BURGOS
Equipos y Proyectos Agroindustriales

BROCK
BROCK SOLID™
Authorized Independent Dealer

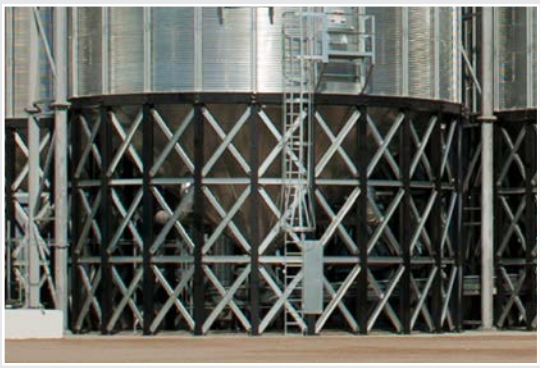
STIFFENED HOLDING BINS

STORAGE | HANDLING | CONDITIONING | STRUCTURES
BROCK®
GRAIN MANAGEMENT SYSTEMS

BURGOS
Equipos y Proyectos Agroindustriales

DESIGNED FOR STRENGTH AND RELIABILITY

STURDY STEEL STRUCTURE



Structural system (provided with bin) elevates the unit for easy access and for installation of handling equipment.

For greater strength and reliability, Brocks specially-engineered support beam encircles the bin (silo) at the top of the hopper, evenly distributing the weight of both silo and hopper to the strong leg support structure. The sturdy support structures on some models have a corrosion resistant galvanized finish while other models feature high-grade steel with a tough, powder-coated finish. Both provide longevity and low maintenance.

Some of Brocks stiffened holding bin models feature a special, totally-galvanized steel substructure, including the support beam and legs.

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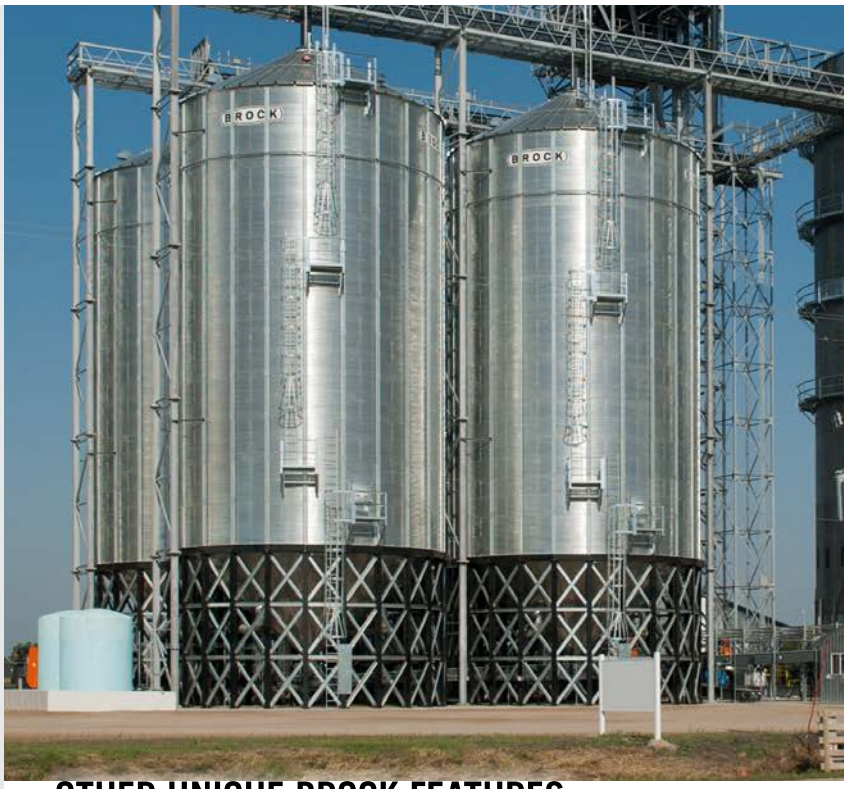

OTHER UNIQUE BROCK FEATURES:

More models and choices from 15-foot (4.6-meter) to 36-foot (11-meter) diameter hopper-bottom holding bins (silos) with strong, narrow-corrugation sidewalls and a maximum storage capacity of over 58,700 bushels (1,950 M^3).

