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# **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.

	MATION Antenna w/ Elastomer		
Base Antenna	Spring PN	Description	Gain
D122	B132R	132 - 525 MHz Tunable Chrome, Elast Spr	Unit
B132	BB132R	132 - 525 MHz Tunable Black, Elast Spr	Unit
B1322N -	B1322NR	132 - 174 MHz Chrome, NGP, Elast Spr	2 dB
B1322N	BB1322NR	132 - 174 MHz Black, Elast Spr	2 dB
B1323 -	B1323R	132 - 174 MHz Chrome, Elast Spr	3 dB
	BB1323R	132 - 174 MHz Black, Elast Spr	3 dB
B1442N -	B1442NR	144 - 174 MHz Chrome, NGP, Elast Spr	2 dB
	BB1442NR	144 - 174 MHz Black, NGP, Elast Spr	2 dE
D4.442	B1443R	144 - 174 MHz Chrome, Elast Spr	3 dB
B1443	BB1443R	144 - 174 MHz Black, Elast Spr	3 dE
B4502N -	B4502NR	450 - 470 MHz Chrome, NGP, Elast Spr	2 dE
B45UZIN	BB4502NR	450 - 470 MHz Black, Elast Spr	2 dE
4502	B4503R	450 - 470 MHz Chrome, Elast Spr	3 dE
34503	BB4503R	450 - 470 MHz Black, Elast Spr	3 dE
D.1505.0	B4505CR	450 - 470 MHz Chrome, Elast Spr	5 dE
B4505C	BB4505CR	450 - 470 MHz Black, Elast Spr	5 dE
B4703	B4703R	470 - 490 MHz, Chrome, GP, 3 dBi	3 dB
54703	BB4703R	470 - 490 MHz, Black, GP, 3 dBi	3 dE
D47050	B4705CR	470 - 490 MHz, Chrome, GP, 5 dBi	5 dB
B4705C	BB4705CR	470 - 490 MHz, Black, GP, 5 dBi	5 dE
P7603	B7603R	760 - 870 MHz Black, GP, Elast Spr	3 dB
B7603	BB7603R	760 - 870 MHz Chrome, GP, Elast Spr	3 dE
DOOCEC	B8065CR	806 - 866 MHz Black, GP, Elast Spr	5 dB
B8065C -	BB8065CR	806 - 866 MHz Chrome, GP, Elast Spr	5 dE
B8965C -	B8965CR	896 - 970 MHz Chrome, Elast Spr	5 dE
B8903C	BB8965CR	896 - 970 MHz Black, Elast Spr	5 dE
DS065CN	B8965CNR	896 - 970 MHz Chrome, NGP, Elast Spr	5 dE
B8965CN	BB8965CNR	896 - 970 MHz Black, NGP, Elast Spr	5 dB
Replacement	SRS-062-C-001	Replacement Rubber Spring, 0.062" Rod Dian	neter
Elastomer Springs	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	



# **Mobile Coil Antennas**

## **Elastomer Spring Packages**

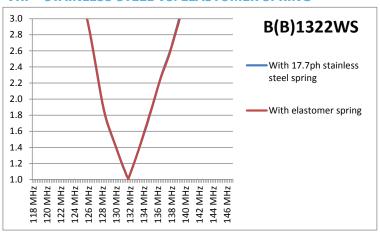
### **SPECIFICATIONS**

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

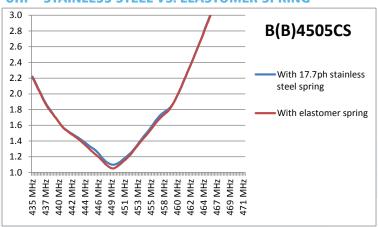
DIMENSIONAL	
Height	65-85 mm Depends on Whip OD options
Base OD	22 mm
Installation Threads	5/1624
Whip Diameter	0.100", 0.062" & 0.125" Options
Whip Lock	Dual Set Screw
Nut Size	23 mm hex

MATERIALS	
Body Material	EPDM Rubber
Ferrule Material	Chrome Plated Brass

#### **VHF - STAINLESS STEEL VS. ELASTOMER SPRING**



### **UHF - STAINLESS STEEL VS. ELASTOMER SPRING**



### ANT-DS-Elastomer-Spring-Packages 0316

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