

MODEL # BR-160
CUTTING CHART
(CUT WHIP FROM BOTTOM)

FREQUENCY MHz	WHIP LENGTH MM	WHIP LENGTH INCHES
144	1240	48 13/16
146	1200	47 1/4
148	1180	46 7/16
150	1165	45 7/8
152	1155	45 1/2
154	1135	44 11/16
156	1115	43 7/8
158	1097	43 3/16
160	1080	42 1/2
162	1060	41 3/4
164	1040	40 15/16
166	1020	40 3/16
168	1005	39 9/16
170	975	38 3/8
172	963	37 15/16
174	952	37 1/2

WHIP LENGTH WITH OPTIONAL # 1214 SPRING

FREQUENCY MHz	WHIP LENGTH MM	WHIP LENGTH INCHES
138	1240	48 13/16
140	1215	47 13/16
142	1190	46 7/8
144	1175	46 1/4
146	1143	45
148	1120	44 1/16
150	1102	43 3/8
152	1085	42 11/16
154	1070	42 1/8
156	1050	41 5/16
158	1025	40 3/8
160	1005	39 9/16
162	980	38 9/16
164	960	37 13/16
166	935	36 13/16
168	917	36 1/8
170	895	35 1/4
172	875	34 7/16
174	860	33 7/8

Tram-Browning, Inc.
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browning® NMO VHF Antennas

- Gold plunger type contact pin • Premium coil with metal base and top • 200 watts power rating
- Stainless steel tapered whip .100" (2.5mm) • Poly bag w/header card, UPC coded

NMO VHF 3 dBd Antennas

Model	Description	Frequency	Gain	Whip
BR-190 BR-190-S	5/8 wave w/spring	144-174 MHz	3 dBd	49" .100"(2.5mm)
BR-160 BR-160-S	5/8 wave w/spring	144-174 MHz	3 dBd	49" .100"(2.5mm)
BR-162	5/8 wave	200-260 MHz	3 dBd	37" .100"(2.5mm)

NMO No-Ground Plane 2.4 dBd Gain, 5 MHz Band Width

BR-165 BR-165-S	1/2 wave w/spring	132-174 MHz	2.4 dBd	49 7/16" .100"(2.5mm)
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NMO Wideband : 24 MHz VHF / 100 MHz UHF

BR-161	1/4 wave	132-970 MHz	Unity	19 3/4" .100"(2.5mm)
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NMO UHF Antennas

- Gold plunger type contact pin • Premium coil with metal base and top • 200 watts power rating
- Stainless steel tapered whip .100" (2.5mm) • Poly bag w/header card, UPC coded

Model	Description	Frequency	Gain	Height
BR-173	5/8 over 5/8 wave	450-470 MHz	5.5 dBd	35"
BR-173-A	5/8 over 5/8 wave	406-430 MHz	5.5 dBd	35"
BR-173-B	5/8 over 5/8 wave	430-450 MHz	5.5 dBd	35"
BR-173-D	5/8 over 5/8 wave	470-490 MHz	5.5 dBd	35"
BR-173-E	5/8 over 5/8 wave	490-512 MHz	5.5 dBd	35"
BR-173-S	w/spring	450-470 MHz	5.5 dBd	33 1/4"
BR-177	5/8 over 1/2 wave	445-470 MHz	4.5 dBd	31"
BR-174	5/8 wave	450-470 MHz	3 dBd	10 3/4"
BR-176-S	5/8 wave w/spring	450-470 MHz	3 dBd	13"

NMO No-Ground Plane - 20 MHz Band Width

BR-175	1/2 wave	430-490 MHz	2.4 dBd	11 1/2"
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NMO Amateur Dual Band Antenna

- Wide band • Pre Tuned • NMO mounting

BR-180	1/2 wave 5/8 over 5/8 wave	144-148 MHz 430-450 MHz	2.4 dBd 5.5 dBd	37 1/2"
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NMO 800-900 MHz Antenna

- Wideband • Pre Tuned • NMO mounting

BR-800	5/8 over 1/4 wave	800-900 MHz	3 dBd	11 1/2"
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NMO Low Band Antenna

- DC ground • Shunt fed base load • Can be used on magnet

Model	Description	Frequency	Gain	Whip
BR-140	1/4 wave	26.5-30 MHz	Unity	49" .100"(2.5mm)

