

# SELF ALIGNING UNIVERSAL BALL DOME FITTINGS

The Self Aligning Universal Ball Dome fittings are designed for use only on tank domes. **DO NOT USE ON THE SIDEWALL OF THE TANK!** There are two styles of Ball Dome fittings: Bulkhead Fitting Style and Bolted Flange Style.

1. **Do not stand on tank dome when installing dome fittings.** Use portable ladders, scaffolding, or personnel lifts with proper fall protection.
2. Install the bulkhead fitting or flange portion of the ball dome fitting according to instructions found on page 13 or page 14.
3. Thread piping into the threaded ball of the fitting. Use thread sealant.
4. Adjust vertical alignment:
  - a. Gently loosen the ball retainer ring located on top of the fitting ball using a large blunt screw driver or punch and hammer.
  - b. Adjust piping to desired angle.
  - c. Tighten retainer ring with blunt screw driver or punch and hammer taking care not to over-tighten!

**WARNING:** Do not stand or work on top of tank. The tank surfaces are flexible and slippery and could cause a dangerous fall to occur. There is no weight or load rating for the domes of tanks.



BHF Style

UBD size (BHF Style)	Hole saw size
1"	3 1/4"
2"	4 1/2"
3"	5 3/4"

UBD size (Flange Style)	Hole saw size
2"	3 1/2"
3"	4 1/2"
4"	5 3/4"



Flange Style

