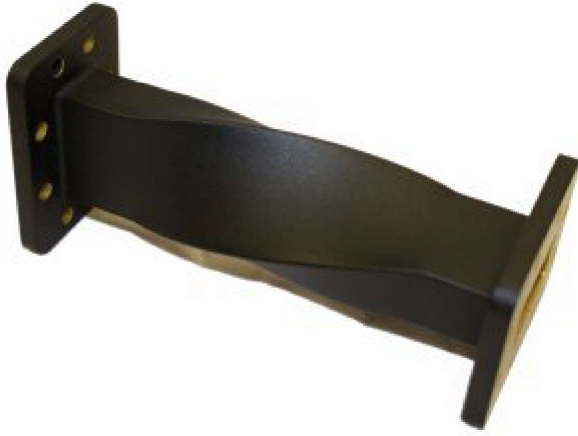


# Waveguide Twists



## Waveguide Twists Description

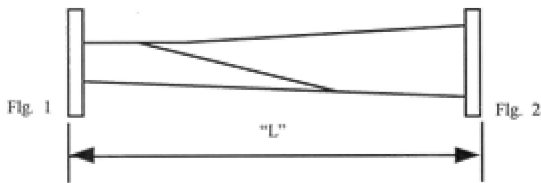
- 1.70 - 40.00 GHz Performance Frequency
- (VSWR varies with design)
- Minimum length noted in chart & custom lengths available
- Numerous Flange Configurations available
- Aluminum (6061) or Copper Waveguide Available

All parts are painted flat black and flanges are polished, unplated and iridited. Additional finish are available upon request.

### WAVEGUIDE FLANGES:

<b>A</b> = AMC QUICK DISCONNECT (MALE) PATENT PROTECTED
<b>B</b> = AMC QUICK DISCONNECT (FEMALE) PATENT PROTECTED
<b>C</b> = MODIFIED CPR STYLE - GROOVE ONLY, NO CONTACTS (ALL CLEAR HOLES)
<b>D</b> = MODIFIED CPR STYLE - GROOVE ONLY, NO CONTACTS (ALL TAP HOLES)
<b>E</b> = CPR STYLE FLAT (ALL TAP HOLES)
<b>F</b> = CPR STYLE FLAT (CLEAR HOLES)
<b>G</b> = CPR STYLE CONTACT GROOVED (CLEAR HOLES)
<b>H</b> = CPR STYLE CONTACT GROOVED (ALL TAP HOLES)
<b>I</b> = CMR (CLEAR HOLES)
<b>J</b> = CMR (ALT/ TAP,/CLEAR HOLES)

- K = CMR (ALL TAP HOLES)**
- L = UG COVER (CLEAR HOLES)**
- M = UG COVER (ALL TAP HOLES)**
- N = UG COVER GROOVED (ALL CLEAR HOLES)**
- O = UG CHOKE (CLEAR HOLES)**
- P = UG CHOKE (ALL TAP HOLES)**
- Q = UG COVER GROOVED (ALL TAP HOLES)**
- R = UBR**
- S = PBR**
- T = CBR**
- U = UDR**
- V = PDR**
- W = CDR**
- X = SPECIAL FLANGES (CUSTOMER TO SPECIFY)**



<b>WR SIZE.</b>	<b>FREQUENCY GHZ</b>	<b>MIN. LENGTH DIM."L"</b>
<b>28</b>	<b>26.5 - 40.0</b>	<b>2</b>
<b>34</b>	<b>18.0 - 26.5</b>	<b>2.25</b>
<b>51</b>	<b>15.0 - 22.0</b>	<b>2.25</b>
<b>62</b>	<b>12.4 - 18.0</b>	<b>2.5</b>
<b>75</b>	<b>10.0 - 15.0</b>	<b>3</b>
<b>90</b>	<b>8.20 - 12.4</b>	<b>3</b>
<b>102</b>	<b>7.00 - 11.0</b>	<b>3.5</b>
<b>112</b>	<b>7.05 - 10.0</b>	<b>3.5</b>
<b>137</b>	<b>5.85 - 8.20</b>	<b>4</b>
<b>159</b>	<b>4.90 - 7.05</b>	<b>5</b>
<b>187</b>	<b>3.95 - 5.85</b>	<b>6</b>
<b>229</b>	<b>3.30 - 4.90</b>	<b>7.5</b>
<b>284</b>	<b>2.60 - 3.95</b>	<b>8.5</b>

430

1.70 - 2.60

16

**SAMPLE P/N: AMC-TW-45Y-75-N/N-12-B**

<b>MODEL NO:</b>	<b>ANGLE TW=90 Specify Angle</b>	<b>DIRECTION Y=Clockwise Z=Counter-Clockwise</b>	<b>W/G SIZE</b>	<b>FLANGE TYPE</b>	<b>LENGTH</b>	<b>MATERIAL A=Aluminum B=Brass</b>
<b>AMC-TW</b>	<b>45</b>	<b>Y</b>	<b>75</b>	<b>N/N</b>	<b>12</b>	<b>B</b>

The above referenced part number describes the following item: WR 75 45 degree CW, twist section, both flanges are cover groove flanges, made of brass material. The overall length is 12 inches from flange face to flange face.

