

# Bulk Feed Tanks

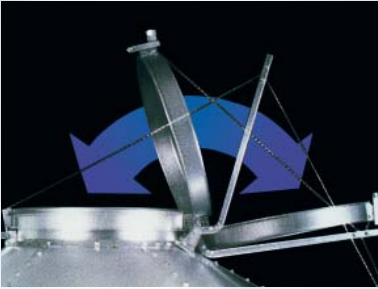
*6' to 21' diameter hopper tanks with 45, 60, & 67 degree hopper slopes.*



**"Your Complete  
Systems  
Manufacturer."**

## 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. Our cap system comes completely factory assembled, saving significant time and trouble in installation.



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.



Without Drip Lip

With Drip Lip

## Heavy Duty Boots

GSI's 16" (406mm) parabolic boot (available in straight drop or 30° models) is made from the very latest in ultra high impact polypropylene for greater flexibility, dependability and durability.



Straight Drop



Clear Straight Drop



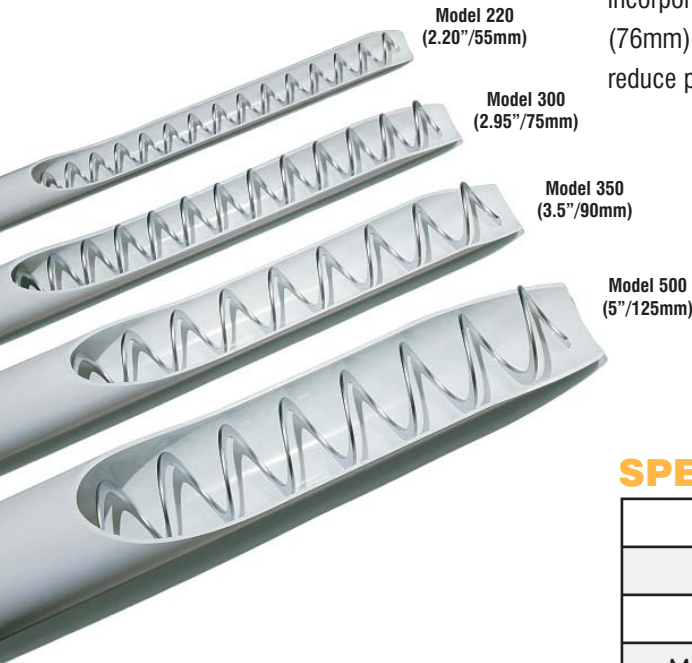
30 Degree Drop



# Flex-Flo™ Systems

## Quality Combinations

Tubing and augers are available in four sizes and five models to fit your specific requirements. Whether it's ground feed, crumble feed, mash, high moisture corn, shelled corn or pellets, GSI has the combinations to handle it.



Model 220  
(2.20"/55mm)

Model 300  
(2.95"/75mm)

Model 350  
(3.5"/90mm)

Model 500  
(5"/125mm)

## Flex-Flo™ - High Roughage System

Both tubing and augers are available in four sizes and five models with capacities ranging from 15 lbs. to 220 lbs./minute. Whether it's ground feed, crumble feed, mash, high moisture corn, shelled corn or pellets, GSI has the equipment to handle it. For corn with up to 27% moisture and other hard to flow materials, GSI also offers a Flex-Flo™ High Roughage system which incorporates a special combination of a 3" (76mm) auger in a 3-1/2" (89mm) tube to reduce plugging.

## Unloader Systems

GSI offers several unloader systems including single, twin, tandem and twin tandem models. Augers can be direct or belt driven by a 1/3 to 1-1/2 horsepower, totally enclosed fan cooled motor at a standard 358 RPM (other speeds are available for special applications). Additional grain handling accessory equipment is available including extension systems to adjust auger lengths, time clocks, automatic shut-off switches, intermediate drop kits, and y-drops.



## Metal Boots

Multiple outlet requirements can be easily handled by our 22" (559mm) all metal boot. This boot, which can be fitted to any GSI feed bin, will allow installation of up to four feed lines in several directions at once.



## SPECIFICATIONS

Model	220	300	HR	350	500
Tube Diameter O.D. (in.)	2.25"	3"	3.5"	3.5"	5"
Tube Corner Radius (ft.)	10' <sup>1</sup> / <sub>5</sub>	5'	5'	5'	6'
Max. Single System Length (ft.)	250'	200'	150'	150'	150 <sup>*</sup>
Motor Sizes at Max. Length (HP)	.5	1	1	1	1.5
Capacity (lbs/minute at 40 lbs. per cu. ft.)	15	50	50	100	220
Maximum Extension Length (at motor end of first system)	300	240	180	180	180 <sup>*</sup>

<sup>\*</sup>For high moisture corn, reduce system length by 50%.



