



COMMERCIAL GRAIN STORAGE SILOS





INDUSTRY-LEADING PRODUCTS

Backed by decades of storage design and manufacturing experience, BROCK® Commercial Grain Storage Silos offer commercial users the best built-in value over the life of the product. Brock's industry-leading approach to grain storage products provides:

- **A growing line** of products designed to help save labor and money.
- **More models and choices** so you can get the silo you need. Single silo capacities range up to 24,200 m³ (729,000 bushels).
- **More innovative, user-friendly features** to help you maintain and protect your valuable stored grain.
- **Top quality performance**, classic product durability and ease of use closely associated with the BROCK® name. Design *does* matter!
- **Brock's industry-leading five-year warranty** program on commercial grain silos – we believe we have the best warranty in the industry! See Brock's full written warranty for complete warranty details.
- **Service ...** from planning to installation ... and beyond.



BROCK® Commercial Hopper-Bottom Silos offer you a variety of sizes, features, and capacities to meet your needs. The largest 9.14-meter (30-foot) diameter silo holds 1,332 m³ (over 40,000 bushels).



Brock's team of professionals can also help provide you with innovative grain handling, conditioning and drying solutions. Call us today to learn more.

Brock's single silo capacities range up to 24,200 m³ (729,000 bushels).

Brock
Grain Systems
is a Division of
CTB, Inc.,
a Berkshire
Hathaway
Company.



Brock's reputation for being DIFFERENT BY DESIGN™ and commitment to excellence provide real differences like:

- **Design integrity** from the smallest to the largest silo – over 700 models now available.
- **Worldwide reputation** for high quality and reliability.



- A wide variety of silo accessories like doors, sidewall and roof stairs, ladders, floors and roof peak work platforms as well as related grain handling, conditioning and drying systems.
- **Foundation drawings**, custom aeration packages and planning assistance available.



Diameter-Based Roof Options Balance Performance, Price

Roof strength of a commercial grain silo is critical. To help you balance performance with price, Brock offers diameter-based roof options with peak loads ranging up to a maximum of 11,300 kg (25,000 pounds). These options can help you to cost-effectively choose the right roof strength necessary to meet the demands of your grain handling system.

Maximum Grain-Holding Steel at All Levels for Greater Strength

- Sidewall body sheets are 8- through 20-gauge commercial-grade G-90 galvanized steel with a tensile strength up to 448 MPa (65,000 psi) minimum to protect grain and provide maximum strength at all levels.
- Identification codes on every body sheet provide manufacturing date, part number and steel gauge.
- On taller silos, Brock uses two sidewall panels laminated together for greater strength.



Strong Stiffener Design

Brock's unique all-galvanized steel sidewall stiffener is an industry leader and mounts either outside or inside of silo.



Sidewalls are assembled using Brock's high-strength Grade 8.2 silo seal bolts with special JS-500™ weather-resistant coating. Optional Brock polypropylene-encapsulated head bolts provide enhanced corrosion resistance.

BROCK SILO ROOF PEAK LOADS						
SILO DIAMETER		ALLOWABLE PEAK LOAD ¹		ALLOWABLE PEAK LOAD ²		TEMPERATURE CABLES
METERS	FEET	KILOGRAMS	POUNDS	KILOGRAMS	POUNDS	
14.6	48	4,500	10,000	3,600	8,000	**Yes
16.5	54	4,500	10,000	3,600	8,000	**Yes
18.3	60	6,100	13,500	4,500	10,000	Yes
21.9	72	7,300	16,000	4,500	10,000	Yes
23.8	78	7,900	17,500	4,500	10,000	Yes
27.4	90	9,100	20,000	4,500	10,000	Yes
32.0	105	11,300	25,000	9,100	20,000	Yes

¹ Allowable peak loads with 195 kilograms per square meter (40 pounds per square foot) ground snow load.

² Allowable peak loads with 244 kilograms per square meter (50 pounds per square foot) ground snow load.

** Commercial silos 14.6 and 16.5 m (48 and 54 feet) in diameter require an add-on temperature cable package if temperature cables are desired. Brock 18.3 through 32.0 m (60- through 105-foot) diameter commercial silos are designed to allow for the use of temperature cables in addition to the allowable peak loads posted.

Solid Anchoring of Large Silos for Single-Pass Sweep Operation

Unique Brock FULL SWEEP® Silo Anchoring System:

- Is standard on all BROCK® Commercial Grain Silos 22 m (72 feet) in diameter and larger.
- Safely handles normal silo stresses generated during single-pass sweep operation.
- Saves time, reduces labor and eliminates the need for silo entry during the sweep process.
- Firmly reinforces Brock's bottom-tier sidewall body sheet to anchor the silo and to prevent moisture penetration.



