Cross the Beam Angle and the Beam Throw distance (feet) to find the Beam Diameter (feet)

Beam Angle \ Throw	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165
2	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.6	1.7	1.9	2.1	2.3	2.4	2.6	2.8	3.0	3.1	3.3	3.5	3.7	3.8	4.0	4.2	4.4	4.5	4.7	4.9	5.1	5.2	5.4	5.6	5.8
4	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	3.5	3.8	4.2	4.5	4.9	5.2	5.6	5.9	6.3	6.6	7.0	7.3	7.7	8.0	8.4	8.7	9.1	9.4	9.8	10.1	10.5	10.8	11.2	11.5
6	0.5	1.0	1.6	2.1	2.6	3.1	3.7	4.2	4.7	5.2	5.8	6.3	6.8	7.3	7.9	8.4	8.9	9.4	10.0	10.5	11.0	11.5	12.1	12.6	13.1	13.6	14.2	14.7	15.2	15.7	16.2	16.8	17.3
8	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.6	6.3	7.0	7.7	8.4	9.1	9.8	10.5	11.2	11.9	12.6	13.3	14.0	14.7	15.4	16.1	16.8	17.5	18.2	18.9	19.6	20.3	21.0	21.7	22.4	23.1
10	0.9	1.7	2.6	3.5	4.4	5.2	6.1	7.0	7.9	8.7	9.6	10.5	11.4	12.2	13.1	14.0	14.9	15.7	16.6	17.5	18.4	19.2	20.1	21.0	21.9	22.7	23.6	24.5	25.4	26.2	27.1	28.0	28.9
12	1.1	2.1	3.2	4.2	5.3	6.3	7.4	8.4	9.5	10.5	11.6	12.6	13.7	14.7	15.8	16.8	17.9	18.9	20.0	21.0	22.1	23.1	24.2	25.2	26.3	27.3	28.4	29.4	30.5	31.5	32.6	33.6	34.7
14	1.2	2.5	3.7	4.9	6.1	7.4	8.6	9.8	11.1	12.3	13.5	14.7	16.0	17.2	18.4	19.6	20.9	22.1	23.3	24.6	25.8	27.0	28.2	29.5	30.7	31.9	33.2	34.4	35.6	36.8	38.1	39.3	40.5
16	1.4	2.8	4.2	5.6	7.0	8.4	9.8	11.2	12.6	14.1	15.5	16.9	18.3	19.7	21.1	22.5	23.9	25.3	26.7	28.1	29.5	30.9	32.3	33.7	35.1	36.5	37.9	39.4	40.8	42.2	43.6	45.0	46.4
18	1.6	3.2	4.8	6.3	7.9	9.5	11.1	12.7	14.3	15.8	17.4	19.0	20.6	22.2	23.8	25.3	26.9	28.5	30.1	31.7	33.3	34.8	36.4	38.0	39.6	41.2	42.8	44.3	45.9	47.5	49.1	50.7	52.3
20	1.8	3.5	5.3	7.1	8.8	10.6	12.3	14.1	15.9	17.6	19.4	21.2	22.9	24.7	26.4	28.2	30.0	31.7	33.5	35.3	37.0	38.8	40.6	42.3	44.1	45.8	47.6	49.4	51.1	52.9	54.7	56.4	58.2
22	1.9	3.9	5.8	7.8	9.7	11.7	13.6	15.6	17.5	19.4	21.4	23.3	25.3	27.2	29.2	31.1	33.0	35.0	36.9	38.9	40.8	42.8	44.7	46.7	48.6	50.5	52.5	54.4	56.4	58.3	60.3	62.2	64.1
24	2.1	4.3	6.4	8.5	10.6	12.8	14.9	17.0	19.1	21.3	23.4	25.5	27.6	29.8	31.9	34.0	36.1	38.3	40.4	42.5	44.6	46.8	48.9	51.0	53.1	55.3	57.4	59.5	61.6	63.8	65.9	68.0	70.1
