



GATE DIMENSIONS IN INCHES

SIZE DIA.	B	C	D	F	G	H	J	K	L	M	N
4	2 1/4	6 5/16	8 1/2	3/8	4 1/8	2 1/4	5 1/8	5 5/8	5	1/2	1 3/8
6	2 13/16	8 1/16	10	3/8	4 1/8	2 1/4	7 1/8	7 9/16	5	1/2	1 3/8
8	3 1/2	10	12	3/8	4 1/4	2 3/16	9 1/8	9 5/8	5	1/2	1 3/8
10	4 3/4	12 1/4	14 1/2	3/8	4 1/2	2 1/4	11 3/16	11 5/8	5	1/2	1 3/8
12	5 1/8	15	17 1/8	3/8	4 1/2	2 1/8	13 1/8	13 5/8	5	1/2	1 3/8
14	5 15/16	16 7/8	19 5/8	3/8	4 3/4	2 1/8	15 1/16	15 5/8	5	1/2	1 3/8
15	6 1/4	18 1/8	20	3/8	5	2 1/4	16	16 3/4	5	1/2	1 3/8
16	6 5/8	18 11/16	21 5/8	7/16	5	2 3/8	17	17 3/4	5	1/2	1 3/8
18	7 7/16	21	24 3/8	7/16	5 3/8	2 1/8	19	19 3/4	5	1/2	1 3/8
20	8 1/4	23 9/16	26 1/2	1/2	6	2 1/4	21 1/8	21 3/4	5	5/8	1 5/8
21	8 9/16	24 1/8	27 1/2	1/2	7	2 1/4	22	22 3/4	5	5/8	1 5/8
24	9 11/16	27 1/2	32	1/2	7 5/8	2 1/4	25	26 1/2	5	5/8	1 5/8
30	12	34	39 5/8	3/4	6 1/2	2 3/16	31	32	2 1/2	3/4	2
36	14 4/8	40 5/8	46	3/4	8	2 1/8	37	38	2 1/2	3/4	2
42	16 11/16	47 3/8	55 3/4	3/4	8	2 1/2	43 1/8	44 1/8	2 1/2	3/4	2
48	19 5/16	54 1/2	63 3/8	3/4	9 1/8	3	49 7/8	51	2 1/2	3/4	2
54	22 1/8	60 1/4	71	7/8	9 3/4	3	55 1/4	57	2 1/2	1	2 3/4
60	24 13/16	72	80 5/8	1	10 3/4	3	61 1/4	62 3/4	2 1/2	1	2 3/4
72	29	83	95 1/2	1	11 1/2	3 1/8	74 3/4	76 1/2	2 1/2	1	2 3/4

DEGREES

1. For use with sealing heads to 10 feet
2. Not recommended for pump discharge use
3. Add grout pad thickness to anchor bolt projection
4. Applies to spigotback gate only. Spigot, shown in phantom, is optional
5. If grout pad mounting is used, add grout thickness to dimension

ST  
REGIS  
CULVERT INC.

# F-10 LIGHT DUTY DRAINAGE GATE

- CAST IRON CONSTRUCTION
- AUTOMATIC OPERATION
- F-10sb SPIGOTBACK FOR MOUNTING TO CORRUGATED PIPE
- F-10f FLATBACK FOR WALL MOUNTING
- F-10c FOR MOUNTING TO CONCRETE PIPE
- 10 FOOT SEATING HEAD MAXIMUM

- Cast Iron Frame and Cover
- Galvanized Steel Angle Links
- Bronze Bushings
- Built-in "Safety-Bar"
- 5 ° seat on 6" - 24" sizes
- 2 1/2 ° seat on 30" - 72" sizes
- Steel Bolts
- Shopcoat Paint

The Waterman Red Top Drainage Gate has been designed as a competitive flap gate for use with concrete pipe, headwalls, and corrugated metal pipe with up to a ten foot seating head. The frame and cover are of heavy duty arched cast iron design. Steel angle links have been used to absorb unbalanced side shock, and are balance-pivoted on bronze bushings.

A 5 ° seat on sizes 6" through 24" and 2 1/2 degree seat on sizes 30" through 72" eliminates the need for special pipe cuts or sections, and prevents the gate from standing open due to slight pipe sagging or settling. An innovation in the cover provides each gate with a safety to prevent jamming, without additional cost.

Gates are available with special stainless steel or brass links and bolts as well as bronze seating faces. This gate has been extensively used on federal, state and municipal projects for drainage, waste line, sewage treatment, flood control and irrigation systems. A free outflow with a practical sealing against backflow combine with maintenance-free operation to assure years of satisfactory use.

This gate is not recommended for pump discharge or other applications where violent slamming may occur.

Heavy-duty links and bushings are available when severe operating conditions are anticipated.



MAXIMUM 10 FOOT SEATING HEAD

