

Bolt Strength

Bolt Grade	Proof Load (kPa)	Yield Strength (kPa)	Tensile Strength (kPa)
8.2 (Sukup)	827,400	896,300	1,034,000
5	586,100	634,300	827,400
2	379,200	393,000	510,200



Sukup Grain Bins

Metric Specifications



Heavy Gauge Drying Bins

# of Rings	Eave Ht. (m)	Available Diameter (m)
5	5.61	4.57-14.63
6	6.73	4.57-14.63
7	7.85	4.57-14.63



Commercial Bin Sizes

Dia. (m)	Peak Heights Avail. (m)	Max. Capacities Available (MT)	Standard Roof Peak Load (Kg)	Optional Roof Peak Load (Kg)
10.97	13.46 - 23.52	790 - 1510	2268	3629; 6804 or 13,608
12.8	14 - 30.76	1090 - 2721	2268	3629; 6804 or 13,608
14.63	14.53 - 31.29	1445 - 3575	3629	6804 or 13,608
16.46	15.14 - 31.9	1854 - 4550	6804	13,608
18.29	15.7 - 32.46	2322 - 5648	6804	13,608
21.95	16.66 - 33.43	3435 - 8226	13,608	6804
22.86	16.94 - 33.71	3752 - 8951	13,608	6804
23.77	17.22 - 33.98	4085 - 9708	13,608	6804
27.43	18.36 - 35.13	5583 - 13,069	13,608	6804 or 22,680
32	19.71 - 36.47	7844 - 18,034	13,608	22,680
41.15	21.26 - 38.38	16,741 - 37,151	22,680	-
47.55	22.86 - 37.49	19,204 - 38,750	22,680	-



Bin Specifications

Dia. (m)	Rings	Eave Ht. (m)	Peak Ht. (m)	Max. Cap. MT	Level Cap. MT	Max. Cap. w/ plenum	Level Cap. w/ plenum	
4.57	3	3.38	4.67	46.9	41.9	43 MT	38 MT	
	4	4.5	5.79	60.8	55.8	56.9	51.9	
	5	5.61	6.91	74.7	69.7	70.8	65.8	
6	6	6.73	8.03	88.6	83.6	84.6	79.6	
	7	7.85	9.14	102.4	97.4	98.5	93.5	
	8	8.97	10.26	116.3	111.3	112.4	107.4	
9	9	10.08	11.38	130.2	125.2	126.3	121.3	
	10	11.2	12.5	144.1	139.1	140.1	135.1	
	11	12.32	13.61	158	153	154	149	
12	12	13.44	14.73	171.8	166.8	167.9	162.9	
	5.49	3	3.38	5.03	69	60.4	63.4	54.7
		4	4.5	6.15	89	80.4	83.3	74.7
5		5.61	7.26	109	100.4	103.3	94.7	
6	6	6.73	8.38	129	120.4	123.3	114.7	
	7	7.85	9.5	149	140.3	143.3	134.7	
	8	8.97	10.62	169	160.3	163.3	154.6	
9	9	10.08	11.73	188.9	180.3	183.3	174.6	
	10	11.2	12.85	208.9	200.3	203.2	194.6	
	11	12.32	13.97	228.9	220.3	223.2	214.6	
12	12	13.44	14.17	249	240.2	243.2	234.6	
	6.4	3	3.38	5.28	95.9	82.2	88.2	74.5
		4	4.5	6.4	123.1	109.4	115.4	101.7
5		5.61	7.52	150.3	136.6	142.6	128.9	
6	6	6.73	8.64	177.5	163.8	169.8	156.1	
	7	7.85	9.75	204.7	191	197	183.3	
	8	8.97	10.87	231.9	218.2	224.2	210.5	
9	9	10.08	11.99	259.1	245.4	251.4	237.7	
	10	11.2	13.11	286.3	272.6	278.6	264.9	
	11	12.32	14.22	313.5	299.8	312.7	292.1	
12	12	13.44	15.34	340.7	327	330	319.3	
	7.32	3	3.38	5.59	127.9	107.4	117.8	97.3
		4	4.5	6.71	163.4	142.9	153.3	132.8
5		5.61	7.82	198.9	178.4	188.8	168.3	
6	6	6.73	8.94	234.5	214	224.4	203.9	
	7	7.85	10.06	270	249.5	259.9	239.4	
	8	8.97	11.18	305.5	285	295.4	274.9	
9	9	10.08	12.29	341	320.5	330.9	310.4	
	10	11.2	13.41	376.5	356	366.5	346	
	11	12.32	14.53	412.1	391.6	402	381.5	
12	12	13.44	15.65	447.6	427.1	437.5	417	
	8.23	3	3.38	5.89	165.1	135.9	152.3	123.1
		4	4.5	6.93	210	180.9	197.3	168.1
5		5.61	8.05	255	225.8	242.2	213	
6	6	6.73	9.17	300	270.8	287.2	258	
	7	7.85	10.29	344.9	315.7	332.1	303	
	8	8.97	11.4	389.9	360.7	337.1	347.9	
9	9	10.08	12.52	434.8	405.7	422.1	392.9	
	10	11.2	13.64	479.8	450.6	467	437.8	
	11	12.32	14.76	524.8	495.6	512	482.8	
12	12	13.44	15.88	569.7	540.5	556.9	527.8	
	9.14	3	3.38	6.12	207.8	167.8	192	152
		4	4.5	7.24	263.3	223.3	247.6	207.5
5		5.61	8.36	318.8	278.8	303.1	263	
6	6	6.73	9.47	374.3	334.3	358.6	318.5	
	7	7.85	10.59	429.8	389.8	414.1	374	
	8	8.97	11.71	485.3	445.3	469.6	429.5	
9	9	10.08	12.83	540.8	500.8	525.1	485.1	
	10	11.2	13.94	596.4	556.3	580.6	540.6	
	11	12.32	15.06	651.9	611.8	636.1	596.1	
12	12	13.44	16.18	707.4	667.3	691.6	651.6	