Direct-Drive Unit



Belt-Drive Unit



90° Angle Capability

For applications requiring distances greater than the standard length of any given system, extension hoppers are available that can expand the delivery range to practically any distance and can provide access at 90° from the main line.

# SPECIFICATIONS

## Hopper Valve

Grain Systems has designed an access valve for hopper-bottom bins providing a simple, effective solution to accessing a small amount of material to a location not serviced by the auger system. Most hopper valves incorporate a slide-gate at the bottom of the shroud which means the unit is constantly full of feed...feed that sits and gets stale. GSI's flush-gate hopper valve features a unique design that positions the gate flush against the hopper, making it easier to operate, easier to keep clean and eliminating build-up of stale feed. The GSI hopper valve can be installed on the hopper panel of a new or existing feed tank. This valve is warranted and recommended only for 9' diameter, 3 ring tanks (maximum 15 tons) or smaller. It should be mounted no higher than 2" above the hopper valve collar. The hopper valve is to be used for drawing small amounts only. Do not use as the primary outlet. Doing so voids the warranty.



The GSI Hopper 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.

Part Number					Maximum Capacity			Overall Height	
Model	Dia.	No. Rings	Angle of Hopper	Bushel	Cubic Feet	Metric Tons	U.S. Tons	Feet	Meters
BFT	6	1	60°	111	137.99	2.50	2.76	10' 7"	3.25
BFT	6	2	60°	171	212.60	3.86	4.25	13' 3"	4.06
BFT	6	3	60°	231	287.20	5.21	5.74	15' 10"	4.85
BFT	6	4	60°	291	361.80	6.56	7.24	18' 7"	5.69
BFT	7	1	67°	185	230.09	4.17	4.60	13' 6"	4.12
BFT	7	2	67°	266	331.63	6.02	6.63	16' 2"	4.93
BFT	7	3	67°	348	433.17	7.86	8.66	18' 9"	5.75
BFT	7	4	67°	430	534.72	9.70	10.69	21' 6"	6.56
BFT	7	5	67°	511	636.26	11.54	12.73	24' 2"	7.37
BFT	7	6	67°	593	737.81	13.39	14.76	26' 10"	8.18
BFT	9	1	60°	308	383.88	6.96	7.69	14' 1"	4.30
BFT	9	2	60°	443	551.75	10.01	11.04	16' 9"	5.11
BFT	9	3	60°	578	719.62	13.06	14.39	19' 5"	5.92
BFT	9	4	60°	713	887.48	16.10	17.75	22' 1"	6.74
BFT	9	5	60°	848	1055.34	19.15	21.11	24' 8"	7.55
BFT	9	6	60°	983	1223.21	22.19	24.46	27' 5"	8.36
BFT	12	2	60°	923	1109.27	22.64	24.96	20' 6"	6.25
BFT	12	3	60°	1175	1407.69	28.73	31.67	23' 2"	7.06
BFT	12	4	60°	1427	1706.12	34.82	38.39	25' 10"	7.87
BFT	12	5	60°	1679	2004.54	40.91	45.10	28' 6"	8.69
BFT	12	6	60°	1931	2302.96	47.00	51.82	31' 2"	9.50
BFT	12	7	60°	2184	2602.24	53.12	58.56	33' 10"	10.31
BFT	15	2	60°	1608	1934.95	39.49	43.54	23' 11"	7.29
BFT	15	3	60°	2001	2401.22	49.00	54.03	26' 7"	8.10
BFT	15	4	60°	2395	2867.50	58.52	64.52	29' 3"	8.92
BFT	15	5	60°	2788	3333.77	68.04	75.01	31' 11"	9.73
BFT	15	6	60°	3182	3800.04	77.55	85.50	34' 7"	10.54
GHT	7	1	45°	137	170.09	3.09	3.04	9' 10"	3.02
GHT	7	2	45°	218	271.64	4.93	5.43	12' 6"	3.86
GHT	7	3	45°	300	373.18	6.77	7.46	15' 2"	4.65
GHT	7	4	45°	381	474.73	8.61	9.49	17' 10"	5.46
GHT	7	5	45°	463	576.27	10.46	11.53	20' 6"	6.27
GHT	7	6	45°	545	677.81	12.30	13.56	23' 2"	7.09
