.5	64.1	89.8	106.5	123.4	126.7	127.9	115.1	90.5	53.6	0	-73.1	
	1200	-1.5	39.6	76.3	108.1	134.3	152.8	166.2	170.5	153.8	143.3	114.5	67.0	0	

Table assumes site height of 1.5 inches

Caution: Ballistics data will vary with changes in guns, sights, ammunition lots, and atmospheric conditions.

Shooting Up/Dn "Quick Fix" Estimation – Slope Angle Cosines

Determine angle, then multiply cosine times "line-of-sight" distance.

15° = .97 20° = .94 25° = .91 30° = .87 35° = .82
40° = .77 45° = .71

Adjust sight elevation for the horizontal "corrected range".

Important: Adjust windage for full "line-of-sight" distance.

Miscellaneous Information:

1 MOA=1.1452" @ 100 meters
1 mil=3.4377 MOA=3.9" @ 100 meters

Conversions:

fps to mph: fps x 3600 sec./5280'
mph to fps: mph/3600 sec. x 5280
Inches to meters: In. x .0254

MOA Formula:

MOA =(in./m) x 87.34

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Mil-Scale Range Estimation Formulas

Object size in meters x 1000 = Distance in meters
Object size in mils

Object size in Inches x 25.4 = Distance in meters
Object size in mils

Common U.S. Dimensions For Range Estimation

House door=31" x 79" Door knob height=36"
License plate=6" x 12" Vehicle tires=28" to 30" dia.
5'6" Man=66" 5'9" Man=69" 6'0" Man=72"
Average man: From crotch to top of head=39"
Head: ear to ear=6.5" Head: top to bottom=10"
Chest thickness=12" Across shoulders=20"