

# 15–20 Element Yagi Antenna

Metric Fabrication Sheet

ALL DIMENSIONS IN MILLIMETERS (mm)

Tolerance:  $\pm 1$  mm

## Boom Vertical Spacing (Center-to-Center)

Top Reflector → 10 Reflector	1219 mm
10 Reflector → Driven Element	1905 mm
Driven Element → 10 Director	1854 mm
10 Director → 15 Director	1207 mm
15 Director → 10–20 Director	1003 mm

## 15–20 Reflector

R1 Center Section	2426 mm
R2 Sections	902 / 851 / 826 mm
R3 Sections	1054 / 1016 / 1003 mm

## 10 Reflector

R2-1 Center	1397 mm
R2-2 Intermediate	597 mm
R2-3 Outer	927 / 927 / 876 mm

## Driven Element

DE1 Center	1232 mm
DE2 Sections	1003 / 953 / 889 mm
DE3/DE4 Tips	819 / 826 / 813 mm
Matching Sections	152 / 140 / 127 mm

## 10 Director

D1 Center	1346 mm
D2 Outer	1156 / 1130 / 1105 mm

## 15 Director

D2-1 Center	1397 mm
D2-2 Intermediate	597 mm
D2-3 Outer	1232 / 1156 / 1080 mm

## 10–20 Director (Front)

D3-1 Center	1219 mm
D3-2 Sections	737 / 699 / 686 mm
D3-3 Outer	1842 / 1842 / 1867 mm

Install traps with drain holes facing downward.  
Verify center alignment before drilling boom.