GHT	9	2	45°	388	482.73	8.75	9.65	14' 2"	4.32
GHT	9	3	45°	523	650.59	11.80	13.01	16' 10"	5.13
GHT	9	4	45°	658	818.45	14.85	16.37	19' 6"	5.94
GHT	9	5	45°	793	986.32	17.89	19.73	22' 2"	6.75
GHT	9	6	45°	927	1154.18	20.94	23.08	24' 10"	7.56
GHT	9	7	45°	1061	1322.00	23.99	26.43	27' 4"	8.37
GHT	9	8	45°	1195	1489.9	27.04	29.78	30' 0"	9.18
GHT	9	9	45°	1329	1657.8	30.09	33.13	32' 7"	9.99
GHT	9	10	45°	1463	1825.6	33.14	36.48	35' 3"	10.80
GHT	12	2	45°	786	946.87	19.34	21.30	16' 9"	5.13
GHT	12	3	45°	1039	1245.30	25.44	28.02	19' 5"	5.94
GHT	12	4	45°	1290	1543.72	31.53	34.73	22' 1"	6.76
GHT	12	5	45°	1542	1842.15	37.64	41.45	24' 8"	7.56
GHT	12	6	45°	1794	2140.57	43.73	48.16	27' 5"	8.38
GHT	12	7	45°	2045	2439.00	49.83	54.88	30' 2"	9.20
GHT	12	8	45°	2296	2737.4	55.93	61.60	32' 8"	10.02
GHT	12	9	45°	2547	3035.9	62.03	68.32	35' 5"	10.84
GHT	15	2	45°	1340	1617.32	33.04	36.39	19' 1"	5.84
GHT	15	3	45°	1733	2083.61	42.57	46.88	21' 9"	6.65
GHT	15	4	45°	2127	2549.90	52.09	57.37	24' 5"	7.46
GHT	15	5	45°	2520	3016.18	61.52	67.86	27' 1"	8.28
GHT	15	6	45°	2914	3482.47	71.15	78.36	29' 9"	9.09
GHT	15	7	45°	3307	3948.76	80.68	88.85	32' 5"	9.91
GHT	15	8	45°	3700	4415.05	90.20	99.34	35' 1"	10.72
GHT	18	2	45°	2089	2526.99	51.58	56.86	21' 6"	6.65
GHT	18	3	45°	2656	3198.44	65.29	71.97	24' 2"	7.36
GHT	18	4	45°	3222	3869.90	78.99	87.07	26' 10"	8.17
GHT	18	5	45°	3789	4541.35	92.70	102.18	29' 6"	8.99
GHT	18	6	45°	4355	5212.81	106.38	117.29	32' 2"	9.80
GHT	18	7	45°	4922	5884.26	120.09	132.40	34' 10"	10.61
GHT	18	8	45°	5488	6555.72	133.79	147.50	37' 6"	11.42
GHT	18	9	45°	6054	7227.2	147.50	162.60	40' 1"	12.23
GHT	21	2	45°	3061	3709.18	75.70	83.44	23' 9"	7.24
GHT	21	3	45°	3832	4623.55	94.36	104.01	26' 5"	8.05
GHT	21	4	45°	4603	5536.32	113.00	124.57	29' 1"	8.86
GHT	21	5	45°	5374	6450.84	131.60	145.13	31' 9"	9.68
GHT	21	6	45°	6145	7364.65	150.30	165.69	34' 5"	10.49
GHT	21	7	45°	6916	8278.5	169.00	186.30	37' 1"	11.30

Capacities for 6'-9' diameter tanks are calculated at 40 lbs. per cubic foot. Capacities for 12'-21' diameter tanks are calculated at 45 lbs. per cubic foot. Bushel capacities for 6'-9' diameter tanks are calculated with no compaction and to full cubic foot capacities. Bushel capacities for 12'-21' diameter tanks are calculated with 5% compaction and a 27° angle of repose. 6', 7' & 9' Hopper Feed Tanks are designed for the storage of material having a density of no more than 40 lbs. per cubic foot. 12'-21' Hopper Feed Tanks are designed for the storage of material having a density of no more than 45 lbs. per cubic foot.

**Warning:** GSI hopper tanks are designed for free-flowing material only. Soybean meal, meat scraps and many other materials are not free-flowing and should not be stored in these tanks.

Check with your material manufacturer or dealer to ascertain the flowability of any material you intend to use. When in doubt about a specific material, please consult Grain Systems' engineering department for additional information. Some features shown are optional or are available only on certain models. Consult with your GSI dealer for details.

