



For a wide variety of Microwave Components

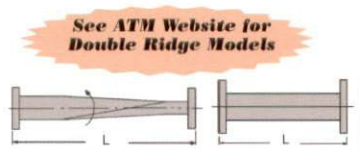
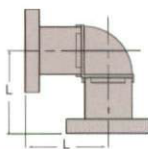
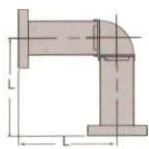
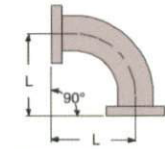
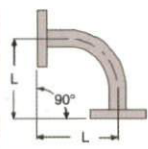


WAVEGUIDE ASSEMBLIES: STRAIGHT SECTIONS, BENDS, MITERS AND TWISTS

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.

*Model Numbers are constructed as follows:
 WR#-Model#&Material-Length, Inches(Meters)-Flange-Flange
Example: 90° E BEND: 284-510A-8x8-6-6
 Material Code: A - Aluminum, B-Brass, C - Copper
 Flange Code: See tables below

See ATM Website for Add'l Waveguide Items



See ATM Website for Double Ridge Models

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-3.75x3.75-6-6	284-530A-4x4-6-6	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-2.21x2.21-2-2	229-530B-3X3-2-2	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-1.87x1.87-6-6	187-530A-3X3-6-6	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-1.75x1.75-2-2	159-530B-3X3-2-2	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-1.82x1.82-2-2	137-530B-3X3-2-2	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-1.6x1.6-6-6	112-530B-2x2-6-6	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-1.47x1.47-6-6	102-530A-2x2-6-6	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-1.34x1.34-6-6	90-530A-2x2-6-6	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-1.16x1.16-6-6	75-530B-2x2-6-6	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-.88x.88-6-6	62-530B-1x1-6-6	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-.95x.95-6-6	51-530B-1x1-6-6	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-.77x.77-6-6	42-530B-1x1-6-6	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	34-520B-.77x.77-6-6	34-530B-1x1-6-6	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-.77x.77-6-6	28-530B-1x1-6-6	28-340B-3-6-6	28-120B-3-6-6
WR22	33.0-50.0	22-500B-1x1-6-6	22-510B-1x1-6-6	N/A	N/A	22-340B-3-6-6	22-120B-3-6-6

DOUBLE RIDGE W/G*

WRD Size	Freq GHz	Material	Material	Material	Material	Material	Material
WRD250	2.6 - 7.8	N/A	N/A	250-520-4x4-C3-C3	250-530-4x4-C3-C3	250-340-L-C3-C3	250-120-L-C3-C3
WRD350	3.5 - 8.2	N/A	N/A	350-520-3x3-C3-C3	350-530-3x3-C3-C3	350-340-L-C3-C3	350-120-L-C3-C3
WRD475	4.75 - 11.0	N/A	N/A	475-520-2.5x2.5-C3-C3	475-530-2.5x2.5-C3-C3	475-340-L-C3-C3	475-120-L-C3-C3
WRD580	5.8 - 16.0	N/A	N/A	580-520-2x2-C3-C3	580-530-2x2-C3-C3	580-340-L-C3-C3	580-120-L-C3-C3
WRD650	6.5 - 18.0	N/A	N/A	650-520-2x2-C3-C3	650-530-2x2-C3-C3	650-340-L-C3-C3	650-120-L-C3-C3
WRD750	7.5 - 18.0	N/A	N/A	750-520-2x2-C3-C3	750-530-2x2-C3-C3	750-340-L-C3-C3	750-120-L-C3-C3
WRD180	18-18.0	N/A	N/A	180-520-1x1-C3-C3	180-530-1x1-C3-C3	180-340-L-C3-C3	180-120-L-C3-C3

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 34	22.0 - 33.0	34-125-L-6-7	34-124-L-6-7
WR 28	26.5 - 40.0	28-125-L-6-7	28-124-L-6-7

Double Ridge W/G*

WRD Size	Freq GHz	Material	Material
WRD 350	3.5-8.2	N/A	350-124-L-C3-C3
WRD 475	4.75 - 11.0	N/A	475-124-L-C3-C3
WRD 580	5.8 - 16.0	N/A	580-124-L-C3-C3
WRD 650	5.8 - 18.0	N/A	650-124-L-C3-C3
WRD 750	7.5 - 18.0	N/A	750-124-L-C3-C3

*L- Replace L with Length in Inches (or CM)

ARMORED FLEXIBLE WAVEGUIDE High Power, Non - Twistable Waveguide encased in Armor Jacket

- High - Power applications
- Armor Jacket
- Crush Resistant
- Kink Resistent



WG Size	Freq (GHz)	IL (dB/ft)	Power Avg	Max Pres. Peak	Flex Non- Twist with ARMOR Jacket Model No.*
WR90	8.20 - 12.4	0.11	2.2	150	90-126-(L)-6-6
WR75	10.0 - 15	0.15	2.1	125	75-126-(L)-6-6
WR62	12.4 - 18	0.16	1.3	100	62-126-(L)-6-6
WR51	15.0 - 22	0.2	1	75	51-126-(L)-6-6
WR42	18.0 - 26.5	0.25	0.6	35	42-126-(L)-6-6
WR34	22.0 - 33.0	0.3	0.5	20	34-126-(L)-6-6
WR28	26.5 - 40	0.35	0.5	20	28-126-(L)-6-6

ATM DOUBLE RIDGE FLANGE DESIGNATION & TYPE

Designation	Type	Holes
-C1	COVER	Alternate Tap/Thru
-C2		All Tapped
-C3		All Thru
-G1	GROOVE	Alternate Tap/Thru
-G2		All Tapped
-G3		All Thru

ATM RECTANGULAR FLANGE DESIGNATION & TYPE

Designation	Type
-1	CPRG
-2	CPRF
-3	CMR STANDARD
-4	CMR CLEAR (All Thru Holes)
-5	CMR TAP (All Tapped Holes)
-6	UG - Cover
-7	UG - Choke
-8	UG Cover/Groove
-9	PDR
-10	UDR