

SPOUTING & GATES

Round & Square Spouting

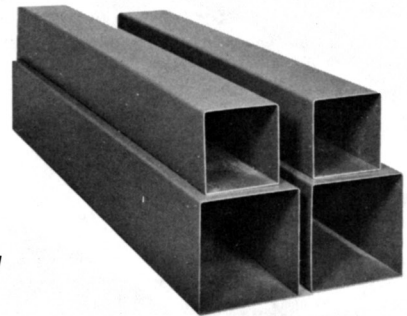
ROUND			SQUARE		
Outside Diameter	Gauge	Pounds Per Ft.	Size Inside	Gauge	Pounds Per Ft.
6"	14	4.85	6" sq.	14	6.25
	12	6.75		12	8.75
	10	8.64		10	11.25
8"	14	6.48	8" sq.	14	8.33
	12	9.05		12	11.66
	10	11.58		10	15.00
	7	15.60			
8 ⁵ / ₈ "	7	16.90			
10"	14	8.17	10" sq.	14	10.42
	12	11.33		12	14.58
	10	14.52		10	18.75
	7	19.70			
10 ³ / ₄ "	7	21.20			
12"	12	13.65	12" sq.	14	12.50
	10	17.55		12	17.50
	7	23.70		10	22.50
12 ³ / ₄ "	7	25.20			
14"	10	20.40	14" sq.	14	14.58
	7	27.70		12	20.41
				10	26.25

Stock length of round spouting is 20 ft.

Square spouting is made to order, maximum length 10 ft.



Call for pricing on lined, with UHMW or EMBU or with removable lids or special gauges.



CAPACITY OF SPOUTING

Diameter in Inches	Area in Square Inches	Equivalent Rectangle	Capacity in Bu/Per/Hr.
6	28.27	7 x 4	2,260
8	50.26	8 x 6	4,000
10	78.54	10 x 8	6,300
12	113.00	12 x 10	9,000
14	154.00	16 x 10	12,300
16	201.00	17 x 12	16,100
18	254.40	20 x 12	20,300

NOTE: These are approximate figures for dry wheat, corn, or milo. Lighter grains take large spouts.

ACTUAL TEST: A 9" diameter spout on a 1-7/16 to 12 slope actually carried 9,000 bushels per hour.

PHONE (785) 827-4491
FAX (785) 827-4494

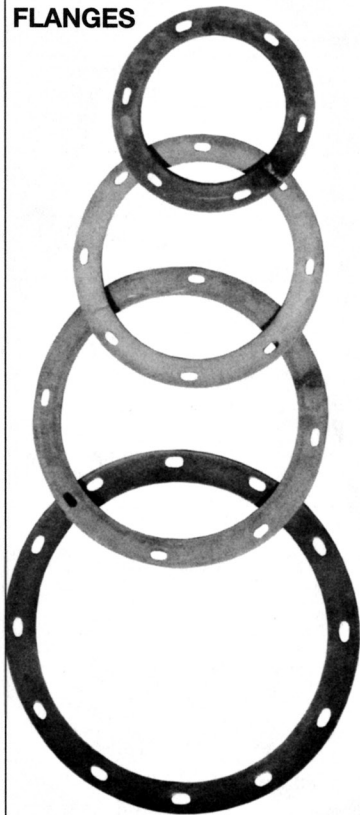
GRAIN BELT SUPPLY CO., INC.
SALINA, KANSAS

U.S. 1-800-255-2742
1-800-432-8292
1-800-447-0522



SPOUTING & GATES

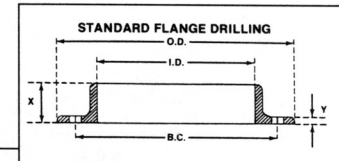
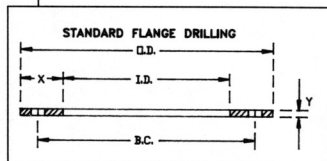
**PLATE RING
FLANGES**



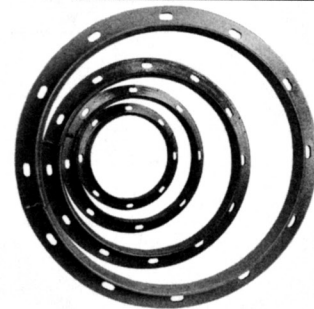
Rolled Angle Iron and Plate Ring Flanges

- Butt Weld • Slotted Hole Punching for Ease of Alignment

Grain Belt stocks the more common size angle and plate rings for prompt shipment. Or we will manufacture to your specifications. You can depend on Grain Belt quality to keep your installation costs within budget.



**ROLLED
ANGLE
IRON
FLANGES**



Other flanges available in other sizes and weights of material, punched as desired. Please inquire.

