

This document is intended to give you some general guidelines for mooring inflatable platforms and Aquaparks, and is NOT a 100% failsafe guaranty for a solid mooring. What you use for mooring depends a lot on the conditions in your particular area and your individual needs. For example, anchoring an Airport platform for the day is vastly different than mooring an Aquapark for the season. There are a lot of factors to consider. Consider everything you would if you were mooring a boat:

## Things to Consider:

1. Water depth
2. Water fluctuation (tide, current and other variations must be considered).
2. Scope: length of rope or chain compared to depth. **Longer is BETTER holding.**
3. Bottom composition (rocks, gravel, sand, weeds, etc.) **Weeds and looser soil are MORE DIFFICULT holding.**
4. Bottom slope (gradual, moderate or steep?) **Steeper is MORE DIFFICULT holding.**
5. Swing (how much room is there?) **Room allows longer scope for BETTER holding.**
6. Water conditions (how much swell is there when the wind blows?) **More swell makes MORE DIFFICULT holding.**
7. What are you mooring, and for how long? **Heavier and larger systems need much GREATER holding.**

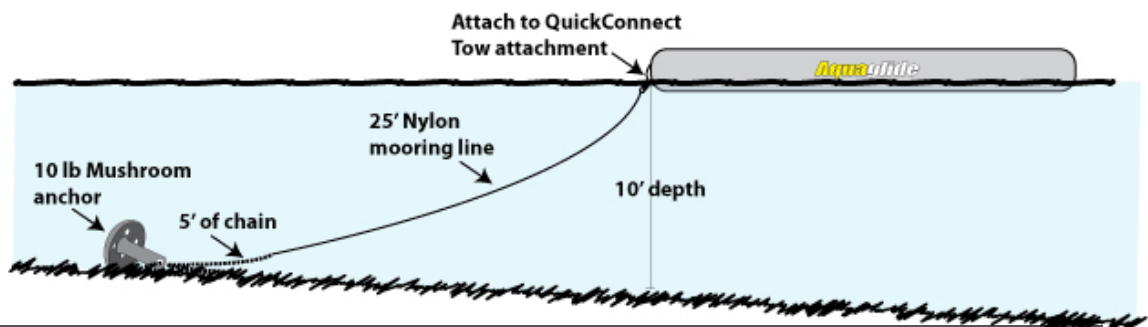
## Short Term

For light duty, day-use mooring of smaller systems (i.e. one Airport platform) most people have good luck with something like a 10-14 lb mushroom anchor on a long line. Other anchors (like the Danforth type) offer much better holding, but require more care in handling due to sharp points that can damage inflatable items. Depending on the other factors in **Things to consider**, a nylon mooring line with plenty of scope is usually adequate. Scope should be a minimum of 3:1, but up to 10:1 is better (for 10ft of depth, 3:1 scope = 30 ft of mooring line, AT LEAST).

Mushroom Anchor (Day Use)



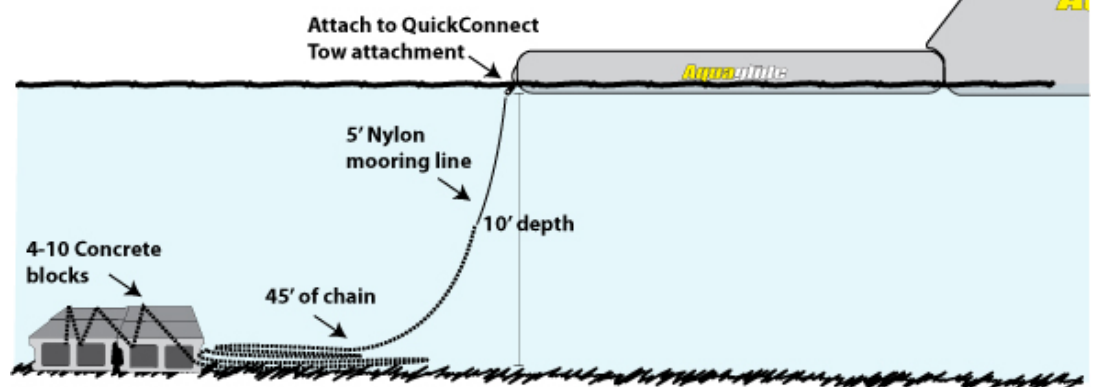
### Minimum Mooring for Day-use Platform



## Long Term

For a permanent mooring many people use between 4-10 large concrete blocks wrapped with chain. Use a short length of nylon mooring line at the top so swimmers don't have to touch the chain. If the bottom is slippery or sloping significantly add weight and/ or scope to the system. Likewise if the water is rough and for larger systems, add weight and/or scope. Be sure to connect the mooring to your platform at a single point, only to the black plastic QuickConnect tow fitting, as this is where the platform is heavily reinforced.

### Minimum Mooring for Long-Term



Scope for long-term mooring should be at least 5:1, but up to 10:1 is better (for 10ft of depth, 5:1 scope = 50 ft of chain/ rope between the blocks and the surface). Using chain will help keep the platform over the mooring.