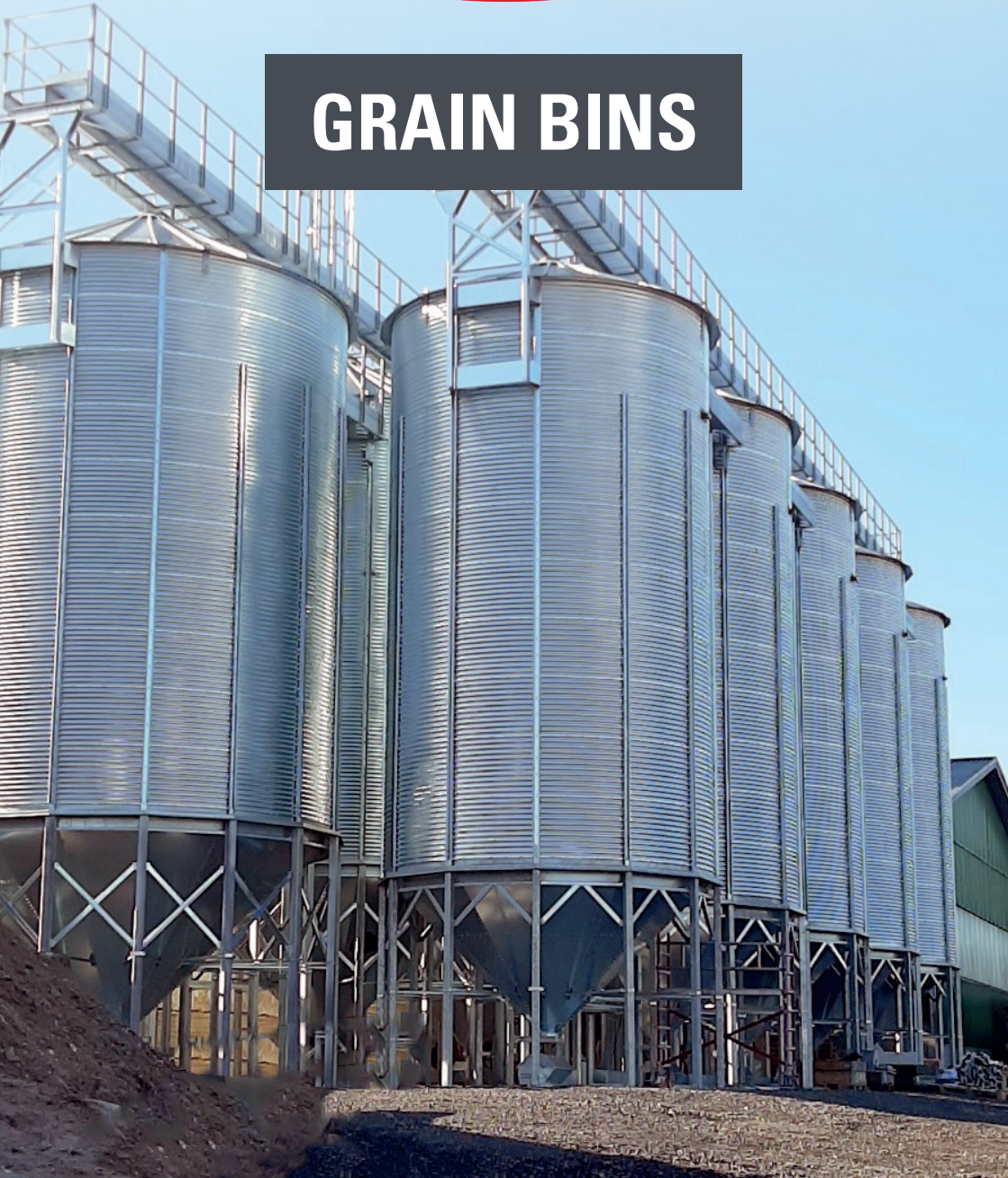




# GRAIN BINS



**FLEXIBLE AND RELIABLE GRAIN STORAGE**

## **GRAIN BINS**

Mepu grain bins have been designed to meet the requirements of modern grain storage down to the smallest details. Modern bins are high-quality, affordable and suitable for storage of all types of grain. The steel hopper bottom bins can be used in a versatile manner – for buffer storage or as a pellet bins.

