

FXL-SERIES POLE INSTALLATION

IMPORTANT NOTE: ZOMEWORKS CORP. ASSUMES NO LIABILITY FOR THE STRUCTURAL INTEGRITY OF THE POLE AND ITS INSTALLATION. SOIL AND WIND CONDITIONS VARY. IF THERE IS ANY DOUBT, CONSULT WITH A LOCAL STRUCTURAL ENGINEER.

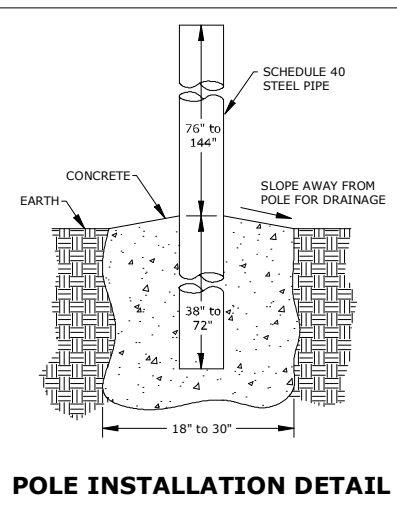
LOCATION CONSIDERATIONS:

For installations in sandy or muddy areas, for tall mounting poles, or for any mounting different from the situations described in these instructions, you will need to consult a local structural engineer. Large racks can receive significant wind loads, so a strong mounting pole and foundation is very important. The site should receive the maximum possible sunlight from AM to PM, in the winter and summer. Avoid shade from buildings and trees, including shade that may occur in other seasons. The height of the pole should result in adequate ground clearance for the mounted modules.

CAUTION – BE CAREFUL WORKING AROUND THE RACK AFTER INSTALLATION ON THE POLE. SOME OF THE STRUCTURAL MEMBERS MAY BE AT HEAD LEVEL.

- The customer provided pole is a 6” (nominal) schedule 40 steel pipe with a 6-5/8” OD (FXL-090 & FXL-120) or a 8” (nominal) schedule 40 steel pipe with a 8-5/8” OD (FXL-168-HD only). Pole can be black or galvanized steel pipe.
- **Note:** Heavier schedule steel pipe schedule 80, schedule 160 can be used as long as OD is 6-5/8” or 8-5/8”.
- The **MINIMUM** recommended hole depth is 1/3 the pole length, with 1/3 of the pole length in the ground, and 2/3 of the pole above the ground. **Example:** 5’ below grade, 10’ above grade, total of a 15’ pole.
- Center the pipe in the hole, and using a level, make sure pole is vertical.
- Fill the hole with concrete (3000-psi minimum strength), and check level of the pole.
- The pole may be filled with concrete for added strength (only to approximate ground level).
- Allow concrete and pole to set for a **MINIMUM** of 36 hours **BEFORE** installing the Rack.

Description	Model					
	FX3	FX4	FX6	FX90	FX120	FX168
Minimum Schedule 40 Steel Pipe	3" (3½" OD)	4" (4½" OD)	6" (6⅝" OD)	6" (6⅝" OD)	6" (6⅝" OD)	8" (8⅝" OD)
Min. Pole Height (Grade Level)	72"	72"	72"	108"	120"	144"
Min. Pole Depth (Below Grade)	36"	36"	36"	54"	60"	72"
Minimum Recommended hole diameter	12" dia., pipe set in concrete	14" dia., pipe set in concrete	20" dia., pipe set in concrete	24" dia., pipe set in concrete	24" dia., pipe set in concrete	30" dia., pipe set in concrete



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