



SERIES 7600 FABRICATED CANAL GATE

TECHNICAL DATA SHEET



Series 7600 Canal Gate

Features

- Fabricated aluminum material is light-weight and corrosion resistant.
- Tapered slide and seat provide wedge-type closure.
- Easily mounts to headwalls and pipe, or can be embedded in concrete.
- J-seals provide near water tight closure.
- Rising stem is roll-threaded to provide ease of operation and extended stem life.
- Smooth operating handwheel lifts are standard. Gear operated lifts and bearing lifts are optional, or used when friction loads require them.
- Sizes 12" to 72".

Material Specifications

Description	Material	Specification
Frame, Slide and Reinforcements	Aluminum	ASTM B209, Alloy 6061 or ASTM B308, Alloy 6061
Stem	Stainless Steel	ASTM A276, Type 304
Fasteners	Stainless Steel	ASTM F593/F594, Alloy Group I
Rubber	Neoprene	ASTM D2000 Grade 1BEG25
Guides	Ultra High Molecular Weight (UHMW) Polymer	ASTM D4020

Recommended Maximum Seating Heads*

8" - 30"	30 Feet
36" - 42"	20 Feet
48" - 60"	15 Feet
66" - 84"	10 Feet

* These recommendations are based upon recent design studies and modifications of this gate and upon years of installation evaluations.

Application

The Series 7600 Fabricated Canal Gate is designed for use in water control applications where corrosion resistance is a primary concern.

SPECIFICATIONS

SERIES 7600 FABRICATED CANAL GATE

Installation

The Series 7600 Canal Gate can be installed three ways:

