

## ROLLER GATES



Designed to control flow through large waterway openings

### Quality construction

Consists of a fabricated steel slide with cast iron rollers and rubber seals

### Minimum friction

Lower friction resistance in opening and closing than sliding surfaces

### Versatile

Range of sizes, finishes, overflow or breastwall style

## HEAVY-DUTY FABRICATED SLIDE GATES



Designed for exceptional low leakage in corrosive environments

### Stainless steel

Frame, slide, stem and fasteners are stainless steel type 304 and 316

### Low leakage seal

Ultra-high molecular weight polymer molded seal provides low leakage and ensures smooth operation

## CAST IRON SLIDE GATES



Control water flow through openings for seating or unseating head

### Precision seating face

Machined bronze or stainless surfaces provide a precision seating face, low leakage rate and consistent sealing performance

### Range of openings

Square, rectangular and round flange openings available

## CAST IRON FLAP GATES



Act as natural skimmers of debris such as branches, logs and trash

### Open and close automatically

Allows discharge and prevents backflow without mechanical lifting devices

### Double hinge action

Ensures proper seating of the flap against the frame

### Adjustable top pivot points

Optimizes gate action and sealing

## CAST IRON SLIDE GATES – MEDIUM DUTY



High-quality, cost-effective gates for low head applications

### One-piece design

Consists of a flat-back cast iron seat, slide and crossbar, attached to a yoke

### Robust cast iron

Resists warping, deflection under head and damage when closing on debris

## FLAP GATES



Offer a simple way to prevent fluid from returning into pipes or openings

### Corrosion resistant

Available in stainless steel and aluminum

### Flat-back seats

Can be attached to wall timbles, new concrete headwalls, existing walls or pipe flanges

## FABRICATED SLIDE GATES



Designed for low leakage requirements in corrosive environments

### Rugged frame

Stainless steel type 304 or 316 frame

### Water tight

Furnished with rubber seals to improve water tightness

## OVERSHOT GATES



Designed for use in open-channel flows where up-stream level control is required

### Unique design

Includes bottom-hinged design that enables the gate to fully open

### Environmentally friendly

Fish-friendly passage to migrate upstream

DRAINAGE SOLUTIONS AND WATER TREATMENT /

# WATER CONTROL PRODUCTS



HIGH-QUALITY WATER CONTROL GATES FOR WASTEWATER AND WATER TREATMENT PLANTS, IRRIGATION AND FLOOD CONTROL

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Armtec is an industry leader in water control gates for wastewater treatment plants, water treatment plants, and irrigation and flood control projects. Thousands of customers globally can attest to the high quality of Armtec's gate products.

**Premium quality**

Available in cast iron, fabricated aluminum, fabricated stainless steel

**Wide range of products, sizes and shapes**

Includes flap gates, cast iron slide gates, fabricated aluminum and stainless steel slide gates, overshot gates, radial gates and roller gates

**Custom design**

Standard configurations and custom design available

**Options**

Manual and power operating systems, stems, accessories

**TYPICAL APPLICATIONS**

- Water treatment plants
- Wastewater treatment plants
- Irrigation canals
- Flood control
- Small hydroelectric plants
- Industrial treatment facilities

“Their knowledgeable representatives went to great lengths to ensure total project satisfaction.”

**Robert Hardman**  
General Foreman  
Balzer's Canada Inc.

**HEADWALLS**



Durable end-finishes for drainage and stormwater systems

**Durable**

Made from precast concrete, composite reinforced polymer or steel sheeting

**Versatile**

Can be used with multiple pipe structures

**Fast and easy installation**

Prefabricated or easily constructed on-site

**PRO-ECO-LITE HEADWALLS**



Combines the lightweight properties of plastic with the strength of concrete

**Lightweight**

Typically 10% of the weight of concrete headwalls, ideal for weak subgrades

**Fast and easy installation**

No grout system, easily moved by hand or on-site equipment

**Environmental benefits**

Fish-friendly, non-leaching materials

**FISH LADDERS**



An environmental solution to enable fish to get upstream for spawning

**Minimizes ecosystem disruptions**

Used when urban development encroaches on the natural habitat

## LIFTS AND LIFT ACCESSORIES



Wide range of lifting devices for water control gates

### Variety

From handwheel lifts to electrically operated units with torque and limit switches or hydraulically actuated cylinders

### Quality

Enclosed cast iron housings, mechanical seats, precision-cut gears, anti-friction ball or roller bearings

## STOP LOGS



Easy and economical way to control flow in a channel

### Easy to handle

Lightweight, aluminum, stainless steel or carbon steel construction

### Stackable

Log heights in 152mm increments or custom heights, can be stacked for equipment isolation

### Versatile sizing

Custom widths to suit project needs

## WALL THIMBLES



Separate cast piece forms an opening in a wall structure for mounting gates

### Simplifies gate installation

Thimble is positioned into the wall before the concrete is poured, eliminates need for cast-in-place anchor bolts

### Minimizes distortion

Provides a rigid, accurate mounting surface for the gate

### Easy gate removal

Gates can be easily removed and transferred for cleaning and painting

## ALUMINUM HAND-PULL GATES



An economical way to divert water in rectangular channels

### Corrosion resistant

Aluminum frame, slide and reinforcing components

### Embedded and surface-mounted frames

Extruded metal section embeds in side walls or is mounted on the face of the rectangular flume or conduit

## BULK HEAD GATES



Large steel gates shut off water flow to permit emergency maintenance or equipment repairs

### Tight leakage control

Rubber seals around the perimeter of the gate control leakage

### Versatile

Can be used in multiple locations and removed completely for storage

### Stackable

Stacking gates permits flow control for larger openings

## RADIAL (TAINTOR) GATES



Lightweight, economical gate designed for wide, unobstructed waterways

### Minimal hoist effort required

Can be opened and closed with minimal effort

### Quality construction

Consists of a curved gate leaf, rubber seals, support arms, seal rubbing embedments and embedded pivot points

### Selection

Overflow and breastwall types available, wide range of sizes

## RECTANGULAR BUTTERFLY GATES



Used to control flow in open channels and closed conduits

### Compact design

Requires less than one-half of the overhead operating clearance needed for a slide gate

### Easy to operate

90° turn to go from fully open to fully closed

### Simple installation

Jack bolt mounting, can be installed after the channel is completed

## WEIR GATES



Used for flow control in applications where water flows over the slide

### Specialized application

Enables flow to be measured and ensures a constant upstream water elevation

### Stainless steel

High corrosion and erosion resistance, can be made in many shapes

### Self-adjusting seals

Provide low leakage rate and consistent sealing performance