

TACTICAL MIL-DOT RANGE ESTIMATING

- ▶ Range estimating requires common knowledge/experience about your target's actual width or height. For accurate range estimating, the size of the target must be known.
- ▶ 1 mil in a scope reticle is the distance from the center of one dot to the center of the next dot.
- ▶ Set your scope at the highest power. Place the center of the dot against one edge of the target and measure to the opposite edge of the target.
- ▶ Once the target has been measured in mils, a formula is available to estimate the distance of the target.
- ▶ Each scope model comes with its own formula and a pre-calculated mil-dot table of most used distance estimates to aid the user. Please refer to the back of the card for this information.



Height or Width of Target in Meters x 900

Height or Width of Target in Mils

= Range in Meters (1M = 1.0936 Yards)

Target Size	Inches	9	12	16	18	20	22	24	28	32	36	60	66	69	72
	Meters	0,229	0,305	0,406	0,457	0,508	0,559	0,610	0,711	0,813	0,914	1,524	1,676	1,753	1,829
Reticle Measurements (in mils)	3/4	274.8	366.0	487.2	548.4	609.6	670.8	732.0	853.2	975.6	1096.8	1828.8	2011.2	2103.6	2194.8
	1	206.1	274.5	365.4	411.3	457.2	503.1	549.0	639.9	731.7	822.6	1371.6	1508.4	1577.7	1646.1
	1 1/4	164.9	219.6	292.3	329.0	365.8	402.5	439.2	511.9	585.4	658.1	1097.3	1206.7	1262.2	1316.9
	1 1/2	137.4	183.0	243.6	274.2	304.8	335.4	366.0	426.6	487.8	548.4	914.4	1005.6	1051.8	1097.4
	1 3/4	117.8	156.9	208.8	235.0	261.3	287.5	313.7	365.7	418.1	470.1	783.8	861.9	901.5	940.6
	2	103.1	137.3	182.7	205.7	228.6	251.6	274.5	320.0	365.9	411.3	685.8	754.2	788.9	823.1
	2 1/4	91.6	122.0	162.4	182.8	203.2	223.6	244.0	284.4	325.2	365.6	609.6	670.4	701.2	731.6
	2 1/2	82.4	109.8	146.2	164.5	182.9	201.2	219.6	256.0	292.7	329.0	548.6	603.4	631.1	658.4
	2 3/4	74.9	99.8	132.9	149.6	166.3	182.9	199.6	232.7	266.1	299.1	498.8	548.5	573.7	598.6
	3	68.7	91.5	121.8	137.1	152.4	167.7	183.0	213.3	243.9	274.2	457.2	502.8	525.9	548.7
	3 1/4	63.4	84.5	112.4	126.6	140.7	154.8	168.9	196.9	225.1	253.1	422.0	464.1	485.4	506.5
	3 1/2	58.9	78.4	104.4	117.5	130.6	143.7	156.9	182.8	209.1	235.0	391.9	431.0	450.8	470.3
	3 3/4	55.0	73.2	97.4	109.7	121.9	134.2	146.4	170.6	195.1	219.4	365.8	402.2	420.7	439.0
	4	51.5	68.6	91.4	102.8	114.3	125.8	137.3	160.0	182.9	205.7	342.9	377.1	394.4	411.5
4 1/4	48.5	64.6	86.0	96.8	107.6	118.4	129.2	150.6	172.2	193.6	322.7	354.9	371.2	387.3	
4 1/2	45.8	61.0	81.2	91.4	101.6	111.8	122.0	142.2	162.6	182.8	304.8	335.2	350.6	365.8	
4 3/4	43.4	57.8	76.9	86.6	96.3	105.9	115.6	134.7	154.0	173.2	288.8	317.6	332.1	346.5	
5	41.2	54.9	73.1	82.3	91.4	100.6	109.8	128.0	146.3	164.5	274.3	301.7	315.5	329.2	
5 1/4	39.3	52.3	69.6	78.3	87.1	95.8	104.6	121.9	139.4	156.7	261.3	287.3	300.5	313.5	
5 1/2	37.5	49.9	66.4	74.8	83.1	91.5	99.8	116.3	133.0	149.6	249.4	274.3	286.9	299.3	
5 3/4	35.8	47.7	63.5	71.5	79.5	87.5	95.5	111.3	127.3	143.1	238.5	262.3	274.4	286.3	
6	34.4	45.8	60.9	68.6	76.2	83.9	91.5	106.7	122.0	137.1	228.6	251.4	263.0	274.4	
6 1/4	33.0	43.9	58.5	65.8	73.2	80.5	87.8	102.4	117.1	131.6	219.5	241.3	252.4	263.4	
6 1/2	31.7	42.2	56.2	63.3	70.3	77.4	84.5	98.4	112.6	126.6	211.0	232.1	242.7	253.2	
6 3/4	30.5	40.7	54.1	60.9	67.7	74.5	81.3	94.8	108.4	121.9	203.2	223.5	233.7	243.9	
7	29.4	39.2	52.2	58.8	65.3	71.9	78.4	91.4	104.5	117.5	195.9	215.5	225.4	235.2	
8	25.8	34.3	45.7	51.4	57.2	62.9	68.6	80.0	91.5	102.8	171.5	188.6	197.2	205.8	
9	22.9	30.5	40.6	45.7	50.8	55.9	61.0	71.1	81.3	91.4	152.4	167.6	175.3	182.9	
10	20.6	27.5	36.5	41.1	45.7	50.3	54.9	64.0	73.2	82.3	137.2	150.8	157.8	164.6	
11	18.7	25.0	33.2	37.4	41.6	45.7	49.9	58.2	66.5	74.8	124.7	137.1	143.4	149.6	
12	17.2	22.9	30.5	34.3	38.1	41.9	45.8	53.3	61.0	68.6	114.3	125.7	131.5	137.2	
13	15.9	21.1	28.1	31.6	35.2	38.7	42.2	49.2	56.3	63.3	105.5	116.0	121.4	126.6	
14	14.7	19.6	26.1	29.4	32.7	35.9	39.2	45.7	52.3	58.8	98.0	107.7	112.7	117.6	