

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 800

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
1	3/4	244.3	325.3	433.1	487.5	541.9	596.3	650.7	758.4	867.2	974.9	1625.6	1787.7	1869.9	1950.9
	1	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 1/4	146.6	195.2	259.8	292.5	325.1	357.8	390.4	455.0	520.3	585.0	975.4	1072.6	1121.9	1170.6
	1 1/2	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 3/4	104.7	139.4	185.6	208.9	232.2	255.5	278.9	325.0	371.7	417.8	696.7	766.2	801.4	836.1
	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 1/4	81.4	108.4	144.4	162.5	180.6	198.8	216.9	252.8	289.1	325.0	541.9	595.9	623.3	650.3
	2 1/2	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
	2 3/4	66.6	88.7	118.1	132.9	147.8	162.6	177.5	206.8	236.5	265.9	443.3	487.6	510.0	532.1
	3	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
	3 1/4	56.4	75.1	99.9	112.5	125.0	137.6	150.2	175.0	200.1	225.0	375.1	412.6	431.5	450.2
	3 1/2	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
	3 3/4	48.9	65.1	86.6	97.5	108.4	119.3	130.1	151.7	173.4	195.0	325.1	357.5	374.0	390.2
	4	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 1/4	43.1	57.4	76.4	86.0	95.6	105.2	114.8	133.8	153.0	172.0	286.9	315.5	330.0	344.3	
4 1/2	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	
4 3/4	38.6	51.4	68.4	77.0	85.6	94.1	102.7	119.7	136.9	153.9	256.7	282.3	295.2	308.0	
5	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	
5 1/4	34.9	46.5	61.9	69.6	77.4	85.2	93.0	108.3	123.9	139.3	232.2	255.4	267.1	278.7	
5 1/2	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	
5 3/4	31.9	42.4	56.5	63.6	70.7	77.8	84.9	98.9	113.1	127.2	212.0	233.2	243.9	254.5	
6	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	
6 1/4	29.3	39.0	52.0	58.5	65.0	71.6	78.1	91.0	104.1	117.0	195.1	214.5	224.4	234.1	
6 1/2	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	
6 3/4	27.1	36.1	48.1	54.2	60.2	66.3	72.3	84.3	96.4	108.3	180.6	198.6	207.8	216.8	
7	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	
8	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	
9	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	
10	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	
11	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	
12	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	
13	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	
14	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	