Dia. (m)	Rings	Eave Ht. (m)	Peak Ht. (m)	Max. Cap. MT	Level Cap. MT	Max. Cap. w/ plenum	Level Cap. w/ plenum	
10.06	3	3.38	6.6	256.3	203	237.2	183.9	
	4	4.5	7.54	323.5	270.2	304.4	251.1	
	5	5.61	8.66	390.6	337.3	371.5	318.3	
6	6	6.73	9.78	457.8	404.5	438.7	385.4	
	7	7.85	10.9	524.9	471.7	505.8	452.6	
	8	8.97	12.01	592.1	538.8	573	519.8	
9	9	10.08	13.13	659.3	606	640.2	586.9	
	10	11.2	14.25	726.4	673.2	707.3	654.1	
	11	12.32	15.37	793.6	740.3	774.5	721.2	
12	12	13.44	16.48	860.8	807.5	841.7	788.4	
	10.97	3	3.38	6.76	310.8	241.6	288.1	218.9
		4	4.5	7.87	390.7	321.5	368	298.8
5		5.61	8.99	470.6	401.5	447.9	378.8	
6	6	6.73	10.11	550.6	481.4	527.9	458.7	
	7	7.85	11.23	630.5	561.3	607.8	538.6	
	8	8.97	12.34	710.4	641.3	687.7	618.5	
9	9	10.08	13.46	790.4	721.2	767.6	698.5	
	10	11.2	14.58	870.3	801.1	847.6	778.4	
	11	12.32	15.7	950.2	881	927.5	858.3	
12	12	13.44	16.81	1030.1	961	1007.4	938.3	
	12.8	3	3.38	7.29	438.7	328.8	407.8	297.9
		4	4.5	8.41	547.5	437.6	516.6	406.7
5		5.61	9.53	656.3	546.4	625.4	515.5	
6	6	6.73	10.64	765.1	655.2	734.2	624.3	
	7	7.85	11.76	873.9	764	843	733.1	
	8	8.97	12.88	982.7	872.8	951.8	841.9	
9	9	10.08	14	1091.5	981.6	1060.5	950.7	
	10	11.2	15.11	1200.3	1090.4	1169.3	1059.5	
	11	12.32	16.23	1309	1199.2	1278.1	1168.3	
12	12	13.44	17.35	1417.8	1308	1386.9	1277.1	
	14.63	3	3.38	7.82	593.5	429.5	553.1	389.1
		4	4.5	8.94	735.6	571.6	695.2	531.2
5		5.61	10.06	877.7	713.7	837.3	675.2	
6	6	6.73	11.18	1019.8	855.8	979.4	815.4	
	7	7.85	12.29	1161.9	997.9	1121.5	957.5	
	8	8.97	13.41	1304	1140	1263.6	1099.6	
9	9	10.08	14.53	1446.1	1282.1	1405.7	1241.7	
	10	11.2	15.65	1588.2	1424.2	1547.8	1383.8	
	11	12.32	16.76	1730.3	1566.3	1689.9	1525.9	
12	12	13.44	17.88	1872.3	1708.4	1832	1668	

Max. capacities are based on ASABE Standard S413.1 - corn at 721 kg/m3 - bins with no plenum and grain peaked at 28° angle of repose with 6% compaction.

Plenum height calculated at 32cm

Figures shown in black apply to all Sukup Farm Bins.