Strong 30° roof helps support the weight of roof-mounted conveying equipment. Support capacities vary from 4,000 to 7,500 pounds (1,800 to 3,400 kg) depending on bin diameter.

All-galvanized steel stiffener design is one of the strongest available to help your silos stand up to the constant stress and strain of stored grain.

Sturdy gravity-flow hopper bottom aids the unloading of wet or dry whole kernel grains of many types. The hoppers discharge opening may be equipped with optional rack and pinion or roller gates.

Available options include a wide variety of Brock components such as sidewall ladders and safety cages (designed to meet or exceed relevant OSHA standards when installed properly) easy-to-use sidewall doors, aeration fans, plus others.

Backed by Brocks five-year warranty for stiffened bins see Brock s full written warranty for complete warranty details.

Planning support and foundation drawings for certain applications are available.

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UNMATCHED CHOICES

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STIFFENED HOPPER BINS (SILOS)

DIAMETER FEET (METERS)	MODEL NUMBER	MAXIMUM CAPACITY*		EAVE HEIGHT		FILL HEIGHT	
		BUSHELS	M^3	FT./IN.	METERS	FT./IN.	METERS
15 FT. (4.6 m) 60° Hopper Angle	EH-15006	3,145	105	30'-1"	9.18	34'-0"	10.36
	EH-15007	3,541	118	32'-9"	9.99	36'-8"	11.17
	EH-15008	3,937	131	35'-5"	10.80	39'-4"	11.98
	EH-15009	4,333	145	38'-1"	11.62	42'-0"	12.79
	EH-15010	4,728	158	40'-9"	12.43	44'-8"	13.61
	EH-15011	5,124	171	43'-5"	13.24	47'-4"	14.42
	EH-15012	5,520	184	46'-1"	14.05	50'-0"	15.23
	EH-15013	5,916	197	48'-9"	14.87	52'-8"	16.05
	EH-15014	6,312	210	51'-5"	15.68	55'-4"	16.86
	EH-15015	6,708	223	54'-1"	16.49	58'-0"	17.67
	EH-15016	7,104	237	56'-9"	17.31	60'-8"	18.48
	EH-15017	7,500	250	59'-5"	18.12	63'-4"	19.30
18 FT. (5.5 m) 60° Hopper Angle	EH-18006	4,750	158	32'-9"	9.99	37'-6"	11.43
	EH-18007	5,321	177	35'-5"	10.80	40'-2"	12.24