26	2.3	4.6	6.9	9.2	11.5	13.9	16.2	18.5	20.8	23.1	25.4	27.7	30.0	32.3	34.6	36.9	39.2	41.6	43.9	46.2	48.5	50.8	53.1	55.4	57.7	60.0	62.3	64.6	67.0	69.3	71.6	73.9	76.2
28	2.5	5.0	7.5	10.0	12.5	15.0	17.5	19.9	22.4	24.9	27.4	29.9	32.4	34.9	37.4	39.9	42.4	44.9	47.4	49.9	52.4	54.9	57.3	59.8	62.3	64.8	67.3	69.8	72.3	74.8	77.3	79.8	82.3
30	2.7	5.4	8.0	10.7	13.4	16.1	18.8	21.4	24.1	26.8	29.5	32.2	34.8	37.5	40.2	42.9	45.6	48.2	50.9	53.6	56.3	58.9	61.6	64.3	67.0	69.7	72.3	75.0	77.7	80.4	83.1	85.7	88.4
32	2.9	5.7	8.6	11.5	14.3	17.2	20.1	22.9	25.8	28.7	31.5	34.4	37.3	40.1	43.0	45.9	48.7	51.6	54.5	57.3	60.2	63.1	66.0	68.8	71.7	74.6	77.4	80.3	83.2	86.0	88.9	91.8	94.6
34	3.1	6.1	9.2	12.2	15.3	18.3	21.4	24.5	27.5	30.6	33.6	36.7	39.7	42.8	45.9	48.9	52.0	55.0	58.1	61.1	64.2	67.3	70.3	73.4	76.4	79.5	82.5	85.6	88.7	91.7	94.8	97.8	100.9
36	3.2	6.5	9.7	13.0	16.2	19.5	22.7	26.0	29.2	32.5	35.7	39.0	42.2	45.5	48.7	52.0	55.2	58.5	61.7	65.0	68.2	71.5	74.7	78.0	81.2	84.5	87.7	91.0	94.2	97.5	100.7	104.0	107.2
38	3.4	6.9	10.3	13.8	17.2	20.7	24.1	27.5	31.0	34.4	37.9	41.3	44.8	48.2	51.6	55.1	58.5	62.0	65.4	68.9	72.3	75.8	79.2	82.6	86.1	89.5	93.0	96.4	99.9	103.3	106.7	110.2	113.6
40	3.6	7.3	10.9	14.6	18.2	21.8	25.5	29.1	32.8	36.4	40.0	43.7	47.3	51.0	54.6	58.2	61.9	65.5	69.2	72.8	76.4	80.1	83.7	87.4	91.0	94.6	98.3	101.9	105.6	109.2	112.8	116.5	120.1
42	3.8	7.7	11.5	15.4	19.2	23.0	26.9	30.7	34.5	38.4	42.2	46.1	49.9	53.7	57.6	61.4	65.3	69.1	72.9	76.8	80.6	84.5	88.3	92.1	96.0	99.8	103.6	107.5	111.3	115.2	119.0	122.8	126.7
44	4.0	8.1	12.1	16.2	20.2	24.2	28.3	32.3	36.4	40.4	44.4	48.5	52.5	56.6	60.6	64.6	68.7	72.7	76.8	80.8	84.8	88.9	92.9	97.0	101.0	105.0	109.1	113.1	117.2	121.2	125.2	129.3	133.3
46	4.2	8.5	12.7	17.0	21.2	25.5	29.7	34.0	38.2	42.4	46.7	50.9	55.2	59.4	63.7	67.9	72.2	76.4	80.7	84.9	89.1	93.4	97.6	101.9	106.1	110.4	114.6	118.9	123.1	127.3	131.6	135.8	140.1
48	4.5	8.9	13.4	17.8	22.3	26.7	31.2	35.6	40.1	44.5	49.0	53.4	57.9	62.3	66.8	71.2	75.7	80.1	84.6	89.0	93.5	98.0	102.4	106.9	111.3	115.8	120.2	124.7	129.1	133.6	138.0	142.5	146.9
50	4.7	9.3	14.0	18.7	23.3	28.0	32.6	37.3	42.0	46.6	51.3	56.0	60.6	65.3	69.9	74.6	79.3	83.9	88.6	93.3	97.9	102.6	107.3	111.9	116.6	121.2	125.9	130.6	135.2	139.9	144.6	149.2	153.9
