

90° E and H Bends - Standard Models - Rectangular Waveguide

GENERAL SPECIFICATIONS

Electrical

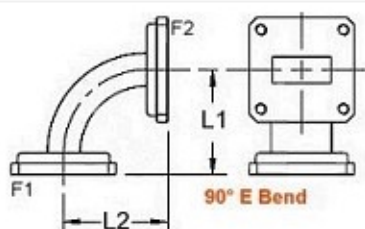
VSWR: 1.05 Typ., 1.08 Max.

Mechanical

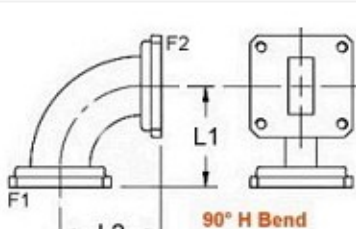
Body: Aluminum/Copper-Brass (per order)

Flanges: Multiple types available - see ATM Std. Flanges

Finish: Unique corrosion resistant 316 stainless steel epoxy coating IAW MIL-F-14072



90 degree E Bend For Rectangular Waveguide - Diagram



90 degree H Bend For Rectangular Waveguide - Diagram



90 degree E-Bend Rectangular Waveguide



90 degree H-Bend Rectangular Waveguide

WG Size	Freq. (GHz)	90 Degree E Bend Standard Model No*	90 Degree H Bend Standard Model No*
WR650	1.00 - 1.70	650-500A-10x10-2-2	650-510A-12x12-2-2
WR430	1.70 - 2.60	430-500A-8x8-2-2	430-510A-10x10-2-2
WR340	2.20 - 3.30	340-500A-8x8-2-2	340-510A-10x10-2-2
WR284	2.60 - 3.95	284-500A-6x6-6-6	284-510A-6x6-6-6
WR229	3.30 - 4.90	229-500B-4x4-2-2	229-510B-4x4-2-2
WR187	3.95 - 5.85	187-500A-3x3-6-6	187-510A-3x3-6-6
WR159	4.90 - 7.05	159-500B-2.5x2.5-2-2	159-510B-2.5x2.5-2-2
WR137	5.85 - 8.20	137-500B-2.5x2.5-2-2	137-510B-2.5x2.5-2-2
WR112	7.05 - 10.0	112-500B-2x2-6-6	112-510B-2x2-6-6
WR102	7.00 - 11.0	102-500A-2x2-6-6	102-510A-2x2-6-6
WR90	8.20 - 12.4	90-500A-2x2-6-6	90-510A-2x2-6-6
WR75	10.0 - 15.0	75-500B-1.75x1.75-6-6	75-510B-1.75x1.75-6-6
WR62	12.4 - 18.0	62-500B-1.75x1.75-6-6	62-510B-1.75x1.75-6-6
WR51	15.0 - 22.0	51-500B-1.5x1.5-6-6	51-510B-1.5x1.5-6-6
WR42	18.0 - 26.5	42-500B-1x1-6-6	42-510B-1x1-6-6
WR34	22.0 - 33.0	34-500B-1x1-6-6	34-510B-1x1-6-6
WR28	26.5 - 40.0	28-500B-1x1-6-6	28-510B-1x1-6-6

Ordering Information Rectangular Waveguide 90° E and H Bends

Example part number:

WR -Mod M -L1xL2 -F1 -F2
340 -500 A -8x8 -6 -6

* The Standard Model Numbers above are the most common parts ordered for size, material and flange. However, these models can easily be altered for your needs by using the Model # code system to the left.

* Legs (L1 and L2) available in other sizes. Consult factory for more information

Waveguide Size: (WR)
WR28 thru WR650 available

Basic Model No.: (-Mod)
500=90° E-Bend, 510=90° H-Bend

Material (M): A=Aluminum, B=Copper/Brass

Length 1 x Length 2 (-L1xL2)*

Flange 1 (-F1): 1=CPRG, 2=CPRF, 6=Cover, 7=Choke

Flange 2 (-F2): 1=CPRG, 2=CPRF, 6=Cover, 7=Choke
See ATM Standard Flange page for more info.