Step Twist

Series No: 119

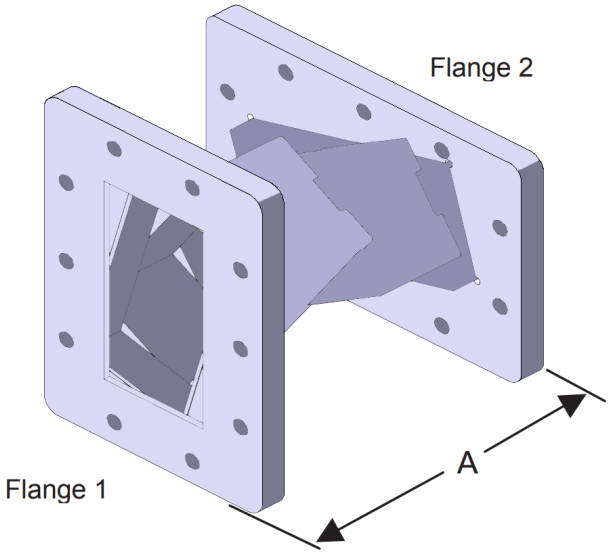
Part Description

UBS offers a custom product line of Electroformed step twist covering waveguide sizes from WR-90 through WR-650. Insertion loss is equivalent to straight waveguide sections.

Ordering Data

Part number - 119 – X – X – X – X – X – X – X

- **Series No.**
- **WG Size**
- **Length**
- **Flange 1**
- **Flange 1 Mounting**
- **Flange 2**
- **Flange 2 Mounting**
- **Twist Angle**



Flange Configuration

Flange Type	C - Cover G - Groove CHOKE CMR CPR(F, G)
Flange Mounting Holes	T1 - Through Holes T2 - Threaded A - Alternating
Twist Angle	1 - 90° Twist 2 - 45° Twist

Electrical Specification

VSWR	< 1.2 max.

STANDARD FINISH: is electroless corrosion protection for the metal surface. Non standard configurations and finishes (Silver, Nickel, Cadmium plating) are available upon request. Waveguide sizes up to WR-650 available. Contact our sales department with your requirements.

Specifications

Size	Frequency GHz	Minimum Dimension Available for 90° Twist (inches)	Minimum Dimension Available for 45° Twist (inches)
WR90	8.20 - 12.40	2.00	1.50
WR112	7.05 - 10.00	2.00	1.50
WR137	5.85 - 8.20	2.00	1.50
WR159	4.90 - 7.05	3.00	2.00
WR187	3.95 - 5.85	3.00	2.00
WR229	3.30 - 4.90	3.00	2.00
WR284	2.60 - 3.95	6.00	5.00
WR340	2.20 - 3.30	6.00	5.00
WR430	1.70 - 2.60	6.00	5.00
WR650	1.12 - 1.70	9.00	8.00

www.Uniquesys.com
Head Office: Unique Broadband Systems a DOL Technologies Inc. Company
230 Bayview Dr. Unit 16 Barrie ON L4N 4Y8 | **Tel:** 905 669 8533 | **Toll Free:** 1 877 669 8533 | **Email:** Sales@uniquesys.com