

STQ-TL-RW-S10-M1

Wave-Glide™ Rail Positioning System

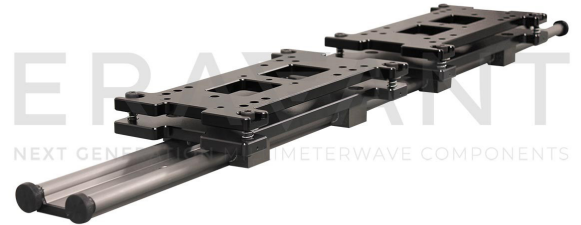
Model STQ-TL-RW-S10-M1 is a patent pending rail system to enhance the millimeterwave VNA testing experience. Trademarked as Wave-Glide™, it is a Novel Apparatus for accurate, reliable and rapid testing when working with the VNA extenders and Eravant patent pending and trademarked Proxi-Flange™ contactless flange.

Proxi-Flange™ contactless flange is the key invention enabling Wave-Glide™ Rail to perform millimeterwave testing using VNA extenders. Proxi-Flange™ contactless flange is offered to cover the frequency range of 18 GHz to 220 GHz in waveguide bands from WR-42 to WR-05.

The rail setup eliminates the inter-connecting waveguides, avoids tedious and time-consuming alignment efforts, and increases the productivity. The Wave-Glide™ is constructed by using a set of linear rails together with mounting plates for connecting various VNA manufacturers' extenders. The Wave-Glide™ is compatible with the extender modules listed on second page. Compatibility can be extended to other manufacturer's frequency extender modules by customizing mounting plates.

Mechanical Specifications

Parameter	Specification
Rail Length	41" (104 cm)
Rail Material	Aluminum
Rail Finish	Grey Anodized
Base Plate Material	Aluminum
Base Plate Finish	Black Anodized
Weight	14.4 lb
Outline	TL-RS-M1



ECCN

- EAR99

FEATURES

- High Durability and Reliability
- Light Weight
- Low Setup Time

APPLICATIONS

- Millimeterwave VNA Testing
- Linear Measurements
- Volume Production

SUPPLEMENTAL DETAILS

- App Note: [Wave-Glide™ Rail System](#)
- [VNA Frequency Extenders](#)
- [Proxi-Flange™ Contactless Flange](#)
- [Waveguide Calibration Kits](#)
- [Waveguide Quick Connects](#)
- [Wave-Glide™ Assembly Instructions](#)



STQ-TL-RW-S10-M1

Compatible VNA Extender Models

Item	Specification	Configuration Guide		
Eravant (E)	Frequency (GHz)	TX/RX Set	TX/RX Single	TX/RX Single with Attenuator
	220-330	STO-03203N05-CMC-S1	STO-03203N05-C-E1	STO-03203N05-CM-E1
	140-220	STO-0509300-CMC-S1	STO-0509300-C-E1	STO-0509300-CM-E1
	140-220	STO-0520300-CMC-S1	STO-0520300-C-E1	STO-0520300-CM-E1
	110-170	STO-0609300-CMC-S1	STO-0609300-C-E1	STO-0609300-CM-E1
	110-170	STO-0620300-CMC-S1	STO-0620300-C-E1	STO-0620300-CM-E1
	90-140	STO-0809300-CMC-S1	STO-0809300-C-E1	STO-0809300-CM-E1
	90-140	STO-0820300-CMC-S1	STO-0820300-C-E1	STO-0820300-CM-E1
	75-110	STO-1009305-CMC-S1	STO-1009305-C-E1	STO-1009305-CM-E1
	75-110	STO-1009313-CMC-S1	STO-1009313-C-E1	STO-1009313-CM-E1
	75-110	STO-1020305-CMC-S1	STO-1020305-C-E1	STO-1020305-CM-E1
	75-110	STO-1020313-CMC-S1	STO-1020313-C-E1	STO-1020313-CM-E1
	75-110	STO-10203N08-CMC-S1	STO-10203N08-C-E1	STO-10203N08-CM-E1
	60-90	STO-1209305-CMC-S1	STO-1209305-C-E1	STO-1209305-CM-E1
	60-90	STO-1209315-CMC-S1	STO-1209315-C-E1	STO-1209315-CM-E1
	60-90	STO-1220305-CMC-S1	STO-1220305-C-E1	STO-1220305-CM-E1
	60-90	STO-1220315-CMC-S1	STO-1220315-C-E1	STO-1220315-CM-E1
	50-75	STO-1509305-CMC-S1	STO-1509305-C-E1	STO-1509305-CM-E1
	50-75	STO-1509315-CMC-S1	STO-1509315-C-E1	STO-1509315-CM-E1
	50-75	STO-1520305-CMC-S1	STO-1520305-C-E1	STO-1520305-CM-E1
	50-75	STO-1520315-CMC-S1	STO-1520315-C-E1	STO-1520315-CM-E1

