

## Bulk Feed Tank

General Information

# BULK FEED TANKS



These tanks are a very popular way of storing feed due to their ease of installation, low expansion cost and convenient hopper unloading. Several of these tanks can be installed to store a variety of grains. The sealed roof and body design helps protect grain/feed from moisture damage. GSI Bulk Feed Tanks are available in 6', 7', 9', 12', and 15' diameters with capacities up to 3182 bushels.

## Features

### Secure Access

Only GSI feed tanks feature the exclusive, patented Auto-Lok ground control access system for opening, closing and latching the fill cap safely and easily from the ground. The cap swings open a full 180°, to lie flat and parallel to the ground, completely eliminating the annoying and all-too-frequent interference with, or damage to, the cap from the fill auger. To meet consumer demand, the GSI Fill Cap is also available as a replacement for destroyed or damaged caps on most competitor's tanks.



### Drip Lip

GSI's drip lip water deflection system is a one-of-a-kind, roll-formed bottom sheet edge which forces water away from the hopper and lower boot area. Complete weather protection without a loss in capacity.



We will assemble,  
deliver, and set bins  
up on your farm.



## 6' - 15' DIAMETER BULK FEED TANK SPECIFICATIONS

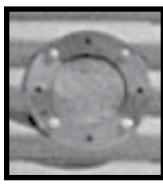
Diameter (Feet)	Diameter (Meters)	No. of Rings	Angle of Hopper	Fill Height (Feet), 30° Roof	Fill Height (Feet), 40° Roof	Fill Height (Meters), 30° Roof	Fill Height (Meters), 40° Roof	*Max. Capacity (Bu.), 30° Roof	*Max. Capacity (Bu.), 40° Roof	*Max. Capacity (Cu.Ft.), 30° Roof	*Max. Capacity (Cu.Ft.), 40° Roof	*Max. Capacity (M.Tons), 30° Roof	*Max. Capacity (M.Tons), 40° Roof	*Max. Capacity (Us.Tons), 30° Roof	*Max. Capacity (Us.Tons), 40° Roof
6'	1.83	1	60°	10' 9"	11' 3"	3.28	3.43	111	118	138.0	147.60	2.50	2.67	2.76	2.95
6'	1.83	2	60°	13' 5"	13' 11"	4.09	4.25	171	178	212.6	222.21	3.86	4.03	4.25	4.44
6'	1.83	3	60°	16' 1"	16' 7"	4.90	5.06	231	238	287.2	296.82	5.21	5.38	5.74	5.93
6'	1.83	4	60°	18' 9"	19' 3"	5.72	5.87	291	298	361.8	371.43	6.56	6.74	7.24	7.42
7'	2.13	1	67°	13' 8"	14' 3"	4.16	4.35	185	196	230.1	244.96	4.17	4.44	4.60	4.89
7'	2.13	2	67°	16' 4"	16' 11"	4.97	5.16	266	278	331.6	346.51	6.02	6.29	6.63	6.93
7'	2.13	3	67°	19' 0"	19' 7"	5.78	5.97	348	360	433.2	448.06	7.86	8.13	8.66	8.96
7'	2.13	4	67°	21' 8"	22' 3"	6.60	6.78	430	441	534.7	549.61	9.70	9.97	10.96	10.99
7'	2.13	5	67°	24' 4"	24' 11"	7.41	7.60	511	523	636.3	651.16	11.54	11.82	12.73	13.02
7'	2.13	6	67°	27' 0"	27' 7"	8.22	8.41	593	604	737.8	752.71	13.39	13.66	14.76	15.05
9'	2.74	1	60°	14' 3"	15' 1"	4.33	4.59	308	332	383.9	413.81	6.96	7.51	7.69	8.27
9'	2.74	2	60°	16' 11"	17' 9"	5.15	5.41	443	467	551.8	581.68	10.01	10.56	11.04	11.63
9'	2.74	3	60°	19' 7"	20' 5"	5.96	6.24	578	602	719.6	749.55	13.06	13.60	14.39	14.99
9'	2.74	4	60°	22' 3"	23' 1"	6.77	7.04	713	737	887.5	917.42	16.10	16.65	17.75	18.34
9'	2.74	5	60°	24' 11"	25' 9"	7.59	7.85	848	872	1055.3	1085.28	19.15	19.70	21.11	21.70
9'	2.74	6	60°	27' 7"	28' 5"	8.40	8.66	983	1007	1223.2	1253.15	22.19	22.75	24.46	25.06
12'	3.66	2	60°	20' 8"	21' 11"	6.29	6.67	887	946	1109.7	1177.87	20.15	21.38	22.18	23.55
12'	3.66	3	60°	23' 4"	24' 7"	7.10	7.49	1126	1186	1407.7	1476.30	25.57	26.80	28.15	29.52
12'	3.66	4	60°	26' 0"	27' 3"	7.91	8.30	1365	1426	1706.1	1774.73	30.99	32.22	34.12	35.49
12'	3.66	5	60°	28' 8"	29' 11"	8.73	9.11	1604	1666	2004.5	2073.17	36.42	37.64	40.08	41.46
12'	3.66	6	60°	31' 4"	32' 7"	9.54	9.93	1842	1905	2302.9	2371.60	41.84	43.05	46.05	47.43
15'	4.57	2	60°	24' 2"	25' 10"	7.37	7.87	1554	1658	1934.8	2064.39	35.12	37.48	38.69	41.28
15'	4.57	3	60°	26' 10"	28' 6"	8.18	8.68	1929	2033	2401.1	2530.69	43.59	45.94	48.02	50.61
15'	4.57	4	60°	29' 6"	31' 2"	8.99	9.50	2304	2408	2867.4	2996.99	52.06	54.41	57.34	59.93
15'	4.57	5	60°	32' 2"	33' 10"	9.80	10.31	2678	2783	3333.7	3463.29	60.52	62.87	66.67	69.26

