



Tilting Weir Gate Ordering Guide

Completing this questionnaire will help Waterman understand your needs for a Tilting Weir gate.

Dimensions

How wide is the channel being controlled ? _____

How tall does the gate need to be ? _____

Mounting and Operating Requirements

Is this new construction or an existing site ? _____

Are the side sills going to be embedded or surface mounted ? _____

Is the invert / piano hinge mount going to be on a raised portion of the structure, a raised fabricated component or will a cavity be provided for the fully open gate to recess into the floor of the structure ? _____

What is the gate angle above horizontal that shall be considered the fully raised / fully closed position for the gate? (typical is between 60 and 70 degrees) _____

Are vacuum break vents to modify back draft when raising the gate required ? _____

Are there any potential obstructions in the gate travel path ? _____

Material

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

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

Hoist and Operator

What location is required / available for the hoist mechanism relative to the gate hinge point both horizontally and vertically ? _____

Should the wire ropes for gate operation be placed outside of the main water flow to protect fish ? (these can be placed behind the sills) _____

Will the hoist mechanism be operated manually, electrically or by portable operator? _____

If motor-driven, what voltage and phase available (3 phase best for large gates) ? _____

Preferred brand of operator ? _____

Closing speed requirement / allowance ? _____

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

Is a DC / solar operator required due to a rural location ? _____