

# DORNE & MARGOLIN ANTENNAS - ANTENNA TEMPLATES

## DM C63-1/A COM ANTENNA

Frequency Range 118-137 MHz The DM C63-Series antennas are VHF communication antennas designed for high mechanical strength with machine tapered aluminum alloy radiating elements. These vertically polarized antennas cover the frequency range of 118-137 MHz for both transmitting and receiving applications. Supplied with a gasket and a doubler plate .....P/N 11-02764 ..... ---

## DM C63-2 COM ANTENNA

118-137MHz Bent Rod For Bottom Installation, Frequency Range 118-137 MHz The DM C63-Series antennas are VHF communication antennas designed for high mechanical strength with machine tapered aluminum alloy radiating elements. Cover the frequency range of 118-137 MHz. The DM C63-2 is a low profile "bentback" radiating element designed for mounting on the bottom of the fuselage .....P/N 11-02765 ..... ---

## DM C63-3/A ANTENNA

VHF communication antenna designed for high mechanical strength with machine tapered aluminum alloy radiating elements. These vertically polarized antennas cover the frequency range of 138-174 MHz for both transmitting and receiving applications. Low profile "bentback" radiating element designed for mounting on the bottom of the fuselage. Supplied with a gasket and a doubler plate. ....P/N 11-02766 ..... ---

## DM C70-1/A COM ROD ANTENNA

Designed for top or bottom installation on high-performance, single, twin and turbo engine fixed and rotary wing aircraft. These uniquely designed antennas offer mechanical strength and high-electrical efficiency to provide maximum reliability and full 360/720 channel transceiver operation. Height: 15" Speed Rating: 400 mph .....P/N 11-02768 ..... ---

## DM C70-3 COM ROD ANTENNA

Designed for top or bottom installation on high-performance, single, twin and turbo engine fixed and rotary wing aircraft. Offer mechanical strength and high-electrical efficiency to provide maximum reliability and full 360/720 channel transceiver operation. Height: 20.5". Speed Rating: 250 mph. ....P/N 11-02769 ..... ---

## DM C70-4 COM ANTENNA

Designed for top or bottom installation on high-performance, single, twin and turbo engine fixed and rotary wing aircraft. These uniquely designed antennas offer mechanical strength and high-electrical efficiency to provide maximum reliability and full 360/720 channel transceiver operation. ....P/N 11-02770 ..... ---

## DM NI70-2 COM ANTENNA

L-band metal blades with extended bandwidth for use with both transponders or distance measuring equipment. Sealed and waterproofed for increased reliability. ....P/N 11-02767 ..... ---

## DM N48-1 NAV ANTENNA

Balanced loop design assures an omnidirectional radiation pattern at the horizon to obtain the maximum signal for standard VOR and area navigation systems installed in lightweight aircraft, medium twins, and helicopters operating up to 250 mph. Dual VOR receiver operation is obtained when the antenna is used with the DM H21-1 diplexer. ....P/N 11-02771 ..... ---

## DORNE & MARGOLIN

### -2/L BAND BLADE/ 4HOLE/C CONN

Blades are low profile antennas which incorporate high side load strength, a sealed construction against water and Skydrol, and lightning protection circuits. Reduced maintenance costs. ....P/N 11-08338 ..... ---

## DM C70-6 VHF COMM BROADBAND ANTENNA

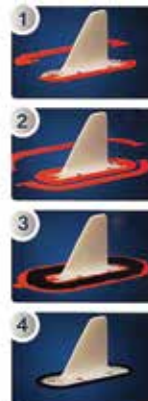
The C70 Series VHF Communication Antennas are designed to be installed on the top or bottom on high-performance, single, twin and turbo engine fixed and rotary wing aircraft. ....P/N 11-15523 ..... ---

## DORNE & MARGOLIN NAV ANTENNA SPLITTERS

This Antenna Coupler is ruggedly built and housed in an aluminum case with all circuit elements fully encapsulated. ....P/N 11-02774 ..... ---

