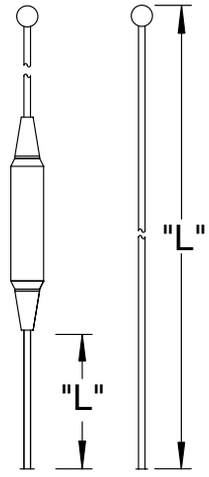
ANTENEX INC.

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 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 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 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 5dB NGP 5/8 Over 5/8

Frequency Mhz	Rod Length w/o Spring
490	13"
495	12-1/2"
500	11-7/8"
505	11-1/4"
510	10-3/4"

B4905C
490-512 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"

Whatever your installation requires, Antenex has the right mount, cables, connectors and accessories for you!

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