

# Hopper-Bottom Holding Bins



BROCK® Narrow Corrugation Non-Stiffened Hopper-Bottom Bins						
Bin Size		Maximum Capacity* Peaked Storage			Fill Height	
Diameter (Meters)	Bin Model	Bushels	U.S. Tons Corn	Metric Tons Corn	Feet/ Inches	Meters
9 Ft. (2.7 M)  45° Hopper Angle	45-00931	259	6.8	6.2	11'-10"	3.61
	45-00932	401	10.6	9.6	14'-6"	4.42
	45-00933	544	14.4	13.0	17'-2"	5.23
	45-00934	686	18.1	16.4	19'-10"	6.05
	45-00935	828	21.9	19.8	22'-6"	6.86
	45-00936	970	25.6	23.3	25'-2"	7.67
	45-00937	1,113	29.4	26.7	27'-10"	8.48
	45-00938	1,255	33.2	30.1	30'-6"	9.30
	45-00939	1,397	36.9	33.5	33'-2"	10.11
	45-009310	1,540	40.7	36.9	35'-10"	10.92
45-009311	1,682	44.4	40.3	38'-6"	11.74	
12 Ft. (3.7 M)  45° Hopper Angle	45-01231	532	14.1	12.8	14'-2"	4.32
	45-01232	785	20.7	18.8	16'-10"	5.13
	45-01233	1,039	27.4	24.9	19'-6"	5.94
	45-01234	1,292	34.1	31.0	22'-2"	6.76
	45-01235	1,545	40.8	37.0	24'-10"	7.57
	45-01236	1,799	47.5	43.1	27'-6"	8.38
	45-01237	2,052	54.2	49.2	30'-2"	9.19
	45-01238	2,305	60.9	55.2	32'-10"	10.01
	45-01239	2,558	67.6	61.3	35'-6"	10.82
	45-012310	2,812	74.3	67.4	38'-2"	11.63
45-012311	3,065	81.0	73.5	40'-10"	12.45	
12 Ft. (3.7 M)  60° Hopper Angle	45-01201	674	17.8	16.2	19'-5"	5.92
	45-01202	927	24.5	22.2	22'-1"	6.73
	45-01203	1,181	31.2	28.3	24'-9"	7.54
	45-01204	1,434	37.9	34.4	27'-5"	8.36
	45-01205	1,687	44.6	40.4	30'-1"	9.17
	45-01206	1,941	51.3	46.5	32'-9"	9.98
	45-01207	2,194	58.0	52.6	35'-5"	10.80
	45-01208	2,447	64.6	58.6	38'-1"	11.61
	45-01209	2,700	71.3	64.7	40'-9"	12.42
	45-012010	2,954	78.0	70.8	43'-5"	13.23
45-012011	3,207	84.7	76.9	46'-1"	14.05	
15 Ft. (4.6 M)  45° Hopper Angle	45-01532	1,342	35.4	32.2	19'-2"	5.84
	45-01533	1,738	45.9	41.6	21'-10"	6.65
	45-01534	2,134	56.4	51.1	24'-6"	7.47
	45-01535	2,530	66.8	60.6	27'-2"	8.28
	45-01536	2,926	77.3	70.1	29'-10"	9.09
	45-01537	3,322	87.8	79.6	32'-6"	9.91
	45-01538	3,718	98.2	89.1	35'-2"	10.72
45-01539	4,114	108.7	98.6	37'-10"	11.53	
15 Ft. (4.6 M)  60° Hopper Angle	45-01502	1,609	42.5	38.6	25'-10"	7.87
	45-01503	2,005	53.0	48.1	28'-6"	8.69
	45-01504	2,402	63.4	57.5	31'-2"	9.50
	45-01505	2,798	73.9	67.0	33'-10"	10.31
	45-01506	3,194	84.4	76.5	36'-6"	11.13
	45-01507	3,590	94.8	86.0	39'-2"	11.94
	45-01508	3,986	105.3	95.5	41'-10"	12.75
	45-01509	4,382	115.7	105.0	44'-6"	13.56
	45-015010	4,778	126.2	114.5	47'-2"	14.37

BROCK® Narrow Corrugation Non-Stiffened Hopper-Bottom Bins						
Bin Size		Maximum Capacity* Peaked Storage			Fill Height	
Diameter (Meters)	Bin Model	Bushels	U.S. Tons Corn	Metric Tons Corn	Feet/ Inches	Meters
18 Ft. (5.5 M)  45° Hopper Angle	45-01832	2,093	55.3	50.2	21'-7"	6.58
	45-01833	2,663	70.4	63.8	24'-3"	7.39
	45-01834	3,234	85.4	77.5	26'-11"	8.20
	45-01835	3,805	100.5	91.2	29'-7"	9.02
	45-01836	4,375	115.6	104.8	32'-3"	9.83
	45-01837	4,946	130.6	118.5	34'-11"	10.64
	45-01838	5,516	145.7	132.2	37'-7"	11.46
	45-01839	6,087	160.8	145.9	40'-3"	12.27
	45-01839	6,087	160.8	145.9	40'-3"	12.27
21 Ft. (6.4 M)  45° Hopper Angle	45-02132	3,073	81.2	73.6	24'-0"	7.32
	45-02133	3,850	101.7	92.3	26'-8"	8.13
	45-02134	4,627	122.2	110.9	29'-4"	8.94
	45-02135	5,404	142.7	129.5	32'-0"	9.75
	45-02136	6,180	163.3	148.1	34'-8"	10.57
	45-02137	6,957	183.8	166.7	37'-4"	11.38
	45-02138	7,734	204.3	185.3	40'-0"	12.13

\*Maximum Capacity for a bin allows for grain to be at a 28° angle of repose, starting one inch (25 mm) below the eave. The grain capacities listed above are based on ASAE Standard S413.1, with a compaction factor of 6%. Metric tons are based on ASAE Standard D241.4 of 721 kg per cubic meter for corn and 772 kg per cubic meter for wheat. Standard and optional holding bin roof styles are available as follows:

On-Farm Holding Bin Roof Style	Roof Peak Capacity Rating	Standard Roof Style for Bin Diameters	Optional Roof Style for Bin Diameters
Feed Bin Roof	500 to 1,000 lbs (225-450 kg)	9 to 15 feet (2.7-4.6 m)	
3-Panel Ribbed Roof	1,000 lbs (450 kg)	18 to 21 feet (5.5-6.4 m)	12 to 15 feet (3.7-4.6 m)
4-Panel Ribbed Roof	4,000 lbs (1,800 kg)		15 to 21 feet (4.6-6.4 m)

Roof peak capacity ratings are based on ground snow loads of 40 pounds per square foot (195 kg per square meter). Bins are designed to meet ASCE 7-10 code requirements for 105 mph (169 km/h) wind zones and UBC 97 seismic zone 1. In the pursuit of LEADERSHIP THROUGH INNOVATION®, we reserve the right to change specifications without prior notice.

**NOTE:** Hopper-bottom bins and silos are designed for the storage of free-flowing materials only. Soybean meal, meat scraps, and many other materials are NOT considered free-flowing and must use approved unloading equipment. Call Brock Grain Systems for approved unloading equipment. Any questions regarding the flowability of different materials should be directed to the material manufacturer. 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 bin 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.

**Need More Capacity? Ask About Brock's Commercial Hopper-Bottom Bins In Diameters From 15 To 42 Feet (4.6 To 12.8 M).**

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