

# BBK Flat Bottom Grain Bins

## Overall dimensions and capacity

Bin model	Bin diameter, m	Number of tiers	Bin volume, m <sup>3</sup>	Capacity for wheat, t (at bulk density of 0,8 t/m <sup>3</sup> )	Overall bin height, m
BBK.11.16.B12	11.00	16	1 908	1 526	22.483
BBK.11.15.B12	11.00	15	1 794	1 435	21.283
BBK.11.14.B12	11.00	14	1 680	1 344	20.083
BBK.11.13.B12	11.00	13	1 566	1 253	18.883
BBK.11.12.B12	11.00	12	1 452	1 162	17.683
BBK.11.11.B12	11.00	11	1 338	1 070	16.483
BBK.11.10.B12	11.00	10	1 224	979	15.283
BBK.11.9.B12	11.00	9	1 110	888	14.083
BBK.11.8.B12	11.00	8	996	797	12.883
BBK.16.16.B12	16.00	16	4 117	3 294	23.926
BBK.16.15.B12	16.00	15	3 875	3 100	22.726
BBK.16.14.B12	16.00	14	3 634	2 907	21.526
BBK.16.13.B12	16.00	13	3 393	2 714	20.326
BBK.16.12.B12	16.00	12	3 152	2 522	19.126
BBK.16.11.B12	16.00	11	2 910	2 328	17.926
BBK.16.10.B12	16.00	10	2 669	2 135	16.726
BBK.18.16.B12	18.00	16	5 249	4 199	24.51
BBK.18.15.B12	18.00	15	4 944	3 955	23.31
BBK.18.14.B12	18.00	14	4 639	3 711	22.11
BBK.18.13.B12	18.00	13	4 333	3 466	20.91
BBK.18.12.B12	18.00	12	4 028	3 222	19.71
BBK.18.11.B12	18.00	11	3 722	2 978	18.51
BBK.20.23.B12	20.00	23	9 168	7 334	33.487
BBK.20.22.B12	20.00	22	8 791	7 033	32.287
BBK.20.21.B12	20.00	21	8 414	6 731	31.087
BBK.20.20.B12	20.00	20	8 037	6 430	29.887
BBK.20.19.B12	20.00	19	7 660	6 128	28.687
BBK.20.18.B12	20.00	18	7 283	5 826	27.487
BBK.20.17.B12	20.00	17	6 906	5 525	26.287
BBK.20.16.B12	20.00	16	6 529	5 223	25.087
BBK.20.15.B12	20.00	15	6 152	4 922	23.887
BBK.20.14.B12	20.00	14	5 775	4 620	22.687
BBK.20.13.B12	20.00	13	5 398	4 318	21.487
BBK.20.12.B12	20.00	12	5 021	4 017	20.287
BBK.20.11.B12	20.00	11	4 644	3 715	19.087
BBK.20.10.B12	20.00	10	4 267	3 414	17.887
BBK.20.9.B12	20.00	9	3 890	3 112	16.687
BBK.20.8.B12	20.00	8	3 513	2 810	15.487
BBK.22.22.B12	22.00	22	10 696	8 557	32.782
BBK.22.21.B12	22.00	21	10 240	8 192	31.582
BBK.22.20.B12	22.00	20	9 784	7 827	30.382
BBK.22.19.B12	22.00	19	9 328	7 462	29.182
BBK.22.18.B12	22.00	18	8 872	7 098	27.982
BBK.22.17.B12	22.00	17	8 415	6 732	26.782
BBK.22.16.B12	22.00	16	7 960	6 368	25.582
BBK.22.15.B12	22.00	15	7 503	6 002	24.38
BBK.22.14.B12	22.00	14	7 047	5 638	23.18
BBK.22.13.B12	22.00	13	6 591	5 273	21.98
BBK.22.12.B12	22.00	12	6 135	4 908	20.78
BBK.28.18.B12	28.00	18	14 658	11 726	29.71
BBK.28.17.B12	28.00	17	13 919	11 135	28.51
BBK.28.16.B12	28.00	16	13 180	10 544	27.31
BBK.28.15.B12	28.00	15	12 441	9 953	26.11
BBK.28.14.B12	28.00	14	11 702	9 362	24.91
BBK.28.13.B12	28.00	13	10 963	8 770	23.71
BBK.28.12.B12	28.00	12	10 225	8 180	22.51
BBK.32.20.B12	32.00	20	21 315	16 625	34.752
BBK.32.19.B12	32.00	19	20 350	15 875	33.552
BBK.32.18.B12	32.00	18	19 385	15 120	32.352
BBK.32.17.B12	32.00	17	18 415	14 365	31.152
BBK.32.16.B12	32.00	16	17 450	13 610	29.952
BBK.32.15.B12	32.00	15	16 485	12 860	28.752
BBK.32.14.B12	32.00	14	15 520	12 105	27.552
BBK.32.13.B12	32.00	13	14 555	11 350	26.352
BBK.32.12.B12	32.00	12	13 590	10 600	25.152
BBK.32.11.B12	32.00	11	12 625	9 845	23.952

