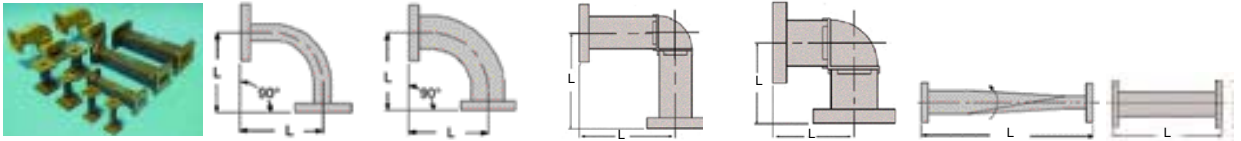


WAVEGUIDE ASSEMBLIES: STRAIGHT SECTIONS, BENDS, MITERS AND TWISTS

Bends of 30, 45, 60, 90 degrees available
Mitered Bends available for tight bend requirements
90 Degree Twists Clockwise are standard.
Other Angles and Counter Clockwise Twists are available.

Rectangular Waveguide sizes include WR22 through WR650
Double Ridge Waveguide sizes are: WRD750, WRD650,
WRD580, WRD475, WRD180, WRD110

*Model Numbers are constructed as follows:
WR#-Model#-Length, Inches-Material-Flange-Flange
Example: 90° E BEND: 284-510A-8x8-6-6
Material Code: A - Aluminum, C - Copper
Flange Code: 1=CPRG, 2=CPRF, 6=Cover, 7=Choke
For Double Ridge: C3=Cover, G3=Grooved



WG Size	Freq GHz	90 Degree E Bend	90 Degree H Bend	90 Degree E Miter Bend	90 Degree H Miter Bend	90 Degree Twist	Straight Sections
WR650	1.00 - 1.70	650-500A-10x10-2-2	650-510A-12x12-2-2	650-520A-4x4-2-2	650-530A-5x5-2-2	650-340A-24-2-2	650-120A-12-2-2
WR430	1.70 - 2.60	430-500A-8x8-2-2	430-510A-10x10-2-2	430-520A-3x3-2-2	430-530A-4x4-2-2	430-340A-16-2-2	430-120A-12-2-2
WR340	2.20 - 3.30	340-500A-8x8-2-2	340-510A-10x10-2-2	N/A	N/A	340-340A-15-2-2	340-120A-12-2-2
WR284	2.60 - 3.95	284-500A-6x6-6-6	284-510A-6x6-6-6	284-520A-4x4-6-6	284-530A-3.75x3.75-6-6	284-340A-12-6-6	284-120A-10-6-6
WR229	3.30 - 4.90	229-500B-4x4-2-2	229-510B-4x4-2-2	229-520B-3x3-2-2	229-530B-2.21x2.21-2-2	229-340B-12-2-2	229-120B-6-2-2
WR187	3.95 - 5.85	187-500A-3x3-6-6	187-510A-3x3-6-6	187-520A-3x3-6-6	187-530A-1.87x1.87-6-6	187-340A-8-6-6	187-120A-6-6-6
WR159	4.09 - 7.05	159-500B-2.5x2.5-2-2	159-510B-2.5x2.5-2-2	159-520B-3x3-2-2	159-530B-1.75x1.75-2-2	159-340B-6-2-2	159-120B-6-2-2
WR137	5.85 - 8.20	137-500B-2.5x2.5-2-2	137-510B-2.5x2.5-2-2	137-520B-3x3-2-2	137-530B-1.82x1.82-2-2	137-340B-6-2-2	137-120B-6-2-2
WR112	7.05 - 10.0	112-500B-2x2-6-6	112-510B-2x2-6-6	112-520B-2x2-6-6	112-530B-1.6x1.6-6-6	112-340B-6-6-6	112-120B-6-6-6
WR102	7.00 - 11.0	102-500A-2x2-6-6	102-510A-2x2-6-6	102-520A-2x2-6-6	102-530A-1.47x1.47-6-6	102-340A-6-6-6	102-120A-6-6-6
WR90	8.20 - 12.4	90-500A-2x2-6-6	90-510A-2x2-6-6	90-520A-2x2-6-6	90-530A-1.34x1.34-6-6	90-340A-5-6-6	90-120A-6-6-6
WR75	10.0 - 15.0	75-500B-1.75x1.75-6-6	75-510B-1.75x1.75-6-6	75-520B-2x2-6-6	75-530B-1.16x1.16-6-6	75-340B-4-6-6	75-120B-6-6-6
WR62	12.4 - 18.0	62-500B-1.75x1.75-6-6	62-510B-1.75x1.75-6-6	62-520B-1.5x1.5-6-6	62-530B-.88x.88-6-6	62-340B-4-6-6	62-120B-6-6-6
WR51	15.0 - 22.0	51-500B-1.5x1.5-6-6	51-510B-1.5x1.5-6-6	51-520B-1.5x1.5-6-6	51-530B-.95x.95-6-6	51-340B-4-6-6	51-120B-6-6-6
WR42	18.0 - 26.5	42-500B-1x1-6-6	42-510B-1x1-6-6	42-520B-1x1-6-6	42-530B-.77x.77-6-6	42-340B-3-6-6	42-120B-3-6-6
WR34	22.0 - 33.0	34-500B-1x1-6-6	34-510B-1x1-6-6	N/A	N/A	34-340B-3-6-6	34-120B-3-6-6
WR28	26.5 - 40.0	28-500B-1x1-6-6	28-510B-1x1-6-6	28-520B-1x1-6-6	28-530B-.77x.77-6-6	28-340B-3-6-6	28-120B-3-6-6