Bin wall and roof elements have exceptionally good corrosion resistance. Bin assembly by bolt joints is easy and quick. Standard delivery includes wall stiffeners, a large manhole on roof and wall, ladders with safety cages, inlet and cover pipe for auger and filling aperture.

### **CONCRETE CONE BOTTOM BINS**

In case of concrete cone bottom bins, the auger lead-through has been carefully designed large enough (Ø450mm) for emptying the bin using the most efficient and robust Wheatheart auger.



**Larger models also available!**

**Flat bottom bins: Ø3 - 32m | 35 - 25 500m<sup>3</sup>**

**Steel hopper bottom bins: Ø4,6 - 12,23m | 95 - 4 394m<sup>3</sup>**

## OPTIONS

### DISCHARGE AUGERS AND CONVEYORS

There are different augers and conveyors available for bin discharging and grain transfer.



### GRAIN LEVEL MONITOR

You can get a mechanic and maintenance free grain level monitor for bin. It's proven and cost effective method to accurately monitor the levels of material in your bin. As the material in your bin reaches the grain level monitor, it turns the color from black to green – even glowing in the dark! You can install multiple level monitor devices along the bin wall at key levels.



### WALL SUPPORT FOR CONVEYOR

Conveyor support is attached to bin wall. It has a maximum load of 600kg and it's height can be fine adjusted 6cm.



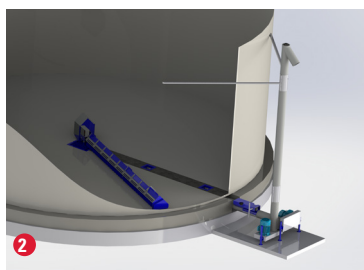
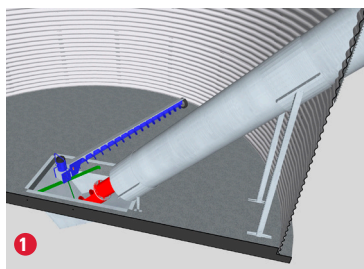
## FLAT BOTTOM BINS

| Model    | Volume [m <sup>3</sup> ] | Ø [m] | Wall height [m] | Height [m] |
|----------|--------------------------|-------|-----------------|------------|
| 480 / 4  | 68                       | 4,8   | 3,30            | 4,50       |
| 480 / 5  | 84                       | 4,8   | 4,13            | 5,33       |
| 480 / 6  | 100                      | 4,8   | 4,95            | 6,15       |
| 480 / 7  | 116                      | 4,8   | 5,78            | 6,98       |
| 480 / 8  | 132                      | 4,8   | 6,60            | 7,80       |
| 480 / 9  | 148                      | 4,8   | 7,43            | 8,63       |
| 480 / 10 | 164                      | 4,8   | 8,25            | 9,45       |
| 560 / 4  | 96                       | 5,6   | 3,30            | 4,70       |
| 560 / 5  | 117                      | 5,6   | 4,13            | 5,52       |
| 560 / 6  | 138                      | 5,6   | 4,95            | 6,35       |
| 560 / 7  | 159                      | 5,6   | 5,78            | 7,18       |
| 560 / 8  | 180                      | 5,6   | 6,60            | 8,00       |
| 560 / 9  | 201                      | 5,6   | 7,43            | 8,83       |
| 560 / 10 | 222                      | 5,6   | 8,25            | 9,65       |
| 640 / 4  | 124                      | 6,4   | 3,30            | 4,90       |
| 640 / 5  | 151                      | 6,4   | 4,13            | 5,73       |
| 640 / 6  | 178                      | 6,4   | 4,95            | 6,55       |
| 640 / 7  | 205                      | 6,4   | 5,78            | 7,38       |
| 640 / 8  | 232                      | 6,4   | 6,60            | 8,20       |
| 640 / 9  | 259                      | 6,4   | 7,43            | 9,03       |
| 640 / 10 | 286                      | 6,4   | 8,25            | 9,85       |
| 720 / 4  | 156                      | 7,2   | 3,30            | 5,10       |
| 720 / 5  | 190                      | 7,2   | 4,13            | 5,93       |
| 720 / 6  | 224                      | 7,2   | 4,95            | 6,75       |
| 720 / 7  | 258                      | 7,2   | 5,78            | 7,58       |
| 720 / 8  | 292                      | 7,2   | 6,6             | 8,40       |
| 720 / 9  | 326                      | 7,2   | 7,43            | 9,23       |
| 720 / 10 | 360                      | 7,2   | 8,25            | 10,05      |

