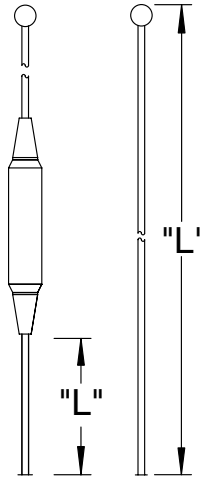




CUTTING CHART FOR LOAD COIL ANTENNAS



- 1) Locate the proper cutting chart for your antenna on one of the charts listed on this chart.
- 2) The charts list the rod length in inches.
- 3) Due to the continuing improvement of our entire antenna line, the cutting chart you have received with our antenna should not be used as valid data for future antenna shipments.
- 4) For collinear antennas, cut the bottom rod per the illustration:
- 5) Antenex antennas are designed and sold for the commercial installer. If you are not a qualified installer, it is suggested you contact your local radio dealer or distributor for professional installation.

C27 27-31 MHz DC Ground Base Load QW		
Frequency Mhz	Rod Length w/o Spring	Rod Length with Spring
27.0	49"	47"
27.5	47-1/2"	45-1/2"
28.0	46"	44"
28.5	44-1/4"	42-1/4"
29.0	42-3/4"	40-3/4"
30.0	39-3/4"	37-1/4"
30.5	38-1/2"	36-1/2"
31.0	37-1/4"	35-1/4"

C30 30-35 MHz DC Ground Base Load QW		
Frequency Mhz	Rod Length w/o Spring	Rod Length with Spring
30.0	49"	47"
30.5	47"	45-1/4"
31.0	45-1/2"	43-3/4"
31.5	44"	42-1/2"
32.0	42-3/4"	41"
32.5	41-1/4"	39-3/4"
33.0	40"	38-1/4"
33.5	38-3/4"	37"
34.0	37-3/4"	36"
34.5	36-1/2"	34-1/2"
35.0	35-1/2"	33-1/2"

C34 34-37 MHz Ground Base Load QW		
Frequency Mhz	Rod Length w/o Spring	Rod Length with Spring
34.0	49"	47-1/2"
34.5	47-3/4"	46"
35.0	46-1/2"	44-3/4"
35.5	45-1/4"	43-1/2"
36.0	44"	42-1/2"
36.5	42-3/4"	41-1/4"
37.0	41-3/4"	40"

C37 37-40 MHz DC Ground Base Load QW		
Frequency Mhz	Rod Length w/o Spring	Rod Length with Spring
37.0	49"	46-1/2"
37.5	47"	45"
38.0	46"	44-1/4"
38.5	45"	43-1/2"
39.0	44"	42-3/4"
39.5	43-1/4"	41-1/2"
40.0	42-1/4"	40-3/4"

C40 40-47 MHz DC Ground Base Load QW		
Frequency Mhz	Rod Length w/o Spring	Rod Length with Spring
40.0	49"	47-1/2"
40.5	48-1/4"	46-3/4"
41.0	47-1/2"	46"
41.5	46-1/2"	45"
42.0	45-3/4"	44-1/4"
42.5	45"	43-1/2"
43.0	44"	42-3/4"
43.5	43-1/4"	41-3/4"
44.0	42-1/2"	41"
44.5	41-3/4"	40-1/4"
45.0	41"	39-1/2"
45.5	40-1/4"	38-3/4"
46.0	39-1/2"	38"
46.5	38-3/4"	37-1/4"
47.0	38"	36-3/4"

C47 47-50 MHz DC Ground Base Load QW		
Frequency Mhz	Rod Length w/o Spring	Rod Length with Spring
47.0	49"	47-3/4"
47.5	48-1/4"	47-1/4"
48.0	47-1/4"	46-3/4"
48.5	47-1/4"	46-1/4"
49.0	46-3/4"	45-3/4"
49.5	46-1/4"	45-1/4"
50.0	45-3/4"	44-3/4"