### 6' - 15' BULK FEED TANKS (BFT - 60 & 67 DEGREE HOPPERS)

- Designed for the storage of free flowing material having a maximum density of 40 lbs. per cubic foot
- Bushel capacities are calculated with no compaction and to full cubic foot capacities
- Weight capacities are calculated at 40 lbs. per cubic foot
- Add 19° to the fill height for top of cap height

**WARNING!** Non-free flowing materials including (but not limited to) soybean meal and meat by-products should not be stored in these tanks due to their inherent nature of bridging. Check with your material supplier on the flowability of your product prior to purchasing a tank. If in doubt about a specific product, contact the AP engineering department for additional recommendations. Some features are optional and may be available only on certain models. Consult your local AP dealer for details. All specifications subject to change without notice.

## Featured Accessories



### Plastic Boots

GSI's 16" parabolic boot is made from the very latest in ultra high impact polypropylene for greater flexibility, dependability and durability.



### Hopper Valve

This valve provides an adjustable, longer chute for ease of filling a cart or wheelbarrow, and features tabs at the end to hang a bucket for extracting smaller amounts from the tank.

### Hopper Valve

BLK-11879 \$174.00

### Plastic Boots

FLX-2194 30° \$43.20

FLX-2195 Straight \$44.40

### View Window

BLK-10930 Side Wall \$54.60

BLK-10216 Hopper \$40.20



### Slide Door

BLK-11137 16" Slide Kit \$42.00

### Silo Door

HSDI Inside Silo Door \$394.00

HSDO Outside Silo Door \$310.00

## Bulk Feed Tank

### Aeration Kits



## Aeration Kits



Aeration kits are used to ventilate wet grain stored in hopper bins, ensuring the grain does not spoil. Aeration kits can be installed on new bins or retrofitted on existing bins.

### COMPLETE AERATION KITS FOR HOPPER TANKS

AAA-00018	Aeration Kit Complete w/ 12" 1HP 1PH Fan	\$1,125.40
AAA-10114	Aeration Kit Complete w/ 14" 1HP 1PH Fan	\$1,170.20
AAA-10312	Aeration Kit Complete w/ 12" 1HP 3PH Fan	\$1,119.10
AAA-15118	Aeration Kit Complete w/ 18" 1.5HP 1PH Fan	\$1,314.61
AAA-15318	Aeration Kit Complete w/ 18" 1.5HP 3PH Fan	\$1,374.10
AAA-30118	Aeration Kit Complete w/ 18" 3HP 1PH Fan	\$1,656.20
AAA-30318	Aeration Kit Complete w/ 18" 3HP 1PH Fan	\$1,607.20

Note: Each kit includes 1 roof vent (see page 22)

