



Waveguide Specifications and MIL Specifications Cross Reference

WAVEGUIDE				WAVEGUIDE SPECIFICATIONS								FLANGE SPECIFICATIONS											
E.I.A EQUIV.	RG () / U	MIL-W-85/1 DASH NO.	MATERIAL	FREQ.RANGE GHz	INSIDE DEIMENSION	TOL +/- STD	OUTSIDE DIMENSION	MAX PRESS (PSIG)	NOMINAL WALL THICKNESS	EST WT. PER FOOT	COVER FLANGE		CHOKE FLANGE		CONTACT FLANGE		NON-PRESS CONTACT		PRESSURIZED CONTACT FLANGE				
											AN TYPE	M3922/ XX-XXX	AN TYPE	M3922/ XX-XXX	AN TYPE	M3922/ XX-XXX	AN-CMR FLANGE	M3922/ XX-XXX	GROOVED	M3922/ XX-XXX	FLAT FACE	M3922/ XX-XXX	
WR-2300	N/A	N/A	6061 Al	.32-.49	23.000X 11.500	0.015	23.38X 11.87	0.25	0.188	N/A	N/A	N/A	N/A	N/A	N/A	CPRF	N/A	N/A	N/A	CPRG	N/A	N/A	N/A
WR-2100	N/A	N/A	6061 Al	.35-.53	21.000X 10.500	0.015	21.37X 10.87	0.25	0.188	N/A	N/A	N/A	N/A	N/A	N/A	CPRF	N/A	N/A	N/A	CPRG	N/A	N/A	N/A
WR-1800	201	N/A	6061 Al	.41-.62	18.000X 9.000	0.015	18.37X 9.37	0.25	0.188	N/A	N/A	N/A	N/A	N/A	N/A	CPRF	N/A	N/A	N/A	CPRG	N/A	N/A	N/A
WR-1500	202	N/A	6061 Al	.49-.75	15.000X 7.500	0.010	15.37X 7.87	0.25	0.188	N/A	N/A	N/A	N/A	N/A	N/A	CPRF	N/A	N/A	N/A	CPRG	N/A	N/A	N/A
WR-1150	203	N/A	6061 Al	.64-.96	11.500X 5.750	0.010	15.37X 6.12	0.25	0.188	N/A	N/A	N/A	N/A	N/A	N/A	CPRF	N/A	N/A	N/A	CPRG	N/A	N/A	N/A
WR-975	204	N/A	6061 Al	.75-1.12	9.750X 4.875	0.010	10.00X 5.12	0.50	0.125	N/A	N/A	N/A	N/A	N/A	N/A	CPRF	N/A	N/A	N/A	CPRG	N/A	N/A	N/A
WR-770	205	N/A	6061 Al	.96-1.46 .96-1.45	7.700X 3.850	0.010	7.95X 4.10	1.00	0.125	N/A	N/A	N/A	N/A	N/A	N/A	CPRF	N/A	N/A	N/A	CPRG	N/A	N/A	N/A
WR-650	103	018 019	1100 Al 6061 Al	1.12-1.70	6.500X 3.250	0.010	6.66X 3.41 6.68X 3.50	1.50	0.080 0.125	1.902	N/A	N/A	N/A	N/A	UG418/U	58-008	N/A	N/A	UG1343/U	52-024	UG1720/U	52-002	
WR-510	337	021 023	Copper Bronze	1.45-2.20	5.100X 2.550	0.005	5.26X 2.71	2.00	0.080	4.848 4.798	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	UG1718/U	52-025	UG1715/U	52-003	
	338	025 026	1100Al 6061 Al							1.462									UG1719/U	52-026	UG1717/U	52-004	
WR-430	104	027 031	Copper Bronze	1.70-2.60	4.300X 2.150	0.008	4.46X 2.31	3.00	0.080	4.103 4.061	N/A	N/A	N/A	N/A	UG435A/U	58-009	N/A	58C-009	UG1344/U	52-027	UG1716/U	52-005	
	105	029 030	1100Al 6061 Al							1.237					UG437A/U	58-010			UG1345/U	52-028	UG1711/U	52-006	
WR-340	112	033 037	Copper Bronze	2.10-3.00	3.400X 1.700	0.005	3.56X 1.86	N/A	0.080	3.650 3.231	N/A	N/A	N/A	N/A	UG583/U	58-011	N/A	58C-011	UG1346/U	52-029	UG1712/U	52-007	
	113	035 036	1100Al 6061 Al							0.98					UG554/U	58-112			UG1347/U	52-030	UG1713/U	52-008	
WR-284	75	041 042	1100Al 6061 Al	2.60-3.95	2.840X 1.340	0.005	3.00X 1.50	N/A	0.080	0.812	UG584/U	56-002	UG585A/U	61-001	N/A	N/A	UG1484/U	64-002	UG1349/U	52-032	UG1725/U	52-010	
