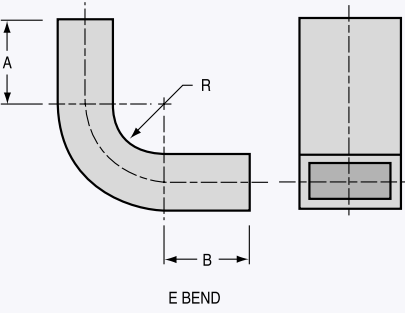
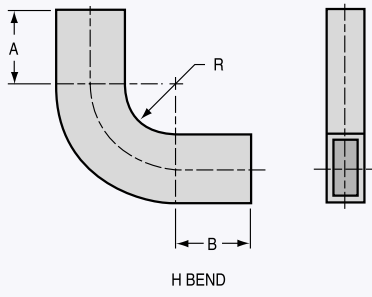
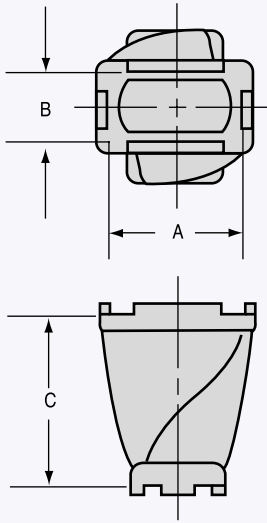


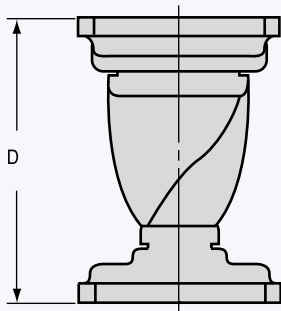
FORMED BENDS



WAVEGUIDE TWISTS



TWISTS WITH FLANGES



Formed Bends

W/G Size Freq GHz	W/G Size O.D. Inches	E Bend Throat Radius (R)	H Bend Throat Radius (R)
3.95 to 5.85		1.00	1.00
		1.93	1.25
		3.00	1.50
		4.00	2.00
		4.50	3.25
WR-284 2.60 to 3.95	3.000 x 1.500	5.00	4.00
		2.25	3.00
		3.75	6.00

Notes: When ordering Formed Bands, specify inside radius dimensions as listed. Any degree of angular change can be produced with no change to a given radius. Straight or tangent dimensions (A and B) must be specified. Minimum value of (A and B) to be .50 inches. Anything under .50 inches MDL will not guarantee that the wall thickness will be uniform.

Waveguide Twist

MDL complements its broad line of cast components with a new high performance cast twist. A full 90° right hand waveguide twist is provided in a minimal length (approximately 3/4 of wavelength at mid-band). A graded effect in the broadwall design produces very low reflections. VSWR is 1.05 max for casting, and 1.10 for twists and flanges. Power handling capacity is approximately 90% of standard waveguide rating.

W/G Size	Freq. GHz	Model Number	Dimensions		
			A	B	C
WR42	18.00-26.50	42TW12	.502	.252	.625
WR51	15.00-22.00	51TW12	.592	.337	.750
WR62	12.40-18.00	62TW12	.704	.393	.875
WR75	10.00-15.00	75TW12	.852	.477	1.000
WR90	8.20-12.40	90TW12	1.002	.502	1.250
WR102	7.00-11.0	102TW12	1.150	.640	1.375
WR112	7.05-10.00	112TW12	1.252	.627	1.437
WR137	5.85-8.20	137TW12	1.503	.753	1.750
WR187	3.95-5.85	187TW12	2.004	1.004	2.500
WR284	2.60-3.95	284TW12	3.004	1.504	4.000

Twist with Flanges

W/G Size	Freq GHz	Model Number	Dimensions (D)
WR42	18.00-26.50	42TW18	1.30
WR51	15.00-22.00	51TW18	1.52
WR62	12.40-18.00	62TW18	1.75
WR75	10.00-15.00	75TW18	2.10
WR90	8.20-12.40	90TW18	2.30
WR102	7.00-11.00	102TW18	2.60
WR112	7.05-10.00	112TW18	2.90
WR137	5.85-8.20	137TW18	3.50
WR187	3.95-5.85	187TW18	4.60
WR284	2.60-3.95	284TW18	7.50