

1000

# 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 10X. 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 1000

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	305.3	406.7	541.3	609.3	677.3	745.3	813.3	948.0	1084.0	1218.7	2032.0	2234.7	2337.3	2438.7
	1	229.0	305.0	406.0	457.0	508.0	559.0	610.0	711.0	813.0	914.0	1524.0	1676.0	1753.0	1829.0
	1 1/4	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 1/2	152.7	203.3	270.7	304.7	338.7	372.7	406.7	474.0	542.0	609.3	1016.0	1117.3	1168.7	1219.3
	1 3/4	130.9	174.3	232.0	261.1	290.3	319.4	348.6	406.3	464.6	522.3	870.9	957.7	1001.7	1045.1
	2	114.5	152.5	203.0	228.5	254.0	279.5	305.0	355.5	406.5	457.0	762.0	838.0	876.5	914.5
	2 1/4	101.8	135.6	180.4	203.1	225.8	248.4	271.1	316.0	361.3	406.2	677.3	744.9	779.1	812.9
	2 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
	2 3/4	83.3	110.9	147.6	166.2	184.7	203.3	221.8	258.5	295.6	332.4	554.2	609.5	637.5	665.1
	3	76.3	101.7	135.3	152.3	169.3	186.3	203.3	237.0	271.0	304.7	508.0	558.7	584.3	609.7
	3 1/4	70.5	93.8	124.9	140.6	156.3	172.0	187.7	218.8	250.2	281.2	468.9	515.7	539.4	562.8
	3 1/2	65.4	87.1	116.0	130.6	145.1	159.7	174.3	203.1	232.3	261.1	435.4	478.9	500.9	522.6
	3 3/4	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
	4	57.3	76.3	101.5	114.3	127.0	139.8	152.5	177.8	203.3	228.5	381.0	419.0	438.3	457.3
4 1/4	53.9	71.8	95.5	107.5	119.5	131.5	143.5	167.3	191.3	215.1	358.6	394.4	412.5	430.4	
4 1/2	50.9	67.8	90.2	101.6	112.9	124.2	135.6	158.0	180.7	203.1	338.7	372.4	389.6	406.4	
4 3/4	48.2	64.2	85.5	96.2	106.9	117.7	128.4	149.7	171.2	192.4	320.8	352.8	369.1	385.1	
5	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	
5 1/4	43.6	58.1	77.3	87.0	96.8	106.5	116.2	135.4	154.9	174.1	290.3	319.2	333.9	348.4	
5 1/2	41.6	55.5	73.8	83.1	92.4	101.6	110.9	129.3	147.8	166.2	277.1	304.7	318.7	332.5	
5 3/4	39.8	53.0	70.6	79.5	88.3	97.2	106.1	123.7	141.4	159.0	265.0	291.5	304.9	318.1	
6	38.2	50.8	67.7	76.2	84.7	93.2	101.7	118.5	135.5	152.3	254.0	279.3	292.2	304.8	
6 1/4	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	
6 1/2	35.2	46.9	62.5	70.3	78.2	86.0	93.8	109.4	125.1	140.6	234.5	257.6	269.7	281.4	
6 3/4	33.9	45.2	60.1	67.7	75.3	82.8	90.4	105.3	120.4	135.4	225.8	248.3	259.7	271.0	
7	32.7	43.6	58.0	65.3	72.6	79.9	87.1	101.6	116.1	130.6	217.7	239.4	250.4	261.3	
8	28.6	38.1	50.8	57.1	63.5	69.9	76.3	88.9	101.6	114.3	190.5	209.5	219.1	228.6	
9	25.4	33.9	45.1	50.8	56.4	62.1	67.8	79.0	90.3	101.6	169.3	186.2	194.8	203.2	
10	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	
11	20.8	27.7	36.9	41.5	46.2	50.8	55.5	64.6	73.9	83.1	138.5	152.4	159.4	166.3	
12	19.1	25.4	33.8	38.1	42.3	46.6	50.8	59.3	67.8	76.2	127.0	139.7	146.1	152.4	
13	17.6	23.5	31.2	35.2	39.1	43.0	46.9	54.7	62.5	70.3	117.2	128.9	134.8	140.7	
14	16.4	21.8	29.0	32.6	36.3	39.9	43.6	50.8	58.1	65.3	108.9	119.7	125.2	130.6	