	Normal Size Inches	Inside Diameter Inches O.D.	Outside Diameter Inches O.D.	X	Y	Bolt Circle Inches B.C.	Holes	
							Bolt Size	Number
ROLLED ANGLE IRON FLANGES	6	6 ¹ / ₁₆	8 ⁹ / ₁₆	1 ¹ / ₄	1 ¹ / ₈	7 ¹ / ₂	3 ⁷ / ₈	6
	8	8 ¹ / ₁₆	10 ⁹ / ₁₆	1 ¹ / ₄	1 ¹ / ₈	9 ¹ / ₂	3 ⁷ / ₈	8
	8 H.D.	8 ¹ / ₁₆	10 ⁹ / ₁₆	1 ¹ / ₄	3 ¹ / ₁₆	9 ¹ / ₂	3 ⁷ / ₈	8
	8 ⁵ / ₈	8 ³ / ₄	11 ¹ / ₄	1 ¹ / ₄	3 ¹ / ₁₆	10 ¹ / ₄	3 ⁷ / ₈	8
	10	10 ¹ / ₁₆	12 ⁹ / ₁₆	1 ¹ / ₄	1 ¹ / ₈	11 ⁹ / ₁₆	3 ⁷ / ₈	8
	10 H.D.	10 ¹ / ₁₆	12 ⁹ / ₁₆	1 ¹ / ₄	3 ¹ / ₁₆	11 ⁹ / ₁₆	3 ⁷ / ₈	8
	10 ³ / ₄	10 ¹³ / ₁₆	13 ¹³ / ₁₆	1 ¹ / ₂	3 ¹ / ₁₆	12 ⁹ / ₁₆	3 ⁷ / ₈	8
	12	12 ¹ / ₁₆	15 ¹ / ₁₆	1 ¹ / ₂	3 ¹ / ₁₆	13 ¹³ / ₁₆	3 ⁷ / ₈	12
	12 ³ / ₄	12 ¹³ / ₁₆	15 ¹³ / ₁₆	1 ¹ / ₂	3 ¹ / ₁₆	14 ⁹ / ₁₆	3 ⁷ / ₈	12
	14	14 ¹ / ₁₆	17 ¹ / ₁₆	1 ¹ / ₂	3 ¹ / ₁₆	15 ¹³ / ₁₆	3 ⁷ / ₈	12
	16	16 ¹ / ₁₆	19 ⁹ / ₁₆	1 ³ / ₄	3 ¹ / ₁₆	18 ¹ / ₈	3 ⁷ / ₈	16
	18	18 ¹ / ₁₆	21 ⁹ / ₁₆	1 ³ / ₄	3 ¹ / ₁₆	20 ¹ / ₈	3 ⁷ / ₈	16
PLATE RING FLANGES	20	20 ¹ / ₁₆	23 ⁹ / ₁₆	1 ³ / ₄	3 ¹ / ₁₆	22 ¹ / ₈	3 ⁷ / ₈	20
	6	6 ¹ / ₁₆	8 ⁹ / ₁₆	1 ¹ / ₄	3 ¹ / ₁₆	7 ¹ / ₂	3 ⁷ / ₈	6
	8	8 ¹ / ₁₆	10 ⁹ / ₁₆	1 ¹ / ₄	3 ¹ / ₁₆	9 ¹ / ₂	3 ⁷ / ₈	8
	10	10 ¹ / ₁₆	12 ⁹ / ₁₆	1 ¹ / ₄	3 ¹ / ₁₆	11 ⁹ / ₁₆	3 ⁷ / ₈	8
	12	12 ¹ / ₁₆	15 ¹ / ₁₆	1 ¹ / ₂	3 ¹ / ₁₆	13 ¹³ / ₁₆	3 ⁷ / ₈	12
	14	14 ¹ / ₁₆	17 ¹ / ₁₆	1 ¹ / ₂	3 ¹ / ₁₆	15 ¹³ / ₁₆	3 ⁷ / ₈	12

PHONE (785) 827-4491
FAX (785) 827-4494

GRAIN BELT SUPPLY CO., INC.
SALINA, KANSAS

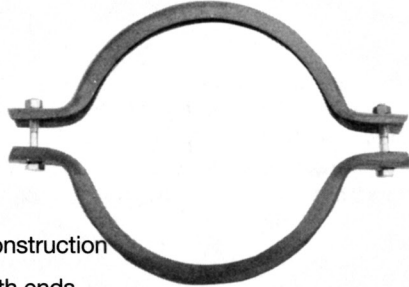
U.S. 1-800-255-2742
1-800-432-8292
1-800-447-0522



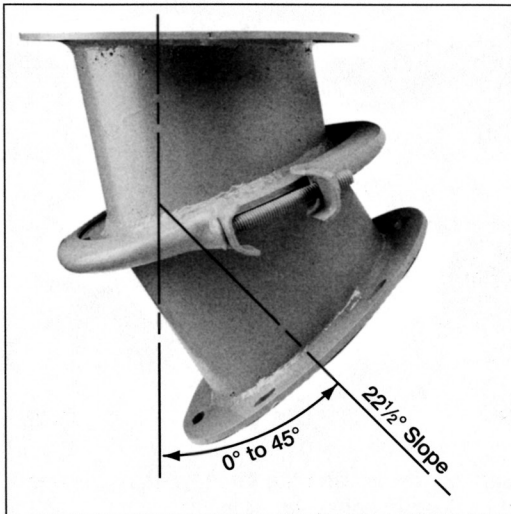
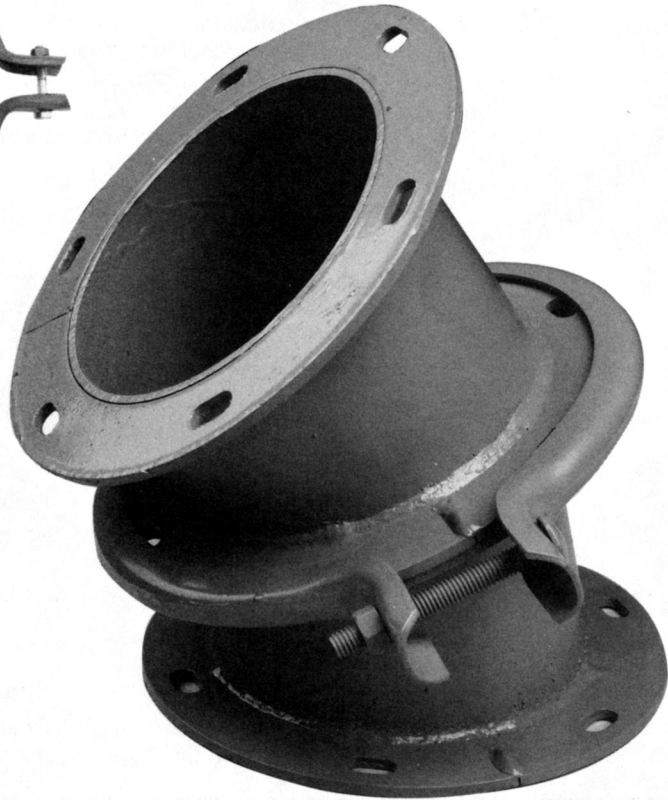
SPOUTING & GATES

0° to 45° Reversible Elbow

6", 8", 10", 12", 14", & 16" (Larger sizes available upon request)



- Heavy duty construction
- Flanged at both ends
- Handles all angles of material flow
- 10 gauge material
- Heavy gauge elbows available
- 3/16" flat flanges
- Polyurethane lining, stainless steel, or galvanized available upon request
- Band clamps are galvanized



For 50 years Grain Belt has designed and produced hundreds of thousands of pieces of equipment for the grain handling industry. It is our hope that this broad experience, our technological know-how and the modern production facilities we have developed during this period can benefit your operation now and in the years ahead.