Note: To find out the weight of product, stored in the bin it takes to multiply the bin volume (indicated in m<sup>3</sup>) by bulk density of the product.  
 For instance, to find out the weight of the barley, stored in BBK.22.20.B12 bin.  
 Bin BBK.22 with 20 tiers has a volume of 9 784 m<sup>3</sup>. At the buld density of barley equal to 0,61 t/m<sup>3</sup> the bin capacity is equal to 5 968 tons.

Bulk density of main grain crops:

1. Wheat: 0,8 t/m<sup>3</sup>;
2. Barley: 0,61 t/m<sup>3</sup>;
3. Corn: 0,72 t/m<sup>3</sup>;
4. Soy, colesseed: 0,6 t/m<sup>3</sup>.

# SMVU Flat Bottom Grain Bins

## Overall dimensions and capacity

Bin model	Bin diameter, m	Number of tiers	Bin volume, m <sup>3</sup>	Capacity for wheat, t (at bulk density of 0,8 t/m <sup>3</sup> )	Overall bin height, m
SMVU.110.18.B12	11.00	18	2 062	1 650	24.274
SMVU.110.17.B12	11.00	17	1 952	1 562	23.122
SMVU.110.16.B12	11.00	16	1 843	1 474	21.97
SMVU.110.15.B12	11.00	15	1 733	1 387	20.818
SMVU.110.14.B12	11.00	14	1 624	1 299	19.666
SMVU.110.13.B12	11.00	13	1 514	1 211	18.514
SMVU.110.12.B12	11.00	12	1 405	1 124	17.362
SMVU.110.11.B12	11.00	11	1 295	1 036	16.21
SMVU.110.10.B12	11.00	10	1 186	949	15.058
SMVU.110.09.B12	11.00	9	1 076	861	13.906
SMVU.110.08.B12	11.00	8	967	773	12.754
SMVU.110.07.B12	11.00	7	857	686	11.602
SMVU.110.06.B12	11.00	6	748	598	10.45
SMVU.147.20.B12	14.70	20	4 103	3 282	27.636
SMVU.147.19.B12	14.70	19	3 908	3 127	26.484
SMVU.147.18.B12	14.70	18	3 713	2 971	25.332
SMVU.147.17.B12	14.70	17	3 519	2 815	24.18
SMVU.147.16.B12	14.70	16	3 324	2 659	23.028
SMVU.147.15.B12	14.70	15	3 129	2 504	21.876
SMVU.147.14.B12	14.70	14	2 935	2 348	20.724
SMVU.147.13.B12	14.70	13	2 740	2 192	19.572
SMVU.147.12.B12	14.70	12	2 545	2 036	18.42
SMVU.147.11.B12	14.70	11	2 351	1 881	17.268
SMVU.147.10.B12	14.70	10	2 156	1 725	16.116
SMVU.147.09.B12	14.70	9	1 996	1 569	14.964
SMVU.147.08.B12	14.70	8	1 767	1 431	13.812
SMVU.147.07.B12	14.70	7	1 572	1 258	12.66
SMVU.147.06.B12	14.70	6	1 378	1 102	11.508
SMVU.220.22.B12	22.00	22	10 307	8 245	32.399
SMVU.220.21.B12	22.00	21	9 869	7 895	31.247
SMVU.220.20.B12	22.00	20	9 431	7 545	30.095
SMVU.220.19.B12	22.00	19	8 993	7 194	28.943
SMVU.220.18.B12	22.00	18	8 555	6 844	27.791
SMVU.220.17.B12	22.00	17	8 117	6 494	26.639
SMVU.220.16.B12	22.00	16	7 679	6 143	25.487
SMVU.220.15.B12	22.00	15	7 241	5 793	24.335
SMVU.220.14.B12	22.00	14	6 804	5 443	23.183
SMVU.220.13.B12	22.00	13	6 366	5 092	22.031
SMVU.220.12.B12	22.00	12	5 928	4 742	20.879
SMVU.220.11.B12	22.00	11	5 490	4 392	19.727
SMVU.220.10.B12	22.00	10	5 052	4 042	18.575
SMVU.220.09.B12	22.00	9	4 614	3 691	17.423
SMVU.220.08.B12	22.00	8	4 176	3 341	16.271