#### INSIDE VIEW



Perforated Plenum

#### OUTSIDE VIEW

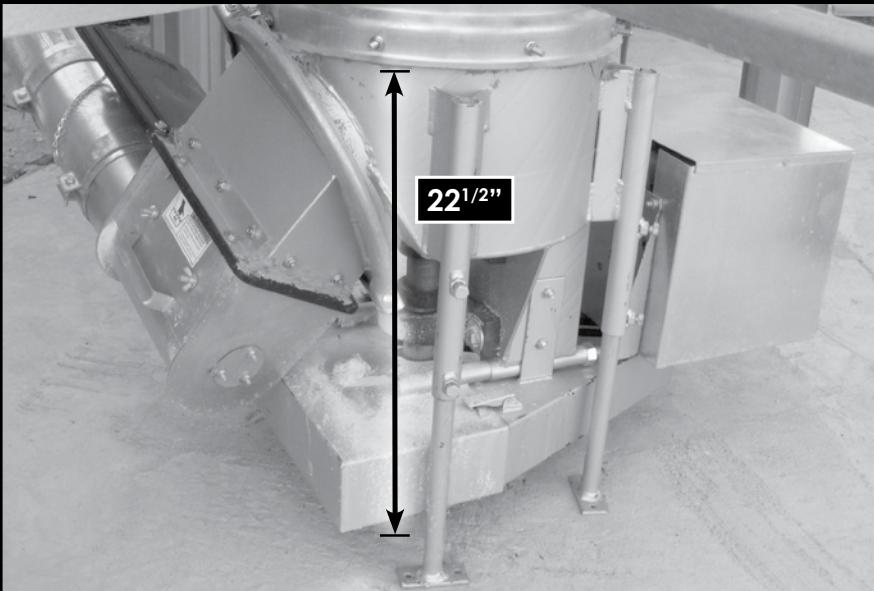


With 18" Double Flange Ring



With Fan & Faceplate

# Bin Unloaders



## COMPLETE AGITATOR KITS

ADJ-1645	AFS Bin Agitator, 16in., 45° Hopper w/o Motor	\$1,250.00
ADJ-1660	AFS Bin Agitator, 16in., 60° Hopper w/o Motor	\$1,250.00
ADJ-1667	AFS Bin Agitator, 16in., 67° Hopper w/o Motor	\$1,250.00
ADJ-1645M	AFS Bin Agitator, 16in., 45° Hopper w/ 1ph. Motor	\$1,475.00
ADJ-1660M	AFS Bin Agitator, 16 in., 60°Hopper w/ 1ph. Motor	\$1,475.00
ADJ-1667M	AFS Bin Agitator, 16in., 67° Hopper w/ 1ph. Motor	\$1,475.00
ADJ-1645MT	AFS Bin Agitator, 16in., 45° Hopper w/ 3ph. Motor	\$1,500.00
ADJ-1660MT	AFS Bin Agitator, 16 in., 60°Hopper w/ 3ph. Motor	\$1,500.00
ADJ-1667MT	AFS Bin Agitator, 16in., 67° Hopper w/ 3ph. Motor	\$1,500.00

Bin Unloader Includes: Pulleys, Hub, Belts, Motor Mount, Motor Cover, Belt Guard, Clamp Band, Discharge Plate.

## AGITATOR PARTS

ADJ-1001	Hardware Kit	\$10.40
NAP211-32	2" Pillow Block Bearing	\$66.76
FDL3516TM	Baldor Motor, 2 HP, 1 PH, 1725 RPM W/56HZ Frame	\$286.50
EM3558T	Baldor Motor, 2 HP, 3 PH, 1740 RPM W/145T Frame	\$310.19
AX58	Belt	\$14.51
2B154SK	Shaft Pulley	\$119.78
2BK25x7/8	Motor Pulley	\$21.38
SKX2	SK-Style Taper Bushing, 2" Bore	\$19.70
CB12	Clamp Band	\$17.00
ADJ-1601	Agitator Discharge Plate	\$46.00



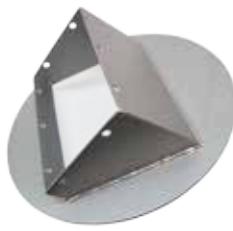
Pillow Block Bearings



Belts



Bushing



Discharge Plate



**AFS Bin Agitator**

**AFS bin agitators are an economical bin unloading system for materials which will not free flow. They provide years of reliable service in demanding environments.**

## Specifications

- 2" Shaft
- Heavy Duty Pillow Block Bearings
- For Bins 6'-9" Diameter
- Requires 2 HP Motor
- Belt Driven
- Unload Boot Adjusts 0° to +65°
- Adapts to 16" Bin Collar
- Adjustable Levelling Legs
- Galvanized Motor Cover
- Flex or Rigid Augers up to 8" Diameter

Shaft Pulley



Motor Pulley



Clamp Bands



## Bulk Feed Tank

### Accessories



## Other Feed Tank Accessories

### COMPLETE FILL KITS

BLK-12683	Pneumatic Fill Kit 6', 40° Roof	\$315.00
BLK-12684	Pneumatic Fill Kit 7', 40° Roof	\$323.40
BLK-12685	Pneumatic Fill Kit 9', 40° Roof	\$354.00

