

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 600

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	183.2	244.0	324.8	365.6	406.4	447.2	488.0	568.8	650.4	731.2	1219.2	1340.8	1402.4	1463.2
	1	137.4	183.0	243.6	274.2	304.8	335.4	366.0	426.6	487.2	547.8	914.4	1005.6	1051.8	1097.4
	1 1/4	109.9	146.4	194.9	219.4	243.8	268.3	292.8	341.3	390.2	438.7	731.5	804.5	841.4	877.9
	1 1/2	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 3/4	78.5	104.6	139.2	156.7	174.2	191.7	209.1	243.8	278.7	313.4	522.5	574.6	601.0	627.1
	2	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
	2 1/4	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
	2 1/2	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
	2 3/4	50.0	66.5	88.6	99.7	110.8	122.0	133.1	155.1	177.4	199.4	332.5	365.7	382.5	399.1
	3	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
	3 1/4	42.3	56.3	75.0	84.4	93.8	103.2	112.6	131.3	150.1	168.7	281.4	309.4	323.6	337.7
	3 1/2	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
	3 3/4	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
	4	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
4 1/4	32.3	43.1	57.3	64.5	71.7	78.9	86.1	100.4	114.8	129.0	215.2	236.6	247.5	258.2	
4 1/2	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	
4 3/4	28.9	38.5	51.3	57.7	64.2	70.6	77.1	89.8	102.7	115.5	192.5	211.7	221.4	231.0	
5	27.5	36.6	48.7	54.8	61.0	67.1	73.2	85.3	97.6	109.7	182.9	201.1	210.4	219.5	
5 1/4	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	
5 1/2	25.0	33.3	44.3	49.9	55.4	61.0	66.5	77.6	88.7	99.7	166.3	182.8	191.2	199.5	
5 3/4	23.9	31.8	42.4	47.7	53.0	58.3	63.7	74.2	84.8	95.4	159.0	174.9	182.9	190.9	
6	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	
6 1/4	22.0	29.3	39.0	43.9	48.8	53.7	58.6	68.3	78.0	87.7	146.3	160.9	168.3	175.6	
6 1/2	21.1	28.2	37.5	42.2	46.9	51.6	56.3	65.6	75.0	84.4	140.7	154.7	161.8	168.8	
6 3/4	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	
7	19.6	26.1	34.8	39.2	43.5	47.9	52.3	60.9	69.7	78.3	130.6	143.7	150.3	156.8	
8	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	
9	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	
10	13.7	18.3	24.4	27.4	30.5	33.5	36.6	42.7	48.8	54.8	91.4	100.6	105.2	109.7	
11	12.5	16.6	22.1	24.9	27.7	30.5	33.3	38.8	44.3	49.9	83.1	91.4	95.6	99.8	
12	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	
13	10.6	14.1	18.7	21.1	23.4	25.8	28.2	32.8	37.5	42.2	70.3	77.4	80.9	84.4	
14	9.8	13.1	17.4	19.6	21.8	24.0	26.1	30.5	34.8	39.2	65.3	71.8	75.1	78.4	