	EH-18008	5,891	196	38'-1"	11.62	42'-10"	13.06
	EH-18009	6,462	215	40'-9"	12.43	45'-6"	13.87
	EH-18010	7,032	234	43'-5"	13.24	48'-2"	14.68
	EH-18011	7,602	253	46'-1"	14.06	50'-10"	15.49
	EH-18012	8,173	272	48'-9"	14.87	53'-6"	16.31
	EH-18013	8,743	291	51'-5"	15.68	56'-2"	17.12
	EH-18014	9,313	310	54'-1"	16.49	58'-10"	17.93
	EH-18015	9,884	329	56'-9"	17.31	61'-6"	18.75
	EH-18016	10,454	348	59'-5"	18.12	64'-2"	19.56
	EH-18017	11,024	367	62'-1"	18.93	66'-10"	20.37
	EH-18018	11,595	386	64'-9"	19.74	69'-6"	21.18
	EH-18019	12,165	405	67'-5"	20.56	72'-2"	22.00
	EH-18020	12,736	424	70'-1"	21.37	74'-10"	22.81
	EH-18021	13,306	443	72'-9"	22.18	77'-6"	23.62
21 FT. (6.4 m) 60° Hopper Angle	EH-21006	6,814	227	35'-4"	10.77	40'-11"	12.47
	EH-21007	7,590	253	38'-0"	11.58	43'-7"	13.28
	EH-21008	8,367	279	40'-8"	12.39	46'-3"	14.09
	EH-21009	9,144	304	43'-4"	13.20	48'-11"	14.91
	EH-21010	9,920	330	46'-0"	14.02	51'-7"	15.72
	EH-21011	10,697	356	48'-8"	14.83	54'-3"	16.53
	EH-21012	11,474	382	51'-4"	15.64	56'-11"	17.34
	EH-21013	12,250	408	54'-0"	16.46	59'-7"	18.16
	EH-21014	13,027	434	56'-8"	17.27	62'-3"	18.97
	EH-21015	13,804	459	59'-4"	18.08	64'-11"	19.78
	EH-21016	14,580	485	62'-0"	18.89	67'-7"	20.60
	EH-21017	15,357	511	64'-8"	19.71	70'-3"	21.41
	EH-21018	16,133	537	67'-4"	20.52	72'-11"	22.22
	EH-21019	16,910	563	70'-0"	21.33	75'-7"	23.03
	EH-21020	17,687	588	72'-8"	22.14	78'-3"	23.85
	EH-21021	18,463	614	75'-4"	22.96	80'-11"	24.66
	EH-21022	19,240	640	78'-0"	23.77	83'-7"	25.47
15 FT. (4.6 m) 45° Hopper Angle	EH-15306	2,908	97	25'-6"	7.77	29'-4"	8.95
	EH-15307	3,304	110	28'-2"	8.58	32'-0"	9.76
	EH-15308	3,700	123	30'-10"	9.40	34'-8"	10.57
	EH-15309	4,095	137	33'-6"	10.21	37'-4"	11.39
	EH-15310	4,491	150	36'-2"	11.02	40'-0"	12.20
	EH-15311	4,887	163	38'-10"	11.84	42'-8"	13.01
	EH-15312	5,283	176	41'-6"	12.65	45'-4"	13.83
	EH-15313	5,679	189	44'-2"	13.46	48'-0"	14.64
	EH-15314	6,075	202	46'-10"	14.27	50'-8"	15.45
	EH-15315	6,471	216	49'-6"	15.09	53'-4"	16.26

