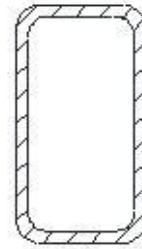
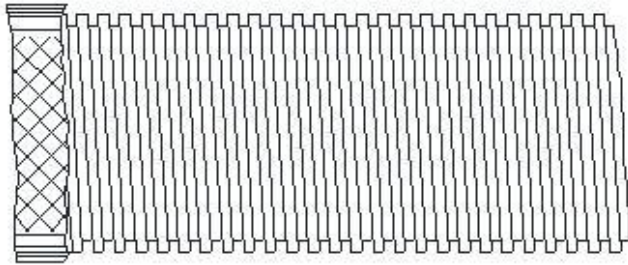


## ***Flexible Twistable Waveguide***

Dolphmicrowave manufactures a quality line of flexible-twistable waveguides, specially designed to meet all of your requirements. The flex-twist waveguide is made from a helically wound waveguide core and additional mechanical support is offered from a variety of protective jackets.

The Flexible Waveguide is parts of Feeder line, compared with the rigid waveguide, The Flexible Waveguide not only reduces the difficulty of connection, but also keep connection accuracy. The Rectangular Flexible Waveguide has E bend and H bend function including twisted function.



● **Specifications**

ELECTRICAL SPECIFICATIONS													
Waveguide Designation			Freq.Range (GHz)	Insertion Loss(dB/m)	Suggested Power Limit		Return Loss (dB)						
					Peak(MW)	Average(KW)	300mm	600mm	900mm	1000mm	1200mm	1500mm	1800mm
R48	WR187	WG12	3.94-5.99	0.16	1.4	3	31	28.8	28.3	28.3	26.4	23.1	21.7
R58	WR159	WG13	4.64-7.05	0.18	0.6	2.5	31	28.3	27.8	27.8	26.4	23.1	21.7
R70	WR137	WG14	5.38-8.17	0.25	0.56	2	30.2	27.8	27.3	27.3	26.4	23.1	21.7
R84	WR112	WG15	6.57-9.99	0.3	0.33	1.5	30.2	27.3	27.1	27.1	26.4	23.1	21.7
R100	WR90	WG16	8.20-12.5	0.4	0.22	1	30.2	27.1	27	27	25.2	22.1	19.7
R120	WR75	WG17	9.84-15	0.5	0.18	0.75	29.4	27	26.4	26.4	24	20.93	19.7
R140	WR62	WG18	11.9-18	0.65	0.12	0.4	29.4	26.4	26	26	24	20.93	19.7
R220	WR42	WG20	17.7-26.5	1.2	0.045	0.1	23	22.1	21.1	21.1	-	-	-
R320	WR28	WG22	26.5-40	2	0.022	0.075	21	20.8	20.8	20.8	-	-	-
R400	WR22	WG23	33-50	2.5	-	-	20	16.5	15.6	16	-	-	-

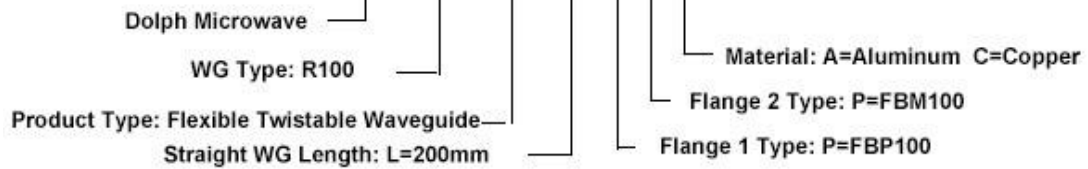
MECHANICAL SPECIFICATIONS									
Waveguide Designation			Max Twist(Deg/m)		Min E-Bending Radii(mm)		Min H-Bending Radii(mm)		
			Static	Repeated	Static	Repeated	Static	Repeated	
R48	WR187	WG12	155	40	136	544	272	1088	
R58	WR159	WG13	185	45	116	464	232	928	
R70	WR137	WG14	210	52	100	400	200	800	
R84	WR112	WG15	260	68	82	328	164	656	
R100	WR90	WG16	315	76	66	264	132	528	
R120	WR75	WG17	365	92	54	216	108	432	
R140	WR62	WG18	445	112	46	184	92	368	
R220	WR42	WG20	630	157	30	120	60	240	
R320	WR28	WG22	920	230	20	80	40	160	
R400	WR22	WG23	920	230	18	78	38	158	

\*The Standard Model Numbers above are the most common parts ordered for size, material and flange. However, these models can easily be altered to accommodate your needs by using the Model # code system below for complete part number.

\*\* Please refer to the Technical Reference section for flange types/connectors details. Please contact us for your specific requirements.

● **Ordering Information**

**Example Part No: DH- 100 WEL 200 P M C**



▪ Flange type: Multiple types available - see Dolph Microwave Flanges page.