



## STIFFENED AND UNSTIFFENED FARM BINS



*Precision engineered for  
outstanding performance!*

[agri.chiefind.com](http://agri.chiefind.com)

***Trusted. Tested. True.®***



# CHIEF STIFFENED AND UNSTIFFENED BINS



If you're looking for the best value in grain bins, take a close look at Chief. Each Chief bin is precision engineered to provide outstanding strength, reduced material costs, easier installation, and optimum grain protection. When you purchase a Chief bin, you're assured of receiving the right solution for your unique grain handling needs and service that meets your total satisfaction.

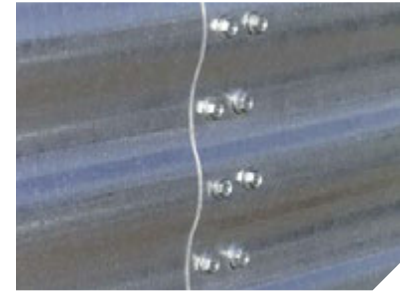
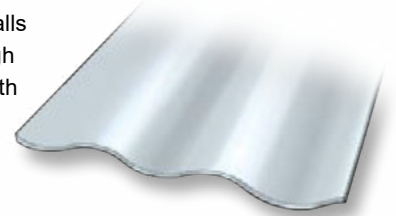
## Chief has the stiffened or unstiffened bin to meet your exact grain storage needs.

Your Chief representative will help you determine what bins will best meet your requirements, and make sure they are expertly constructed and ready when you need them.



## Optimum grain protection begins with Chief's steel sidewall system.

- Our corrugated steel sidewalls are of high quality 20 through 8 gauge galvanized steel with tensile strength up to 70 ksi (483 MPa) for increased load capacities.
- The 4.714" (11.97 cm) peak-to-peak corrugation of the sidewalls is  $\frac{3}{4}$ " (1.905 cm) wider than those of the closest competition, reducing the chance for material to collect on the inner walls.
- Chief's 42.5" (107.7 cm) sidewalls increase load capacities and require less hardware than the 32" (81.28 cm) sidewall sections of competing bins. This reduces costly installation time.
- The sidewall steel has a standard G115 (350g/m<sup>2</sup>) galvanized coating that provides over 28% more corrosion resistance than the G90 (275g/m<sup>2</sup>) industry standard.
- The unique corrugation has a hill-and-valley bolting system using larger grade-8 bolts with conical sealing washers and serrated flange nuts. This gives Chief bins additional strength to better handle larger vertical load capacities, taller sidewall heights, and more down augers than most competing bins.



## Anchor system provides solid base

By firmly anchoring the stiffeners and sidewalls solidly to the foundation, Chief stiffened and unstiffened farm bins provide strong resistance to lateral movement and uplift. Chief offers two anchor system models, depending upon the size of the bin.



# PRECISION ENGINEERED FOR OUTSTANDING STRENGTH

## Chief roof systems are top of the line

The roofs on Chief Agri grain bins are engineered to provide additional storage capacity, optimum protection against the elements, and easier access for loading the grain.

### Standard V-Rib Roof Design

Chief's V-rib roof design uses over 30% more roof ribs than leading competitors, providing a cover of exceptional strength for smaller bins without a structured roof. Grain bins through 27' 10" diameter have a 2½" depth. Bins from 30' 11" through 49' 6" diameter have a 4" rib depth. V-rib roofs are of the same G140 high quality galvanized steel as our commercial roof.



### Optional J-Rib Roof Design

J-rib roof panels are of high quality galvanized steel with a 2.5" (6.35 cm) interlocking "J" rib design that assembles easily for reduced construction time. The structured "J" rib design gives the finished roof the strength it needs to support roof stairs and most conveyors.



## Vents and Roof Exhausters

Chief offers one of the industry's most complete exhaust lines. All vents install easily and are designed to minimize build-up of ice and foreign materials. Pre-punched roof panels make installation quick and easy!



