

# TRIO ANTENNA SUPPORTS

TRIO Antenna Supports provide quick and easy installation for TRIO rooftop applications. These ready-to-use system packages include non-penetrating octagonal platform, ballast, and foldable mast section to receive a Tri-Sector antenna from Amphenol Antenna Solutions' TRIO range. The mast section of the structure can also accommodate 310 to 388 mm diameter Trio Extensions for MHA housing and is foldable from vertical to horizontal with provision for optional manual hydraulic operation. With a low visual impact design, these systems help to achieve site approval in the most challenging environments.

## FEATURES:

- Self-supporting foldable structure for a TRIO antenna on a non-penetrating platform
- Accommodates 230 mm, 310 mm and 388 mm diameter Trio antennas
- Variety of heights from 3.06 m to 7.91 m depending on antenna
- Optional manual hydraulic operation
- Easy installation for quick roll-out on rooftop

TRIO Antenna

Foldable Mast Section

Non-Penetrating Platform



## TRIO Antenna Support Model Numbers

Choose antenna, select needed height at the top, and find antenna support model number option.

| TRIO Antenna                         | 3.0 m - 3.9 m                    | 4.0 m - 4.9 m                    | 5.0 m - 5.9 m                    | 6.0 m - 6.9 m                    | 7.0 m - 7.9 m                    |
|--------------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| 5880903                              | --                               | TRX-M2-03B<br>Top Height: 4.42m  | TRX-L2-13B<br>Top Height: 5.42 m | TRX-L2-23B<br>Top Height: 6.42 m | TRX-L6-33B<br>Top Height: 7.42 m |
| 5880903 + TRIO Extension             | --                               | --                               | TRX-L2-03C<br>Top Height: 5.27 m | TRX-L2-13C<br>Top Height: 6.27 m | TRX-L6-23C<br>Top Height: 7.27 m |
| 5860903                              | --                               | TRX-M2-03B<br>Top Height: 4.42 m | TRX-L2-13B<br>Top Height: 5.42 m | TRX-L2-23B<br>Top Height: 6.42 m | TRX-L6-33B<br>Top Height: 7.42 m |
| 5860903 + TRIO Extension             | --                               | --                               | TRX-L2-03C<br>Top Height: 5.27 m | TRX-L2-13C<br>Top Height: 6.27 m | TRX-L6-23C<br>Top Height: 7.27 m |
| 5863903                              | TRX-M0-03B<br>Top Height: 3.64 m | TRX-M2-13B<br>Top Height: 4.64 m | TRX-L2-23B<br>Top Height: 5.64 m | TRX-L4-33B<br>Top Height: 6.64 m | TRX-L6-43B<br>Top Height: 7.64 m |
| 5863903 + TRIO Extension             | --                               | TRX-M2-03C<br>Top Height: 4.49 m | TRX-L2-13C<br>Top Height: 5.49 m | TRX-L2-23C<br>Top Height: 6.49 m | TRX-L6-33C<br>Top Height: 7.49 m |
| 5177703                              | TRX-M0-03B<br>Top Height: 3.06 m | TRX-M2-13B<br>Top Height: 4.06 m | TRX-L2-23B<br>Top Height: 5.06 m | TRX-L2-33B<br>Top Height: 6.06 m | TRX-L6-43B<br>Top Height: 7.06 m |
| 5177703 + TRIO Extension             | TRX-M0-03C<br>Top Height: 3.91 m | TRX-L2-13C<br>Top Height: 4.91 m | TRX-L2-23C<br>Top Height: 5.91 m | TRX-L4-33C<br>Top Height: 6.91 m | TRX-L6-43C<br>Top Height: 7.91 m |
| 5162903                              | TRX-S0-03B<br>Top Height: 3.34 m | TRX-M0-13B<br>Top Height: 4.34 m | TRX-L2-23B<br>Top Height: 5.34 m | TRX-L2-33B<br>Top Height: 6.34 m | TRX-L6-43B<br>Top Height: 7.34 m |
| 5162903 + TRIO Extension             | --                               | TRX-M0-03C<br>Top Height: 4.19 m | TRX-M2-13C<br>Top Height: 5.19 m | TRX-L2-23C<br>Top Height: 6.19 m | TRX-L4-33C<br>Top Height: 7.19 m |
| 5176903                              | TRX-S0-03B<br>Top Height: 3.06 m | TRX-M0-13B<br>Top Height: 4.06 m | TRX-M2-23B<br>Top Height: 5.06 m | TRX-L2-33B<br>Top Height: 6.06 m | TRX-L4-43B<br>Top Height: 7.06 m |
| 5176903 + TRIO Extension             | TRX-M0-03C<br>Top Height: 3.91 m | TRX-M2-13C<br>Top Height: 4.91 m | TRX-L2-23C<br>Top Height: 5.91 m | TRX-L4-33C<br>Top Height: 6.91 m | TRX-L6-43C<br>Top Height: 7.91 m |
| 5880713                              | --                               | TRX-M0-03B<br>Top Height: 4.42 m | TRX-L2-13B<br>Top Height: 5.42 m | TRX-L2-23B<br>Top Height: 6.42 m | TRX-L6-33B<br>Top Height: 7.42 m |
| 5880713 + TRIO Extension             | --                               | --                               | TRX-L2-03C<br>Top Height: 5.27 m | TRX-L2-13C<br>Top Height: 6.27 m | TRX-L4-23C<br>Top Height: 7.27 m |
| 5863703                              | TRX-M0-03B<br>Top Height: 3.65 m | TRX-M2-13B<br>Top Height: 4.65 m | TRX-L2-23B<br>Top Height: 5.65 m | TRX-L2-33B<br>Top Height: 6.65 m | TRX-L6-43B<br>Top Height: 7.65 m |
| 5863703 + TRIO Extension             | --                               | TRX-M2-03C<br>Top Height: 4.5 m  | TRX-L2-13C<br>Top Height: 5.5 m  | TRX-L2-23C<br>Top Height: 6.5 m  | TRX-L6-33C<br>Top Height: 7.5 m  |
| 5162703                              | TRX-S0-02A<br>Top Height: 3.29 m | TRX-M0-12A<br>Top Height: 4.29 m | TRX-M2-22A<br>Top Height: 5.29 m | TRX-L2-32A<br>Top Height: 6.29 m | TRX-L2-42A<br>Top Height: 7.29 m |
| 5176703                              | TRX-S0-02A<br>Top Height: 3.06 m | TRX-M0-12A<br>Top Height: 4.06 m | TRX-M2-22A<br>Top Height: 5.06 m | TRX-L2-32A<br>Top Height: 6.06 m | TRX-L2-42A<br>Top Height: 7.06 m |
| Optional Hydraulic Cylinder and Pump | TRX-HYD-01                       |                                  |                                  |                                  |                                  |