B52 52-174 MHz Unity 1/4 Wave		
Frequency Mhz	Rod Length w/o Spring	Rod Length with Spring
54	53-1/4"	19-1/8"
56	51-1/4"	18-7/8"
58	49-1/2"	18-1/2"
60	47-3/4"	18-1/4"
62	46-1/4"	18"
64	45-1/4"	17-5/8"
66	44-5/8"	17-3/8"
72	40-3/4"	17"
78	37-5/8"	16-7/8"
84	34-7/8"	16-5/8"
90	32-5/8"	16-3/8"
96	30-1/2"	16-1/4"
102	28-3/4"	16"
108	27-1/8"	15-3/4"
114	25-5/8"	15-1/2"
132	20-1/8"	14-5/8"
134	19-7/8"	14-1/2"

B66 66-174 MHz Unity 1/4 Wave		
Frequency Mhz	Rod Length w/o Spring	Rod Length with Spring
66	44-5/8"	18-1/4"
72	40-3/4"	18"
78	37-5/8"	17-5/8"
84	34-7/8"	17-3/8"
90	32-5/8"	17"
96	30-1/2"	16-7/8"
102	28-3/4"	16-5/8"
108	27-1/8"	16-3/8"
114	25-5/8"	16-1/4"
120	24-3/8"	16"
126	23-1/8"	15-3/4"
132	20-1/8"	15-1/2"
134	19-7/8"	15-1/2"
136	19-1/2"	15"
138	19-1/8"	14-5/8"
140	18-7/8"	14-1/2"
142	18-1/2"	

B1323 132-174 MHz 3dB Loaded 5/8 Wave		
Frequency Mhz	Rod Length w/o Spring	Rod Length with Spring
132	55"	53-5/8"
134	54-5/8"	52-1/2"
136	53-5/8"	51-1/4"
138	53-1/2"	50"
140	52-3/4"	49-3/8"
142	52"	48-1/2"
144	49"	46-3/4"
146	48-1/4"	45-1/4"
148	47"	45"
150	46-1/4"	44"
152	45-1/2"	43"
154	44-1/4"	42"
156	43-1/4"	41"
158	43"	40-1/2"
160	42-1/4"	39-3/4"
162	41-1/2"	38-3/4"
164	40-3/4"	38-1/8"
166	40"	37-1/4"
168	39-1/2"	36-1/2"
170	38-3/4"	35-1/2"
172	38"	35-1/2"
174	37-1/2"	34-3/4"

B1442N 144-174 MHz 1/2 Wave NGP 2dB		
Frequency Mhz	Rod Length w/o Spring	Rod Length with Spring
132	53"	51"
134	51"	49"
136	49-1/2"	47-1/2"
138	48"	45-1/2"
140	46-1/2"	43-1/2"
142	45"	42"
144	44"	40-3/4"
146	42-1/2"	39-1/2"
148	41-1/2"	38-1/2"
150	40-1/4"	37"
152	39"	36"
154	38"	35"
156	37"	34"
158	35-1/2"	33"
160	34-1/2"	32"
162	33-1/2"	31"
164	32-3/4"	30-1/4"
166	32"	29-1/2"
168	31-1/2"	29"
170	31"	28-1/2"
172	30-1/4"	27-3/4"
174	29-1/2"	27"

B1443 144-174 MHz 3dB Loaded 5/8 Wave		
Frequency Mhz	Rod Length w/o Spring	Rod Length with Spring
132	54-5/8"	52-5/8"
134	53-1/2"	51-3/8"
136	52-3/8"	50-1/8"
138	51-1/4"	49"
140	50-1/4"	48"
142	49-3/8"	47"
144	48-1/8"	45-5/8"
146	47-1/4"	44-3/4"
148	46-3/8"	43-3/4"
150	45-1/2"	42-7/8"
152	44-7/8"	42-1/8"
154	43-3/4"	41-1/2"
156	42-7/8"	40-3/8"
158	42-1/8"	39-1/2"
160	41-1/4"	38-7/8"
162	40-1/2"	38"
164	39-1/2"	37-1/8"
166	38-3/4"	36-1/4"
168	38"	35-3/8"
170	37-1/8"	34-3/8"
172	36-3/8"	33-5/8"
174	35-7/8"	32-7/8"