## Chief stiffened farm bins offer optimum strength.

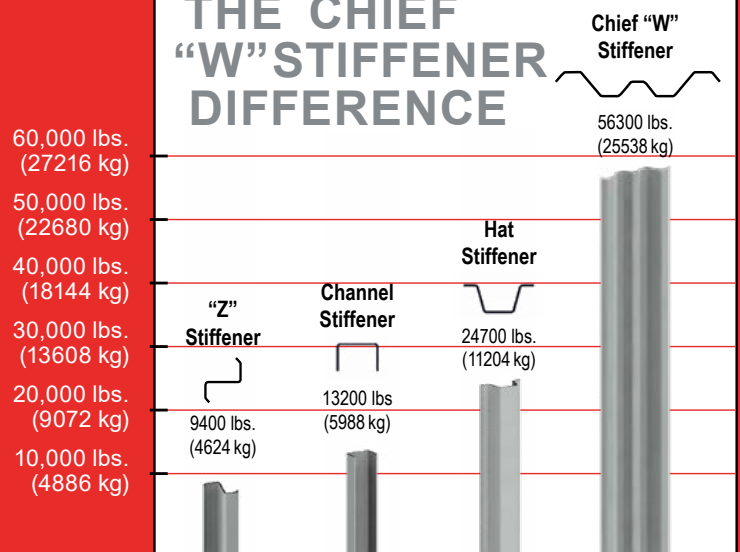
### Chief's "W" stiffeners lead the competition in strength.

Chief Stiffened bins feature exclusive exterior "W" stiffeners that are designed to bear almost twice the weight of other stiffener designs. Designed to support the vertical load, the "W" stiffener system provides additional strength, allowing sidewall heights to exceed 100 feet (30.48 m). It also enables our bins to easily support overhead catwalks and conveyors.

Plate-to-plate connections provide positive load transfer down the stiffener column, eliminating complex shear-load splicing. Unique "W" stiffeners on the bin's exterior help prevent grain from accumulating on the inside walls.



## THE CHIEF "W" STIFFENER DIFFERENCE





# THE ULTIMATE IN GRAIN PROTECTION

## Chief's door systems make maintenance easier.

Chief offers one-ring double-portal frame doors or two-ring walk-thru doors. The door frames are hot-dip galvanized for superior corrosion resistance.

### One-ring doors

One-ring frame doors measure a generous 26" (.66m) wide by 38" (.96m) tall. (Standard for stiffened bins.)



### Two-ring doors

Chief's large 'easy-walk' door measures 26" (.66m) wide x 62" (1.57m) tall. With no brackets or hooks attached to the entry frame, a person can move through the door without fear of catching on obstructions.



### Easy latch system

The easy latch system on the inside and outside panels allow entry without the need for any tools. The lockable outside cover secures contents and protects against unauthorized entry.



### Roof stairs

Chief bins offer stairs with handrails that make accessing the bin's midsection and peak safer and more convenient.



### Padlocked ladder access

This optional safety feature prevents unauthorized access to the ladders.



### Bin stairs, ladders, and platforms

Chief offers optional bin stairs as well as standard inside/outside ladders, platforms, and safety cages. All are galvanized and meet OSHA requirements.

### Grain monitoring system

Chief Agri is a distributor of highly sophisticated grain storage monitoring products, ranging from simple handheld monitoring units to complete computer-controlled grain management systems.



### 5-year limited warranty

Chief farm bins are covered by a five-year limited warranty – one of the best in the industry. Bin accessories are covered by a one-year limited warranty. For more information about our warranties, contact the Chief Agri dealer nearest you.