## DISCHARGE OPTIONS FOR FLAT BOTTOM BINS

There are several ways to empty the Mepu bins. A flat-bottomed silo can be equipped with a movable sweep auger (1) in conjunction with a pulling Wheatheart screw auger. Sweep auger's maximum capacity is 25t / h.

Another option to empty a flat bottom bin is a stationary sweep auger (2) that transfers the grain to the horizontal discharge screw and then to the discharge end. Three different versions can be selected for the discharge head: horizontal, with 25 degree angle and vertical (in the picture). Discharge screw's maximum capacity is 80t / h.





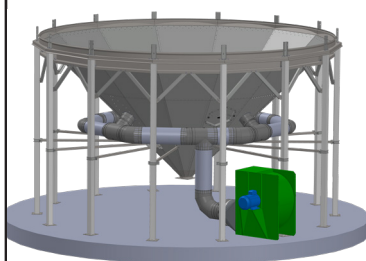
## 45° STEEL HOPPER BOTTOM BINS

Bins have 70cm free space underneath the hopper. Fully galvanized structure.

| Model    | Volume [m <sup>3</sup> ] | Ø [m] | Wall height [m] | Height [m] |
|----------|--------------------------|-------|-----------------|------------|
| 480 / 4  | 85                       | 4,8   | 6,20            | 7,40       |
| 480 / 5  | 101                      | 4,8   | 7,03            | 8,23       |
| 480 / 6  | 117                      | 4,8   | 7,85            | 9,05       |
| 480 / 7  | 133                      | 4,8   | 8,68            | 9,88       |
| 480 / 8  | 149                      | 4,8   | 9,50            | 10,70      |
| 480 / 9  | 165                      | 4,8   | 10,33           | 11,53      |
| 480 / 10 | 181                      | 4,8   | 11,15           | 12,35      |
| 560 / 4  | 119                      | 5,6   | 6,60            | 8,00       |
| 560 / 5  | 139                      | 5,6   | 7,43            | 8,82       |
| 560 / 6  | 160                      | 5,6   | 8,25            | 9,65       |
| 560 / 7  | 181                      | 5,6   | 9,08            | 10,48      |
| 560 / 8  | 202                      | 5,6   | 9,90            | 11,30      |
| 560 / 9  | 223                      | 5,6   | 10,73           | 12,13      |
| 560 / 10 | 244                      | 5,6   | 11,55           | 12,95      |
| 640 / 4  | 154                      | 6,4   | 7,00            | 8,60       |
| 640 / 5  | 181                      | 6,4   | 7,83            | 9,43       |
| 640 / 6  | 208                      | 6,4   | 8,65            | 10,25      |
| 640 / 7  | 235                      | 6,4   | 9,48            | 11,08      |
| 640 / 8  | 262                      | 6,4   | 10,30           | 11,90      |
| 640 / 9  | 289                      | 6,4   | 11,13           | 12,73      |
| 640 / 10 | 316                      | 6,4   | 11,95           | 13,55      |

### VENTILATION SYSTEM

Steel hopper bottom bins can be equipped with a ventilation system, in which case the bin is excellently usable for dry grain cooling. Grain can be stored in bins equipped with a ventilation system directly after threshing, which means that the bin can also be utilised for buffer storage.



**CONTACT US!**

**[www.mepu.com](http://www.mepu.com)**



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