B2002N 200-225 MHz NGP Base Loaded 1/2 Wave		
Frequency Mhz	Rod Length w/o Spring	Rod Length with Spring
200	29-5/8"	26-3/4"
205	28-1/8"	25-1/2"
210	26-1/2"	23-3/4"
215	25"	22-1/2"
220	23-3/8"	21-1/2"
225	21-7/8"	20-3/8"

B2003 200-225 MHz 3dB Loaded 5/8 Wave		
Frequency Mhz	Rod Length w/o Spring	Rod Length with Spring
200	33"	29-3/4"
205	32"	28-3/4"
210	31"	27-3/4"
215	30"	26-3/4"
220	29"	25-3/4"
225	28"	24-3/4"

B4065C 406-430 MHz 5dB 5/8 Over 5/8		
Frequency Mhz	Rod Length w/o Spring	Rod Length with Spring
406	16-3/4"	13-1/8"
410	16-3/8"	12-1/2"
415	15-7/8"	12"
420	15-3/8"	11"
425	14-7/8"	11"
430	14-3/8"	10-1/2"

B4065CN 406-430 MHz NGP 5/8 Over 5/8 Wave		
Frequency Mhz	Rod Length w/o Spring	Rod Length with Spring
406	13-3/8"	13-5/8"
410	13"	13-1/8"
415	12-1/2"	12-9/16"
420	12"	12"
425	11-9/16	11-1/2"
430	11-1/8"	11"

B4305C 430-450 MHz 5dB 5/8 Over 5/8		
Frequency Mhz	Rod Length w/o Spring	Rod Length with Spring
430	14-3/8"	12-9/16"
435	13-7/8"	12-1/8"
440	13-3/8"	11-11/16"
445	12-7/8"	11-1/4"
450	12-3/8"	10-7/8"

B4305CN 430-450 MHz 5dB NGP 5/8 Over 5/8		
Frequency Mhz	Rod Length w/o Spring	Rod Length with Spring
430	14"	16-1/2"
435	13-1/2"	15-1/2"
440	13"	14-1/2"
445	12-1/2"	13-1/2"
450	12"	12-1/2"

B4505C 450-470 MHz 5dB 5/8 Over 5/8 Wave		
Frequency Mhz	Rod Length w/o Spring	Rod Length with Spring
450	12-7/8"	11-3/4"
455	12-3/8"	11-1/8"
460	11-5/8"	10-7/8"
465	11-1/8"	10-1/2"
470	10-5/8"	10-1/4"

B4505CN 450-470 MHz 5dB NGP 5/8 Over 5/8		
Frequency Mhz	Rod Length w/o Spring	Rod Length with Spring
450	14-3/8"	11"
455	13-7/8"	10-5/8"
460	13-3/8"	10-1/4"
465	13"	9-7/8"
470	12-5/8"	9-1/2"

B4705C 470-490 MHz 5dB 5/8 Over 5/8 WAVE		
Frequency Mhz	Rod Length w/o Spring	Rod Length with Spring
470	13-7/8"	12-1/2"
475	13-3/8"	12"
480	12-7/8"	11-1/2"
485	12-1/2"	11"
490	11-3/4"	10-1/2"

B4705CN 470-490 MHz 5dB NGP 5/8 Over 5/8		
Frequency Mhz	Rod Length w/o Spring	Rod Length with Spring
470	10-7/8"	10-1/4"
475	10-1/2"	9-7/8"
480	10-1/8"	9-1/2"
485	9-13/16"	9-1/8"
490	9-1/2"	8-3/4"

B4905CN 490-512 MHz 5dB NGP 5/8 Over 5/8		
Frequency Mhz	Rod Length w/o Spring	Rod Length with Spring
490	13"	
495	12-1/2"	
500	11-7/8"	
505	11-1/4"	
510	10-3/4"	

B4905C 490-512 MHz 5dB 5/8 Over 5/8 Wave		
Frequency Mhz	Rod Length w/o Spring	Rod Length with Spring
490	11-5/8"	10-5/16"
495	11-1/4"	10-1/16"
500	10-7/8"	9-13/16"
505	10-1/2"	7-7/16"
512	10-3/16"	9-1/4"



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