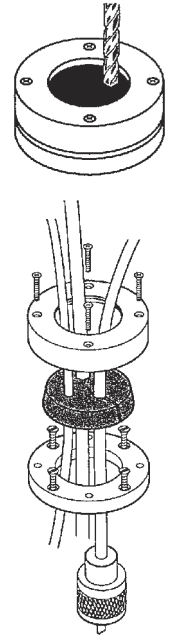## Waterproof Fittings

- Create a 100% waterproof seal when routing cables through decks and bulkhead
- Allow installation and/or removal of cable with connector still attached
- Accommodate wide range of cables
- Rugged, weatherproof glass-filled nylon
- Available in two series:

CCX Series – Entry hole pre-drilled in seal with slit to edge allowing feed thru of cable with factory-installed connector attached; multiple glands cover a wide range of cable sizes; one CCX fitting required for each cable.

DX Series – Drill holes and slit cable gland as required to accommodate cable with or without factory-installed connector. Multiple cables may be passed through a single fitting.

Model	Cable Diameter Range	Max Connector Diameter	Typical Connector
CCX-R	.47"-.59"	1.57"	Large Radar Plug
CCX-S	.35"-.55"	.83"	Small Radar Plugs
CCX-T	.18"-.35"	.83"	PL-259, BNC, Wind Instrument Plugs

Model	Drill Thru Aperture	Max. Connector Dia.
DX-2	1.18" Diameter	1.18"
DX-3	1.57" Diameter	1.57"
DX-5*	1.9" Diameter	1.9"

* Aluminum Housing

RailFast® Antenna Mounts

Quick, easy installation of antenna on 1" or 7/8" railing. Ideal for G.P.S., VHF radio, and whip antennas, has direct feed-thru hole for coax cable. Ratchet surface permits 360° rotation for adjustment/lay-down. Holds antennas up to 8' (2.4 meters) in length. No drilling required; all necessary hardware provided. (US Patent #4546949)

- **Model 311-N**
  Strong, fiberglass filled nylon rail mount for permanent antenna installation with hex-key vertical adjustment. Smooth spherical shape won't catch lines or clothing.
- **Model 311-NLH**
  Similar to 311-N (listed above), but has lay-down handle that permits quick, easy lay-down of antenna.

311-N

311-NLH

Antenna/Coax Switches

Manual
Model: CS-201
Two position switch allows manual selection of one of two antennas with a single radio or one of 2 radios with a single antenna. Die cast aluminum case.

Power: 1.5 kW peak
1 kW continuous
Impedance: 50 ohm
Connectors: SO-239/UHF
Weight: 1Lb., .5 Kg.

Remote
Model: RCS
Operates on 12 VDC, single pole, double throw. Permits remote selection of two antennas with a single radio.

Power: 1 Kw.
Impedance: 48 ohm
Coil Current: 250 mA
Connectors: SO-239/UHF
Weight: 1 Lb., .5 Kg.

DC Power Onboard

Electrical Enclosures, Cable Entries

EX Series Electrical Enclosures

These enclosures provide functional and professional protective cases for wire connectors, terminal blocks, relays, solenoids, fuses, etc. The corrosion-resistant polycarbonate cases are ideal for marine applications, and the deep cavity design leaves room for securing wiring and components and making connections. In addition, instruments, switches and panels can be surface mounted to the cover, as there is ample space for rear projection and wiring.

The enclosures have gasketed covers with captured non-corrosive securing screws and offer various levels of water resistant integrity per installer option, depending on type of cable entry used (see below). Waterproof entries provide IP68 protection while the splash-proof entries are rated at IP54. Two Splash-proof entries are (model SPF-1) included with the enclosures.

EX-474

EX-1074

EX-373

Enclosure mounting points are located in the bottom of the box and caps for waterproof sealing of the mounting holes are provided. Also supplied is an internal base plate with stand-off mounts for securing components inside the enclosure.

Knock-outs in numerous sizes are positioned on all four sides of the enclosures, giving the installer many options on cable entry type and location for convenient, professional wiring. (See choices of Cable Entries below.)

Application example - EX-474 shown with digital instruments mounted in cover

Enclosure Model	Size L x W x D (inches)	Knock-Outs (size cross-reference below)
EX-373	7.09 x 3.7 x 3.19	14 ea. PG-16
EX-474	7.09 x 4.33 x 4.37	16 ea. PG-16, 4 ea. PG-21, 2 ea. PG-29
EX-1074	7.09 x 10.0 x 4.37	24 ea. PG-16, 8 ea. PG-21, 4 ea. PG-29

Cable Entries

Choose from waterproof or splash-proof enclosure cable entries in various sizes.

Waterproof Fittings

For complete waterproof assembly (IP68) use these compression fittings. Retaining nut secures fitting to enclosers, compression hub creates waterproof seal around wires. Various sizes are available in a wide range of cable diameters.

WPF-3   **WPF-2**   **WPF-1**

Model	Cable Diameter Range	Mounting Hole Diameter	EX Enclosure Knock-Out Size Ref.
WPF-1	.2"-.47"	.91" (22.5 mm)	PG-16
WPF-2	.35"-.71"	1.14" (29.0 mm)	PG-21
WPF-3	.55"-.98"	1.48" (37.5 mm)	PG-29

Splash-Proof Fittings

Flexible fittings snap into access holes on enclosures. Graduated diameter, cut-to-fit sizing accommodates a wide range of cable diameters. Can also function as a splash-proof plug on knocked-out enclosure access hole. Sold in pairs.

SPF-2   **SPF-1**

Graduated Diameter, Flexible Cut-to-fit Cable Entries

Model	Cable Diameter Range	Mounting Hole Diameter	EX Enclosure Knock-Out Size Ref.
SPF-1	.14"-.81"	.91" (22.5 mm)	PG-16
SPF-2	.14"-.99"	1.14" (29.0 mm)	PG-21

NEWMAR

DC Power Onboard