STIFFENED HOPPER BINS (SILOS)

DIAMETER FEET (METERS)	MODEL NUMBER	MAXIMUM CAPACITY*		EAVE HEIGHT		FILL HEIGHT	
		BUSHELS	M^3	FT./IN.	METERS	FT./IN.	METERS
15 FT. (4.6 m) 45° Cont.	EH-15316	6,867	229	52'-2"	15.90	56'-0"	17.08
	EH-15317	7,262	242	54'-10"	16.71	58'-8"	17.89
	EH-15318	7,658	255	57'-6"	17.52	61'-4"	18.70
	EH-15319	8,054	268	60'-2"	18.34	64'-0"	19.52
18 FT. (5.5 m) 45° Hopper Angle	EH-18306	4,361	145	27'-1"	8.24	31'-9"	9.68
	EH-18307	4,932	164	29'-9"	9.06	34'-5"	10.50
	EH-18308	5,502	183	32'-5"	9.87	37'-1"	11.31
	EH-18309	6,072	202	35'-1"	10.68	39'-9"	12.12
	EH-18310	6,643	221	37'-9"	11.49	42'-5"	12.93
	EH-18311	7,213	240	40'-5"	12.31	45'-1"	13.75
	EH-18312	7,784	259	43'-1"	13.12	47'-9"	14.56
	EH-18313	8,354	278	45'-9"	13.93	50'-5"	15.37
	EH-18314	8,924	297	48'-5"	14.75	53'-1"	16.19
	EH-18315	9,495	316	51'-1"	15.56	55'-9"	17.00
	EH-18316	10,065	335	53'-9"	16.37	58'-5"	17.81
	EH-18317	10,635	354	56'-5"	17.18	61'-1"	18.62
	EH-18318	11,206	373	59'-1"	18.00	63'-9"	19.44
	EH-18319	11,776	392	61'-9"	18.81	66'-5"	20.25
	EH-18320	12,346	411	64'-5"	19.62	69'-1"	21.06
	EH-18321	12,917	430	67'-1"	20.44	71'-9"	21.88
	EH-18322	13,487	449	69'-9"	21.25	74'-5"	22.69
21 FT. (6.4 m) 45° Hopper Angle	EH-21306	6,138	205	28'-7"	8.71	34'-2"	10.41
	EH-21307	6,915	230	31'-3"	9.52	36'-10"	11.23
	EH-21308	7,692	256	33'-11"	10.34	39'-6"	12.04
	EH-21309	8,468	282	36'-7"	11.15	42'-2"	12.85
	EH-21310	9,245	308	39'-3"	11.96	44'-10"	13.66
	EH-21311	10,022	334	41'-11"	12.77	47'-6"	14.48
	EH-21312	10,798	359	44'-7"	13.59	50'-2"	15.29
	EH-21313	11,575	385	47'-3"	14.40	52'-10"	16.10
	EH-21314	12,351	411	49'-11"	15.21	55'-6"	16.91
	EH-21315	13,128	437	52'-7"	16.03	58'-2"	17.73
	EH-21316	13,905	463	55'-3"	16.84	60'-10"	18.54
	EH-21317	14,681	489	57'-11"	17.65	63'-6"	19.35
	EH-21318	15,458	514	60'-7"	18.46	66'-2"	20.17
	EH-21319	16,235	540	63'-3"	19.28	68'-10"	20.98
	EH-21320	17,011	566	65'-11"	20.09	71'-6"	21.79
	EH-21321	17,788	592	68'-7"	20.90	74'-2"	22.60
	EH-21322	18,564	618	71'-3"	21.72	76'-10"	23.42
24 FT. (7.3 m) 45° Hopper Angle	EH-24306	8,331	277	30'-1"	9.17	36'-6"	11.14
	EH-24307	9,345	311	32'-9"	9.98	39'-2"	11.95
	EH-24308	10,360	345	35'-5"	10.80	41'-10"	12.76
	EH-24309	11,375	379	38'-1"	11.61	44'-6"	13.57
	EH-24310	12,389	412	40'-9"	12.42	47'-2"	14.39
	EH-24311	13,404	446	43'-5"	13.23	49'-10"	15.20
	EH-24312	14,419	480	46'-1"	14.05	52'-6"	16.01
	EH-24313	15,433	514	48'-9"	14.86	55'-2"	16.82
	EH-24314	16,448	547	51'-5"	15.67	57'-10"	17.64
	EH-24315	17,463	581	54'-1"	16.49	60'-6"	18.45
	EH-24316	18,478	615	56'-9"	17.30	63'-2"	19.26
	EH-24317	19,492	648	59'-5"	18.11	65'-10"	20.08
	EH-24318	20,507	682	62'-1"	18.92	68'-6"	20.89
	EH-24319	21,522	716	64'-9"	19.74	71'-2"	21.70
	EH-24320	22,536	750	67'-5"	20.55	73'-10"	22.51
	EH-24321	23,551	783	70'-1"	21.36	76'-6"	23.33
	EH-24322	24,566	817	72'-9"	22.18	79'-2"	24.14

Continued on reverse

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STIFFENED HOPPER BINS (SILOS)