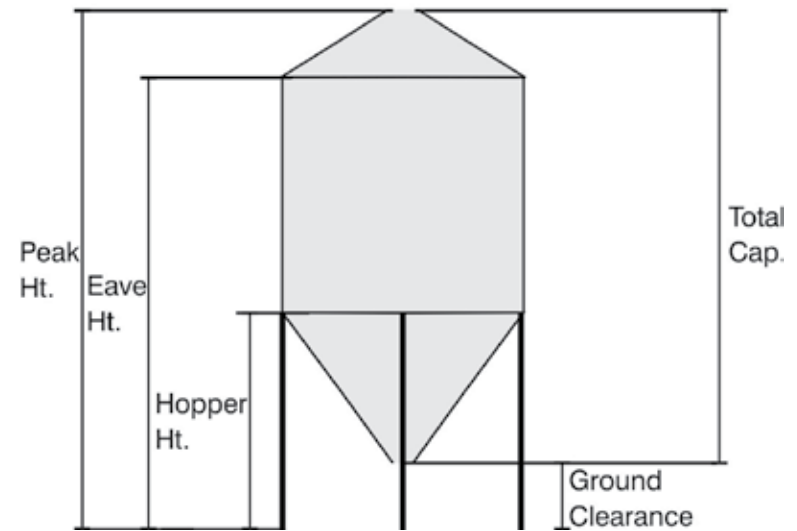
Figures shown in green apply only to Sukup Stiffened Farm Bins.



MD Hopper Bin Specifications

Dia. (m)	Hopper	# of Rings	Hopper Ht. (m)	Eave Ht. (m)	Peak Ht. (m)	Ground Clearance*	Total Capacity Metric Tonnes		
3.66	60°	3	3.66	7.29	8.13	61 cm	34.3		
		4	3.66	8.1	8.94	61	43.2		
		5	3.66	9.25	10.08	61	52		
4.57	60°	3	4.37	7.75	9.04	67	63.5		
		4	4.37	8.86	10.16	67	77.4		
		5	4.37	9.68	11.28	67	91.3		
6	60°	6	4.37	8.05	12.4	67	105.1		
		4.57	45°	3	2.92	6.25	7.54	67	56.5
				4	2.92	7.37	8.66	67	70.4
5	2.92			8.48	9.78	67	84.3		
6	45°	6	2.92	9.6	10.9	67	98.1		
		5.49	45°	3	3.66	6.99	8.64	86	85.6
				4	3.66	8.1	9.75	86	105.5
5	3.66			9.22	10.87	86	125.5		
6	45°	6	3.66	10.34	11.99	86	145.5		
		6.4	45°	3	3.81	7.14	9.04	77	122.2
				4	3.81	8.26	10.16	77	149.4
5	3.81			9.37	11.28	77	176.6		
6	45°	6	3.81	10.49	12.4	77	203.8		

Bin capacities and weights are calculated on ASABE S.413.1 Standard with 6% grain compaction.
* Ground Clearance for hopper bins with rack & pinion. For clearance without rack & pinion, add 13 cm to Ground Clearance shown.



HD Hopper Bin Specifications

Dia. (m)	# of Rings	Hopper Ht. (m)	Eave Ht. (m)	Peak Ht. (m)	Ground Clearance*	Total Capacity Metric Tonnes	
4.57	3	2.95	6.32	7.65	77.4 cm	56.5	
	4	2.95	7.44	8.73	77.4	70.4	
	5	2.95	8.56	9.86	77.4	84.3	
6	6	2.95	9.68	11.07	77.4	98.1	
	7	2.95	10.8	12.09	77.4	112	
	8	2.95	11.91	13.21	77	125.9	
9	9	2.95	13.03	14.33	77	139.8	
	10	2.95	14.15	15.44	77	153.6	
	11	2.95	15.27	16.56	77	167.5	
12	12	2.95	16.38	17.68	77	181.4	
	5.49	3	3.45	6.83	8.48	78.4	85.6
		4	3.45	7.95	9.6	78.4	105.5
5		3.45	9.07	10.72	78.4	125.5	
6	6	3.45	10.19	11.84	78.4	145.5	
	7	3.45	11.3	12.95	78.4	165.5	
	8	3.45	12.42	14.07	79.2	185.5	
9	9	3.45	13.54	15.19	79.2	205.4	
	10	3.45	14.66	16.31	79.2	225.4	
	11	3.45	15.77	17.42	79.2	245.4	
12	12	3.45	16.89	18.54	79.2	265.4	
	6.4	3	3.91	7.29	9.19	80.6	122.2
		4	3.91	8.41	10.31	80.6	149.4
5		3.91	9.53	11.43	80.6	176.6	
6	6	3.91	10.64	12.55	80.6	203.8	
	7	3.91	11.76	13.67	80.6	231	
	8	3.91	12.88	14.78	80.5	258.2	
9	9	3.91	14	15.9	80.5	285.4	
	10	3.91	15.11	17.02	80.5	312.6	
	11	3.91	16.23	18.14	80.5	339.8	
12	12	3.91	17.35	19.25	80.5	367	
	7.32	3	4.34	7.72	9.93	78.1	167
		4	4.34	8.84	11.05	78.1	202.6
5		4.34	9.96	12.17	78.1	238.1	
6	6	4.34	11.07	13.28	78.1	273.6	
	7	4.34	12.19	14.4	78.1	309.1	
	8	4.34	13.31	15.52	79.4	344.7	
9	9	4.34	14.43	16.64	79.4	380.2	
	10	4.34	15.54	17.75	79.4	415.7	
	11	4.34	16.66	18.87	79.4	451.2	
12	12	4.34	17.78	19.99	79.4	486.8	
	8.23	3	4.83	8.2	10.64	79.4	220.