HEAVY DUTY NONMETALLIC CABLE RACK MOUNTING HARDWARE
DROP-IN ANCHOR INSTALLATION INFORMATION

ANCHOR LOAD CAPACITY:
1. Ultimate pull out capacity = 8,544 lbs, Ultimate shear capacity = 6,502 lbs.
2. Ultimate load capacity is based on 4,310 psi 3/4" crushed limestone aggregate concrete. Based on independent testing laboratory tests. Copies of reports are available upon request.
3. For load capacities in structural lightweight aggregate concrete contact Underground Devices, Inc.
4. Safe working loads for single installations under static loading should not exceed 25% of the ultimate load capacity.

GENERAL ANCHOR NOTES:
1. Caution: UDI drop-in anchors are designed to operate only when installed with UDI brand setting tools.
2. The use of a 24 to 40 ounce hammer is recommended for expanding UDI drop-in anchors.
3. Anchors should be installed with carbide tipped hammer drill bits made in accordance to ANSI B212.15-1994 specifications.
4. UDI drop-in anchors are tested to ASTM E488 and are approved and listed by agencies as required by local building codes.
5. UDI drop-in anchors are not recommended for use in new concrete which has not had sufficient time to cure.
6. UDI drop-in anchors are not recommended for use in light weight masonry such as block or brick.

HEX HEAD CAP SCREW NOTES:
1. UDI Type 316 stainless steel cap screws conform to ASTM 316F593G and ASME B18.2.1.
2. "316F593G" and the manufacturers identification number is stamped on the head of each Type 316 stainless steel screw.
3. The manufacturing lot number is marked on each carton of fasteners and has full traceability.
4. Upon request UDI will supply written certification that a given lot of fasteners conforms to the applicable specification.

INSTALLATION GUIDELINES:
1. Be sure the surface of the concrete wall is smooth, flat and plumb.
2. It is imperative that a fastener set is installed in every elongated stanchion hole.
3. Install each drop-in anchor as shown in the drawing above and as described below:
   A. Drill a 5/8" diameter hole 2" deep.
   B. Blow out hole.
   C. Drive anchor flush to 1/16" below surface of concrete.
   D. Expand anchor with FRT-112 setting tool. Anchor is properly set when shoulder of setting tool is flush with the top of anchor.
4. Install the flat washer and tighten the cap screw just enough to attain a snug fit. Avoid high screw torque which induces compressive stress.
5. After assembling the arms to the stanchion, tap the arm down with a light mallet blow. The light mallet blow will fully seat and lock arm in place.
6. Install optional HDL lock by placing the lock on the arm with the locking barbs up. Push the lock into the rectangular hole in the stanchion. When the stop flanges on the lock hit the stanchion, the lock will click into place.
7. For additional installation and technical information, please visit www.uddevices.com.

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>CATALOG NUMBER</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>1</td>
<td>FSRM-12</td>
<td>1/2-13 DROP-IN ANCHOR MATERIAL: 18-8 Stainless Steel</td>
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<tr>
<td>2</td>
<td>FFW-316-18-040</td>
<td>FLAT WASHER 0.56 ID X 1.25 OD X 0.078 THICK MATERIAL: 316 Stainless Steel</td>
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<tr>
<td>3</td>
<td>FHC-316-16-044</td>
<td>HEX HEAD CAP SCREW 1/2-13 X 1-3/8&quot; LONG MATERIAL: 316 Stainless Steel</td>
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<tr>
<td>4</td>
<td>FRT-112</td>
<td>SETTING TOOL (TO INSTALL FSRM-12 ANCHOR)</td>
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</tbody>
</table>
THE HEAVY DUTY NONMETALLIC CABLE RACK
COMPONENT PARTS

3HDS
4.9HDS
RA04
RA06
RA08
RA11
RA14
RA14LP
RA20
RA20LP
CR8-B
CR12-B
CR16-B
CR20-B
CR24-B
CR28-B
CR36-B
CR44-B
CR48-B

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CANADIAN PATENT Nos. 2,486,904 & 2,640,899