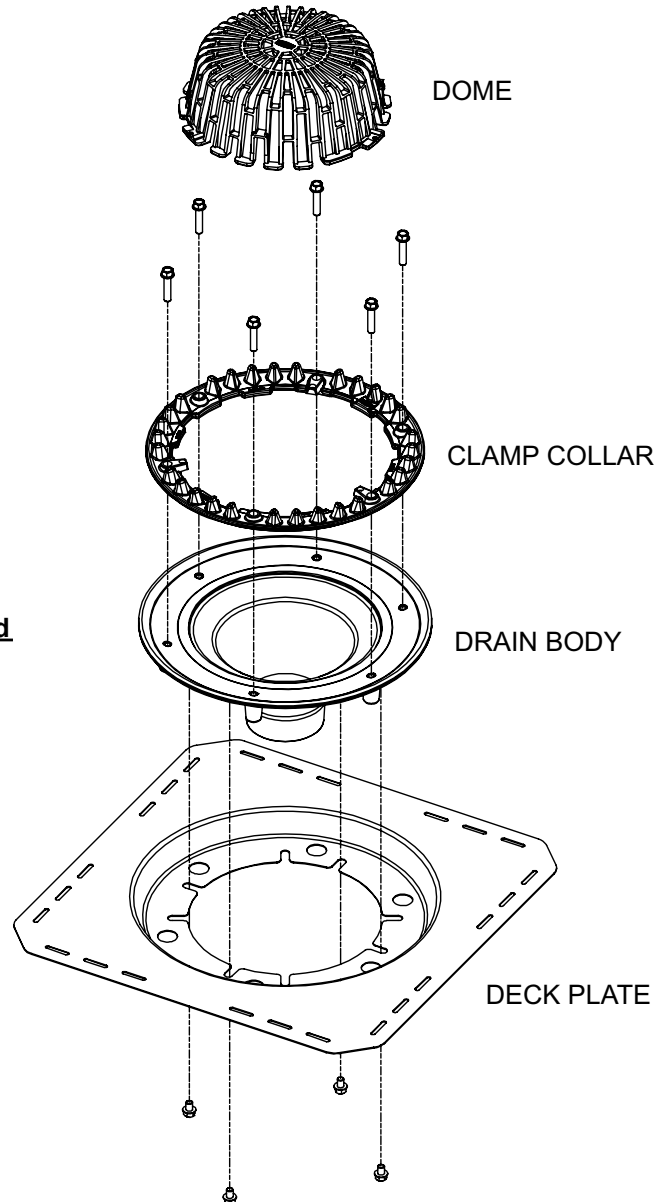




# Z100F-DP FLOFORCE™ TOP-SET® DECK PLATE INSTALLATION INSTRUCTIONS

Design and Dimensional Data (inches and [ mm ]) are Subject to Manufacturing Tolerances and Change Without Notice

1. Create a square opening in the roof deck to receive the drain assembly. Opening size should be 18 x 18 [457 x 457] min for 2 thru 4 [51 thru 102] and 22 x 22 [559 x 559] min for 6 thru 8 [152 thru 203].
2. Place the drain body on a flat surface upside down with the outlet facing upward.
3. Orient the deck plate so that the circular depression is facing upwards.
4. Position the plate onto the underside of the body, such that the bosses on the underside of the body align with the clearance holes in the plate, and the tappings align with the appropriate slots in the plate.
5. Using hardware provided, secure the drain body to the plate by threading bolts into the underside of the drain body.
6. Turn the body / plate assembly over and place it into the precut opening in the roof, aligning the outer deck plate attachment slots in the appropriate positions.
7. Fasten the assembly to the roof deck with self-tapping screws (provided by others).
8. Install roof insulation (as required) and secure a waterproofing membrane to the roof drain body with the clamping collar.
  - a. Apply the water proofing membrane fully over the roof drain.
  - b. Locate the clamping collar tappings in the top surface of the drain body and create bolt clearance holes in the membrane at corresponding locations.
  - c. Using appropriate manufacturer's sealant seal the membrane to the drain body per manufacturer's instructions.
  - d. Align the clamping collar bolt holes with the drain body tappings and set the collar onto the membrane and body.
  - e. Insert clamping collar hardware through the holes and hand tighten down in a star pattern progressively.
  - f. If reinforced membranes are used or the membrane is suspended above drain, and hardware is used to pull membrane down to drain body, hardware must be tightened in a progressive cross-body pattern ( See Form #RD139 ).  
**Warning: Forcing membrane down to drain body using only two opposite bolts can break the clamping collar and is not covered under product warranty.**
  - g. Tighten the bolts securely in a progressive cross-body pattern to 25 ft-lbs maximum torque. **Warning: Over-torque of the bolts can cause damage to the clamping collar and/or drain body, and compromise sealing of the membrane. DO NOT use an impact driver to tighten down the hardware.**
9. Cut the membrane as per the roof membrane manufacturer's requirements in the center of the clamping collar. Continue to cut outward until the precast cutting edge in the drain body is located. Once precast edge is found, cut out circular section of membrane by following the cutting edge. **Warning: Failure to properly cut the membrane along the prescribed cut edge of the drain body may result in decreased flow performance of the roof drain.**
10. Align the dome inside of the clamping collar and rotate clockwise until dome is engaged and secured.



Note: For additional drain installation instructions, reference Zurn document Form #RD139.

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