## TRX-S0-02A\* to TRX-L6-43C\*

\* Refer to the *TRIO Antenna Support Model Numbers* table on page 93 for available options.

Heights from 3.06 mm to 7.91 mm | Self-supporting | Foldable

| Supporting Structure Mechanical Characteristics   |  |
|---|--|
| Total height including antenna (TOP)  | <b>3.06 to 7.91 m</b> (above roof)   |
| Platform footprints:<br>S size:<br>M size:<br>L size:   | 2040 x 2040 mm octagonal<br>2544 x 2544 mm octagonal<br>3378 x 3378 mm octagonal   |
| Ballast   | Installed in the platform.<br>Ballast weight: 0 kg - 630 kg, depending on configuration.<br>Ballast is supplied and made of concrete blocks. |
| Mast section diameters:<br>230 mm dia TRIO<br>310 mm dia TRIO<br>388 mm dia TRIO              | 273 mm<br>355 mm<br>355 mm   |
| Weights of steel parts:<br>S size platform:<br>M size platform:<br>L size platform:<br>Masts: | 419 kg<br>508 kg<br>624 kg<br>61 kg - 296 kg, depending on configuration   |
| Material: Platform and mast:<br>Standard mast paint color:                                    | Hot dipped galvanized steel<br>RAL7035 (same as antenna shroud)<br><i>Other optional colors available on request</i>                         |
| Wind Speed  | Operational: 160 km/hr      Survival: 200 km/hr  |
| Installation  | A detailed installation manual is supplied with the structure.   |



### Hydraulic Mechanism

Option TRX-HYD-01  
Manual hydraulic cylinder and pump