52	4.9	9.8	14.6	19.5	24.4	29.3	34.1	39.0	43.9	48.8	53.7	58.5	63.4	68.3	73.2	78.0	82.9	87.8	92.7	97.5	102.4	107.3	112.2	117.1	121.9	126.8	131.7	136.6	141.4	146.3	151.2	156.1	161.0
54	5.1	10.2	15.3	20.4	25.5	30.6	35.7	40.8	45.9	51.0	56.0	61.1	66.2	71.3	76.4	81.5	86.6	91.7	96.8	101.9	107.0	112.1	117.2	122.3	127.4	132.5	137.6	142.7	147.8	152.9	158.0	163.0	168.1
56	5.3	10.6	16.0	21.3	26.6	31.9	37.2	42.5	47.9	53.2	58.5	63.8	69.1	74.4	79.8	85.1	90.4	95.7	101.0	106.3	111.7	117.0	122.3	127.6	132.9	138.2	143.6	148.9	154.2	159.5	164.8	170.1	175.5
58	5.5	11.1	16.6	22.2	27.7	33.3	38.8	44.3	49.9	55.4	61.0	66.5	72.1	77.6	83.1	88.7	94.2	99.8	105.3	110.9	116.4	121.9	127.5	133.0	138.6	144.1	149.7	155.2	160.7	166.3	171.8	177.4	182.9
60	5.8	11.5	17.3	23.1	28.9	34.6	40.4	46.2	52.0	57.7	63.5	69.3	75.1	80.8	86.6	92.4	98.1	103.9	109.7	115.5	121.2	127.0	132.8	138.6	144.3	150.1	155.9	161.7	167.4	173.2	179.0	184.8	190.5
62	6.0	12.0	18.0	24.0	30.0	36.1	42.1	48.1	54.1	60.1	66.1	72.1	78.1	84.1	90.1	96.1	102.1	108.2	114.2	120.2	126.2	132.2	138.2	144.2	150.2	156.2	162.2	168.2	174.2	180.3	186.3	192.3	198.3
64	6.2	12.5	18.7	25.0	31.2	37.5	43.7	50.0	56.2	62.5	68.7	75.0	81.2	87.5	93.7	100.0	106.2	112.5	118.7	125.0	131.2	137.5	143.7	150.0	156.2	162.5	168.7	175.0	181.2	187.5	193.7	200.0	206.2
66	6.5	13.0	19.5	26.0	32.5	39.0	45.5	52.0	58.4	64.9	71.4	77.9	84.4	90.9	97.4	103.9	110.4	116.9	123.4	129.9	136.4	142.9	149.4	155.9	162.4	168.8	175.3	181.8	188.3	194.8	201.3	207.8	214.3
68	6.7	13.5	20.2	27.0	33.7	40.5	47.2	54.0	60.7	67.5	74.2	80.9	87.7	94.4	101.2	107.9	114.7	121.4	128.2	134.9	141.6	148.4	155.1	161.9	168.6	175.4	182.1	188.9	195.6	202.4	209.1	215.8	222.6
70	7.0	14.0	21.0	28.0	35.0	42.0	49.0	56.0	63.0	70.0	77.0	84.0	91.0	98.0	105.0	112.0	119.0	126.0	133.0	140.0	147.0	154.0	161.0	168.0	175.1	182.1	189.1	196.1	203.1	210.1	217.1	224.1	231.1
72	7.3	14.5	21.8	29.1	36.3	43.6	50.9	58.1	65.4	72.7	79.9	87.2	94.5	101.7	109.0	116.2	123.5	130.8	138.0	145.3	152.6	159.8	167.1	174.4	181.6	188.9	196.2	203.4	210.7	218.0	225.2	232.5	239.8
74	7.5	15.1	22.6	30.1	37.7	45.2	52.7	60.3	67.8	75.4	82.9	90.4	98.0	105.5	113.0	120.6	128.1	135.6	143.2	150.7	158.2	165.8	173.3	180.9	188.4	195.9	203.5	211.0	218.5	226.1	233.6	241.1	248.7
