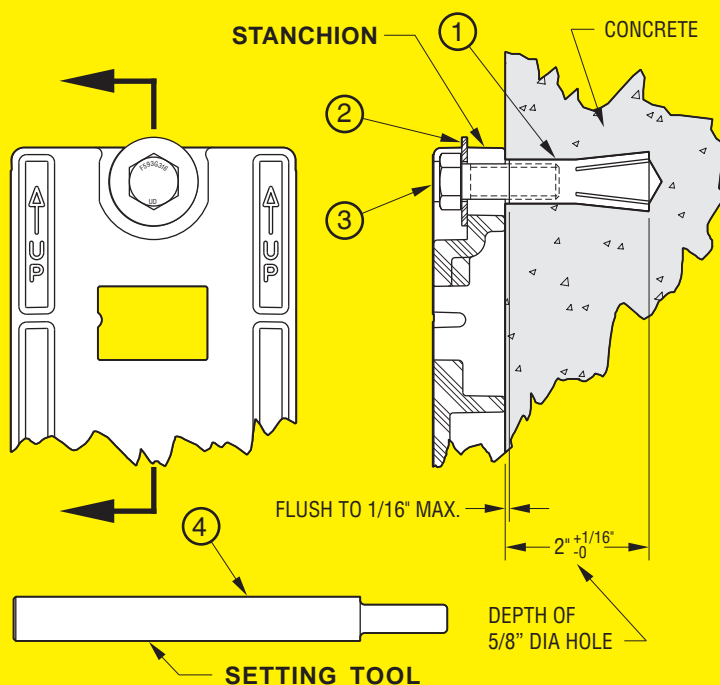


THE HEAVY DUTY NONMETALLIC CABLE RACK MOUNTING HARDWARE

(Drop-In Anchor Installation)



HARDWARE RECOMMENDED FOR SECURING THE HEAVY DUTY RACK STANCHION TO A FINISHED CONCRETE WALL			
ITEM NO.	CATALOG NUMBER	DESCRIPTION	CTN QTY
①	FSRM-12	1/2-13 DROP-IN ANCHOR Material: 303 Stainless Steel	40
②	FFW316-18-40	FLAT WASHER ID = .562, OD = 1.250, Thickness = .078 Material: 316 Stainless Steel	80
③	FHC316-16-044	1/2-13 x 1-3/8" LONG HEX HEAD CAP SCREW Material: 316 Stainless Steel	40
④	FRT-112	SETTING TOOL (Use To Install Catalog No. FSRM-12 Drop-In Anchor)	1

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 properly only when installed with UDI brand FRT setting tools.
2. The use of a 24 to 40 ounce hammer is recommended for expanding UDI drop-in anchors.
3. The use of carbide drill bits manufactured within ANSI B94.12-77 drill bit requirements is recommended for installation of UDI drop-in anchors.
4. UDI drop-in anchors are not recommended for use in lightweight masonry such as block or brick.
5. UDI drop-in anchors are not recommended for use in new concrete which has not had sufficient time to cure.
6. Use of core drills is not recommended to drill holes for UDI drop-in anchors.

HEX HEAD CAP SCREW NOTES:

1. Underground Devices, Inc. Type 316 cap screws conform to ASTM F593G316.
2. "F593G316" and the manufacturer's identification is stamped on the head of each cap screw.
3. The manufacturing lot number is marked on each carton of screws and has full traceability.
4. Upon request Underground Devices, Inc. will supply written certification that cap screws conform to ASTM F593G316.
5. Type 316 stainless steel cap screws are more corrosion resistant than 18-8 stainless steel.
6. Type 316 stainless steel cap screws are non-magnetic.