This is a sampling of the many narrow-corrugation (68-mm/2.66-in.) sidewall silo sizes Brock offers.

NARROW CORRUGATION COMMERCIAL GRAIN SILOS				
Diameter Meters (Feet)	Model Number	Maximum Capacity †		Fill Height Meters
		(Peaked) Storage	Eave Height	
		M ³	Meters	
12.8 M (42 FT.)	85-04222	2421	17.93	21.49
	85-04224	2628	19.56	23.10
	85-04226	2834	21.18	24.75
	85-04228	3041	22.81	26.37
	85-04230	3248	24.43	27.98
	85-04232	3455	26.05	29.63
	85-04234	3662	27.67	31.24
	85-04235	3765	28.48	32.06
14.6 M (48 FT.)	85-04822	3189	17.93	21.67
	85-04824	3459	19.56	23.32
	85-04826	3729	21.18	24.93
	85-04828	4000	22.81	26.55
	85-04830	4270	24.43	28.19
	85-04832	4540	26.05	29.81
	85-04834	4810	27.67	31.42
	85-04835	4945	28.48	32.25
16.5 M (54 FT.)	85-05424	4413	19.56	23.84
	85-05426	4754	21.18	25.45
	85-05428	5096	22.81	27.07
	85-05430	5438	24.43	28.71
	85-05432	5780	26.05	30.33
	85-05434	6122	27.67	31.94
	85-05436	6464	29.29	33.59
18.3 M (60 FT.)	85-06024	5490	19.56	24.26
	85-06026	5912	21.18	25.88
	85-06028	6334	22.81	27.49
	85-06030	6756	24.43	29.14
	85-06032	7179	26.05	30.75
	85-06034	7601	27.67	32.37
	85-06036	8023	29.29	34.02
	85-06037	8234	30.10	34.81

NARROW CORRUGATION COMMERCIAL GRAIN SILOS					
Diameter Meters (Feet)	Model Number	Maximum Capacity †		Fill Height Meters	
		(Peaked) Storage	Eave Height		
		M ³	Meters		
22.0 M (72 FT.)	85-07224	8027	19.56	25.30	
	85-07226	8635	21.18	26.91	
	85-07228	9243	22.81	28.56	
	85-07230	9851	24.43	30.18	
	85-07232	10459	26.05	31.79	
	85-07234	11067	27.67	33.44	
	85-07236	11675	29.29	35.05	
	85-07237	11979	30.10	35.87	
	22.9 M (75 FT.)	85-07524	8743	19.56	25.42
		85-07526	9403	21.18	27.04
85-07528		10062	22.81	28.68	
85-07530		10722	24.43	30.30	
85-07532		11382	26.05	31.91	
85-07534		12042	27.67	33.56	
85-07536		12701	29.29	35.17	
85-07537		13031	30.10	36.00	
23.8 M (78 FT.)	85-07824	9492	19.56	25.69	
	85-07826	10206	21.18	27.31	
	85-07828	10919	22.81	28.93	
	85-07830	11633	24.43	30.57	
	85-07832	12346	26.05	32.19	
	85-07834	13060	27.67	33.80	
	85-07836	13774	29.29	35.45	
	85-07837	14130	30.10	36.24	
	27.4 M (90 FT.)	85-09022	11877	17.93	25.12
		85-09024	12827	19.56	26.73
85-09026		13777	21.18	28.35	
85-09028		14727	22.81	29.99	
85-09030		15677	24.43	31.61	
85-09032		16627	26.05	33.22	
85-09034		17577	27.69	34.87	
85-09036		18528	29.32	36.48	
32.0 M (105 FT.)		85-10520	15194	16.31	24.81
		85-10522	16487	17.93	26.43
	85-10524	17781	19.56	28.04	
	85-10526	19074	21.18	29.69	
	85-10528	20367	22.80	31.30	
	85-10530	21661	24.42	32.92	
	85-10532	22954	26.04	34.56	
	85-10534	24247	27.66	36.18	

† Maximum Capacity for a silo allows for grain to be at the normal (28-degree) angle of repose, starting 25 mm (one inch) below the eave. The grain capacities listed above are based on ASAE Standard: ASAE S413, plus a compaction factor of 6%. Silos are designed to meet code requirements for 145 km/h (90 mph) wind zones and seismic zone 1. Standard roof peak capacities vary from 1,100 to 11,300 kg (2,500 to 25,000 pounds) depending on silo diameter. In the pursuit of LEADERSHIP THROUGH INNOVATION®, we reserve the right to change specifications without prior notice.

Because you will customize your grain storage system to your unique needs, not all potentially dangerous or harmful situations can be identified by Brock Grain Systems at the time the silo components and accessories are manufactured. Therefore, it is essential that you think safety first and pay close attention to all possible hazards within your storage systems.



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