

Mobile Coil Antennas

Elastomer Spring Packages

Premium mobile load coil antennas are industry standard
Laird's ongoing commitment to refinement in mechanical and electrical design has resulted in the release of our latest product, the mobile coil antenna with an elastomer spring. The new elastomer spring provides increased flexibility, better shape retention, and eliminates electronic noise & road noise compared to stainless steel springs. The mobile coil antennas will continue to maintain all of the features that make them unique, such as stainless steel whips, housings constructed with ABS material injection molded around a solid brass insert, and gold plated push pin contacts. Together, the mobile coil antenna and elastomer spring, make Laird Technologies the obvious choice for quality and long lasting value for demanding mobile radio communications.

ORDERING INFORMATION

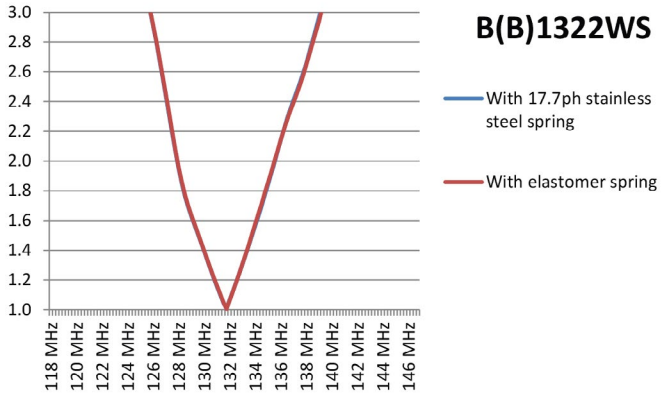
BASE ANTENNA	ANTENNA W/ ELASTOMER SPRING PN	DESCRIPTION	GAIN
B132	B132R	132 - 525 MHz Tunable Chrome, Elast Spr	Unity
	BB132R	132 - 525 MHz Tunable Black, Elast Spr	Unity
B1322N	B1322NR	132 - 174 MHz Chrome, NGP, Elast Spr	2 dBi
	BB1322NR	132 - 174 MHz Black, Elast Spr	2 dBi
B1323	B1323R	132 - 174 MHz Chrome, Elast Spr	3 dBi
	BB1323R	132 - 174 MHz Black, Elast Spr	3 dBi
B1442N	B1442NR	144 - 174 MHz Chrome, NGP, Elast Spr	2 dBi
	BB1442NR	144 - 174 MHz Black, NGP, Elast Spr	2 dBi
B1443	B1443R	144 - 174 MHz Chrome, Elast Spr	3 dBi
	BB1443R	144 - 174 MHz Black, Elast Spr	3 dBi
B4502N	B4502NR	450 - 470 MHz Chrome, NGP, Elast Spr	2 dBi
	BB4502NR	450 - 470 MHz Black, Elast Spr	2 dBi
B4503	B4503R	450 - 470 MHz Chrome, Elast Spr	3 dBi
	BB4503R	450 - 470 MHz Black, Elast Spr	3 dBi
B4505C	B4505CR	450 - 470 MHz Chrome, Elast Spr	5 dBi
	BB4505CR	450 - 470 MHz Black, Elast Spr	5 dBi
B4703	B4703R	470 - 490 MHz, Chrome, GP, 3 dBi	3 dBi
	BB4703R	470 - 490 MHz, Black, GP, 3 dBi	3 dBi
B4705C	B4705CR	470 - 490 MHz, Chrome, GP, 5 dBi	5 dBi
	BB4705CR	470 - 490 MHz, Black, GP, 5 dBi	5 dBi
B7603	B7603R	760 - 870 MHz Black, GP, Elast Spr	3 dBi
	BB7603R	760 - 870 MHz Chrome, GP, Elast Spr	3 dBi
B8065C	B8065CR	806 - 866 MHz Black, GP, Elast Spr	5 dBi
	BB8065CR	806 - 866 MHz Chrome, GP, Elast Spr	5 dBi
B8965C	B8965CR	896 - 970 MHz Chrome, Elast Spr	5 dBi
	BB8965CR	896 - 970 MHz Black, Elast Spr	5 dBi
B8965CN	B8965CNR	896 - 970 MHz Chrome, NGP, Elast Spr	5 dBi
	BB8965CNR	896 - 970 MHz Black, NGP, Elast Spr	5 dBi
Replacement Elastomer Springs	SRS-062-C-001	Replacement Rubber Spring, 0.062" Rod Diameter	
	SRS-100-C-001	Replacement Rubber Spring, 0.100" Rod Diameter	
	SRS-125-C-001	Replacement Rubber Spring, 0.125" Rod Diameter	
	SRS-MX-C-001	Replacement Rubber Spring, MX Connector	
	SRS-KR-C-001	Replacement Rubber Spring, KR Connector	

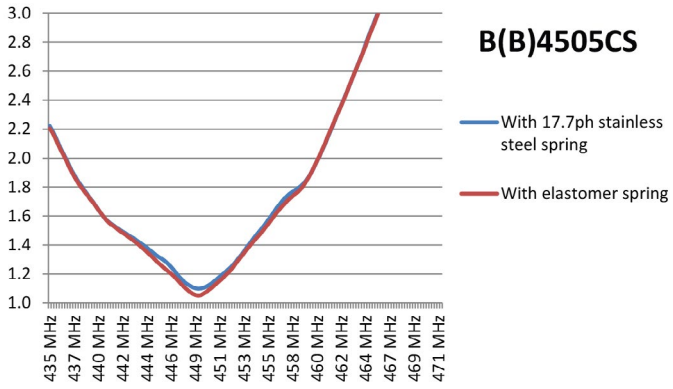
ENVIRONMENTAL SPECIFICATION	
Operating Temp	-45 to 85°C
Storage Temp	-45 to 85°C
Wind speed survivability	100 mph+
Cold	-45
Heat	85
Temperature Shock	N/A
Humidity	85% @ 85°C
Rain / Ingress	N/A (IP67 targeted spec/ standard)
Salt Fog	N/A
Flammability	N/A
Vibrations	N/A

DIMENSIONAL SPECIFICATION	
Height	65-85 mm Depends on Whip OD options
Base OD	22 mm
Installation Threads	5/16--24
Whip Diameter	0.100", 0.062" & 0.125" Options
Whip Lock	Dual Set Screw
Nut Size	23 mm hex

MATERIALS SPECIFICATION	
Body Material	EPDM Rubber
Ferrule Material	Chrome Plated Brass

VHF - STAINLESS STEEL VS. ELASTOMER SPRING





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