



# Radial Gate Ordering Guide

*Completing this questionnaire will help Waterman understand your needs for a custom radial gate.*

## Dimensions

How wide is the channel being controlled ? \_\_\_\_\_

How tall does the gate need to be ? \_\_\_\_\_

## Channel Type

Is this new construction or an existing site ? \_\_\_\_\_

Is the channel open or is the gate intended to control an aperture (breast wall) ? \_\_\_\_\_

If an open channel, what is the maximum water depth that will flow over the top of the closed gate ? \_\_\_\_\_

If an aperture is being controlled, what is the maximum water depth that will be against the closed gate ? \_\_\_\_\_

## Mounting

Are the side and invert sills embedded or surface mounted ? \_\_\_\_\_

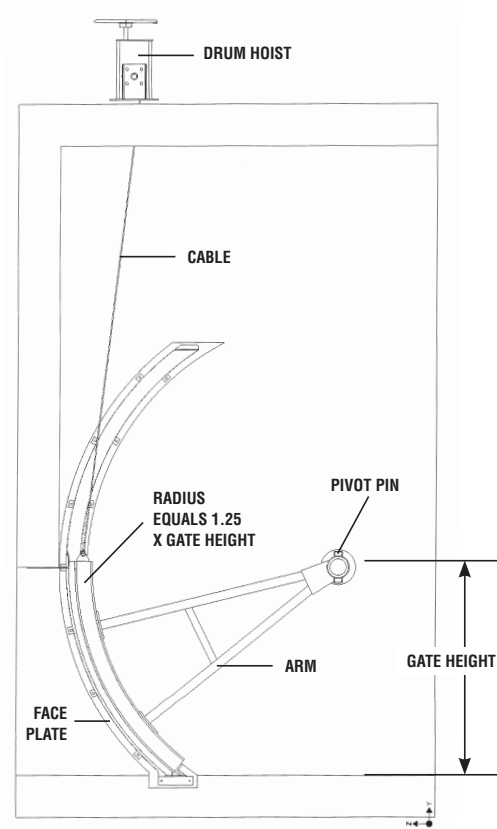
Is the pivot point for the gate to be level with the top of the gate, or otherwise ? \_\_\_\_\_

Is the radius of the gate going to be 1.25 times the height of the gate (Waterman standard design) or otherwise ? \_\_\_\_\_

What pivot mechanism mount is preferred ?

- Embedded
- Wall Mount Brackets
- Cross-Channel Mounted Brackets

What L/R ratio is preferred for the pivot arms ?  
\_\_\_ 120 \_\_\_ 150 \_\_\_ Other: \_\_\_\_\_



## Material

Should the gate be made from mild steel or passivated stainless steel ? \_\_\_\_\_

Cover deflection desired ? (standard is 1/360 of width span) \_\_\_\_\_

Will the gate be subject to an ice load ? If yes, what is the ice load pressure on the gate in lbs/foot ? \_\_\_\_\_

## Operator

If motor-driven, what voltage and phase available ? \_\_\_\_\_

Preferred brand of operator ? \_\_\_\_\_

Hoist speed requirement ? \_\_\_\_\_

Does the hoist mechanism need to be installed remotely ? (non-standard location) \_\_\_\_\_