DM H21-2 - Dual Market Beacon or Dual VOR. P/N 11-02772 ..... ---  
DM H22-1 - Single G/S or Single VOR .....P/N 11-02773 ..... ---  
DM H23-1 - Triplexer-Dual VOR & Single G/S ..P/N 11-02774 ..... ---  
DM H69-1 - Quadraplexer-Dual VOR & Dual G/SP/N 11-02775 ..... ---  
DM H24-1 - Diplexer, Dual G/S .....P/N 11-02776 ..... ---

## ANTENNA INSTALLATION TEMPLATES



Custom designed templates improve the antenna sealing process, making it more precise, efficient and cost-effective.

Each Sealing Guide template is custom designed to correspond to an individual antenna. They consist of 2 pieces, one inner part and one outer part. The inner template adheres to the base of the antenna, the outer template is placed on the body of the aircraft surrounding the antenna. Sealant is applied to the gap between the templates. Sealant is applied to the gap between

the templates. When the templates are removed and discarded, the sealant is left to cure, resulting in a clean, precise and smooth seal.

Each template is custom designed to correspond to an individual antenna. You will no longer need to laboriously cut and paste various lengths of tape, trying to fit them around the irregular antenna shape.

The Sealing Guide template consists of 2 pieces, one inner part and one outer part. Application is simple. The inner template adheres to the base of the antenna, and the outer template is placed on the body of the aircraft surrounding the antenna. Sealant is applied to the gap between the templates. The templates are then removed and discarded. The sealant is left to cure, resulting in a clean, precise and smooth seal.

Incorporating the "Sealing Guide" system into your sealing process will significantly reduce labor time.

For use with the following antennas:	Part No.	Price
CI-100 Series, CI-105-6, CI-105-7, CI-110-40 Series, CI-110-41 Series, CI-110-60 Series, CI-110-61 Series, S65-5366-850L, S65-5366-890L, S65-5366-2L, S65-5366-3L, S65-5366-7L, S65-5366-8L, S65-5366-10L, S65-5366-10LC, S65-5366-11L, S65-5366-116L, S65-5366-119L, S65-5366-144L, S65-5366-145L, S65-5366-168L, S65-5366-4 Series, AV-741, DM N150 Series, DM N170 Series	11-06656	---
CI-121, CI-122, CI-177, CI-177-1, CI-177-13, CI-177-3, CI-177-4, CI-177-20, CI-291, CI-292-1, CI-292-2, CI-292-3, CI-292-4, CI-222, CI-222-1, CI-4510, CI-317, CI-317-1, CI-405 Active Series, CI-405-26 Active, AV-10, AV-14, AV-17	11-06665	---
CI-401 Series ACT, CI-401 Series PAS, S67-1575-16, S67-1575-52, S67-1575-82, S67-1575-132, S67-1575-133, S67-1575-134, S67-1575-135, S67-1575-145, AV-GPS, DM N1021-1	11-06667	---
S67-1575-136, S67-1575-863, S67-1575-109, S67-1575-137	11-06671	---

## TED 4-70 GPS NOTCH FILTER



Your global positioning system receives its positional information at 1575.42 MHz. The communications radios on-board your aircraft typically broadcast in the 121.5 MHz range. That is a wide separation in frequency bandwidth but it's not the complete picture. Your comm's are also producing harmonics which can produce significant noise at the GPS frequency. Now you can filter that signal and avoid potentially hazardous situations.

A simple low cost way to clean up the receivers frequency environment. The TED 4-70 notch filter installs quickly and easily via standard BNC bayonet couplings, in-line between radios and antenna. The 4-70 rejects in excess of 50dB of 1575.42 signal at the source. Each filter is individually tuned and checked to assure maximum performance. Of course, the 4-70 also passes strenuous environmental criteria so important in aircraft applications. Major GPS manufacturers recognize this problem & recommend using the 4-70 on new and retrofit installation. ....P/N 11-02204 ..... ---

AV