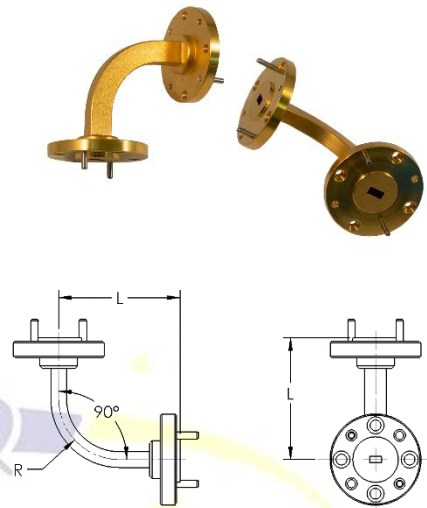


90° Waveguide Bends

Summary:

E-Plane and H-plane Bends facilitate construction of waveguide assemblies by providing a means of accurate directional changes in the waveguide line. All units are precisely bent to the desired angle while maintaining a constant cross section to minimize energy reflection. Bends are available in WR3 to WR42 sizes and angled 90°. In addition to the models listed, Bends with different radii, angles, lengths, & flanges can be supplied on special order. WR3 and WR4 bends are made from coinsilver, WR5 and up are made from copper. Electroformed bends below WR3 are also available upon request.



Ordering Example:

EB28S-90 is an E-Plane Bend in WR-28 waveguide with Square flanges bent at 90 degrees.

Part Name	RF Specifications				Mechanical Specifications			
	WR	Frequency (GHz)	Max VSWR	A DIM (in)	B DIM (in)	Length (in)	Radius (in)	Flange
EB42S-90	42	18 - 26.5	1.02:1	0.4200	0.1700	1.80	1.30	S 0.875
EB28S-90	28	26.5 - 40	1.02:1	0.2800	0.1400	1.50	1.00	S 0.750
EB22R-90	22	33 - 50	1.02:1	0.2240	0.1120	1.40	0.90	R 1.125
EB19R-90	19	40 - 60	1.02:1	0.1880	0.0940	1.30	0.80	R 1.125
EB15R-90	15	50 - 75	1.03:1	0.1480	0.0740	1.20	0.70	R 0.750
EB12R-90	12	60 - 90	1.03:1	0.1220	0.0610	1.10	0.60	R 0.750
EB10R-90	10	75 - 110	1.03:1	0.1000	0.0500	1.00	0.50	R 0.750
EB8R-90	8	90 - 140	1.03:1	0.0800	0.0400	1.00	0.50	R 0.750
EB6R-90	6	110 - 175	1.04:1	0.0650	0.0325	1.00	0.50	R 0.750
EB5R-90	5	140 - 220	1.04:1	0.0510	0.0255	0.80	0.40	R 0.750
EB4R-90	4	170 - 260	1.04:1	0.0430	0.0215	0.80	0.40	R 0.750
EB3R-90	3	220 - 325	1.04:1	0.0340	0.0170	0.80	0.40	R 0.750
HB42S-90	42	18 - 26.5	1.02:1	0.4200	0.1700	1.80	1.30	S 0.875
HB28S-90	28	26.5 - 40	1.02:1	0.2800	0.1400	1.50	1.00	S 0.750
HB22R-90	22	33 - 50	1.02:1	0.2240	0.1120	1.40	0.90	R 1.125
HB19R-90	19	40 - 60	1.02:1	0.1880	0.0940	1.30	0.80	R 1.125
HB15R-90	15	50 - 75	1.03:1	0.1480	0.0740	1.20	0.70	R 0.750
HB12R-90	12	60 - 90	1.03:1	0.1220	0.0610	1.10	0.60	R 0.750
HB10R-90	10	75 - 110	1.03:1	0.1000	0.0500	1.00	0.50	R 0.750
HB8R-90	8	90 - 140	1.03:1	0.0800	0.0400	1.00	0.50	R 0.750
HB6R-90	6	110 - 175	1.04:1	0.0650	0.0325	1.00	0.50	R 0.750
HB5R-90	5	140 - 220	1.04:1	0.0510	0.0255	0.80	0.40	R 0.750
HB4R-90	4	170 - 260	1.04:1	0.0430	0.0215	0.80	0.40	R 0.750
HB3R-90	3	220 - 325	1.04:1	0.0340	0.0170	0.80	0.40	R 0.750

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