DIAMETER FEET (METERS)	MODEL NUMBER	MAXIMUM CAPACITY*		EAVE HEIGHT		FILL HEIGHT	
		BUSHELS	M^3	FT./IN.	METERS	FT./IN.	METERS
27 FT. (8.2 m) 40° Hopper Angle	EH-27406	10,620	354	29'-7"	9.01	36'-10"	11.24
	EH-27407	11,905	396	32'-3"	9.82	39'-6"	12.05
	EH-27408	13,189	439	34'-11"	10.63	42'-2"	12.86
	EH-27409	14,474	482	37'-7"	11.45	44'-10"	13.67
	EH-27410	15,758	524	40'-3"	12.26	47'-6"	14.49
	EH-27411	17,043	567	42'-11"	13.07	50'-2"	15.30
	EH-27412	18,327	610	45'-7"	13.89	52'-10"	16.11
	EH-27413	19,611	652	48'-3"	14.70	55'-6"	16.93
	EH-27414	20,896	695	50'-11"	15.51	58'-2"	17.74
	EH-27415	22,180	738	53'-7"	16.32	60'-10"	18.55
	EH-27416	23,465	781	56'-3"	17.14	63'-6"	19.36
	EH-27417	24,749	823	58'-11"	17.95	66'-2"	20.18
	EH-27418	26,034	866	61'-7"	18.76	68'-10"	20.99
	EH-27419	27,318	909	64'-3"	19.58	71'-6"	21.80
	EH-27420	28,603	951	66'-11"	20.39	74'-2"	22.62
	EH-27421	29,887	994	69'-7"	21.20	76'-10"	23.43
	EH-27422	31,172	1,037	72'-3"	22.01	79'-6"	24.24
30 FT. (9.1 m) 40° Hopper Angle	EH-30406	13,525	450	30'-10"	9.39	39'-0"	11.89
	EH-30407	15,111	503	32'-6"	10.21	41'-8"	12.70
	EH-30408	16,697	556	36'-2"	11.02	44'-4"	13.51
	EH-30409	18,283	608	38'-10"	11.83	47'-0"	14.32
	EH-30410	19,869	661	41'-6"	12.65	49'-8"	15.14
	EH-30411	21,455	714	44'-2"	13.46	52'-4"	15.95
	EH-30412	23,042	766	46'-10"	14.27	55'-0"	16.76
	EH-30413	24,628	819	49'-6"	15.08	57'-8"	17.57
	EH-30414	26,214	872	52'-2"	15.90	60'-4"	18.39
	EH-30415	27,800	925	54'-10"	16.71	63'-0"	19.20
	EH-30416	29,386	977	57'-6"	17.52	65'-8"	20.01
	EH-30417	30,972	1,030	60'-2"	18.34	68'-4"	20.83
	EH-30418	32,558	1,083	62'-10"	19.15	71'-0"	21.64
	EH-30419	34,144	1,136	65'-6"	19.96	73'-8"	22.45
	EH-30420	35,730	1,188	68'-2"	20.77	76'-4"	23.26
	EH-30421	37,316	1,241	70'-10"	21.59	79'-0"	24.08
	EH-30422	38,902	1,294	73'-6"	22.40	81'-8"	24.89
	EH-30423	40,488	1,346	76'-2"	23.22	84'-4"	25.71
36 FT. (11.0 m) 40° Hopper Angle	EH-36406	20,499	682	33'-2"	10.11	43'-1"	13.13
	EH-36407	22,784	758	35'-10"	10.92	45'-9"	13.94
	EH-36408	25,069	834	38'-6"	11.74	48'-5"	14.75
	EH-36409	27,353	910	41'-2"	12.55	51'-1"	15.56
	EH-36410	29,638	986	43'-10"	13.36	53'-9"	16.38
	EH-36411	31,922	1,062	46'-6"	14.17	56'-5"	17.19
	EH-36412	34,207	1,138	49'-2"	14.99	59'-1"	18.00
	EH-36413	36,491	1,214	51'-10"	15.80	61'-9"	18.82
	EH-36414	38,776	1,290	54'-6"	16.61	64'-5"	19.63
	EH-36415	41,060	1,366	57'-2"	17.42	67'-1"	20.44
	EH-36416	43,345	1,441	59'-10"	18.24	69'-9"	21.25
	EH-36417	45,630	1,517	62'-6"	19.05	72'-5"	22.07
	EH-36418	47,914	1,593	65'-2"	19.86	75'-1"	22.88
	EH-36419	50,199	1,669	67'-10"	20.68	77'-9"	23.69
	EH-36420	52,483	1,745	70'-6"	21.49	80'-5"	24.50
	EH-36421	54,768	1,821	73'-2"	22.30	83'-1"	25.32
	EH-36422	57,052	1,897	75'-10"	23.11	85'-9"	26.13

STIFFENED HOPPER BINS (SILOS)

