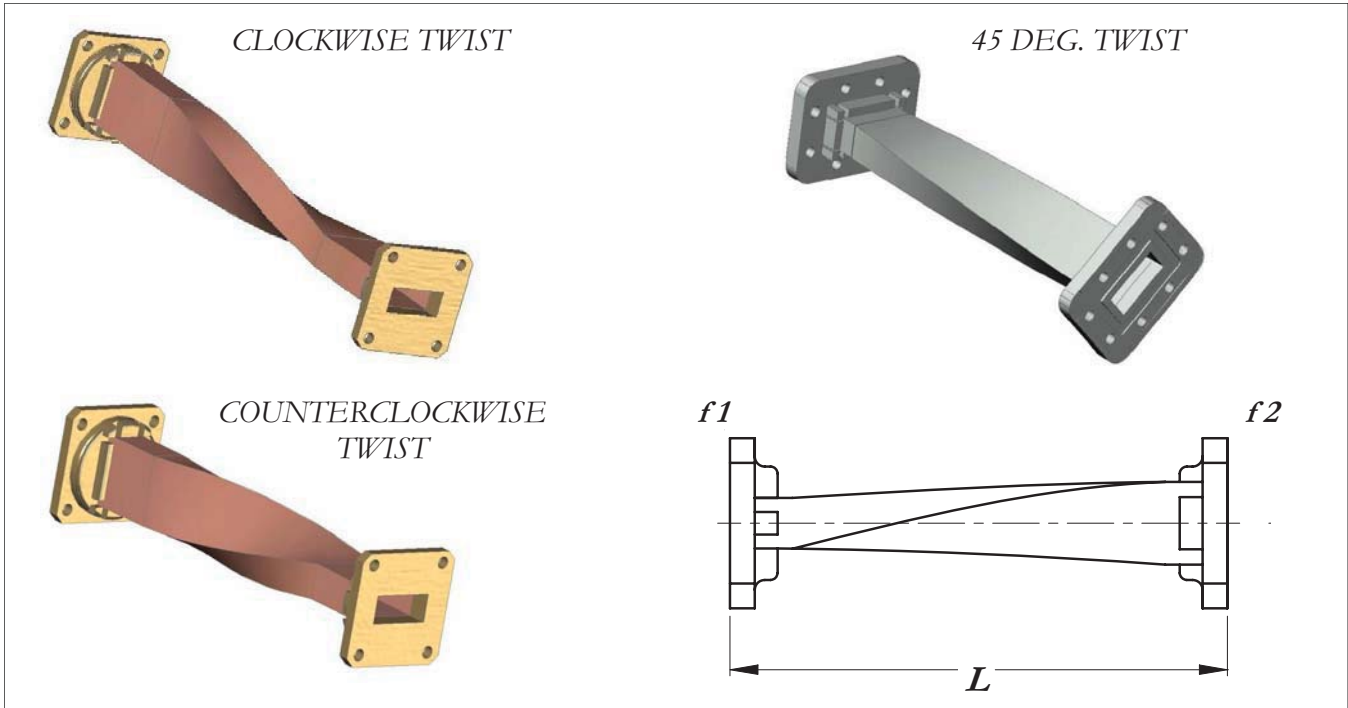


Rectangular Waveguide Twist Assemblies



Space Machine will custom fabricate waveguide twists covering the waveguide sizes WR10 to WR430. Degree of twist, length and flange types made to customer specifications. VSWR is less than 1.10:1 over the full waveguide band. SME standard twist direction is clockwise*. To order counterclockwise** twist add a dash and "CCT" after Part Number. Example: 90-WTW62-6.0B0102-CP-CCT

* "Clockwise Twist" - when the assembly is held vertically and viewed from above, the twist of the tubing progresses in a clockwise direction from top to bottom.

** "Counterclockwise Twist" - when the assembly is held vertically and viewed from above, the twist of the tubing progresses in a counterclockwise direction from top to bottom.

wr* - add HW, RH or TW to the part number if ordering heavy wall waveguide tubing (HW), reduced height waveguide tubing (RH) or thin wall waveguide tubing (TW). See [appendix A](#) for waveguide physical dimensions.

Example: 45WTW90HW-8C0101-CP

Ordering Information:

90° Waveguide Twist, WR62,
6.0" Long, Bronze, Cover / Choke Flanges,
Chromated, Paint Space Machine Gray.

Example part number:

<u>d</u>	<u>WTW</u>	<u>wr*</u>	<u>-l</u>	<u>m</u>	<u>f1 f2</u>	<u>-p</u>	<u>f</u>
90	WTW	62	-6.0	B	01 02	-C	P

Degree of Twist: 30, 45, 60, 90, or as required.

Series (WTW):

Waveguide Size (wr): WR22 thru WR430

Length (-l): (inches)

Waveguide Material (m): A – Aluminum, B – Bronze,
C – OFHC Copper, O – Other

Flange (f1 f2): See [Appendix G](#)

Plating (-p): C – Chromate, S – Silver, G – Gold, O – Other, N – None

Finish (f): P – Paint Space Machine Gray, N – None, O – Other