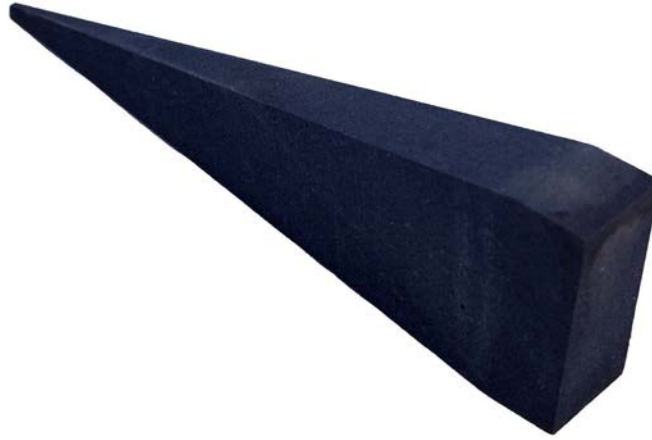


WL-XXXX

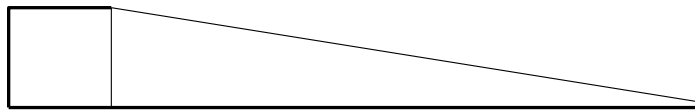
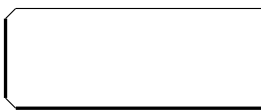
Wedge Loads



Thorndike Wedge loads come in both low and high power versions. They are typically used for semi-precision applications and higher power applications where the heat generated can be removed through the waveguide walls. These loads typically cover full waveguide bandwidths with an estimated VSWR of 1.10:1 or better. Performance at the very low end of waveguide bands may deteriorate slightly for shorter length wedge loads.

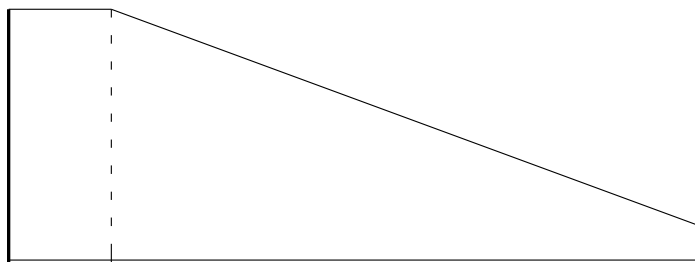
Thorndike manufactures Wedge loads ranging in frequency from 1 – 50 GHz, covering waveguide sizes from WR-650 to WR-22.

Typical power levels of Wedge loads range from 50 to 500 watts depending on the waveguide size, length of wedge and cooling system employed by user.



DARK LINES SHOW AREAS
OF THERMAL CONDUCTION
TO WAVEGUIDE WALLS

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WL-XXXX Wedge Load – Low Power

WR-	P/N	FREQ	VSWR	LENGTH
284	WL0300HH	2.6 -3.95	1.02	10.50
187	WL0550	3.95-5.85	1.20	3.15
187	WL0525	3.95-5.85	1.06	5.50
137	WL0702	5.85-8.20	1.02	8.50
90	WL1100M	8.2-12.4	1.10	4.00
90	WL1100MHH	8.2-12.4	1.10	4.00
75	WL1303	10.0-15.0	1.07	6.00
62	WL1415	12.4 -18.0	1.10	1.90
62	WL1450	13-18.00	1.10	1.10
42	WL1618	18 - 26.5	1.10	2.50
42	WL1615	18-26.5	1.10	.90
34	WL1673	22-33	1.10	1.25
34	WL1670	22-33	1.10	2.10
28	WL1679	32.1- 33.1	1.05	0.60
28	WL28-100	26.5-40	1.05	2.50
28	WL1681	28-40	1.10	1.00
28	WL1680	35-40	1.12	.400
28	WL1678	26.5-40.0	1.10	1.00
28	WL1676	33-40	1.10	.750
28	WL1675	30.0-40.0	1.20	0.375
22	WL1760	34-38	1.25	.39
22	WL1750	35-50	1.05	.800
19	WL1900	40 -60	1.10	0.90
10	WL10	75 -110	1.15	0.50