76	7.8	15.6	23.4	31.3	39.1	46.9	54.7	62.5	70.3	78.1	85.9	93.8	101.6	109.4	117.2	125.0	132.8	140.6	148.4	156.3	164.1	171.9	179.7	187.5	195.3	203.1	210.9	218.8	226.6	234.4	242.2	250.0	257.8
78	8.1	16.2	24.3	32.4	40.5	48.6	56.7	64.8	72.9	81.0	89.1	97.2	105.3	113.4	121.5	129.6	137.7	145.8	153.9	162.0	170.1	178.2	186.3	194.3	202.4	210.5	218.6	226.7	234.8	242.9	251.0	259.1	267.2
80	8.4	16.8	25.2	33.6	42.0	50.3	58.7	67.1	75.5	83.9	92.3	100.7	109.1	117.5	125.9	134.3	142.6	151.0	159.4	167.8	176.2	184.6	193.0	201.4	209.8	218.2	226.6	234.9	243.3	251.7	260.1	268.5	276.9
82	8.7	17.4	26.1	34.8	43.5	52.2	60.9	69.5	78.2	86.9	95.6	104.3	113.0	121.7	130.4	139.1	147.8	156.5	165.2	173.9	182.6	191.2	199.9	208.6	217.3	226.0	234.7	243.4	252.1	260.8	269.5	278.2	286.9
84	9.0	18.0	27.0	36.0	45.0	54.0	63.0	72.0	81.0	90.0	99.0	108.0	117.1	126.1	135.1	144.1	153.1	162.1	171.1	180.1	189.1	198.1	207.1	216.1	225.1	234.1	243.1	252.1	261.1	270.1	279.1	288.1	297.1
86	9.3	18.7	28.0	37.3	46.6	56.0	65.3	74.6	83.9	93.3	102.6	111.9	121.2	130.6	139.9	149.2	158.5	167.9	177.2	186.5	195.8	205.2	214.5	223.8	233.1	242.5	251.8	261.1	270.4	279.8	289.1	298.4	307.7
88	9.7	19.3	29.0	38.6	48.3	57.9	67.6	77.3	86.9	96.6	106.2	115.9	125.5	135.2	144.9	154.5	164.2	173.8	183.5	193.1	202.8	212.5	222.1	231.8	241.4	251.1	260.7	270.4	280.0	289.7	299.4	309.0	318.7
90	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0	210.0	220.0	230.0	240.0	250.0	260.0	270.0	280.0	290.0	300.0	310.0	320.0	330.0
92	10.4	20.7	31.1	41.4	51.8	62.1	72.5	82.8	93.2	103.6	113.9	124.3	134.6	145.0	155.3	165.7	176.0	186.4	196.8	207.1	217.5	227.8	238.2	248.5	258.9	269.2	279.6	289.9	300.3	310.7	321.0	331.4	341.7
94	10.7	21.4	32.2	42.9	53.6	64.3	75.1	85.8	96.5	107.2	118.0	128.7	139.4	150.1	160.9	171.6	182.3	193.0	203.8	214.5	225.2	235.9	246.6	257.4	268.1	278.8	289.5	300.3	311.0	321.7	332.4	343.2	353.9
96	11.1	22.2	33.3	44.4	55.5	66.6	77.7	88.8	100.0	111.1	122.2	133.3	144.4	155.5	166.6	177.7	188.8	199.9	211.0	222.1	233.2	244.3	255.4	266.5	277.7	288.8	299.9	311.0	322.1	333.2	344.3	355.4	366.5
98	11.5	23.0	34.5	46.0	57.5	69.0	80.5	92.0	103.5	115.0	126.5	138.0	149.5	161.1	172.6	184.1	195.6	207.1	218.6	230.1	241.6	253.1	264.6	276.1	287.6	299.1	310.6	322.1	333.6	345.1	356.6	368.1	379.6
