## **C-10 CANAL GATE**

This gate is designed for use on canal and pipeline systems which operate at low "heads" and where a moderately priced gate is desired. Typical installations include: farm turnouts, control of industrial wastes, drainage and for tide control.

Construction is of grey iron with an all-bolted steel frame with  $\frac{1}{4}$ " minimum thickness. The standard stem is of a special leaded steel which resists corrosion. The stem is operated at the structural frame top by a heavy cast-bronze lift nut and a cast iron wheel.

Adjustable cast iron wedge blocks, held securely in place by two machine bolts, assure a dependable seating closure with a practical degree of water tightness. The cast iron seats are machined or ground. A solid rim "easy-grip" handwheel is standard.

Optional materials include: bronze seats; stainless steel structural frame and bolts; stainless steel or brass stems; and special epoxy, coal tar or ASTM galvanized coatings.

When desired, design variation in stem diameter, pitch and thread rotation are available to match existing equipment. Extended stems, special lifts, oil seals, stem guides and limit nuts are a few of the optional items available for use with these gates.

Various sizes and options are available.

Special materials available include: "Ni-Resist" iron castings, stainless steel structural frame and assembly bolts; total galvanizing per ASTM A-123; coal tar, and epoxy coatings.

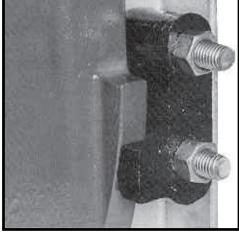
Recommended Maximum Seating Heads		
6" - 24"	23 foot head	
30" - 36"	11 foot head	
42" - 48"	9 foot head	
54" - 72"	6 foot head	
Recommended Maximum Unseating Head - 0		



Bronze lift nut furnished as standard on all Waterman Canal Gates.

Frame Types for Various Installation Requirements		
F	Flatback for headwall mounting	
SB	Spigotback for annular or recor spiral corrugated pipe.	
CIP	For solvent cement mounting over plastic pipe	
С	With galvanized steel tapered setting collar for con-	
	crete or asbestos cement pipe.	
SA	Spigotback for annular corrugated pipe.	
TYPE 4	For mounting in plastic pipe utilizing special two part	
	epoxy.	

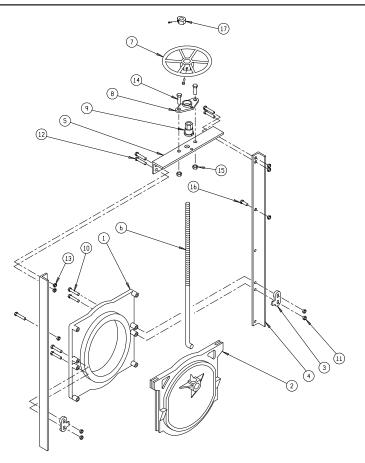
Features  $\frac{1}{4}$ " minimum thickness. Compare to competitor's gates.



Waterman Model C-10 wedging system offers two point adjustment and larger wedging surfaces for a more positive contact.

## C-10 CANAL GATE PARTS

PARTS LIST			
No.	Name	Qty.	
1	Frame	1	
2	Cover	1	
3	Wedge (R&L)	2	
4	Guide Rail (R&L)	2	
5	Headrail	1	
6	Stem	1	
7	Handwheel	1	
8	Thrust Collar	1	
9	Lift Nut	1	
10	Wedge Bolt	4	
11	Wedge Nut	4	
12	Frame Bolt	4	
13	Frame Nut	4	
14	Collar Bolt	2	
15	Collar Nut	2	
16	Stop Bolt & Nut	1	
17	Limit Nut (optional) *	1	
* Wit	* With set screw		



## **CL-10 CANAL GATE**

Waterman CL-10 Canal Gates are identical to our model C-10 Gates with the exception of the cast iron cover (slide) which is of a flat plate type construction with ribs reinforcing its face, to withstand the maximum heads as noted for our C-10 gates. This gate cover also features a square bottom design, which allows a more open "clog-free" flow at points of initial opening. The seat being only slightly raised above the cover plate surface helps prevent trash from collecting behind the cover which can cause difficulty in operation.

Available with threaded thrust nut for true NRS application. All parts are interchangeable with our Standard C-10 gate. Available in a variety of sizes.



Shown with optional threaded thrust nut for true non-rising stem operation



Flat Plate Type, Square Bottom

CL-10