	48	039 043	Copper Bronze							2.694 2.666	UG 53/U	56-001	UG54B/U	61-002	UG 65/U UG 66/U		UG1479/U	64-001	UG1348/U	52-031	UG1724/U	52-009	
WR-229	340	045 049	Copper Bronze	3.30-4.90	2.290X 1.145	0.005	2.42X 1.27	N/A	0.064	1.769 1.751	N/A	N/A	N/A	N/A	N/A	N/A	N/A	CMR229	N/A	UG1350/U	52-033	UG1726/U	52-011
	341	047 048	1100Al 6061 Al							5.335								UG1351/U	52-034	UG1727/U	52-012		
WR-187	49	051 055	Copper Bronze	3.95-5.85	1.872X 0.872	0.005	2.00X 1.00	N/A	0.064	1.426 1.411	UG149A/U	57-002	UG148C/U	62-002	N/A	N/A	UG1475/U	63-001	UG1352/U	52-035	UG1728/U	52-013	
	95	053 054	1100Al 6061 Al							0.43	UG407/U	57-001	UG406B/U	62-001			UG1480/U	63-005	UG1353/U	52-036	UG1729/U	52-014	
WR-159	343	057 061	Copper Bronze	4.90-7.05	1.590X 0.795	0.004	1.72X 0.92	N/A	0.064	1.248 1.235	N/A	N/A	N/A	N/A	N/A	N/A	N/A	CMR159	N/A	UG1354/U	52-037	UG1730/U	52-015
	344	059 060	1100Al 6061 Al							0.376								UG1355/U	52-038	UG1731/U	52-016		
WR-137	50	063 067	Copper Bronze	5.85-8.20	1.372X 0.622	0.004	1.50X 0.75	N/A	0.064	1.053 1.043	UG344/U	55-001	UG343B/U	60-001	UG150/U	N/A	UG1476/U	63-002	UG1357/U	52-039	UG1732/U	52-017	
	106	065 066	1100Al 6061 Al							0.317	UG441/U	55-002	UG440B/U	60-002			UG1481/U	63-006	UG1357/U	52-040	UG1733/U	52-018	
WR-112	51	069 073	Copper Bronze	7.05-10.00	1.122X 0.497	0.004	1.25X 0.63	N/A	0.064	0.867 0.858	UG 51/U	53-002	UG52B/U	59-007	N/A	N/A	UG1447/U	63-003	UG1358/U	52-041	UG1734/U	52-019	
	68	071 072	1100Al 6061 Al							0.26	UG138/U	53-004	UG137B/U	59-009			UG1482/U	63-007	UG1359/U	52-042	UG1735/U	52-020	
WR-102	320	155 158	Bronze 6061 Al	7.00-11.00	1.020X 0.510	0.005	1.15X 0.64	N/A	0.064	0.81 0.248	UG1493/U	70-001	UG1494/U	69-001	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
WR-90	67	077 078	1100Al 6061 Al	8.20-12.40	0.900X 0.400	0.003	1.00X 0.50	N/A	0.050	16.38	UG135/U	53-003	UG136B/U	59-008	N/A	N/A	UG1483/U	63-008	UG1361/U	52-044	UG1737/U	52-022	
	52	075 079	Copper Bronze							0.543 0.537	UG 39/U	53-001	UG40B/U	59-006			UG1478/U	63-004	UG1360/U	52-043	UG1736/U	52-021	
WR-75	346	081 085	Copper Bronze	10.00-15.00	0.750 X 0.375	N/A	0.85X 0.48	N/A	0.050	0.475 0.470	WR 75	70-004	WR-75	59-010	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	347	083 084	1100Al 6061 Al			0.143				70-005		59-011											
WR-62	91	087 089	Copper Bronze	12.40-18.00	0.622X 0.311	0.002	0.702X 0.39	N/A	0.040	0.314 0.311	UG419/U	53-005	UG541A/U	59-001	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	349	090 091	1100Al 6061 Al							0.095	UG1665/U	53-006	UG1666/U	59-002									
	107	093	Coin Silver							4.5 oz.	UG419/U	53-005	UG541A/U	59-001									