# CHIEF STIFFENED AND UNSTIFFENED FARM BIN SPECS

Dia.	Bin Model #	HEIGHT				ESTIMATED STORAGE CAPACITY				
		Eave Height (ft)	Overall Height (ft)	Eave Height (M)	Overall Height (M)	Level to Eave Capacity (Bushels)	Filled to Peak Capacity (Bushels)	Filled to Peak Capacity (M Ton)	Filled to Eave Capacity (Cub. M)	Filled to Peak Capacity (Cub. M)
All Dia 15'6" (4.7 m)	CB/CBU 5-4	14'2"	18'4"	4.3	5.6	2,076	2296	58	69	76
	CB/CBU 5-5	17'8"	21'10"	5.4	6.6	2,642	2862	73	88	95
	CB/CBU 5-6	21'3"	25'5"	6.5	7.8	3,208	3428	87	107	114
	CB/CBU 5-7	24'9"	28'11"	7.5	8.8	3,774	3994	101	125	133
	CB/CBU 5-8	28'3"	32'5"	8.6	9.9	4,340	4560	116	144	152
	CB/CBU 5-9	31'10"	36'	9.7	11	4,906	5126	130	163	170
All Dia 18'7" (5.7 m)	CB/CBU 6-4	14'2"	19'3"	4.3	5.9	2,990	3369	86	99	112
	CB/CBU 6-5	17'8"	22'9"	5.4	6.9	3,805	4184	106	126	139
	CB/CBU 6-6	21'3"	26'4"	6.5	8	4,620	4999	127	154	166
	CB/CBU 6-7	24'9"	29'10"	7.5	9.1	5,435	5814	148	181	193
	CB/CBU 6-8	28'3"	33'4"	8.6	10.2	6,250	6629	168	208	220
	CB/CBU 6-9	31'10"	36'11"	9.7	11.2	7,065	7444	189	235	247
All Dia 21'8" (6.6 m)	CB/CBU 7-4	14'2"	20'2"	4.3	6.2	4,071	4673	119	135	155
	CB/CBU 7-5	17'8"	23'8"	5.4	7.2	5,180	5782	147	172	192
	CB/CBU 7-6	21'3"	27'3"	6.5	8.3	6,289	6891	175	209	229
	CB/CBU 7-7	24'9"	30'9"	7.5	9.4	7,398	8000	203	246	266
	CB/CBU 7-8	28'3"	34'3"	8.6	10.4	8,507	9109	231	283	303
	CB/CBU 7-9	31'10"	37'10"	9.7	11.5	9,617	10219	260	320	340
All Dia 24'9" (7.5 m)	CB/CBU 8-4	14'2"	21'1"	4.3	6.4	5,317	6216	158	177	207
	CB/CBU 8-5	17'8"	24'7"	5.4	7.5	6,766	7664	195	225	255
	CB/CBU 8-6	21'3"	28'2"	6.5	8.6	8,215	9113	231	273	303
	CB/CBU 8-7	24'9"	31'8"	7.5	9.6	9,663	10562	268	321	351
	CB/CBU 8-8	28'3"	35'2"	8.6	10.7	11,112	12011	305	369	399
	CB/CBU 8-9	31'10"	38'9"	9.7	11.8	12,561	13460	342	418	447
All Dia 24' (7.3 m)	CBUE 8-4	14'2"	21'	4.3	6.4	4,944	5750	146	164	191
	CBUE 8-5	17'8"	24'7"	5.4	7.5	6,292	7098	180	209	236
	CBUE 8-6	21'3"	28'1"	6.5	8.6	7,640	8447	215	254	281
	CBUE 8-7	24'9"	31'8"	7.5	9.6	8,988	9795	249	299	326
	CBUE 8-8	28'3"	35'2"	8.6	10.7	10,336	11143	283	344	370
	CBUE 8-9	31'10"	38'9"	9.7	11.8	11,684	12491	317	388	415
All Dia 27'10" (8.5 m)	CB/CBU 9-4	14'2"	21'11"	4.3	6.7	6,730	8010	203	224	266
	CB/CBU 9-5	17'8"	25'5"	5.4	7.8	8,564	9844	250	285	327
	CB/CBU 9-6	21'3"	29'	6.5	8.8	10,397	11677	297	346	388
	CB/CBU 9-7	24'9"	32'6"	7.5	9.9	12,231	13511	343	407	449
	CB/CBU 9-8	28'3"	36'	8.6	11	14,064	15344	390	468	510
	CB/CBU 9-9	31'10"	39'7"	9.7	12.1	15,898	17178	436	529	571
All Dia 27' (8.2 m)	CBUE 9-4	14'2"	21'11"	4.3	6.7	6,257	7405	188	208	246
	CBUE 9-5	17'8"	25'5"	5.4	7.8	7,963	9111	231	265	303
	CBUE 9-6	21'3"	29'	6.5	8.8	9,669	10818	275	321	360
	CBUE 9-7	24'9"	32'6"	7.5	9.9	11,375	12524	318	378	416
	CBUE 9-8	28'3"	36'	8.6	11	13,081	14230	361	435	473
	CBUE 9-9	31'10"	39'7"	9.7	12.1	14,788	15936	405	492	530
All Dia 30'11" (9.4 m)	CB/CBU 10-4	14'2"	22'10"	4.3	7	8,309	10064	256	276	335
	CB/CBU 10-5	17'8"	26'4"	5.4	8	10,572	12328	313	351	410
	CB/CBU 10-6	21'3"	29'11"	6.5	9.1	12,836	14591	371	427	485
	CB/CBU 10-7	24'9"	33'5"	7.5	10.2	15,100	16855	428	502	560
	CB/CBU 10-8	28'3"	36'11"	8.6	11.2	17,363	19119	486	577	636
	CB/CBU 10-9	31'10"	40'6"	9.7	12.3	19,627	21382	543	652	711
	CB/CBU 10-10	35'4"	44'	10.8	13.4	21,891	23646	601	728	786

