



**Grain
Systems, Inc.**

*Hopper Tank
Division*

WESTERN FARM SALES, INC.
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Hopper Tanks From Grain Systems, Inc.

*better design,
increased flowability*

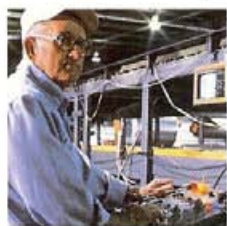
Grain Systems Delivers again



GSI, the world's largest manufacturer of corrugated galvanized storage tanks, presents a feed tank line engineered to create a faster, easier and more productive system.

The key to quality

Pride of workmanship is one of the keys to producing quality hopper tanks at GSI. Since the beginning, the people who work at GSI have been instrumental in creating and maintaining the high standards of quality for which GSI is known. Manufacturing components to fit and work together demands



co-ordination and most of all... teamwork.



Combine workmanship and

teamwork with downright hard work and enthusiasm, and you have the necessary tools to produce quality hopper tanks.



Weather tight die-formed roof

The Grain Systems' roof offers you more protection with a positive moisture-tight seal, a factor critical in maintaining dry contents.

The steep 30° roof slope provides a fast run-off to channel moisture away, while the contents of the tank remain dry and secure.

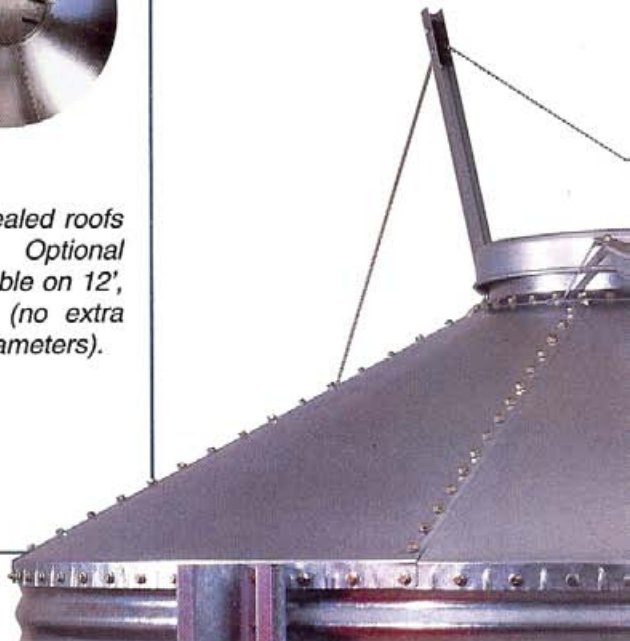
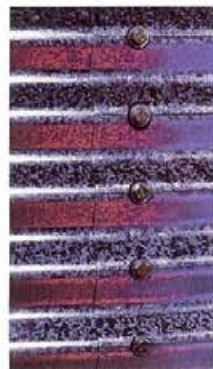
Assembly and erection of this roof is made easy by the use of die-formed punched panels. This precision engineering assures that all bolt holes line up perfectly so no assembly time is wasted.

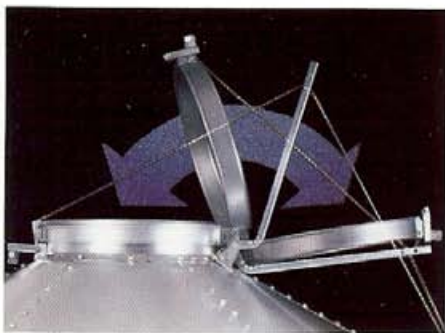


All hopper tanks have sealed roofs as standard equipment. Optional grain bin roofs are available on 12', 15', and 18' diameters. (no extra charge on 15' and 18' diameters).

Stronger engineered sidewalls

The sidewall design of GSI hopper tanks features 55,000 PSI high tensile galvanized steel with a G-90 commercial galvanized coating. This, combined with a 2-2/3 inch wide and 1/2 inch deep corrugation, ensures long hopper tank life.