1. Flat back anchored to a concrete wall.
2. Spigot back mounted onto pipe.
3. Embedded in concrete.

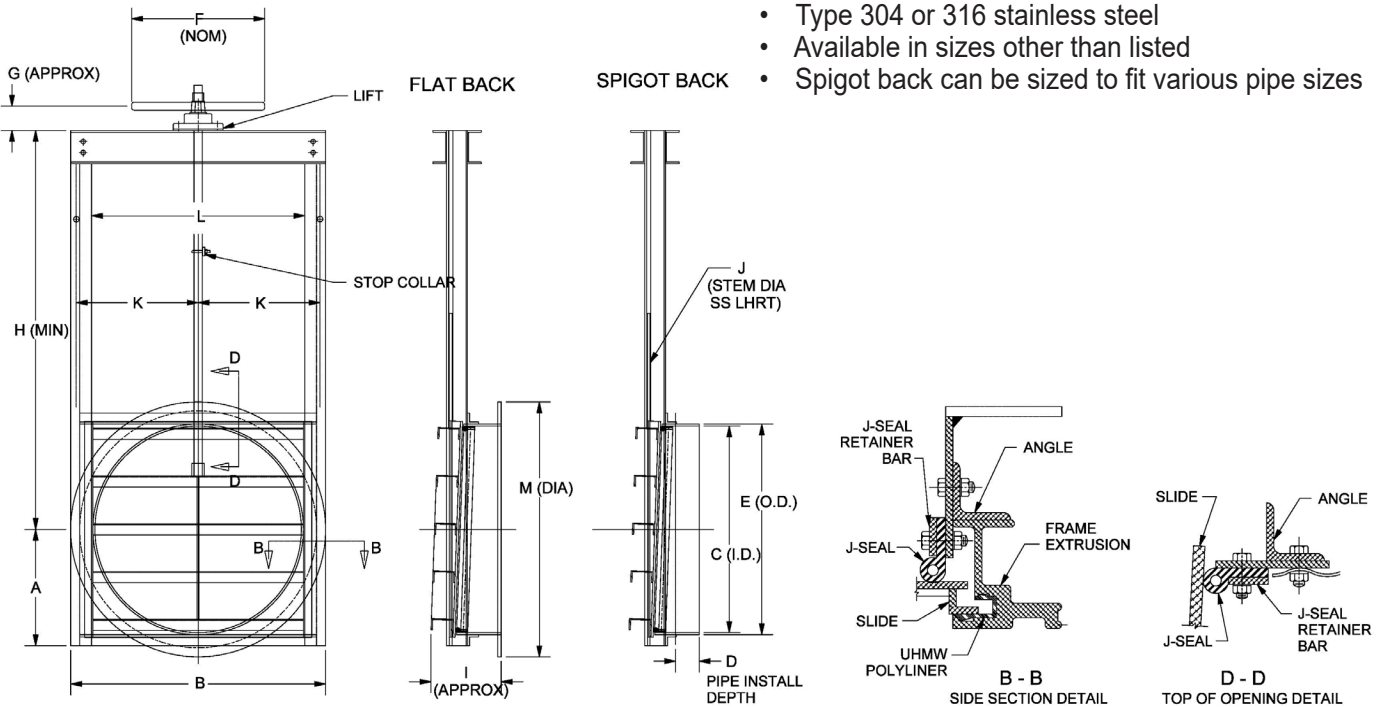
Pressure Rating

Seating Head.....up to 30 ft.

Unseating Head.....up to 20 ft.

Options

- Gear operated or bearing lift
- Motor operators
- Flat back or spigot back
- Type 304 or 316 stainless steel
- Available in sizes other than listed
- Spigot back can be sized to fit various pipe sizes



Dimensional Information (inches)

Gate Size (Inches)	Dimensions (Inches)														Anchor Bolt Data		
	A	B	C	D*	E	F	G	H**	I	J	K	L	M	Lift	Qty.	Size	Proj.
12	9½	21½	13¼	2⅝	13¾	14	4	30	9⅛	1⅛	9⅝	14	19	H1B-14	4	½ x 3	1½
15	11⅛	24¾	16¼	2⅝	17	14	4	30	9 ¹³ / ₃₂	1⅛	11¼	17¼	22¼	H1B-14	4	½ x 3	1½
18	12½	27¾	19¼	2⅝	20	14	4	36	9 ¹ / ₁₆	1⅛	12¾	20¼	25	H1B-14	4	⅝ x 4½	1¾
21	14¼	30¾	22¼	2⅝	23	18	5	42	9⅛	1⅛	14¼	23¼	28½	H2B-18	6	⅝ x 4½	1¾
24	16	33¾	25¼	2⅝	26	24	5	48	9⅛	1⅛	15¾	26¼	32	H2B-24	6	⅝ x 4½	1¾
30	19⅝	39¾	31¼	2⅝	32	-	-	54	10⅛	1½	18¾	32¼	38¾	CPS3E5	Lift data determined on application. Some dimensions based on lift. Call for details.		
36	23	45¾	37¼	2⅝	38	-	-	66	11¼	1½	21¾	38¼	46	CPS3E5			
42	24½	51⅞	43⅝	2⅝	44⅞	-	-	78	11⅞	1½	24 ¹³ / ₁₆	44⅜	53	CPS3E5			
48	27¾	57⅞	49⅝	2⅝	50⅞	-	-	84	12 ¹ / ₃₂	1½	27 ¹³ / ₁₆	50⅜	59½	CPS3E5			
60	36½	69⅞	61⅝	2⅝	62⅞	-	-	108	13 ⁵ / ₃₂	2	33 ¹³ / ₁₆	62⅜	73	CPS6E5			
72	43¼	82	73½	2⅝	74¼	-	-	126	15 ⁵ / ₃₂	2½	39⅞	74½	86½	CPS12E7			

"C" and "D" dimensions are for corrugated metal pipe.

* Pipe installation depth.

** H = minimum frame height.



FRESNO
Valves & Castings, Inc.

Specifications subject to change without notice.

Fresno Valves & Castings, Inc.

7736 East Springfield Avenue

P.O. Box 40, Selma, CA 93662, U.S.A.

(800) 333-1658

www.fresnovalves.com

Sheet No. 7600-2/05