

ZOMEWORKS UNIVERSAL TRACK RACK™ 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:

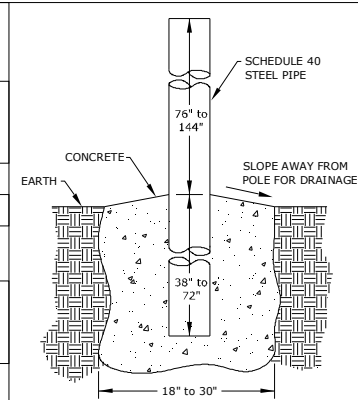
For installations in sandy or muddy areas, for tall mounting poles, or for any mounting different from the situations described in these instructions, you will need to consult a local structural engineer. Large TRACK RACKS™ can receive significant wind loads, so a strong mounting pole and foundation is very important also be aware of turbulence near buildings or sudden changes in terrain. 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.

- Customer provided poles are recommended to be a 2-1/2” (nominal) schedule 40 steel pipe with a 2-7/8” OD (UTR-020 only). 3” (nominal) schedule 40 steel pipe with a 3-1/2” OD (UTRK-040 only). 6” (nominal) schedule 40 steel pipe with a 6-5/8” OD (UTRF-64, UTRF-90 & UTRF-120) or a 8” (nominal) schedule 40 steel pipe with a 8-5/8” OD (UTRF-168 only).
- **Note:** Heavier schedule steel pipe schedule 80, schedule 160 can be used as long as the OD is the same as the recommended schedule 40 pipe”.
- Pole can be black or galvanized steel pipe
- Using the chart below, find the **MINIMUM** acceptable pole height above your finished grade. It is strongly recommended that the pole height be to our minimum specifications.
- The minimum recommended hole depth is 1/3 the pole length, 1/3 in the ground, 2/3 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 Track Rack™.

MOUNTING POLE RECOMMENDATIONS:

Description	Universal UTR-020	K-Series UTRK-040	F-Series UTRF64	F-Series UTRF90	F-Series UTRF120	F-Series UTRF168
Minimum Schedule 40 Steel Pipe	2.5" (2- $\frac{7}{8}$ " OD)	3" (3- $\frac{1}{2}$ " OD)	6" (6- $\frac{5}{8}$ " OD)	6" (6- $\frac{5}{8}$ " OD)	6" (6- $\frac{5}{8}$ " OD)	8" (8- $\frac{5}{8}$ " OD)
Min. Pole Height	76"	84"	96"	108"	120"	144"
Min. Pole Depth	38"	42"	48"	54"	60"	72"
Ground Clearance at 45° Tilt N/S & E/W	40"	29"	30"	21"	33"	50"
Minimum Recommended hole diameter	18" diameter Pipe set in concrete	18" diameter Pipe set in concrete	24" diameter Pipe set in concrete	24" diameter Pipe set in concrete	24" diameter Pipe set in concrete	30" diameter Pipe set in concrete
Rack Dimensions (up to but NOT to exceed Sq. Ft.)	67" EW/ 44" NS 20 Sq. Ft. of Module Area	124" EW/ 48" NS 40 Sq. Ft. of Module Area	124" EW 80" NS 64 Sq. Ft. of Module Area	146" EW 128" NS 90 Sq. Ft. of Module Area	146" EW 150" NS 120 Sq. Ft. of Module Area	169" EW 192" NS 168 Sq. Ft. of Module Area



POLE INSTALLATION DETAIL

**Zomeworks Corporation 1011 Sawmill Rd. NW, Albuquerque, NM 87104 USA
(505) 242-5354 / (800) 279-6342 / FAX (505) 243-5187**

E-mail zomework@zomeworks.com