

Rectangular Waveguide Straight Sections



Rectangular Waveguide Straight Sections could be ordered for any length up to 144 inches. Short straight sections may also be used as flange adaptors.

M1240 – Waveguide Straight Sections

Part No.	Waveguide Size	Minimum LENGTH (in.)
M1240-01	284	3
M1240-02	229	3
M1240-03	187	3
M1240-04	159	3
M1240-05	137	3
M1240-06	112	2
M1240-07	90	2
M1240-08	75	2
M1240-09	62	1
M1240-10	51	1
M1240-11	42	1
M1240-13	28	1

ORDERING EXAMPLE

PART NO.	LENGTH (INCHES)	FLANGE
M1240-06	144	01-02

PART NUMBER – M1240-06-144-01-02 specifies a straight rectangular WR112 waveguide section having a length of 144 inches with a CPR-G and a CPR-F cover flanges. Unless otherwise specified, material will be copper & painted black.

Refer page30 for flange code.

Rectangular waveguide twist sections can be defined by the size of the waveguide, types of flanges, desired length (subject to the minimum specified in the table), desired amount of twist (0° to 90°) and direction of twist (right or left) from flange A to B.

M1246 – Waveguide Twist Sections

Part No.	Waveguide Size	Minimum LENGTH (in.)
M1246-01	284	9.25
M1246-02	229	8.00
M1246-03	187	7.00
M1246-04	159	6.00
M1246-05	137	4.50
M1246-06	112	3.75
M1246-07	90	2.75
M1246-08	75	2.25
M1246-09	62	2.00
M1246-10	51	1.50
M1246-11	42	1.25
M1246-13	28	1.00

ORDERING EXAMPLE

PART NO.	DIRECTION & ANGLE	LENGTH (INCHES)	FLANGE
M1246-06	R90	8	06-07

PART NUMBER – M1246-06-R90-8-06-07 specifies a rectangular waveguide WR112, right 90° twist, 8 inches long, with flange UG cover and UG choke. Unless otherwise specified, material will be copper & painted black.

Refer page30 for flange code.

Waveguide Bend Assemblies

M1699 - 90° CAST BENDS (INDOOR USE)				M1245 - 90° SWEEP BEND (OUTDOOR USE)			
Part No.	W/G Size	Min. Length		Part No.	W/G Size	Min. Length	
		E Bend	H Bend			E Bend	H Bend
M1699-01	284	3.75	3.25	M1245-01	284	6.00	9.00
M1699-02	229	3.25	2.75	M1245-02	229	4.00	8.00
M1699-03	187	2.75	2.25	M1245-03	187	4.00	7.00
M1699-04	159	2.75	2.25	M1245-04	159	4.00	5.00
M1699-05	137	2.25	2.00	M1245-05	137	3.00	4.00
M1699-06	112	2.00	1.75	M1245-06	112	3.00	3.00
M1699-07	90	1.75	1.25	M1245-07	90	1.25	1.75
M1699-08	75	1.50	1.37	M1245-08	75	0.75	1.00
M1699-09	62	1.37	1.25	M1245-09	62	0.75	1.00
M1699-10	51	1.25	1.12	M1245-10	51	0.75	1.00
M1699-11	42	1.00	1.00	M1245-11	42	0.75	1.00
M1699-13	28	1.00	1.00	M1245-13	28	0.50	0.75

Note: All dimensions are in inches. Unless otherwise specified, material will be copper & painted black.

ORDERING INFORMATION

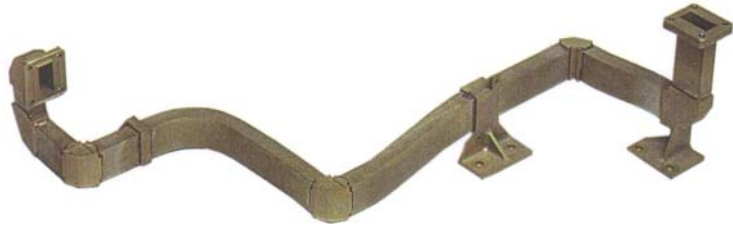
1. Specify model Number.
2. Specify 'E' or 'H' Bend (90°).
3. Specify A and B lengths in inches.
4. Specify flange code (see last page).
5. Specify frequency range.

ORDERING EXAMPLE

PART NO.	BEND TYPE	A DIM	B DIM	FLANGE
M1699-05	E90	10	12.5	04-05

PART NUMBER – M1699-5-E90-10-12.5-04-05

Refer page30 for flange code.



All information contained in the present data sheet is subject to confirmation at time of ordering. Print Date: 29/05/2009

Waveguide