

Large rotary joints; radar / continuous rotating / multichannel

Designation	Type	Application	Frequency GHz	Waveguide / Coax	Waveguide Channels	Coaxial Channels	Slipping
4	IFF	L-band Multichannel	1.0-1.12	Coax	N/A	3	N
31	IFF	L-band Multichannel	1.0-1.12	Coax	N/A	3	N
40	IFF	L-band Multichannel	1.0-1.12	Coax	N/A	3	N
44	IFF	L-band Multichannel	1.0-1.12	Coax	N/A	3	N
8	IFF	L-band Multichannel	1.0-1.51	Coax	N/A	3	N
56	IFF	Mobile land based Radar	1.0-3.1	Coax	N/A	7	Y +OPTICAL
58	IFF	Mobile land based Radar	1.0-3.1	Coax	N/A	6	Y +OPTICAL
5	S-band	Naval S-band & IFF Radar	2.7-3.1	WR284	1	7	Y
6	S-band	S-band Multichannel	2.7-3.1	WR284	1	5	N
7	S-band	S-band Multichannel	2.7-3.1	WR284	1	3	N
19	S-band	ATC S-band Radar	2.7-3.1	WR284	1	1	Y
20	S-band	ATC S-band Radar	2.7-3.1	WR284	1	2	Y
21	S-band	ATC S-band Radar	2.7-3.1	WR284	1	4	Y
22	S-band	ATC S-band Radar	2.7-3.1	WR284	1	5	Y
33	S-band	S & L Band multi channel	2.7-3.1	WR284	1	2	N
36	S-band	Mobile land based Radar	2.7-3.1	WR284	1	6	Y
42	S-band	S & L Band multi channel	2.7-3.1	WR284	1	4	Y
43	S-band	ATC S-band Radar	2.7-3.1	WR284	1	4	N
45	S-band	S & L Band multi channel	2.7-3.1	WR284	1	5	Y
46	S-band	S & L Band multi channel	2.7-3.1	WR248	1	6	Y
48	S-band	Naval S-band & IFF Radar	2.7-3.1	WR284	1	8	Y
50	S-band	ATC S-band Radar	2.7-3.1	WR284	1	1	N
52	S-band	ATC S-band Radar	2.7-3.1	WR248	1	2	N
53	S-band	ATC S-band Radar	2.7-3.1	WR284	1	1	N
54	S-band	ATC S-band Radar	2.7-3.1	WR284	1		N
55	S-band	Naval S-band & IFF Radar	2.7-3.1	WR284	1	7	Y
57	S-band	Naval S-band & IFF Radar	2.7-3.1	WR284	1	3	Y +OPTICAL
28	C-band		4.95-5.9	WR187	1		N
13	C/X-band	Naval With IFF	5.4-5.9 8.5-9.6	WR137 & WR90	2	2	N
35	C/X-band	Naval With IFF	5.4-5.9 8.5-9.6	WR137 & WR90	2	2	Y
11	X-band	X & L band Dualchannel	8.6 – 9.5	WR112	1	1	N
10	X-band	Helicopter Radar	9-9.5	WR90	1	2	Y
18	X-band	Helicopter Radar	9-9.5	WR90	1		Y
72	Ku-band	Satcom	14-14.5	WR75	1		N

Typical large rotary joint

