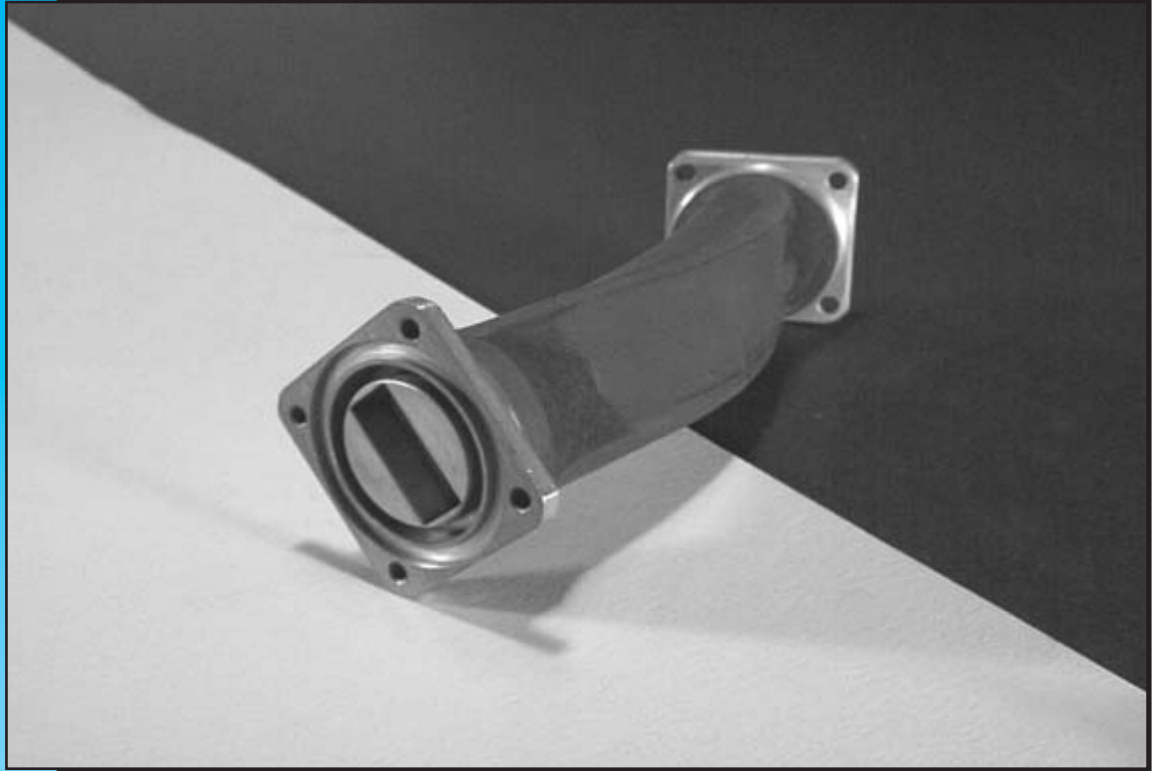


FLEXIBLE TWISTABLE WAVEGUIDE



PENN ENGINEERING offers a wide variety of Twistable Flexible waveguide in many different sizes and configurations. These sections flex on the E and H planes as well as twist without impairing VSWR or attenuation. Standard Flex sections are silver plated brass with brass flanges and are available with or without neoprene/vinyl jacket. Twistable flex sections do not hold pressure without jacket.

Aluminum flanges are also available.

We will quote you on your custom Flex sections.

PENN ENGINEERING COMPONENTS

12750 RAYMER ST.
N. HOLLYWOOD
CALIFORNIA 91605

(818) 503-1511

FAX (818) 764-0195

www.pennengineering.com

Ordering Information - To order use the following example:

Model 4742-11B12N.....is a WR-90 Twistable Flex section 12" long w/ Neoprene Jacket and brass cover flanges



ALLOY: A=ALUMINUM B=BRASS

FLANGE: 1=COVER 2=CHOKE 3=CMR 4=CPRG 5=CPRF

JACKET: N= NEOPRENE V= VINYL

FLEXIBLE TWISTABLE WAVEGUIDE SPECIFICATIONS

MODEL NO.	EIA WR SIZE	FREQ. RANGE GHz	*VSWR	**ATTEN.	Bend Radii to Centerline				Power (Watts)	Peak Power (KW)
					With Jacket (in inches)		Without Jacket (in inches)			
					E-Plane	H-Plane	E-Plane	H-Plane		
4728	22	33.0-50.0	1.35	1.200	.75	1.13	.44	.94	25	12
4730	28	26.5-40.0	1.30	0.600	.75	1.13	.44	.94	75	20
4734	42	18.0-26.5	1.20	0.350	.88	1.25	.57	.88	100	39
4736	51	15.0-22.0	1.21	0.210	.90	1.40	.63	1.0	300	70
4738	62	12.4-18.0	1.12	0.200	1.00	1.88	.69	1.25	400	100
4740	75	10.0-15.0	1.12	0.150	1.13	2.25	.63	1.25	750	140
4742	90	8.20-12.4	1.10	0.100	1.75	2.50	1.25	1.50	1,000	180
4744	102	7.00-11.0	1.10	0.090	2.00	2.88	1.30	1.94	1,500	300
4746	112	7.05-10.0	1.10	0.080	2.25	3.25	1.40	1.82	1,500	315
4748	137	5.85-8.20	1.09	0.070	2.38	3.38	1.50	2.07	2,000	500
4750	159	4.90-7.05	1.09	0.060	4.00	6.00	1.60	2.25	2,500	1,100
4752	187	3.95-5.85	1.09	0.050	4.38	6.50	1.94	3.00	3,000	1,250
4754	229	3.30-4.90	1.07	0.023	6.50	8.00	2.13	3.25	4,000	1,550
4756	284	2.60-3.95	1.09	0.018	7.00	9.50	2.94	5.50	4,000	2,000
4760	430	1.70-2.60	1.07	0.010	12.0	25.0	4.82	6.63	10,000	4,700
4764	650	1.12-1.70	1.06	0.005	20.0	40.0	14.0	28.0	10,000	10,700

*VSWR is per 2 Ft. Section

**Attenuation is dB per Ft.

Mechanical Specifications are approximate for Flexible Twistable Waveguide.