PHONE (785) 827-4491
FAX (785) 827-4494

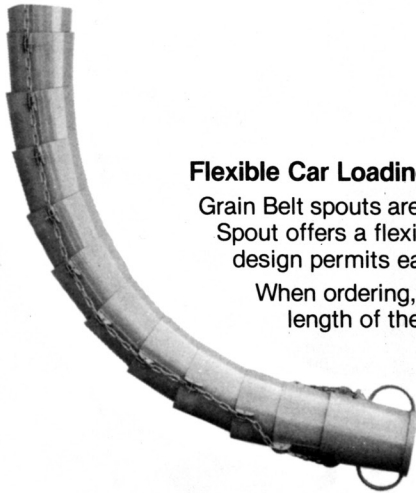
GRAIN BELT SUPPLY CO., INC.
SALINA, KANSAS

U.S. 1-800-255-2742
1-800-432-8292
1-800-447-0522



SPOUTING & GATES

Spouting



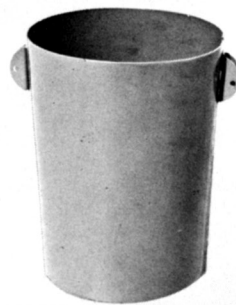
Flexible Car Loading Spout

Grain Belt spouts are manufactured in any length, diameter, or gauge of steel. The Grain Belt Flexible Loading Spout offers a flexible and economical means of filling far ends of cars, trucks, and barges. The telescopic design permits ease of handling, and controlled flow of material.

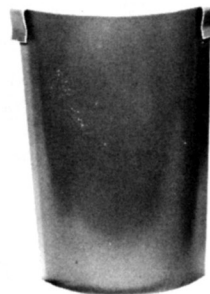
When ordering, specify the outside size of the down spout to which the spout is to be fitted, the overall length of the flex spout desired, and the bottom diameter of the spout section.



BOTTOM



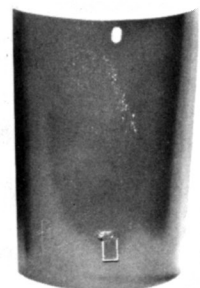
INTERMEDIATE



CLIP-IN



**GENUINE
KEWANEE**



KEWANEE

Replacement Parts

When ordering top hopper section, middle sections, or lower end section, please specify diameter at both the large and small end.

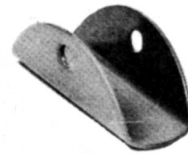
Spout Liners

Grain Belt steel spout liners can be inserted quickly, without removing the spout section. Please specify type of liner, and size of your spout sections.

Sectional Steel Spouting

- Choice of 14 or 16 ga. steel in 24" or 36" lengths.
- Clips, bolts or ears located on each side 4" from each end (clips installed unless specified by customer).
- Available in diameters and lengths not listed. Prices upon request.

Diameters		Ga. Metal
Bottom	Top	
6"	6½"	16
7"	7½"	16
8"	8½"	16
9"	9½"	14
		16
10"	10½"	14
		16



EAR



BOLT



CLIP

Sectional spout showing the three types of fasteners available. Specify one when ordering.

