

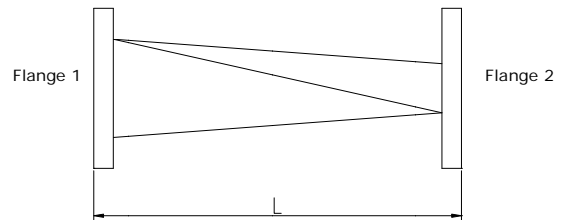


## 3 Waveguide Twist

Vector Telecom offers a standard product line of waveguide twist covering waveguide sizes WR10 thru WR430 and Double Ridged. Twist angle, twist direction and flange types can be custom made as per customer's specific requirements.



### 3.1 Waveguide Twist



#### 【Specifications】

Model No*	Freq Range (GHz)	VSWR (Max)	Std Length (mm)	Min Length (mm)	WG Type		Flange	Material
					IEC	EIA		
VT22WTA...	1.72-2.61	1.10	400	150	R22	WR430	FDP/FDM	Al
VT26WTA...	2.17-3.30	1.10	400	140	R26	WR340	FDP/FDM	Al
VT32WTA...	2.60-3.95	1.10	300	120	R32	WR284	FDP/FDM	Al
VT40WTA...	3.22-4.90	1.10	200	90	R40	WR229	FDP/FDM	Al
VT48WTA...	3.94-5.99	1.10	200	70	R48	WR187	FDP/FDM	Al
VT58WTA...	4.64-7.05	1.10	200	70	R58	WR159	FDP/FDM	Al
VT70WTA...	5.38-8.17	1.10	100	60	R70	WR137	FDP/FDM	Cu
VT84WTA...	6.57-9.99	1.10	100	50	R84	WR112	FBP/FBM	Cu
VT100WTA...	8.20-12.40	1.10	100	45	R100	WR90	FBP/FBM	Cu
VT120WTA...	9.84-15.0	1.10	100	40	R120	WR75	FBP/FBM	Cu
VT140WTA...	11.9-18.0	1.10	100	40	R140	WR62	FBP/FBM	Cu
VT180WTA...	14.5-22.0	1.10	60	35	R180	WR51	FBP/FBM	Cu
VT220WTA...	17.6-26.7	1.10	60	35	R220	WR42	FBP/FBM	Cu
VT260WTA...	21.7-33.0	1.10	60	35	R260	WR34	FBP/FBM	Cu
VT320WTA...	26.5-40.0	1.10	50	30	R320	WR28	FBP/FBM	Cu
VT400WTA...	32.9-50.1	1.15	50	30	R400	WR22	FUGP	Cu
VT500WTA...	39.2-59.6	1.15	50	30	R500	WR19	FUGP	Cu
VT620WTA...	49.8-75.8	1.15	50	25	R620	WR15	FUGP	Cu
VT740WTA...	60.5-91.9	1.15	50	25	R740	WR12	FUGP	Cu
VT900WTA...	73.8-110	1.15	50	25	R900	WR10	FUGP	Cu

\*Indicates Model Number. See Ordering Information for complete part number.



## 【Ordering Information】

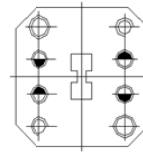
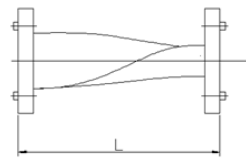
**Example Part No:** VT 100 WTA 100 P M A 45

Vector Telecom ————  
 WG Type: R100 ————  
 Production Type: WG Twist ————  
 Twist WG Length: L=100mm ————

Twisting Angle: 45° (90° as default)  
 Material: A=Aluminum C=Copper  
 Flange 2 Type: M=FBM100  
 Flange 1 Type: P=FBP100

- Flange type: Multiple types available - see VT Flanges page
- Finish: Corrosion protection plus black top coat
- Twist angle other than 90 available on request
- Twist direction option of VT unless otherwise specified

### 3.2 Double Ridged Waveguide Twist



## 【Specifications】

Model No*	Freq Range (GHz)	VSWR (Max)	Std Length (mm)	WG Type		Flange	Material
				IEC	EIA		
VT84DRWTA...	0.84-2	1.25	500	R84	WRD84	FP/FM	Al
VT150DRWTA...	1.5-3.6	1.25	400	R150	WRD150	FP/FM	Al
VT200DRWTA...	2-4.8	1.25	400	R200	WRD200	FP/FM	Al
VT250DRWTA...	2.6-7.8	1.25	300	R250	WRD250	FP/FM	Al
VT350DRWTA...	3.5-8.2	1.25	300	R350	WRD350	FP/FM	Al
VT475DRWTA...	4.75-11	1.25	300	R475	WRD475	FP/FM	Cu
VT500DRWTA...	5-18	1.25	200	R500	WRD500	FP/FM	Cu
VT580DRWTA...	5.8-16	1.25	200	R580	WRD580	FP/FM	Cu
VT650DRWTA...	6.5-18	1.25	200	R650	WRD650	FP/FM	Cu
VT750DRWTA...	7.5-18	1.25	200	R750	WRD750	FP/FM	Cu
VT700DRWTA...	7-18.5	1.25	200	R700	WRD700	FP/FM	Cu
VT1100DRWTA...	11-26.5	1.25	150	R1100	WRD1100	FP/FM	Cu
VT1800DRWTA...	18-40	1.3	80	R1800	WRD1800	FP/FM	Cu

\*Indicates Model Number. See Ordering Information for complete part number.



Section 1

**Waveguide  
Components**

## 【Ordering Information】

**Example Part No:** VT 650 DRWTA 200 P M C  
Vector Telecom | Material: Brass  
WG Type: WRD650 | Flange 2 Type: FP  
Product Type: Double Ridged WG Twist | Flange 1 Type: FM  
Length: L=200mm

- Flange type: Multiple types available - see VT Flanges page
- Finish: Corrosion protection plus black top coat
- Twist angle other than 90 available on request
- Twist direction option of VT unless otherwise specified

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**Waveguide  
Twist**



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