680 North Bedford Street, East Bridgewater, MA 02333
 Telephone: (800) 590-3367; (508) 378-9797; Fax: (508) 378-1529

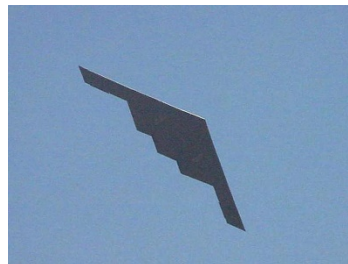
WL-XXXX Wedge Load – High Power

WR-	P/N	FREQ	VSWR	LENGTH
650	WL0030	1.2 - 1.7	1.15	12.00
650	WL0032	1.2-1.7	1.15	14.5
650	WL0070	1.12-1.7	1.10	12.00
650	WL0060	1.12-1.7	1.10	12.25
650	WL0035	1.2 - 1.7	1.15	12.00
650	WL0050	SPECIAL	1.10	12.25
430	WL0100	1.7-2.6	1.10	9.50
430	WL0100HH	1.75-2.60	1.15	6.00
430	WL0125	1.7 - 2.6	1.10	11.0
430	WL0022HPC	1.75 - 2.15	1.20	5.00
430	WL0160	2.0 - 2.6	1.10	6.0
430	WL0150	1.7 - 2.6	1.10	11.0
340	WL0250	2.2-3.3	1.10	11.00
340	WL0200	2.2-3.3	1.10	10.00
340	WL0275	2.2 - 3.3	1.10	10.0
284	WL0350	3.1-3.95	1.15	5.50
284	WL0305	2.6-3.95	1.09	8.00
284	WL0300	2.8 3.95	1.10	7.00
284	WL0325	2.9 - 3.1	1.10	4.00
229	WL0400	3.3-4.90	1.10	7.00
187	WL0518	3.95 - 5.85	1.15	3.50
187	WL0500	3.95-5.85	1.10	6.75
187	WL0510	3.95-5.85	1.07	7.80
187	WL0550HH	4.3-5.85	1.10	6.00
187	WL0512	4.8 -5.85	1.05	9.00
159	WL0600M	4.9-7.05	1.10	6.00
159	WL0600	4.90-7.05	1.10	5.63
137	WL0700M	5.85-8.20	1.10	6.00
137	WL0703	6.8-8.2	1.10	2.36
137	WL0700	5.85-8.20	1.10	4.50
137	WL0701	5.40-7.4	1.10	4.15
137	WL0703	5.7-6.8	1.15	2.36
137	WL0704	6.7 - 8.2	1.15	2.20
112	WL0900	7.05-10.00	1.10	2.50
112	WL0900-2	7.05-10.0	1.10	2.75
112	WL0800	7.05-10.00	1.08	4.50
112	WL0903	7.1-10.00	1.05	3.00
102	WL1000	7.0-11.00	1.10	5.50
90	WL1100	8.20-12.40	1.10	4.00
90	WL1200	9.10-12.40	1.07	2.10
90	WL1200-01	8.2-12.4	1.20	2.25
90	WL1250	8.2-12.40	1.20	1.81

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WL-XXXX Wedge Load – High Power

WR-	P/N	FREQ	VSWR	LENGTH
90	WL1152	9.0-12.0	1.20	1.40
90	WL1225	9.0-12.4	1.20	1.24
75	WL1300	10.0-15.00	1.10	2.50
75	WL1325	10.0 - 15.0	1.12	3.25
75	WL1301	12.75 - 15.0	1.10	2.00
62	WL1402	12.4 -18	1.10	1.00
62	WL1400	12.4-18.00	1.10	2.75
51	WL1556	17.7 - 21.2	1.10	2.25
51	WL1550	14.4 -20	1.08	2.25
51	WL1500	15.0-22.00	1.10	2.25
51	WL1555	15-22	1.10	1.50
42	WL1622	20 -26	1.10	1.40
42	WL1602	18-26	1.10	0.96
42	WL1621	18-26.5	1.10	0.90
42	WL1620	18-26.5	1.10	1.50
42	WL1616	18-26.5	1.07	2.50
42	WL1610	20-25	1.20	.400
42	WL1600	18.0-26.50	1.10	2.25
42	WL1613	17 -24	1.08	0.90
34	WL1672	22 - 33	1.07	2.40
34	WL1657	22 - 33	1.05	2.80
34	WL1671	22-33	1.10	0.80
34	WL1674	22-33	1.10	1.5
28	WL28HPC	32-37	1.10	1.00
28	WL1669	27 - 40	1.10	0.69
28	WL1651	26.5 - 40	1.15	1.50
28	WL1677	26.5-40	1.15	.450
28	WL1650	26.5-40.0	1.15	2.00
28	WL1668	29 -40	1.20	0.78
28	WL1625	26.5-40.0	1.10	3.00
22	WL1750HPC	37-45	1.10	0.80
22	WL1700	33.0-50.00	1.10	2.00
19	WL1925HPC	46 - 60	1.10	0.405"
19	WL1900HPC	40 - 60	1.15	1.10"
15	WL15	50.75	1.10	0.75



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