PHONE (785) 827-4491
FAX (785) 827-4494

GRAIN BELT SUPPLY CO., INC.
SALINA, KANSAS

U.S. 1-800-255-2742
1-800-432-8292
1-800-447-0522



SPOUTING & GATES

Distributor Spout

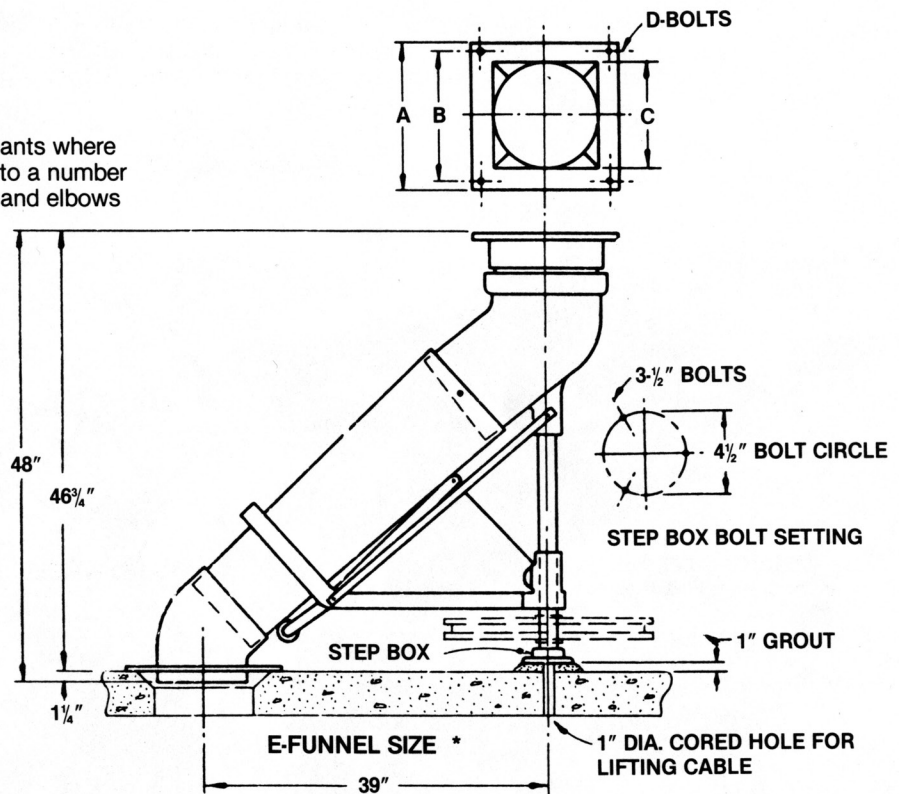
Ehrsam Style "B" Distributing Spout

Ideal for use in small grain elevators or other plants where free-flowing bulk materials must be distributed to a number of bins or hoppers. Sturdy cast iron turn-heads and elbows are standard with this distributor.

When the hinged spout is in proper position, it drops into the floor funnel and the operator can be sure the grain is flowing freely into the bin. The spout cannot be moved until it is raised out of the floor funnel.

A machined joint in the turnhead and a floating seal help prevent excess dust in the head house.

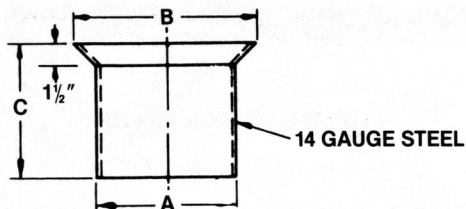
Available from stock in the sizes shown. Column "F" (right) gives the maximum recommended number of flared style floor funnels that should be placed in an arc two-thirds of the spout's circle of travel. Column "E" = funnel size.*



Dimensions								
SIZE	A	B	C	D	E	F	APPROX. WEIGHT	APPROX. CAP. BU. PER HR.
6½	11	9¼	8	½	6½	14	100	2,000
9	12¾	11	9	⅝	8½	12	120	4,000
12	16¼	14½	11¾	⅝	10½	11	170	6,000
14	19¾	16¾	14¾	¾	15½	10	240	8,000

Standard Steel Floor Funnels

FLARED STYLE SERIES 7-10



*For safety of elevator workers, series 7-11 floor funnels with grating are recommended for distributors 14" and larger.

PHONE (785) 827-4491
FAX (785) 827-4494

GRAIN BELT SUPPLY CO., INC.
SALINA, KANSAS

U.S. 1-800-255-2742
1-800-432-8292
1-800-447-0522

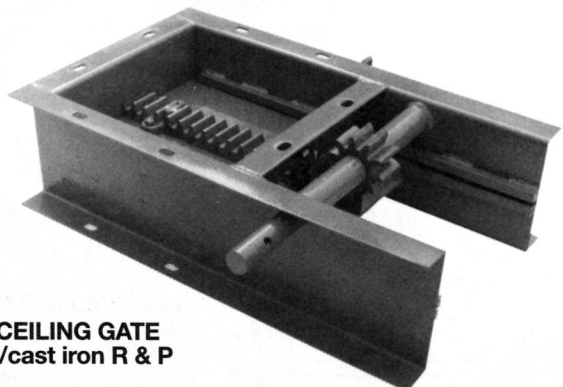


SPOUTING & GATES

Gates

Rack & Pinion Gates are self-contained, completely assembled, and ready for installation. Gates include ductile iron rack & pinion, and your choice of hand wheel, rope wheel, or chain wheel. Grain Belt offers R & P ceiling gates, R & P wall gates, and plain slide wall gates in the following sizes:

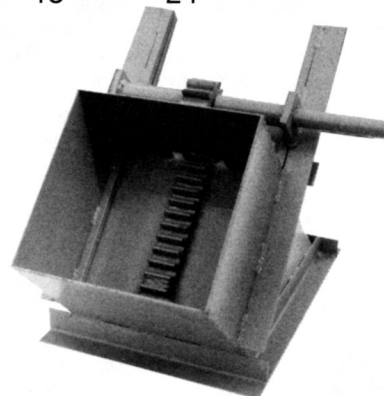
6" 8" 10" 12" 14" 16" 18" 24"
(24" gate has double rack & pinion.)



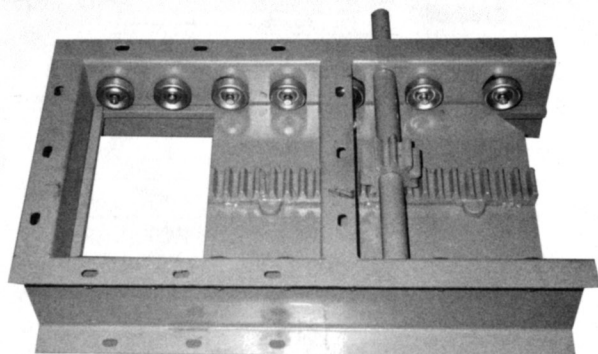
CEILING GATE
w/cast iron R & P



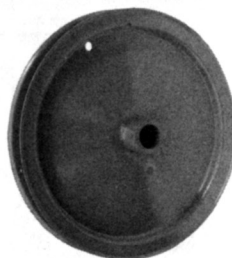
HAND WHEEL



WALL GATE
w/cast iron R & P



ROLLER GATE
w/cast iron R & P



ROPE WHEEL



ALUMINUM CHAIN WHEEL

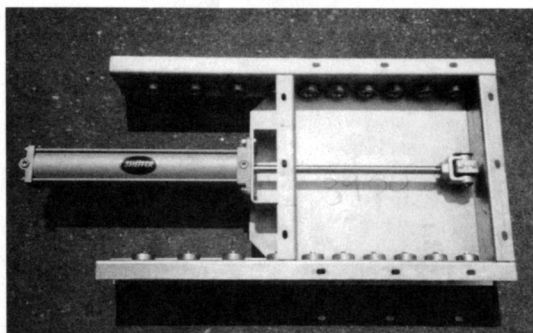
Electric, air, hydraulic, and roller gates
quoted upon request.



