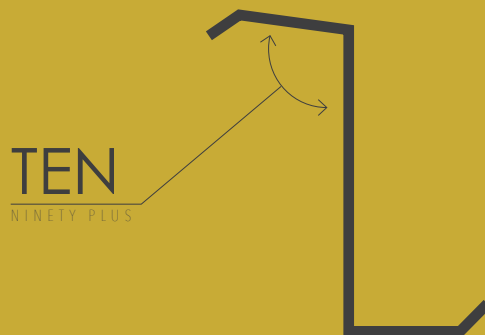




## SWIF *TEN* RACKING SYSTEM RECOMMENDED TOOL LIST



SWIF Rack LLC  
2850 Industrial Avenue  
Hubbard, OR 97032  
MAIN: (541) 490-0536  
INFO@SWIFrack.com  
SUPPORT@SWIFrack.com  
SALES@SWIFrack.com

# RECOMMENDED TOOL CHECKLIST

## TOOLS:

- Measuring Tape
- Drill and Impact Drivers
- Chalk Line
- String Line
- Magnetic Levels (*Minimum of 2*)
- 8' Box Level
- Pipe Cutting Tool (*Exact Pipecut 170 with Cermet 140 Thin Blade, Recommended*)
- Hole Saw Blade (*2", 2.5", 3" or 3.5" as needed to match SWIF Stanchion Pipe Leg I.D.*)
- Rubber Mallet
- Speed Square
- Pipe Pliers with Large V-Pads (*Minimum of 4, Strong Hand Tools Brand, Recommended*)
- Spud Wrench (*Minimum of 2*)
- Torque Wrench (*10 ft-lbs or 120 in-lbs*)
  - Cobalt Drill Bits
  - 7/32" (*Pre-drill holes for Self Drilling Bolt at SWIF-to-RAIL connection*)
  - 5/16" (*Pre-drill holes for installing the Midclamp and Endclamp Assemblies*)
- Drivers, Sockets and Wrenches
  - 3/8" Nut Driver (*For Self Drilling Bolt*)
  - 1/2" Deep Well Socket + Wrench (*For Midclamp and Endclamp Assembly Hardware*)
  - 3/4" Deep Well Socket + Wrench (*For Splice Bolt Assembly*)

## CONTRACTOR-PROVIDED MATERIALS:

- Shims
- SWIF-To-Roof fasteners (*Refer to the approved Project Permit Set*)
- Zinc Galvanizing Spray (*Recomend ZRC Brand*)
- Outdoor Rated Caulk (Clear) + Rags for Cleanup
- Materials + Tools need to perform structural modifications as required by the Engineer of Record (*Refer to the Approved Project Permit Set*)

## CONTRACTOR-FABRICATED JIGS:

- SWIF Foot Template (*Mark N/S + E/W axis for quick alignment. Hole in the center to align with rooftop layout marks.*)
- Plywood Spacer Blocks (*Approximately 2"x4"x 3/4" - 1-1/4" to establish the gap between the SWIF Stanchion Cap + RAIL*)
- Module Spacing Jigs (*Midclamps Bolted to 3' extenders*)
- 5'x5' Stack Skirts for Capturing Debris During Cutting and Drilling Processes

## OTHER USEFUL TOOLS FOR INSTALL, ROOF CLEANING AND PROTECTION:

- Shop Vacuum
- Brooms
- Magnetic Sweeper
- Step-Ladders + Wheeled Stools
- Heavy-Duty Wagon Trucks Suitable for Rooftop Use