FLEXIBLE WAVEGUIDE

Standard lengths are 1, 2, & 3 feet
Neoprene Rubber Jacket is standard
on Flexible-Twistable Waveguide
Flexible Non-Twistable Waveguide
is supplied without jacket



Rectangular Waveguide Flex

WG Size	Freq (GHz)	Flex-Twist* w/ Jacket	Flexible* No Jacket
WR 284	2.60 - 3.95	284-125-L-6-7	284-124-L-6-7
WR 229	3.30 - 4.90	229-125-L-1-1	229-124-L-1-1
WR 187	3.95 - 5.85	187-125-L-6-7	187-124-L-6-7
WR 159	4.90 - 7.05	159-125-L-1-1	159-124-L-1-1
WR 137	5.85 - 8.20	137-125-L-1-1	137-124-L-1-1
WR 112	7.05 - 10.0	112-125-L-6-7	112-124-L-6-7
WR 90	8.20 - 12.4	90-125-L-6-7	90-124-L-6-7
WR 75	10.0 - 15.0	75-125-L-6-7	75-124-L-6-7
WR 62	12.4 - 18.0	62-125-L-6-7	62-124-L-6-7
WR 51	15.0 - 22.0	51-125-L-6-7	51-124-L-6-7
WR 42	18.0 - 26.5	42-125-L-6-7	42-124-L-6-7
WR 28	26.5 - 40.0	28-125-L-6-7	28-124-L-6-7

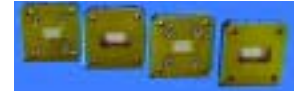
Double Ridge Waveguide Flex

WRD 750	7.50 - 18.0	750-124-L-6-6
WRD 475	4.75 - 11.0	475-124-L-6-6

Flange Code: 1=CPRG; 6=Cover; 7=Choke
*Replace L in above P/Ns with required length.
Example: 112-125-Length Inches-Flange-Flange

WAVEGUIDE WINDOWS

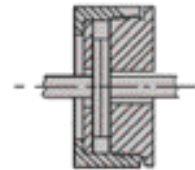
Teflon Fiberglass
Copper Perimeters-Plated
MIL Environment



WG Size (GHz)	Freq (max)	VSWR (KW-PK)	Power No.	Model
WR 284	2.60 - 3.95	1.06	2000	284-230-
WR 229	3.30 - 4.90	1.07	1800	229-230-
WR 187	3.95 - 5.85	1.06	1500	187-230-
WR 159	4.90 - 7.05	1.05	1000	159-230-
WR 137	5.85 - 8.20	1.07	750	137-230-
WR 112	7.05 - 10.0	1.10	500	112-230-
WR 90	8.20 - 12.4	1.10	300	90-230-
WR 75	10.0 - 15.0	1.09	200	75-230-
WR 62	12.4 - 18.0	1.08	150	62-230-
WR 51	15.0 - 22.0	1.10	100	51-230-
WR 42	18.0 - 26.5	1.12	75	42-230-
WR 34	22.0 - 33.0	1.13	60	34-230-
WR 28	26.5 - 40.0	1.18	45	28-230-

WAVEGUIDE QUICK DISCONNECT

Fast Waveguide Connection
Easy Installation
Connects Waveguide by several turns
of a threaded ring
Connects and Disconnects Waveguide
without use of screws and nuts



WG Size (WR)	Flanges Type	Model No.
137	CPR	QD-137
112	COVER/CHOKE	QD-112
90	COVER/CHOKE	QD-90
75	COVER/CHOKE	QD-75
42	COVER	QD-42
28	COVER	QD-28
(WRD)		
580	COVER	QD-580