DUCTILE IRON RACK & PINION



FORMED RACK & PINION



Gain Belt can supply custom built
gates to fit your requirements.
Call us toll free.

PHONE (785) 827-4491
FAX (785) 827-4494

GRAIN BELT SUPPLY CO., INC.
SALINA, KANSAS

U.S. 1-800-255-2742
1-800-432-8292
1-800-447-0522



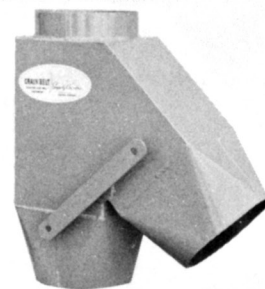
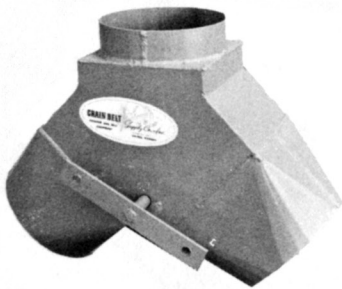
SPOUTING & GATES

Flop Gates

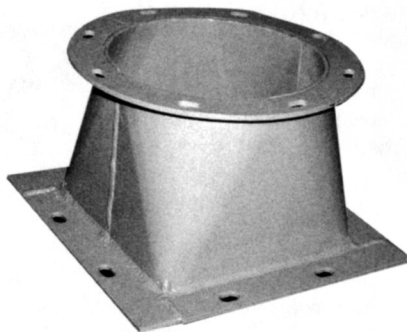
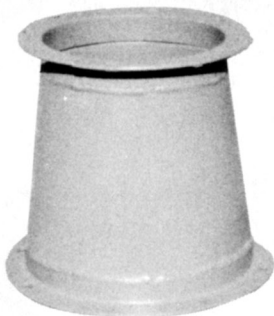
TWO-WAY AND THREE-WAY FLOP GATES

Grain Belt flop gates are manufactured to fit your spouting needs. Available in a variety of sizes and types for all installation and application. Grain Belt flop gates eliminate the need for special plates and adapters. Spouts can be welded or bolted directly to flop gate.

Electric, Air, Hydraulic Valves, quoted upon request.

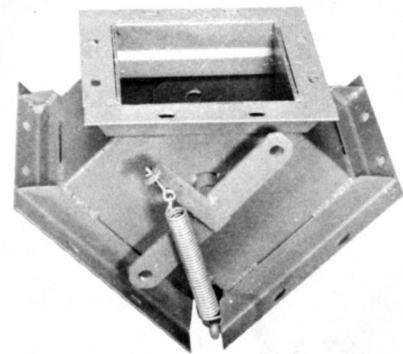


TRANSITIONS - FITTINGS



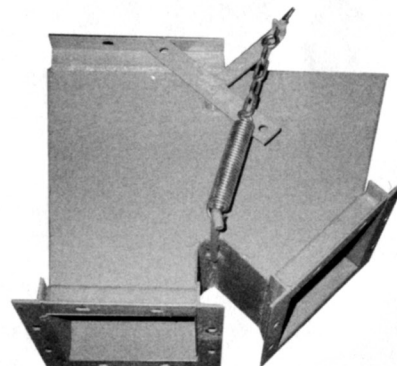
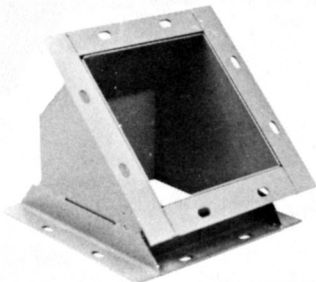
PAN VALVES

- Leak proof for grain and feed.
- Spring loaded for positive action.
- Constructed of heavy gauge material.
- Designed for easy flow.



45° ELBOWS

- Forty-five degree elbow eliminates the need for costly and specially made valves. The 45° elbow can be bolted on in four different positions to obtain the various angles you might need.



PHONE (785) 827-4491
FAX (785) 827-4494

GRAIN BELT SUPPLY CO., INC.
SALINA, KANSAS

U.S. 1-800-255-2742
1-800-432-8292
1-800-447-0522



SPOUTING & GATES

Gates

GRAIN BELT OVERFLOW VALVE

The overflow valve automatically prevents "backlegging," "clogged boots" and possibility of fire.

Avoid expensive delays by installing an overflow as it is readily adapted to any installation.

It is low in cost and its positive action requires no observation.

GRAIN BELT GRAIN SPREADER

To keep your grain in top condition. Eliminates hot spots—no center core because it mixes chaff and foreign material with grain through entire bin. Easily moved from bin to bin, as the spreader is equipped with chain for hanging from any angle. Nothing to wear out. Gives years of service.

FIRE GATE WITH DOUBLE FIRE STOP

The Grain Belt fire gate is designed and manufactured in accordance with standard drawings of the Mutual Fire Prevention Bureau. Use a Grain Belt fire gate on dryer installations where positive safety is required. The fire gate is complete with an insurance-approved fusible link and an extra flange at each end is matched, drilled and ready for installation in existing spouting at a 45° angle.