Note: To find out the weight of product, stored in the bin it takes to multiply the bin volume (indicated in m<sup>3</sup>) by bulk density of the product.  
 For instance, to find out the weight of the barley, stored in SMVU.220.20.B12 bin.  
 Bin SMVU.220 with 20 tiers has a volume of 9 431 m<sup>3</sup>. At the bulk density of barley equal to 0,61 t/m<sup>3</sup> the bin capacity is equal to 5 753 tons.

Bulk density of main grain crops:  
 1. Wheat: 0,8 t/m<sup>3</sup>;  
 2. Barley: 0,61 t/m<sup>3</sup>;  
 3. Corn: 0,72 t/m<sup>3</sup>;  
 4. Soy, colesseed: 0,6 t/m<sup>3</sup>.

# SMVU(A) Flat Bottom Grain Bins

## Overall dimensions and capacity



Bin model	Bin diameter, m	Number of tiers	Bin volume, m <sup>3</sup>	Capacity for wheat, t (at bulk density of 0,8 t/m <sup>3</sup> )	Overall bin height, m
SMVU.165.22.B12.A	16.5	22	5 906	4 725	31.458
SMVU.165.21.B12.A	16.5	21	5 650	4 520	30.258
SMVU.165.20.B12.A	16.5	20	5 393	4 314	29.058
SMVU.165.19.B12.A	16.5	19	5 193	4 109	27.858
SMVU.165.18.B12.A	16.5	18	4 880	3 904	26.658
SMVU.165.17.B12.A	16.5	17	4 623	3 598	25.458
SMVU.165.16.B12.A	16.5	16	4 366	3 493	24.258
SMVU.165.15.B12.A	16.5	15	4 110	3 288	23.058
SMVU.165.14.B12.A	16.5	14	3 853	3 083	21.858
SMVU.165.13.B12.A	16.5	13	3 596	2 877	20.658
SMVU.165.12.B12.A	16.5	12	3 340	2 672	19.458
SMVU.165.11.B12.A	16.5	11	3 083	2 467	18.258
SMVU.165.10.B12.A	16.5	10	2 827	2 261	17.058
SMVU.165.09.B12.A	16.5	9	2 570	2 056	15.858
SMVU.165.08.B12.A	16.5	8	2 313	1 851	14.658
SMVU.165.07.B12.A	16.5	7	2 057	1 645	13.458
SMVU.165.06.B12.A	16.5	6	1 800	1 440	12.258
SMVU.183.22.B12.A	18.3	22	7 329	5 864	32.044
SMVU.183.21.B12.A	18.3	21	7 013	5 610	30.844
SMVU.183.20.B12.A	18.3	20	6 696	5 357	29.644
SMVU.183.19.B12.A	18.3	19	6 379	5 103	28.444
SMVU.183.18.B12.A	18.3	18	6 062	4 850	27.244
SMVU.183.17.B12.A	18.3	17	5 745	4 596	26.044
SMVU.183.16.B12.A	18.3	16	5 428	4 343	24.844
SMVU.183.15.B12.A	18.3	15	5 112	4 089	23.644
SMVU.183.14.B12.A	18.3	14	4 795	3 836	22.444
SMVU.183.13.B12.A	18.3	13	4 478	3 582	21.244
SMVU.183.12.B12.A	18.3	12	4 161	3 329	20.044
SMVU.183.11.B12.A	18.3	11	3 844	3 075	18.844
