

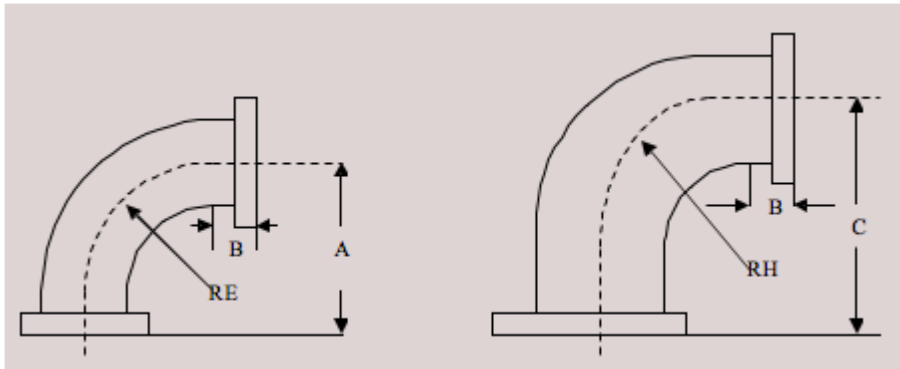


E-Plane Sweep



H-Plane Sweep

Mega Industries WR430 sweep bends utilize the most advanced fabricating methods for the forming of precision waveguide bends. Strict adherence to EIA dimensional tolerance ensures a minimum reflection coefficient over the waveguide band. Pieces are available in full height (2:1 ratio) as well as reduced height configurations. Units are available for both high pressure and high vacuum applications. The radii listed below are the recommended dimensions for 90° bends.



|              |        |
|--------------|--------|
| Typical VSWR | 1.05:1 |
| A            | 8 in.  |
| B            | 2 in.  |
| RE           | 6 in.  |

|              |        |
|--------------|--------|
| Typical VSWR | 1.05:1 |
| C            | 10 in. |
| B            | 2 in.  |
| RH           | 8 in.  |

Standard material used is 6016-T6 Aluminum; however these can also be supplied in Copper, Brass, Stainless Steel and Invar. Other radii and angles can be readily supplied to minimize system design costs.