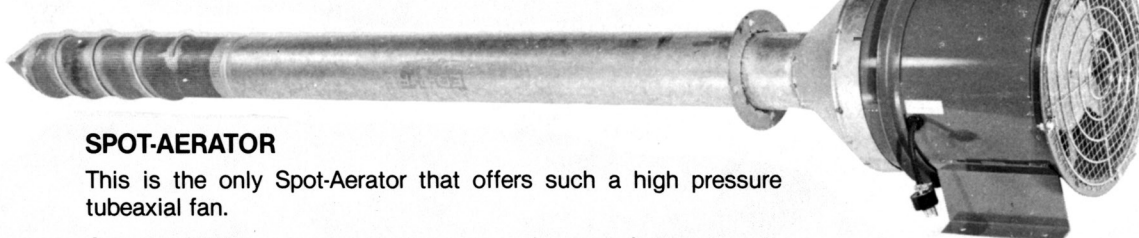
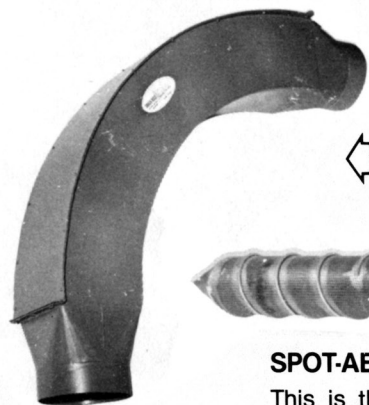
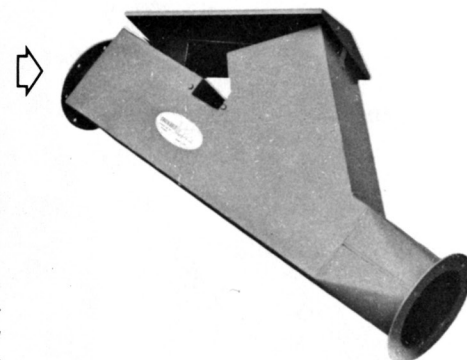
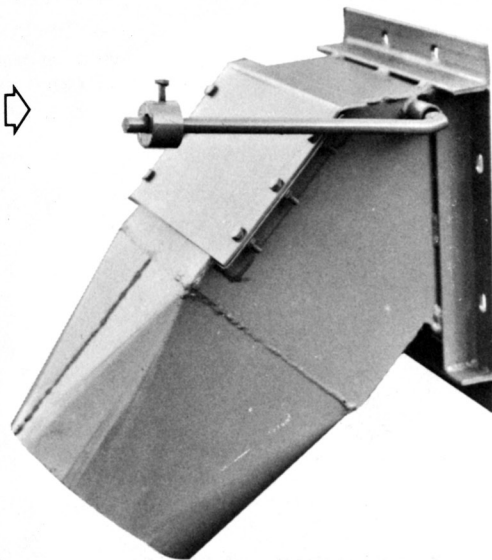
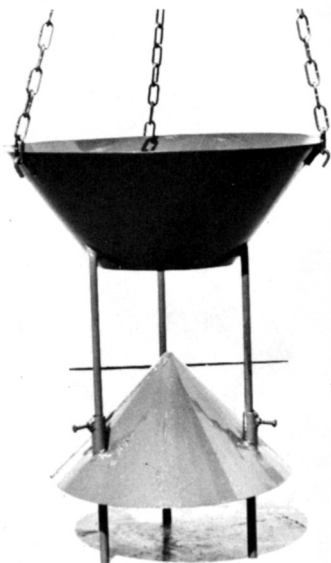
LONG SWEEP ELBOW

The long sweep elbow is used where material handling is highly abrasive, as in collector installation over hammer mills, etc. 14 ga. elbow with 12 ga. removable back. The removable back plate reduces maintenance and replacement costs. Removable back may be lined with 1/4" rubber face plate.

SPOT-AERATOR

This is the only Spot-Aerator that offers such a high pressure tubeaxial fan.

Only the Spot-Aerator is easy to insert and remove from any grain mass. The rugged spiral duct allows the operator to turn the complete duct length into the grain in a matter of minutes.



PHONE (785) 827-4491
FAX (785) 827-4494

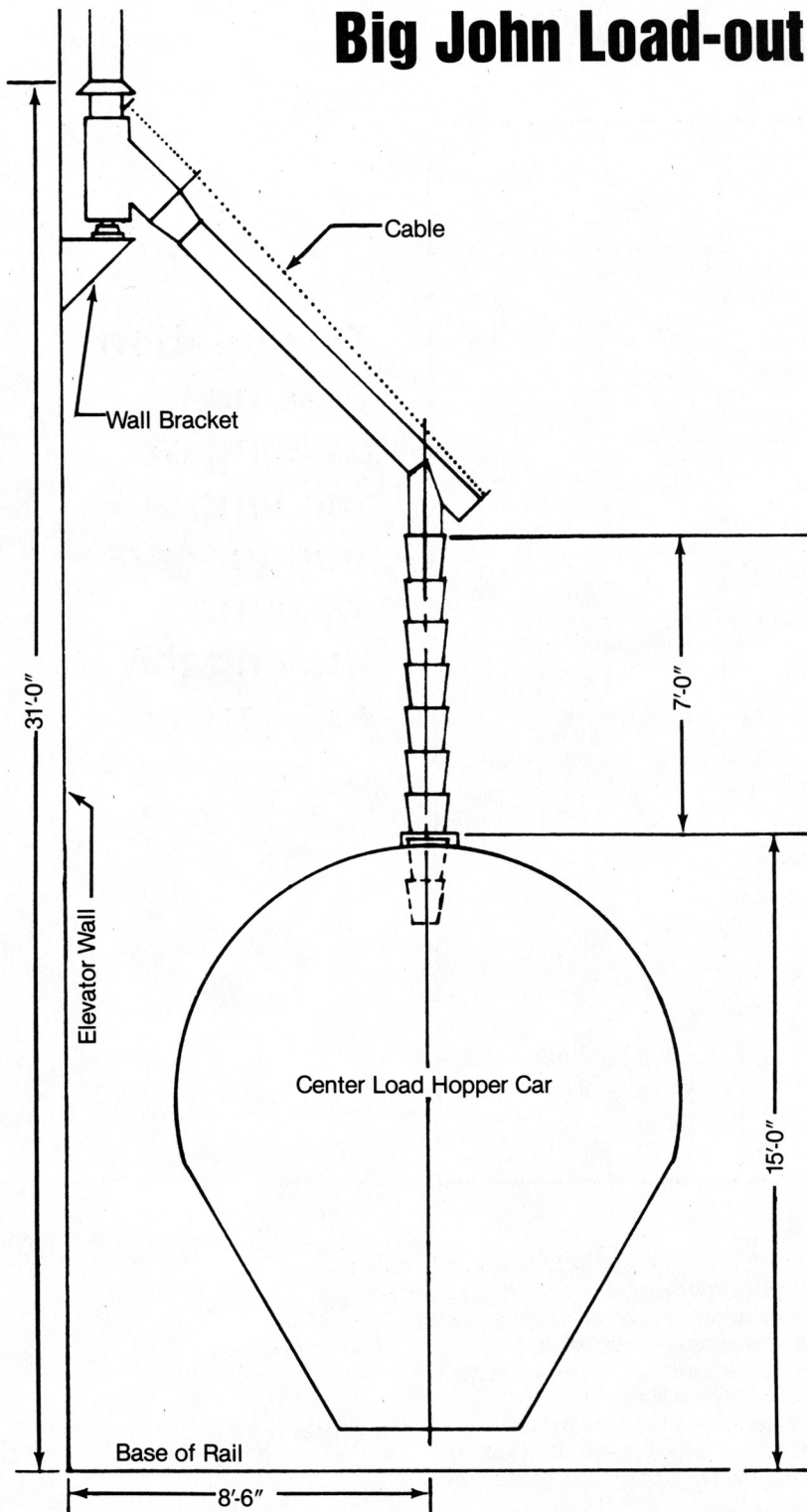
GRAIN BELT SUPPLY CO., INC.
SALINA, KANSAS