100	11.9	23.8	35.8	47.7	59.6	71.5	83.4	95.3	107.3	119.2	131.1	143.0	154.9	166.8	178.8	190.7	202.6	214.5	226.4	238.4	250.3	262.2	274.1	286.0	297.9	309.9	321.8	333.7	345.6	357.5	369.4	381.4	393.3
102	12.3	24.7	37.0	49.4	61.7	74.1	86.4	98.8	111.1	123.5	135.8	148.2	160.5	172.9	185.2	197.6	209.9	222.3	234.6	247.0	259.3	271.7	284.0	296.4	308.7	321.1	333.4	345.8	358.1	370.5	382.8	395.2	407.5
104	12.8	25.6	38.4	51.2	64.0	76.8	89.6	102.4	115.2	128.0	140.8	153.6	166.4	179.2	192.0	204.8	217.6	230.4	243.2	256.0	268.8	281.6	294.4	307.2	320.0	332.8	345.6	358.4	371.2	384.0	396.8	409.6	422.4
106	13.3	26.5	39.8	53.1	66.4	79.6	92.9	106.2	119.4	132.7	146.0	159.2	172.5	185.8	199.1	212.3	225.6	238.9	252.1	265.4	278.7	291.9	305.2	318.5	331.8	345.0	358.3	371.6	384.8	398.1	411.4	424.7	437.9
108	13.8	27.5	41.3	55.1	68.8	82.6	96.3	110.1	123.9	137.6	151.4	165.2	178.9	192.7	206.5	220.2	234.0	247.7	261.5	275.3	289.0	302.8	316.6	330.3	344.1	357.9	371.6	385.4	399.2	412.9	426.7	440.4	454.2
110	14.3	28.6	42.8	57.1	71.4	85.7	100.0	114.3	128.5	142.8	157.1	171.4	185.7	199.9	214.2	228.5	242.8	257.1	271.3	285.6	299.9	314.2	328.5	342.8	357.0	371.3	385.6	399.9	414.2	428.4	442.7	457.0	471.3
112	14.8	29.7	44.5	59.3	74.1	89.0	103.8	118.6	133.4	148.3	163.1	177.9	192.7	207.6	222.4	237.2	252.0	266.9	281.7	296.5	311.3	326.2	341.0	355.8	370.6	385.5	400.3	415.1	429.9	444.8	459.6	474.4	489.2
114	15.4	30.8	46.2	61.6	77.0	92.4	107.8	123.2	138.6	154.0	169.4	184.8	200.2	215.6	231.0	246.4	261.8	277.2	292.6	308.0	323.4	338.8	354.2	369.6	385.0	400.4	415.8	431.2	446.6	462.0	477.4	492.8	508.2
116	16.0	32.0	48.0	64.0	80.0	96.0	112.0	128.0	144.0	160.0	176.0	192.0	208.0	224.0	240.1	256.1	272.1	288.1	304.1	320.1	336.1	352.1	368.1	384.1	400.1	416.1	432.1	448.1	464.1	480.1	496.1	512.1	528.1
118	16.6	33.3	49.9	66.6	83.2	99.9	116.5	133.1	149.8	166.4	183.1	199.7	216.4	233.0	249.6	266.3	282.9	299.6	316.2	332.9	349.5	366.1	382.8	399.4									
120	17.3	34.6	52.0	69.3	86.6	103.9	121.2	138.6	155.9	173.2	190.5	207.8	225.2	242.5	259.8	277.1	294.4	311.8	329.1	346.4	363.7	381.1	398.4	415.7									

www.Techni-Lux.com