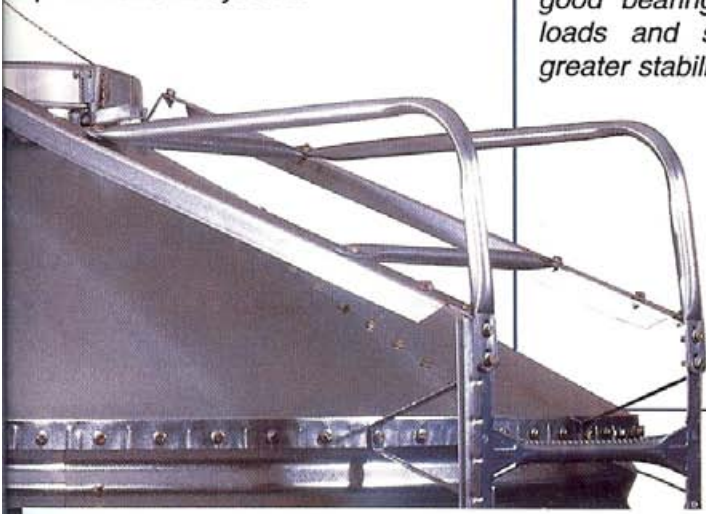




Ground controlled fill caps

Opening and closing of the fill cap is made easy by our spring loaded, Auto-Lok ground control. Offered as a standard tank feature, this factory assembled control has a single chain to operate the entire opening, closing, and latching process. In the open position, the lid lays parallel to the ground to insure ease of filling the tank, along with eliminating the possibility of damage from the fill auger. In the closed position, the lid is automatically and securely locked down by the gravity assisted, positive latching mechanism.

An alternative to this package includes a manual hold-down latch and a sealing gasket for use with a pneumatic fill system.



Galvanized roll-formed legs

This unique and distinctive roll-formed leg has six separate bends which make this leg column substantially stronger than competitive angle iron legs with only one bend. More bends result in more strength.

GSI's fully galvanized high strength steel provides greater corrosion resistance and longer life than the painted legs of some competitors.



Leg anchors

Die-formed, galvanized, two-piece anchors bolt to the bottom of the roll-formed legs and provide a good bearing surface to transfer loads and secure the tank for greater stability.



Engineered leg bracing systems

GSI hopper bins are equipped with strong bracing systems for greater strength, stability and support where it really counts. Roll-formed hopper braces, leg braces and x-braces provide optimum structural support.

Fast flowing hopper bottom

GSI offers 3 different sloped hoppers to handle most feeds and grains effectively. Forty-five degree hoppers are for the easy flowing materials, while the 60° and 67° hoppers are for harder flowing materials.

The narrow end of all GSI hopper sheets are offset outward, making the hopper collar attachment a smooth internal transition for optimum feed flow.

Like GSI roof panels, GSI hopper panels have formed sealing edges, providing a weather-tight fit when compressed with fasteners.

All hopper panels are assembled with rounded truss-head bolts to eliminate bridging feed or grain on bolt heads.