DIAMETER FEET (METERS)	MODEL NUMBER	MAXIMUM CAPACITY*		EAVE HEIGHT		FILL HEIGHT	
		BUSHELS	M^3	FT./IN.	METERS	FT./IN.	METERS
30 FT. (9.1 m) 50° Hopper Angle	EH-30506	14,578	485	36'-6"	11.12	44'-8"	13.61
	EH-30507	16,164	538	39'-2"	11.94	47'-4"	14.43
	EH-30508	17,750	591	41'-10"	12.75	50'-0"	15.24
	EH-30509	19,337	643	44'-6"	13.56	52'-8"	16.05
	EH-30510	20,923	696	47'-2"	14.37	55'-4"	16.86
	EH-30511	22,509	749	49'-10"	15.19	58'-0"	17.68
	EH-30512	24,095	801	52'-6"	16.00	60'-8"	18.49
	EH-30513	25,681	854	55'-2"	16.81	63'-4"	19.30
	EH-30514	27,267	907	57'-10"	17.63	66'-0"	20.12
	EH-30515	28,853	960	60'-6"	18.44	68'-8"	20.93
	EH-30516	30,439	1,012	63'-2"	19.25	71'-4"	21.74
	EH-30517	32,025	1,065	65'-10"	20.06	74'-0"	22.55
	EH-30518	33,611	1,118	68'-6"	20.88	76'-8"	23.37
	EH-30519	35,197	1,171	71'-2"	21.69	79'-4"	24.18
	EH-30520	36,783	1,223	73'-10"	22.50	82'-0"	24.99
	EH-30521	38,369	1,276	76'-6"	23.31	84'-8"	25.81
	EH-30522	39,955	1,329	79'-2"	24.13	87'-4"	26.62
36 FT. (11.0 m) 50° Hopper Angle	EH-36506	22,161	737	39'-11"	12.16	49'-10"	15.18
	EH-36507	24,446	813	42'-7"	12.98	52'-6"	15.99
	EH-36508	26,731	889	45'-3"	13.79	55'-2"	16.80
	EH-36509	29,015	965	47'-11"	14.60	57'-10"	17.62
	EH-36510	31,300	1,041	50'-7"	15.41	60'-6"	18.43
	EH-36511	33,584	1,117	53'-3"	16.23	63'-2"	19.24
	EH-36512	35,869	1,193	55'-11"	17.04	65'-10"	20.06
	EH-36513	38,153	1,269	58'-7"	17.85	68'-6"	20.87
	EH-36514	40,438	1,345	61'-3"	18.67	71'-2"	21.68
	EH-36515	42,723	1,421	63'-11"	19.48	73'-10"	22.49
	EH-36516	45,007	1,497	66'-7"	20.29	76'-6"	23.31
	EH-36517	47,292	1,573	69'-3"	21.10	79'-2"	24.12
	EH-36518	49,576	1,649	71'-11"	21.92	81'-10"	24.93
	EH-36519	51,861	1,725	74'-7"	22.73	84'-6"	25.75
	EH-36520	54,145	1,801	77'-3"	23.54	87'-2"	26.56
	EH-36521	56,430	1,876	79'-11"	24.36	89'-10"	27.37
	EH-36522	58,714	1,952	82'-7"	25.17	92'-6"	28.18

***Maximum Capacity** for a bin allows for grain to be at the normal (28-degree) angle of repose, starting one inch (25 mm) below the eave. The grain capacities listed are based on ASAE Standard: ASAE S413, with a compaction factor of 6% on bushels. Bins are designed for 105 mph (169 km/h) ultimate design three-second gust wind speed and UBC-97 seismic zone 1. Standard roof peak capacities vary from 4,000 to 7,500 pounds (1,800 to 3,400 kg) depending on bin diameter. In the pursuit of LEADERSHIP THROUGH INNOVATION®, we reserve the right to change specifications without prior notice.

All hopper-bottom bins and silos are designed for the storage of freeflowing materials only. Soybean meal, meat scraps, and certain other materials are not considered to be free-flowing and should not be stored in these bins without the use of qualified flow aid devices and/or appropriate reinforcement.

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.

BURGOS
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