

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

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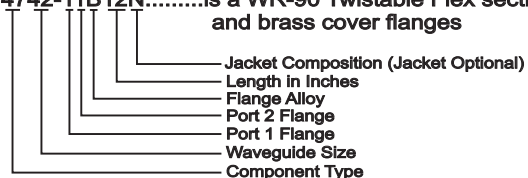
(818) 503-1511

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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.