Dia.	Bin Model #	HEIGHT				ESTIMATED STORAGE CAPACITY				
		Eave Height (ft)	Overall Height (ft)	Eave Height (M)	Overall Height (M)	Level to Eave Capacity (Bushels)	Filled to Peak Capacity (Bushels)	Filled to Peak Capacity (M Ton)	Filled to Eave Capacity (Cub. M)	Filled to Peak Capacity (Cub. M)
All Dia 30" (9.1 m)	CBUE 10-4	14'2"	22'9"	4.3	6.9	7,724	9300	236	257	309
	CBUE 10-5	17'8"	26'3"	5.4	8	9,831	11406	290	327	379
	CBUE 10-6	21'3"	29'10"	6.5	9.1	11,937	13512	343	397	449
	CBUE 10-7	24'9"	33'4"	7.5	10.2	14,043	15619	397	467	519
	CBUE 10-8	28'3"	36'11"	8.6	11.2	16,150	17725	450	537	589
	CBUE 10-9	31'10"	40'5"	9.7	12.3	18,256	19832	504	607	659
All Dia 34'0" (10.4 m)	CBUE 10-10	35'4"	44'	10.8	13.4	20,363	21938	557	677	729
	CB/CBU 11-4	14'2"	23'9"	4.3	7.2	10,054	12390	315	334	412
	CB/CBU 11-5	17'8"	27'3"	5.4	8.3	12,793	15129	384	425	503
	CB/CBU 11-6	21'3"	30'10"	6.5	9.4	15,532	17868	454	516	594
	CB/CBU 11-7	24'9"	34'4"	7.5	10.5	18,271	20607	523	607	685
	CB/CBU 11-8	28'3"	37'10"	8.6	11.5	21,010	23346	593	698	776
All Dia 37'1" (11.3 m)	CB/CBU 11-9	31'10"	41'5"	9.7	12.6	23,749	26086	663	790	867
	CB/CBU 11-10	35'4"	44'11"	10.8	13.7	26,488	28825	732	881	958
	CB/CBU 12-5	17'8"	28'5"	5.4	8.7	15,225	18258	464	506	607
	CB/CBU 12-6	21'3"	32'	6.5	9.8	18,485	21518	547	615	715
	CB/CBU 12-7	24'9"	35'6"	7.5	10.8	21,745	24778	629	723	824
	CB/CBU 12-8	28'3"	39'	8.6	11.9	25,004	28037	712	831	932
All Dia 37'10" (11.5 m)	CB/CBU 12-9	31'10"	42'7"	9.7	13	28,264	31297	795	940	1,040
	CB/CBU 12-10	35'4"	46'1"	10.8	14	31,524	34557	878	1,048	1,149
	CBUE 12-4	14'2"	24'6"	4.3	7.5	11,123	13845	352	370	460
	CBUE 12-5	17'8"	28'	5.4	8.5	14,156	16878	429	471	561
	CBUE 12-6	21'3"	31'7"	6.5	9.6	17,189	19911	506	571	662
	CBUE 12-7	24'9"	35'1"	7.5	10.7	20,222	22945	583	672	763
All Dia 36" (11 m)	CBUE 12-8	28'3"	38'7"	8.6	11.8	23,256	25978	660	773	864
	CBUE 12-9	31'10"	42'2"	9.7	12.8	26,289	29011	737	874	964
	CBUE 12-10	35'4"	45'8"	10.8	13.9	29,322	32044	814	975	1,065
	CB/CBU 14-5	17'8"	30'7"	5.4	9.3	20,719	25535	649	689	849
	CB/CBU 14-6	21'3"	34'2"	6.5	10.4	25,156	29972	761	836	996
	CB/CBU 14-7	24'9"	37'8"	7.5	11.5	29,593	34409	874	984	1,144
All Dia 43'4" (13.2 m)	CB/CBU 14-8	28'3"	41'2"	8.6	12.6	34,030	38846	987	1,131	1,291
	CB/CBU 14-9	31'10"	44'9"	9.7	13.6	38,467	43283	1,099	1,279	1,439
	CB/CBU 14-10	35'4"	48'3"	10.8	14.7	42,903	47720	1,212	1,426	1,586
	CBUE 14-4	14'2"	26'7"	4.3	8.1	15,139	19462	494	503	647
	CBUE 14-5	17'8"	30'2"	5.4	9.2	19,268	23591	599	641	784
	CBUE 14-6	21'3"	33'8"	6.5	10.3	23,396	27719	704	778	921
All Dia 42" (12.8 m)	CBUE 14-7	24'9"	37'2"	7.5	11.3	27,525	31848	809	915	1,059
	CBUE 14-8	28'3"	40'9"	8.6	12.4	31,653	35976	914	1,052	1,196
	CBUE 14-9	31'10"	44'3"	9.7	13.5	35,782	40105	1,019	1,190	1,333
	CBUE 14-10	35'4"	47'10"	10.8	14.6	39,910	44234	1,124	1,327	1,471
	CB/CBU 16-5	17'8"	32'4"	5.4	9.9	27,063	34253	870	900	1,139
	CB/CBU 16-6	21'3"	35'11"	6.5	11	32,858	40048	1,017	1,092	1,331
All Dia 49'6" (15.1 m)	CB/CBU 16-7	24'9"	39'5"	7.5	12	38,653	45843	1,164	1,285	1,524
	CB/CBU 16-8	28'3"	42'11"	8.6	13.1	44,449	51638	1,312	1,478	1,717
	CB/CBU 16-9	31'10"	46'6"	9.7	14.2	50,244	57433	1,459	1,670	1,909
	CB/CBU 16-10	35'4"	50'	10.8	15.2	56,039	63228	1,606	1,863	2,102
	CBUE 16-4	14'2"	28'4"	4.3	8.6	19,773	26226	666	657	872
	CBUE 16-5	17'8"	31'10"	5.4	9.7	25,165	31618	803	837	1,051
All Dia 48" (14.6 m)	CBUE 16-6	21'3"	35'4"	6.5	10.8	30,558	37011	940	1,016	1,230
	CBUE 16-7	24'9"	38'11"	7.5	11.9	35,950	42403	1,077	1,195	1,410
	CBUE 16-8	28'3"	42'5"	8.6	12.9	41,342	47795	1,214	1,374	1,589
	CBUE 16-9	31'10"	46'	9.7	14	46,735	53188	1,351	1,554	1,768
	CBUE 16-10	35'4"	49'6"	10.8	15.1	52,127	58580	1,488	1,733	1,947

