



**UNDERGROUND DEVICES**  
INCORPORATED



## ***Guide Specification***

### **SUBJECT: CABLE SADDLE RACK NONMETALLIC (POLYCARBONATE)**

**8.2 MANHOLE HARDWARE.** Cables shall be trained, organized and well supported on walls with NONMETALLIC saddle racks. The saddle racks shall consist of a one piece molding comprising deep-throated hooks and an integral wall mounting support. The saddle racks shall be attached to walls in accordance with the manufacturer's recommendations. Unless specified otherwise:

- A. At least two triple\* hook saddle racks shall be installed in parallel on each manhole wall.
- B. At least one spare hook shall be available at each cable saddle rack position for future cable installations.

**8.2.1. CABLE SADDLE RACK.** The cable saddle rack shall be 32"\* long, 3" wide, incorporate three\* cable saddles that are 5" deep with a 3"\* throat opening and four\* .55" wide X .81" long elongated mounting holes on 10" centers. The saddle rack shall be made from polycarbonate or a NONMETALLIC engineering material having equaled mechanical strength, thermal resistance, chemical resistance, dielectric strength and physical properties. Additionally, the material must have the following special characteristics:

- A. Material must be nonhalogenated; i.e., material can not contain any bromides or other elements that could generate highly toxic halogen gas.
- B. Material must comply with VO@.240 flammability requirements of UL94.

Cable Saddle Racks shall be Underground Devices, Inc. Catalog No. 3SR3\*



## 8.2.2. MOUNTING HARDWARE.

To secure Saddle Racks to concrete walls, use the following corrosion resistant hardware set in each Saddle Rack mounting hole.

**Drop-in anchors** shall have a 1/2-13 thread, a rated pullout working capacity of 2100 lbs., be made from 303 stainless steel and shall be Underground Devices, Inc. Catalog No. FSRM-12. A 316 stainless steel 1/2-13 x 1-1/4" long hex head cap screw (UDI Catalog No. FHC316-16-040) and a 316 stainless steel .562 ID x 1.250 OD x .078 thick flat washer (UDI Catalog No. FFW316-18-40) shall be used with each drop-in anchor.

### \*EDITING NOTE:

This guide specification is written around the 3SR3 SADDLE RACK. To specify other SADDLE RACK catalog numbers substitute applicable data from the following table for items asterisked in the body of this guide specification.

POLYCARBONATE SADDLE RACK CATALOG NUMBERS						
CATALOG NUMBER	2SR1	2SR2	2SR3	3SR1	3SR2	3SR3
NUMBER OF SADDLES	1	2	3	1	2	3
SADDLES THROAT OPENING	2"	2"	2"	3"	3"	3"
OVERALL LENGTH	11.88"	21.75"	32"	11.88"	21.75"	32"
NUMBER OF MOUNTING HOLES	2	3	4	2	3	4

### GENERAL NOTE:

1. Saddle Rack installation drawings that can be inserted into your engineering drawings and specifications are available in AutoCAD® format to qualified engineering companies and utilities.
2. Other hardware suggestions are available from Underground Devices engineering department upon request.