

MODEL # 8015-B-S CUTTING CHART

- Remove whip from adapter
- Measure from top of whip then cut from bottom
- Insert whip into whip adapter until it reaches the very bottom then tighten set screws (do not over tighten)

Tested 136-250 MHz with model 1258-UHF (PL-259) hole mount on trunk

Tested 380-500 MHz with model 1259-SMA (male) hole mount on trunk

Tram-Browning, Inc.
trambrowning.com
757 Enterprise Dr.
Edmond, OK 73013 USA

| Tuned Freq. MHz | Whip Length Inches | Whip Length MM | VSWR Tuned Freq. For most applications | Bandwidth VSWR<1.3:1 For most applications MHz | Bandwidth VSWR<1.5:1 For most applications MHz | Bandwidth VSWR<1.8:1 For most applications MHz |
|-----------------|--------------------|----------------|--|--|--|--|
| 136 | 19 9/16 | 497 | 1.07:1 | 127.94 - 140.73 | 125.77 - 144.31 | 123.61 - 151.47 |
| 138 | 19 9/32 | 490 | 1.05:1 | 132.79 - 142.84 | 127.23 - 148.14 | 124.92 - 153.10 |
| 140 | 18 15/16 | 481 | 1.05:1 | 135.17 - 146.43 | 129.83 - 151.52 | 126.42 - 154.57 |
| 142 | 18 19/32 | 472 | 1.01:1 | 137.21 - 150.12 | 134.81 - 153.44 | 127.93 - 155.99 |
| 144 | 18 11/32 | 466 | 1.02:1 | 138.48 - 152.23 | 136.23 - 154.48 | 130.27 - 157.17 |
| 146 | 18 1/8 | 460 | 1.01:1 | 139.93 - 153.56 | 137.46 - 155.46 | 134.22 - 158.40 |
| 148 | 18 | 457 | 1.01:1 | 141.00 - 154.18 | 138.41 - 156.26 | 135.20 - 159.37 |
| 150 | 17 13/16 | 452 | 1.04:1 | 142.23 - 155.13 | 139.30 - 157.25 | 136.06 - 162.30 |
| 152 | 17 11/16 | 449 | 1.03:1 | 143.66 - 155.91 | 140.64 - 158.09 | 137.16 - 164.51 |
| 154 | 17 3/8 | 441 | 1.01:1 | 147.32 - 157.69 | 143.29 - 160.48 | 139.52 - 167.86 |
| 156 | 17 | 432 | 1.03:1 | 151.86 - 159.83 | 146.67 - 165.36 | 142.05 - 171.10 |
| 158 | 16 5/8 | 422 | 1.07:1 | 154.46 - 164.61 | 152.03 - 169.08 | 145.35 - 173.79 |
| 160 | 16 5/16 | 414 | 1.09:1 | 156.23 - 168.00 | 154.32 - 172.01 | 149.70 - 176.26 |
| 162 | 16 3/32 | 409 | 1.10:1 | 157.65 - 170.49 | 155.61 - 173.75 | 152.86 - 178.72 |

| Tuned Freq. MHz | Whip Length Inches | Whip Length MM | VSWR Tuned Freq. For most applications | Bandwidth VSWR<1.3:1 For most applications MHz | Bandwidth VSWR<1.5:1 For most applications MHz | Bandwidth VSWR<1.8:1 For most applications MHz | Tuned Freq. MHz | Whip Length Inches | Whip Length MM | VSWR Tuned Freq. For most applications | Bandwidth VSWR<1.3:1 For most applications MHz | Bandwidth VSWR<1.5:1 For most applications MHz | Bandwidth VSWR<1.8:1 For most applications MHz |
|-----------------|--------------------|----------------|--|--|--|--|-----------------|--------------------|----------------|--|--|--|--|
| 164 | 15 29/32 | 404 | 1.12:1 | 158.27 - 171.49 | 156.19 - 174.50 | 153.57 - 180.09 | 400 | 5 3/4 | 146 | 1.04:1 | 379.39 - 420.53 | 363.14 - 437.96 | 345.49 - 472.37 |
| 168 | 15 21/32 | 398 | 1.06:1 | 160.02 - 173.55 | 157.80 - 176.78 | 155.21 - 185.81 | 410 | 5 1/2 | 140 | 1.15:1 | 393.97 - 437.74 | 379.43 - 457.61 | 361.97 - 477.30 |
| 172 | 15 3/16 | 386 | 1.06:1 | 166.74 - 178.27 | 161.98 - 184.44 | 158.48 - 191.72 | 420 | 5 11/32 | 136 | 1.09:1 | 398.72 - 440.94 | 383.11 - 472.46 | 365.24 - 498.69 |
| | | | | | | | 430 | 5 3/16 | 132 | 1.11:1 | 413.16 - 458.20 | 396.80 - 475.70 | 379.74 - 512.32 |
| 200 | 12 13/16 | 325 | 1.06:1 | 193.79 - 211.35 | 190.83 - 214.21 | 182.30 - 228.50 | 440 | 4 29/32 | 125 | 1.07:1 | 419.86 - 465.50 | 402.88 - 498.26 | 394.80 - 533.82 |
| 210 | 12 13/32 | 315 | 1.01:1 | 197.74 - 214.67 | 194.51 - 226.94 | 190.43 - 232.16 | 450 | 4 3/4 | 121 | 1.21:1 | 433.24 - 477.76 | 417.64 - 512.16 | 399.20 - 550.52 |
| 220 | 11 15/32 | 291 | 1.08:1 | 212.89 - 233.34 | 210.46 - 246.14 | 200.21 - 251.12 | 460 | 4 21/32 | 118 | 1.15:1 | 436.80 - 496.33 | 420.42 - 517.53 | 401.54 - 552.25 |
| 230 | 11 1/18 | 283 | 1.02:1 | 216.43 - 245.79 | 213.47 - 249.58 | 210.02 - 266.14 | 475 | 4 17/32 | 115 | 1.13:1 | 452.52 - 500.90 | 432.80 - 533.20 | 414.98 - 554.66 |
| 240 | 10 5/8 | 270 | 1.12:1 | 229.66 - 251.32 | 225.34 - 265.94 | 214.43 - 270.73 | 490 | 4 13/32 | 112 | 1.15:1 | 469.38 - 515.18 | 437.18 - 550.38 | 419.04 - 576.56 |
| 250 | 10 3/16 | 259 | 1.05:1 | 236.60 - 266.96 | 231.60 - 270.60 | 218.98 - 286.14 | 500 | 4 9/32 | 109 | 1.14:1 | 472.86 - 533.54 | 454.18 - 552.74 | 431.94 - 630.67 |
| 380 | 6 1/16 | 154 | 1.04:1 | 361.57 - 402.05 | 345.62 - 419.73 | 339.29 - 439.23 | | | | | | | |
| 390 | 5 29/32 | 150 | 1.15:1 | 374.49 - 417.19 | 360.17 - 435.06 | 342.82 - 457.37 | | | | | | | |