

# Basic Single Stub Tuner

GERLING

**Model GA1023**  
**Model GA1024**  
**Model GA1025**

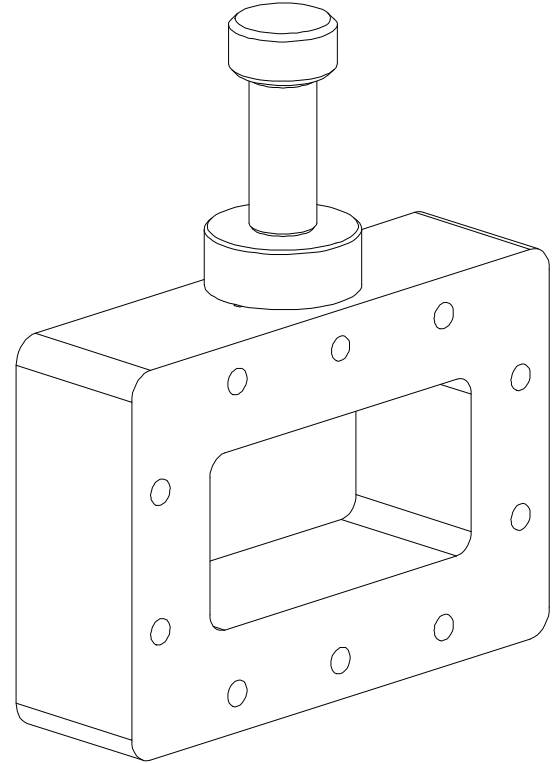
GAE's family of Basic Stub Tuners provide an economical means for load impedance matching in high power microwave heating systems. Their simple yet rugged design makes these tuners ideal for a variety of production and OEM applications.

The Basic models have threaded stub mounts and spring-loaded nuts which maintain secure thread engagement at all times, enabling stub adjustment during microwave power operation. These are intended mainly for low-Q applications or where adjustments are infrequent. For high-Q applications or where impedance matching adjustments are frequent we recommend our Precision series of waveguide stub tuners.

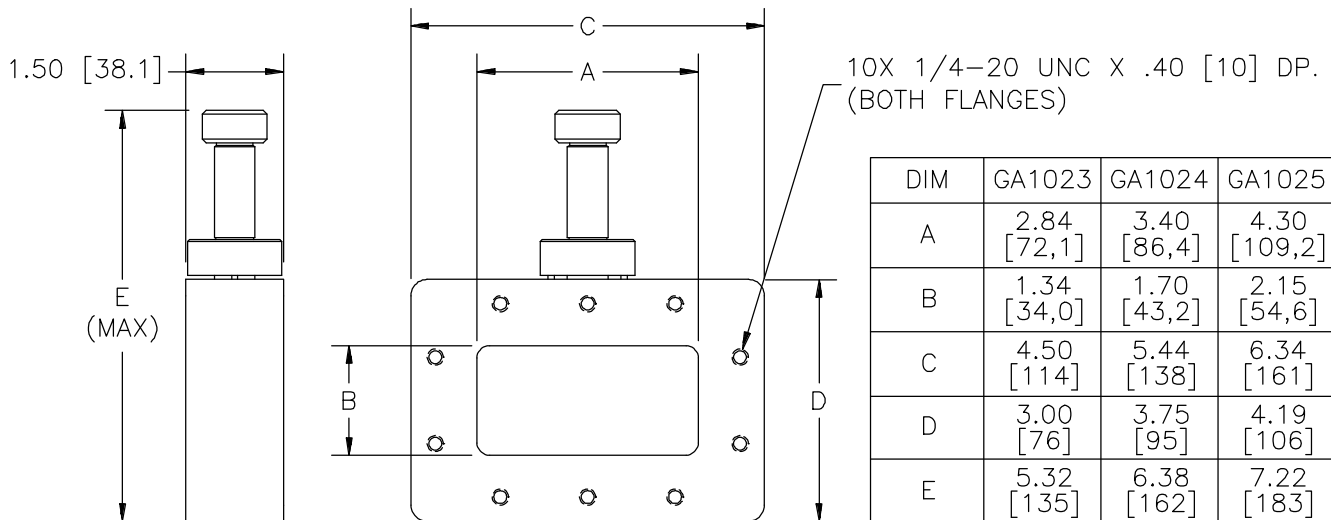
Single stub tuners are a convenient and low cost option for applications in which the ideal impedance matching stub location is predetermined, or as a tool during product development to help find the ideal location.

**General Specifications:**

Waveguide	GA1023: WR284 GA1024: WR340 GA1025: WR430
Flange	GA1023: UG1725/U GA1024: UG554/U GA1025: UG437B/U (all with 1/4-20 UNC tapped holes)
Frequency	2450 MHz +/- 50 MHz nominal
Power (continuous)	GA1023: 3 kW GA1024: 6 kW GA1025: 10 kW
Construction	Aluminum waveguide, brass stubs
Finish	Chemical conversion coating (waveguide)



**Model GA1024**



DIM	GA1023	GA1024	GA1025
A	2.84 [72,1]	3.40 [86,4]	4.30 [109,2]
B	1.34 [34,0]	1.70 [43,2]	2.15 [54,6]
C	4.50 [114]	5.44 [138]	6.34 [161]
D	3.00 [76]	3.75 [95]	4.19 [106]
E	5.32 [135]	6.38 [162]	7.22 [183]



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All dimensions are in inches [millimeters].

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