U.S. 1-800-255-2742
1-800-432-8292
1-800-447-0522



SPOUTING & GATES

Big John Load-out Spout



GRAIN BELT HOPPER CAR LOAD-OUT SPOUT

The newest and most economical arrangement for loading hopper cars. Load-out spout with center opening can be filled easily with only one movement of the car.

When ordering, please specify down spout outside diameter, size of spout wanted, and distance from elevator to center-line track.

Basic unit consists of 12" x 10 ga. 45° elbow with ball bearing, turnhead, wall bracket and bearing, shim, rain hood, and cable anchor.

Spout is 10 ga., 14' * long, with fitted flange on one end.

**O.K. when center-line track is 8'6" from elevator wall. Additional spout must be added when center line is greater than 8'6".*

Flex loading spout is 80" long, complete with chain and bottom section.

Two-way flop gate made from 3/16" plate with fitted and mating flanges.

NOTE: Use flop gate only when swivel is to branch off of a box car load out spout.

PHONE (785) 827-4491
FAX (785) 827-4494

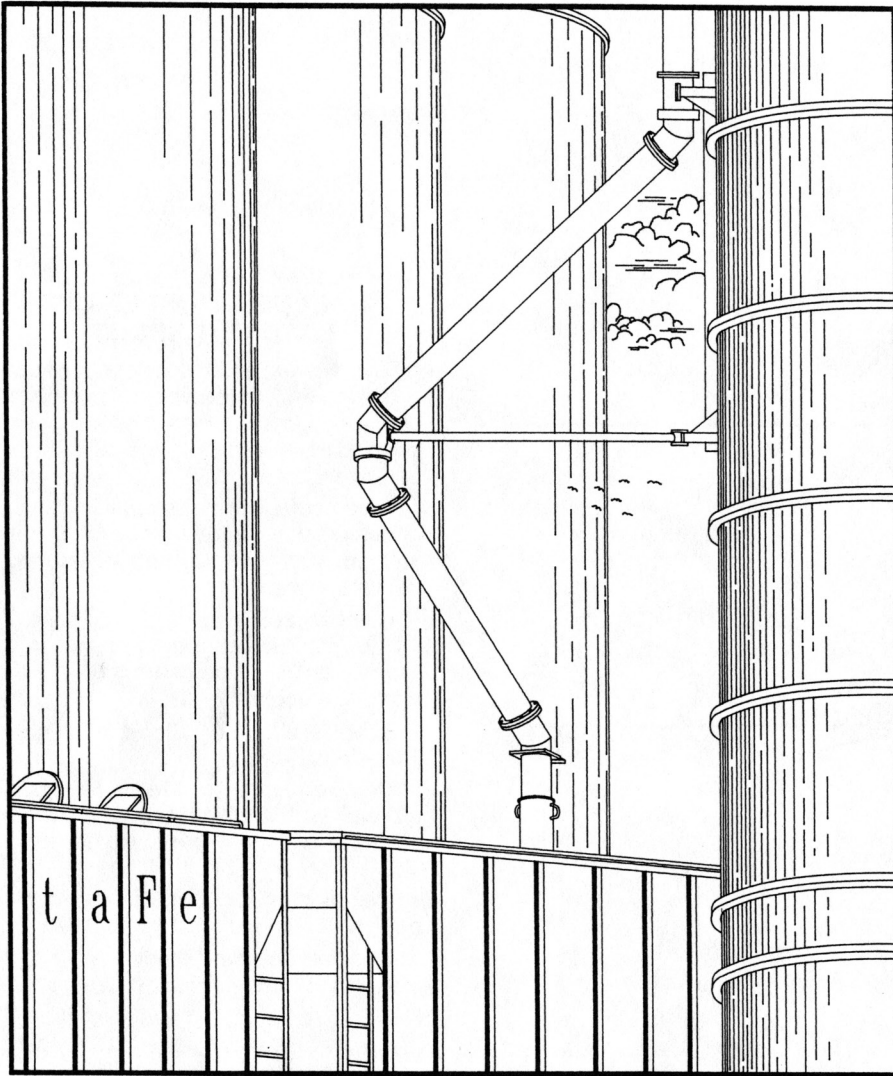
GRAIN BELT SUPPLY CO., INC.
SALINA, KANSAS

U.S. 1-800-255-2742
1-800-432-8292
1-800-447-0522



SPOUTING & GATES

Double Swivel Loadout Spout



**Designed for
fast, easy
loading of
full-length
hopper cars –
without
moving the
rail car!**

Introducing Grain Belt's fully engineered Double Swivel Loadout Spout. Designed with the following features for long lasting service:

- Heavy gauge spouting with abrasion-resistant liners in the wear areas of the elbows.
- Heavy duty roller bearings in the swivel areas running on machined surfaces.
- Sturdy wall mounting for easy installation.
- Elbow sections are sealed with long lasting gaskets to allow ventilation without leakage of dust or product.