**NOTE:** Metric ton capacity is based on a bulk density of 56 lbs/bushel (721 Kg/m3).

All capacities are based on 6% compaction factor & 28° angle of repose.

\*except cubic meter capacities which have no compaction factor.



# Complete Systems for all your Grain Conditioning, Material Handling and Storage Needs

Chief Agri offers a comprehensive selection of aeration systems, grain dryers, catwalks and towers, conveyors, and elevators. Our full line of grain management products can complete your grain storage system, helping to minimize storage costs and maximize your profits. Our products are made to meet or exceed industry standards, using heavy-duty materials and efficient designs to provide dependable service for years to come.

## Material Handling Systems



## Chief Grain Dryers



## Catwalk and Tower Systems



## Caldwell Grain Dryers



## Caldwell Aeration Systems



Chief Agri is a division of Chief Industries, Inc. Established in 1954, Chief Industries, Inc. is a diversified organization providing a balanced range of products and services through its many divisions and subsidiaries.



**Chief products are engineered to last. So are the relationships we build with our customers!**

At Chief Agri, we listen carefully to our customers and monitor industry trends. As a result, our engineers continually find ways to help farmers store more grain, better protect it from the elements, and access it more easily.

Thanks to our wide range of bin sizes and design options, your Chief dealer can provide you with a grain storage system that fits your operation and will help boost your bottom line. And whenever you have a question or need assistance, you can count on Chief to be responsive to your needs.



# CHIEF<sup>®</sup>

## AGRI

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