SMVU.183.10.B12.A	18.3	10	3 527	2 822	17.644
SMVU.183.09.B12.A	18.3	9	3 211	2 568	16.444
SMVU.183.08.B12.A	18.3	8	2 894	2 315	15.244
SMVU.220.22.B12.A	22.0	22	10 623	8 498	33.214
SMVU.220.21.B12.A	22.0	21	10 166	8 134	32.014
SMVU.220.20.B12.A	22.0	20	9 710	7 768	30.814
SMVU.220.19.B12.A	22.0	19	9 254	7 404	29.614
SMVU.220.18.B12.A	22.0	18	8 798	7 039	28.414
SMVU.220.17.B12.A	22.0	17	8 342	6 674	27.214
SMVU.220.16.B12.A	22.0	16	7 886	6 309	26.014
SMVU.220.15.B12.A	22.0	15	7 430	5 944	24.814
SMVU.220.14.B12.A	22.0	14	6 974	5 579	23.614
SMVU.220.13.B12.A	22.0	13	6 518	5 214	22.414
SMVU.220.12.B12.A	22.0	12	6 062	4 849	21.214
SMVU.220.11.B12.A	22.0	11	5 605	4 484	20.014
SMVU.220.10.B12.A	22.0	10	5 149	4 119	18.814
SMVU.220.09.B12.A	22.0	9	4 693	3 754	17.614
SMVU.220.08.B12.A	22.0	8	4 236	3 390	16.414
SMVU.275.22.B12.A	27.5	22	16 911	13 529	34.800
SMVU.275.21.B12.A	27.5	21	16 199	12 959	33.600
SMVU.275.20.B12.A	27.5	20	15 486	12 389	32.400
SMVU.275.19.B12.A	27.5	19	14 773	11 818	31.200
SMVU.275.18.B12.A	27.5	18	14 060	11 248	30.000
SMVU.275.17.B12.A	27.5	17	13 348	10 678	28.800
SMVU.275.16.B12.A	27.5	16	12 635	10 108	27.600
SMVU.275.15.B12.A	27.5	15	11 922	9 538	26.400
SMVU.275.14.B12.A	27.5	14	11 209	8 967	25.200
SMVU.275.13.B12.A	27.5	13	10 497	8 397	24.000
SMVU.275.12.B12.A	27.5	12	9 784	7 827	22.800
SMVU.275.11.B12.A	27.5	11	9 071	7 257	21.600
SMVU.275.10.B12.A	27.5	10	8 358	6 687	20.400
SMVU.275.09.B12.A	27.5	9	7 646	6 116	19.200
SMVU.275.08.B12.A	27.5	8	6 933	5 546	18.000

Note: To find out the weight of product, stored in the bin it takes to multiply the bin volume (indicated in m<sup>3</sup>) by bulk density of the product.  
 For instance, to find out the weight of the barley, stored in SMVU.220.20.B12.A bin.  
 Bin SMVU.220.A with 20 tiers has a volume of 9 710 m<sup>3</sup>. At the bulk density of barley equal to 0,61 t/m<sup>3</sup> the bin capacity is equal to 5 923 tons.

- Bulk density of main grain crops:
1. Wheat: 0,8 t/m<sup>3</sup>;
  2. Barley: 0,61 t/m<sup>3</sup>;
  3. Corn: 0,72 t/m<sup>3</sup>;
  4. Soy, colesseed: 0,6 t/m<sup>3</sup>.