

DTW-XXXX

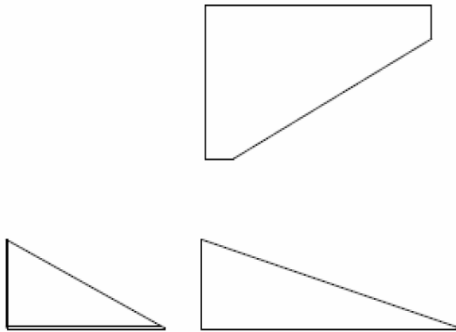
Two Piece Compound Spear Loads



Thorndike spear loads come in a variety of shapes for various applications. These are both low and high power versions of each of these parts however most applications include some type of medium to high power requirement. 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 estimated VSWR values of 1.10:1 or better, depending on the part chosen. Performance at the very low end of waveguide bands may deteriorate slightly for shorter length parts. For specific electrical requirements, we suggest ordering the parts tested to performance.

Thorndike manufactures T Piece Tapered spear loads ranging in frequency from 1 – 50 GHz. covering waveguide sizes from WR-650 to WR-22.

Typical power levels of Spear loads range from 50 to 600 watts depending on the waveguide size, and cooling system employed by user.



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Waveguide	Part Number	Frequency	VSWR	Length
284	DTW100	2.60-3.95	1.1	5.130
187	DTW200	3.95-5.85	1.1	3.380
137	DTW300	5.85-8.20	1.1	3.250
112	DTW400	7.05-10.0	1.1	2.990
90	DTW500	8.20-12.4	1.1	1.630
75	DTW600	10.0-15.0	1.1	1.380
62	DTW700	12.4-18.0	1.1	1.00