SPECIFICATIONS

MODEL	PART NUMBER		ANGLE OF HOPPER	BUSHELS	MAXIMUM CAPACITY			OVERALL HEIGHT	
	DIAMETER	NO. RINGS			CUBIC FEET	METRIC TONS	U.S. TONS	FEET	METERS
BFT	6	1	60°	111	137.99	2.50	2.76	107"	3.23
BFT	6	2	60°	171	212.60	3.86	4.25	133"	4.04
BFT	6	3	60°	231	287.20	5.21	5.74	1511"	4.85
BFT	6	4	60°	291	361.80	6.56	7.24	187"	5.68
BFT	7	1	67°	185	230.09	4.17	4.60	136"	4.12
BFT	7	2	67°	266	331.63	6.02	6.63	162"	4.93
BFT	7	3	67°	348	433.17	7.86	8.66	1810"	5.75
BFT	7	4	67°	430	534.72	9.70	10.69	216"	6.56
BFT	7	5	67°	511	636.26	11.54	12.73	242"	7.37
BFT	7	6	67°	593	737.81	13.39	14.76	2610"	8.18
BFT	9	2	60°	443	551.75	10.01	11.04	169"	5.11
BFT	9	3	60°	578	719.62	13.06	14.39	195"	5.92
BFT	9	4	60°	713	887.48	16.10	17.75	221"	6.74
BFT	9	5	60°	848	1055.34	19.15	21.11	249"	7.55
BFT	9	6	60°	983	1223.21	22.19	24.46	275"	8.36
BFT	12	2	60°	923	1109.27	22.64	24.96	206"	6.25
BFT	12	3	60°	1175	1407.69	28.73	31.67	232"	7.06
BFT	12	4	60°	1427	1706.12	34.82	38.39	2510"	7.67
BFT	12	5	60°	1679	2004.54	40.91	45.10	286"	8.69
BFT	12	6	60°	1931	2302.96	47.00	51.82	312"	9.50
BFT	15	2	60°	1608	1934.85	39.49	43.54	2311"	7.29
BFT	15	3	60°	2001	2401.22	49.00	54.03	267"	8.10
BFT	15	4	60°	2395	2867.50	58.52	64.52	293"	8.92
BFT	15	5	60°	2788	3333.77	68.04	75.01	3111"	9.73
BFT	15	6	60°	3182	3800.04	77.55	85.50	347"	10.54
BFT	7	1	45°	137	170.09	3.09	3.40	910"	3.02
BFT	7	2	45°	218	271.64	4.93	5.43	126"	3.83
BFT	7	3	45°	300	373.18	6.77	7.46	152"	4.65
BFT	7	4	45°	381	474.73	8.61	9.49	1710"	5.46
BFT	7	5	45°	463	576.27	10.46	11.53	206"	6.27
BFT	7	6	45°	545	677.81	12.30	13.56	232"	7.09
BFT	9	2	45°	388	482.73	8.76	9.65	142"	4.32
BFT	9	3	45°	523	650.59	11.80	13.01	1610"	5.13
BFT	9	4	45°	658	818.45	14.85	16.37	196"	5.94
BFT	9	5	45°	793	986.32	17.89	19.73	222"	6.75
BFT	9	6	45°	927	1154.18	20.94	23.08	2410"	7.56
BFT	12	2	45°	786	946.87	19.34	21.30	169"	5.13
BFT	12	3	45°	1039	1245.30	25.44	28.02	195"	5.94
BFT	12	4	45°	1290	1543.72	31.53	34.73	221"	6.76
BFT	12	5	45°	1542	1842.15	37.64	41.45	249"	7.58
BFT	12	6	45°	1794	2140.57	43.73	48.16	275"	8.38
BFT	12	7	45°	2045	2439.00	49.83	54.88	301"	9.20
BFT	15	2	45°	1340	1617.32	33.04	36.39	191"	5.84
BFT	15	3	45°	1733	2083.61	42.57	46.88	219"	6.65
BFT	15	4	45°	2127	2549.90	52.09	57.37	245"	7.46
BFT	15	5	45°	2520	3016.18	61.52	67.66	271"	8.28
BFT	15	6	45°	2914	3482.47	71.15	78.36	299"	9.09
BFT	15	7	45°	3307	3948.76	80.68	88.85	325"	9.91
BFT	15	8	45°	3700	4415.05	90.20	99.34	351"	10.72
BFT	18	2	45°	2089	2526.99	51.58	56.86	216"	6.55
BFT	18	3	45°	2656	3188.44	65.29	71.97	242"	7.36
BFT	18	4	45°	3222	3869.90	78.99	87.07	2610"	8.17
BFT	18	5	45°	3789	4541.35	92.70	102.18	296"	8.99
BFT	18	6	45°	4355	5212.81	106.38	117.29	322"	9.80
BFT	18	7	45°	4922	5884.26	120.09	132.40	3410"	10.61
BFT	18	8	45°	5488	6555.72	133.79	147.50	376"	11.42
BFT	21	2	45°	3061	3709.18	75.70	83.44	239"	7.24
BFT	21	3	45°	3832	4623.55	94.36	104.01	265"	8.05
BFT	21	4	45°	4603	5536.32	113.00	124.57	291"	8.86
BFT	21	5	45°	5374	6450.84	131.60	145.13	319"	9.68
BFT	21	6	45°	6145	7364.65	150.30	165.69	345"	10.49

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 just certain models. Ask your GSI dealer for details.



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