ERAVANT
NEXT GENERATION MILLIMETERWAVE COMPONENTS

STQ-TL-RW-S10-M1

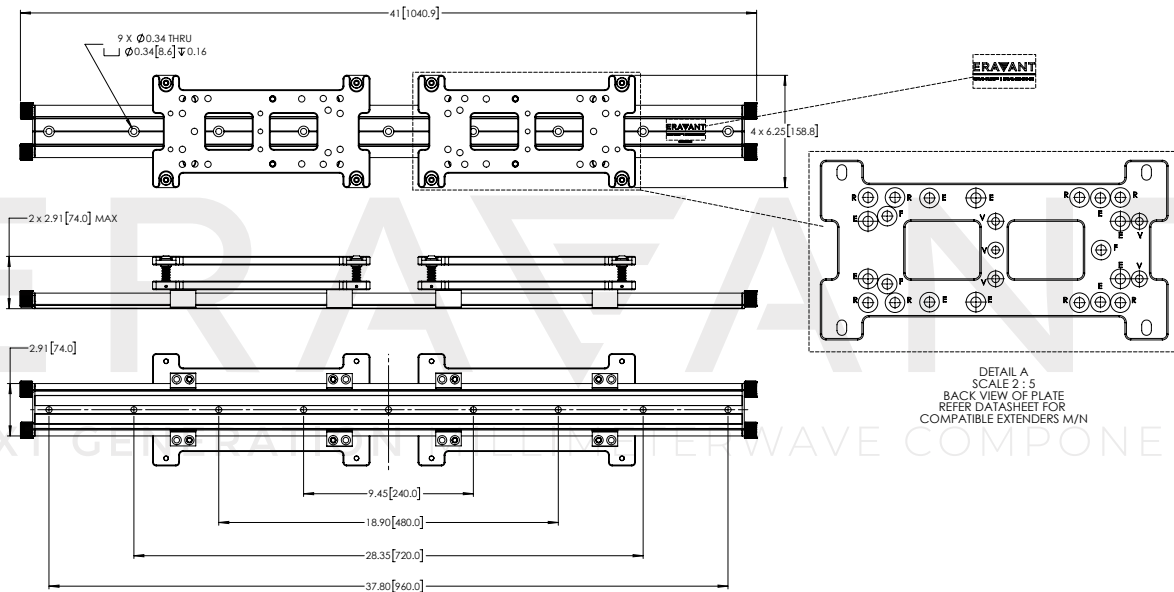
Compatible VNA Extender Models

Item	Specification	Model Number
Rohde and Schwarz (R)	750 to 1100	RPG ZTXR1100
	500 to 750	ZC750, RPG ZTXR750
	325 to 500	ZC500, RPG ZTXR500
	260 to 400	ZC400, RPG ZTXR400
	220 to 330	ZC330, RPG ZTXR330
	170 to 260	ZC260, RPG ZTXR260
	140 to 220	ZC220, RPG ZTXR220
	110 to 170	ZC170, RPG ZTXR170
	90 to 140	ZC140, RPG ZTXR140
	78 to 118	ZC118
	75 to 110	ZC110
	60 to 90	ZC90, ZC90E, RPG ZTXR90
	53 to 78	ZC78
	50 to 75	RPG ZTXR75
Virginia Diodes (V)	500-750	WM-380 VNAX (TxRx and TxRef)
	330-500	WM-570 VNAX (TxRx and TxRef)
	260-700	WM-710 VNAX (TxRx and TxRef)
	220-330	WR-3.4 VNAX (TxRx and TxRef)
	170-260	WR-4.3 VNAX (TxRx and TxRef)
	140-220	WR-5.1 VNAX (TxRx and TxRef)
	110-170	WR-6.5 VNAX (TxRx and TxRef)
	90-140	WR-8 VNAX (TxRx and TxRef)
	75-110	WR-10 VNAX (TxRx and TxRef)
	60-90	WR-12 VNAX (TxRx and TxRef)
	50-75	WR-15 VNAX (TxRx and TxRef)
Farran (F)	40-60	WR-19 VNAX (TxRx and TxRef)
	26-40	WR-28 VNAX (TxRx and TxRef)
	75-110	FEV-10-TR-0006
	60-90	FEV-12-TR-0006
	50-75	FEV-15-TR-0006

STQ-TL-RW-S10-M1

Mechanical Outline

Unless otherwise specified, all dimensions are in inches [millimeters]



NOTE

- The Wave-Glide™ is a trademarked and patent pending product of Eravant.
- Packaging in a durable package case is available upon request.
- Eravant reserves the right to change the information presented without notice.

STQ-TL-RW-S10-M1

APPENDIX: ASSEMBLED SETUP USING ERAVANT STO SERIES VNA EXTENDERS

