

# 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 400

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	122.1	162.7	216.5	243.7	270.9	298.1	325.3	379.2	433.6	487.5	812.8	893.9	934.9	975.5
	1	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
	1 1/4	73.3	97.6	129.9	146.2	162.6	178.9	195.2	227.5	260.2	292.5	487.7	536.3	561.0	585.3
	1 1/2	61.1	81.3	108.3	121.9	135.5	149.1	162.7	189.6	216.8	243.7	406.4	446.9	467.5	487.7
	1 3/4	52.3	69.7	92.8	104.5	116.1	127.8	139.4	162.5	185.8	208.9	348.3	383.1	400.7	418.1
	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
	2 1/4	40.7	54.2	72.2	81.2	90.3	99.4	108.4	126.4	144.5	162.5	270.9	298.0	311.6	325.2
	2 1/2	36.6	48.8	65.0	73.1	81.3	89.4	97.6	113.8	130.1	146.2	243.8	268.2	280.5	292.6
	2 3/4	33.3	44.4	59.1	66.5	73.9	81.3	88.7	103.4	118.3	132.9	221.7	243.8	255.0	266.0
	3	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
	3 1/4	28.2	37.5	50.0	56.2	62.5	68.8	75.1	87.5	100.1	112.5	187.6	206.3	215.8	225.1
	3 1/2	26.2	34.9	46.4	52.2	58.1	63.9	69.7	81.3	92.9	104.5	174.2	191.5	200.3	209.0
	3 3/4	24.4	32.5	43.3	48.7	54.2	59.6	65.1	75.8	86.7	97.5	162.6	178.8	187.0	195.1
	4	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
	4 1/4	21.6	28.7	38.2	43.0	47.8	52.6	57.4	66.9	76.5	86.0	143.4	157.7	165.0	172.1
	4 1/2	20.4	27.1	36.1	40.6	45.2	49.7	54.2	63.2	72.3	81.2	135.5	149.0	155.8	162.6
	4 3/4	19.3	25.7	34.2	38.5	42.8	47.1	51.4	59.9	68.5	77.0	128.3	141.1	147.6	154.0
	5	18.3	24.4	32.5	36.6	40.6	44.7	48.8	56.9	65.0	73.1	121.9	134.1	140.2	146.3
	5 1/4	17.4	23.2	30.9	34.8	38.7	42.6	46.5	54.2	61.9	69.6	116.1	127.7	133.6	139.4
	5 1/2	16.7	22.2	29.5	33.2	36.9	40.7	44.4	51.7	59.1	66.5	110.8	121.9	127.5	133.0
	5 3/4	15.9	21.2	28.2	31.8	35.3	38.9	42.4	49.5	56.6	63.6	106.0	116.6	121.9	127.2
	6	15.3	20.3	27.1	30.5	33.9	37.3	40.7	47.4	54.2	60.9	101.6	111.7	116.9	121.9
	6 1/4	14.7	19.5	26.0	29.2	32.5	35.8	39.0	45.5	52.0	58.5	97.5	107.3	112.2	117.1
	6 1/2	14.1	18.8	25.0	28.1	31.3	34.4	37.5	43.8	50.0	56.2	93.8	103.1	107.9	112.6
	6 3/4	13.6	18.1	24.1	27.1	30.1	33.1	36.1	42.1	48.2	54.2	90.3	99.3	103.9	108.4
	7	13.1	17.4	23.2	26.1	29.0	31.9	34.9	40.6	46.5	52.2	87.1	95.8	100.2	104.5
	8	11.5	15.3	20.3	22.9	25.4	28.0	30.5	35.6	40.7	45.7	76.2	83.8	87.7	91.5
	9	10.2	13.6	18.0	20.3	22.6	24.8	27.1	31.6	36.1	40.6	67.7	74.5	77.9	81.3
10	9.2	12.2	16.2	18.3	20.3	22.4	24.4	28.4	32.5	36.6	61.0	67.0	70.1	73.2	
11	8.3	11.1	14.8	16.6	18.5	20.3	22.2	25.9	29.6	33.2	55.4	60.9	63.7	66.5	
12	7.6	10.2	13.5	15.2	16.9	18.6	20.3	23.7	27.1	30.5	50.8	55.9	58.4	61.0	
13	7.0	9.4	12.5	14.1	15.6	17.2	18.8	21.9	25.0	28.1	46.9	51.6	53.9	56.3	
14	6.5	8.7	11.6	13.1	14.5	16.0	17.4	20.3	23.2	26.1	43.5	47.9	50.1	52.3	