PHONE (785) 827-4491
FAX (785) 827-4494

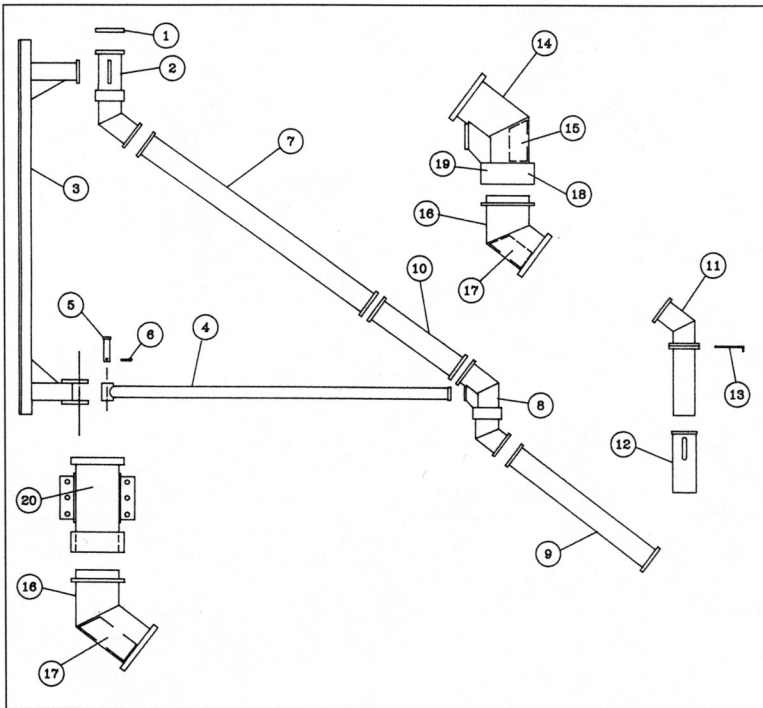
GRAIN BELT SUPPLY CO., INC.
SALINA, KANSAS

U.S. 1-800-255-2742
1-800-432-8292
1-800-447-0522



SPOUTING & GATES

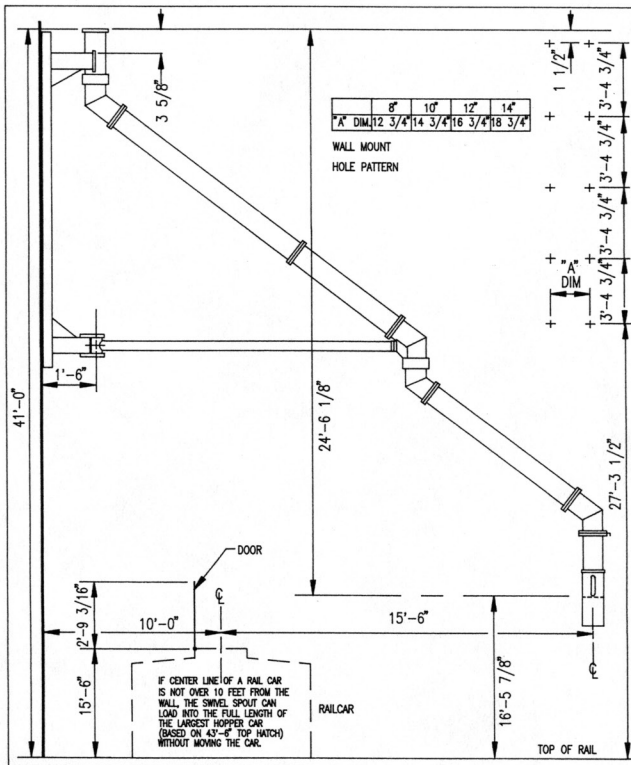
Double Swivel Loadout Spout



Sample Parts List (for 10" Spout)

Item	Qty.	Description
1	1	10" Flange
2	1	Upper Swivel Assembly
3	1	Support Frame
4	1	Brace Pipe
5	1	Brace Pin
6	1	3/16 Cotter Pin
7	1	Top Spout (10' 0")
8	1	Center Swivel Assembly
9	1	Lower Spout (8' 10")
10	1	Middle Spout (6' 6 9/16")
11	1	Lower elbow with gate
12	1	Slip Spout
13	1	Gate
14	1	Top 1/2 of center swivel assembly with dust seal (less bearings)
15	1	Top Liner
16	2	Bottom half of swivel assembly
17	2	Bottom Liner
18	30	Bearing with 3/4 - 16 Nut & L.W.
19	30	Pipe Spacer
20	1	Top 1/2 of upper swivel assembly with dust seal (less bearings)
21	8	5/8 x 2 Hx bolts w/nut & L.W. (spout to frame assembly)
22	48	5/8 x 2 Hx bolts w/nut (flange bolts)
23	48	5/8 Flast Washers
24	48	5/8 Lock Washers

Installation Dimensions for 8", 10", 12", 14"



Custom designed and built to your specifications with the quality you've come to expect from Grain Belt.

Call today for a written quotation and a reasonable delivery date!

PHONE (785) 827-4491
FAX (785) 827-4494

GRAIN BELT SUPPLY CO., INC.
SALINA, KANSAS

U.S. 1-800-255-2742
1-800-432-8292
1-800-447-0522