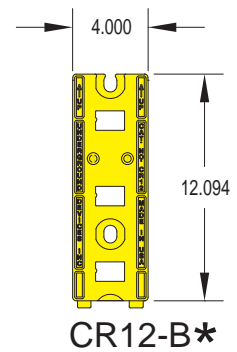
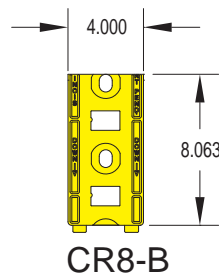
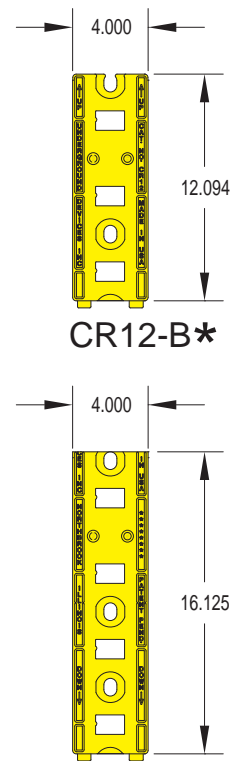
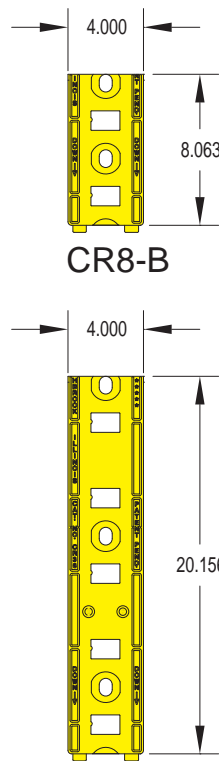
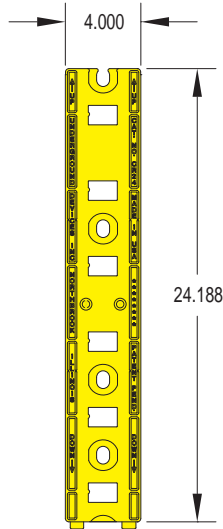
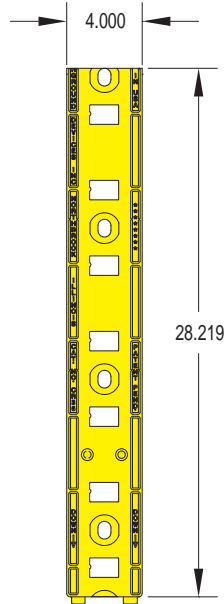
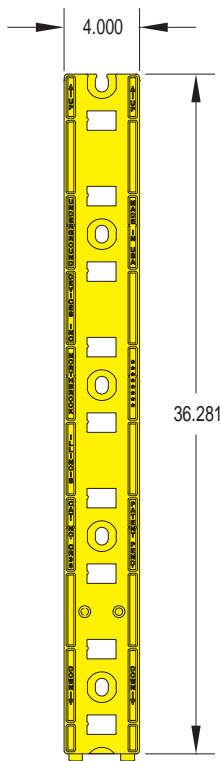
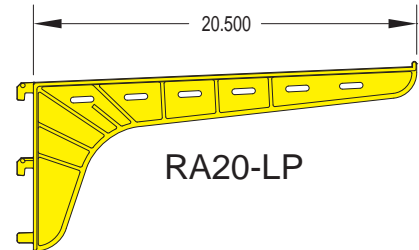
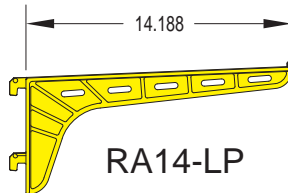
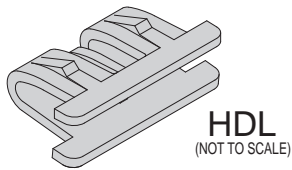
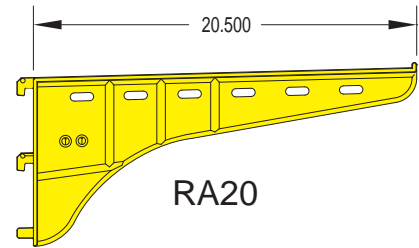
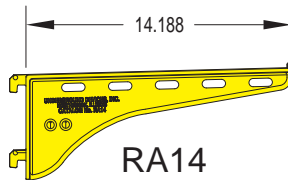
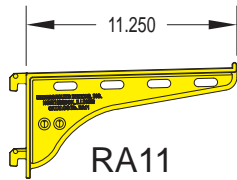
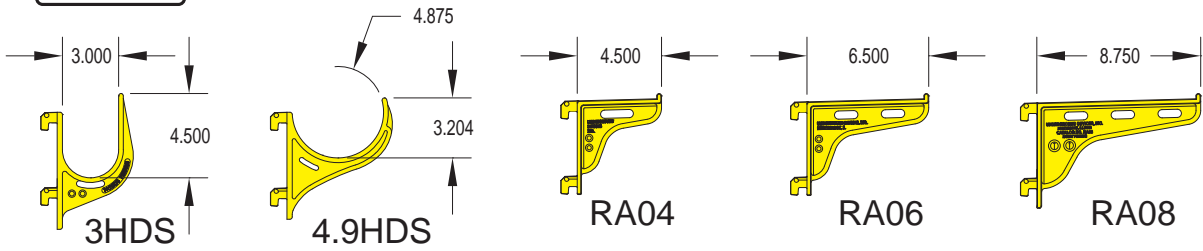
GENERAL INSTALLATION GUIDELINES

For the highest cable rack load capacity:

1. Be sure the surface of the concrete wall is smooth, flat and plumb.
2. Install one fastener 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.



THE HEAVY DUTY NONMETALLIC CABLE RACK COMPONENT PARTS



* MOST COMMONLY
USED STANCHIONS.

US PATENT 7,140,500
CANADIAN PATENTS
2,486,904 & 2,640,899