### PNEUMATIC FILL KIT COMPONENTS

TUBG0416	4" 16ga. Galvanized Fill Pipe /ft	\$6.00
GLSP0626	6" 26ga. Galvanized Exhaust Pipe /10ft	\$51.73
AFS-40000	Fill Collar 4" Aluminum	\$14.40
BOLT-STOVE-1/4x3/4	Stove Bolt, Zinc, 1/4x3/4, Flat Head w/ nut	\$0.12
BLK-11312	Pneumatic Fill Cap Weldment	\$170.40
BLK-10202	6" Exhaust Cap Weldment	\$33.00
BLK-10069	6" Half Clamps (set)	\$5.26
BLK-10059	4" Half Clamps (set)	\$5.98

### REPLACEMENT ELBOWS

BLK-10060F	4" 130° Fill Elbow (for 40° roof)	\$39.61
BLK-10060	4" 120° Fill Elbow (for 30° roof)	\$62.40
BLK-10201	4" 90° Fill Elbow Weldment	\$133.80
BLK-10117	6" Adjustable Elbow, 24 ga.	\$22.20

### H.D. BLOW ELBOWS

AAE-04010	4" Steel H.D. Blow Elbow w/ Flange Rings	\$84.00
AAE-04009	4" Steel H.D. Blow Elbow, 90°	\$67.70
AAE-04030	4" Steel H.D. Blow Elbow w/ Short Tube Splices	\$84.00

### MISC. BLOW PIPE ACCESSORIES

AFS-41000	4" Aluminum Female Fill Coupler	\$46.00
AFS-41001	Thumb Screw L-Shape (2 needed per coupler)	\$10.00
AFS-41002	4" Male Adapter Evertite w/ FPT	\$71.42
EL-402-C	4" 16ga. 90° Elbow w/ Bell Ends	\$34.72
EL-602-C	6" 14ga. 90° Elbow w/ Bell Ends	\$62.14

## HOPPER BIN PARTS

BLK-10489	16", 60° Hopper Collar for 6' Bin, 24-hole	\$46.80
BLK-10488	16", 67° Hopper Collar for 7' Bin, 24-hole	\$46.80
BLK-12342	16", 60° Hopper Collar for 9' Bin, 18-hole	\$58.20
BLK-10696	16", 45° Hopper Collar, 24-hole	\$48.60
BLK-12540	40° Roof Lid w/ Ground Control Package ( <i>chain not incl.</i> )	\$245.40
BLK-11651	30° Roof Lid w/ Ground Control Package ( <i>chain not incl.</i> )	\$241.80
CAUBIN	Roll of Bin Caulk	\$4.00
S-277	5/16" x 1-1/4" Bin Bolt w/ Washer	\$0.11
S-275	5/16" x 3/4" Bin Bolt w/ Washer	\$0.11
S-3611	Flange Nut 5/16"	\$0.06
S-396	Nut, 5/16"	\$0.05
BLK-10591	Hopper Extension Kit	\$133.20
BLK-10058	Leg Anchor Plate front two-tabs	\$9.02
BLK-10057	Leg Anchor Plate back one-tab	\$6.93

## BIN ACCESSORIES

AAC-15000	Cyclone, 15"	\$200.00
AAC-15500	Cyclone, 15" w/ Air Escape	\$225.00
BLK-11638	16" Slide Valve	\$365.40
BLK-11614	16" Roller Valve	\$618.60
BLK-11615	16" Rack & Pinion Roller Valve w/ Hand Wheel	\$1,323.60
AAS-00300	Shim For GSI Bin Legs	\$2.00
LDR-4002	44" Ladder Section	\$42.25
LDR-4012	22" Ladder Section	\$24.50
LDR-4010	Outside Ladder Standoffs (Pk/4)	\$11.27
LS-5291	Outside Ladder Brackets (Bag of 10)	\$11.69
LADDER-10	10 ft. Ladder Section	\$168.00
LS-4364	44" Bell Safety Cage Package for Bottom of Cage	\$114.10
LS-4363	22" Bell Safety Cage Package for Bottom of Cage	\$86.80
LS-4365	44" Safety Cage Extensions	\$106.40
LS-4362	OSHA Top Safety Cage Package	\$215.60
LDSCH001	Half Hoop for Honeyville Ladder Safety Cage ( <i>2 req'd</i> )	\$7.68
LDSCS058	58 <sup>1/2</sup> " Safety Cage Strap	\$4.32

## LADDERS FOR HOPPER TANK

GSI has upgraded to roll formed ladders on all new hopper tanks. Ladder kits must be ordered separately with each new tank. Old style stamped ladders are still available as repair parts at this time.



**Hopper Collar**



**Ground Control Roof Lid**



**Bin Caulk**



**Bin Bolts**



**Roller Valve**



**Shim**



**15" Cyclone w/ Air Escape**