



**LIFE
DINALP
BEAR**

Population level management and
conservation of brown bears in northern
Dinaric Mountains and the Alps



**ZAVOD za GOZDOVE
SLOVENIJE**
Slovenia Forest Service

University of Ljubljana



BEAR-PROOF COMPOSTER

Assembly instructions

Project LIFE DINALP BEAR
ACTION C.1 – Conflict mitigation in the hot-spot areas - organic waste

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The set contains:

- Four sides made of 3.5-cm thick oak.



- Lid made of 3.5-cm thick oak with concrete weight.



- Four oak poles to attach the composter to the ground.



- Package with fastening material, containing: eight clamping screws (CW 4.8, M10 x 150) **1**, eight washers **2**, eight wing nuts (M10) **3**, two self-tapping screws with hexagonal head (10x140, 17 mm) **4**, one locking plug with associated nut (30 mm) **5**, four metal plates **6** and eight wood screws (6 x 120, TX 30) **7**.





Tools you need to assemble:

- Ratchets
- Socket wrench 17 mm
- Socket wrench or fork wrench 30 mm
- Drill / screwdriver with TX 30 attachment
- Hammer

Assembling:

1. Assemble the perimeter of the composter from four sides. The composter has already been experimentally assembled, the corners are numbered in pairs for optimal fit.



Use clamp bolts, washers and wing nuts to join the corners. The screw holes are already made.



2. Attach a metal plate to the bottom of each corner with a single wood screw (6 x 120, TX 30). The tile serves to attach the composter to poles driven into the ground (see point 5), and it is easiest to install them before installing the compost lid, which significantly increases the weight of the composter.



3. Install the composter lid with the hexagonal-head screws. Use a ratchet and a 17 mm socket wrench.



The screws perform the function of a hinge, so do not tighten them to the end, or tighten them so that the lid opens smoothly.

For the smooth opening of the lid, it is also important that the diagonals of the composter floor plan are the same length (seen in the floor plan, the composter must form a square), which must be taken into account especially when attaching the composter to poles driven into the ground (see point 5).



4. A locking plug must be installed in the front side. This is done by inserting it into the hole prepared for this purpose (above the stamp “bear-proof”) and fastening it from the inside with the corresponding 30 mm nut.

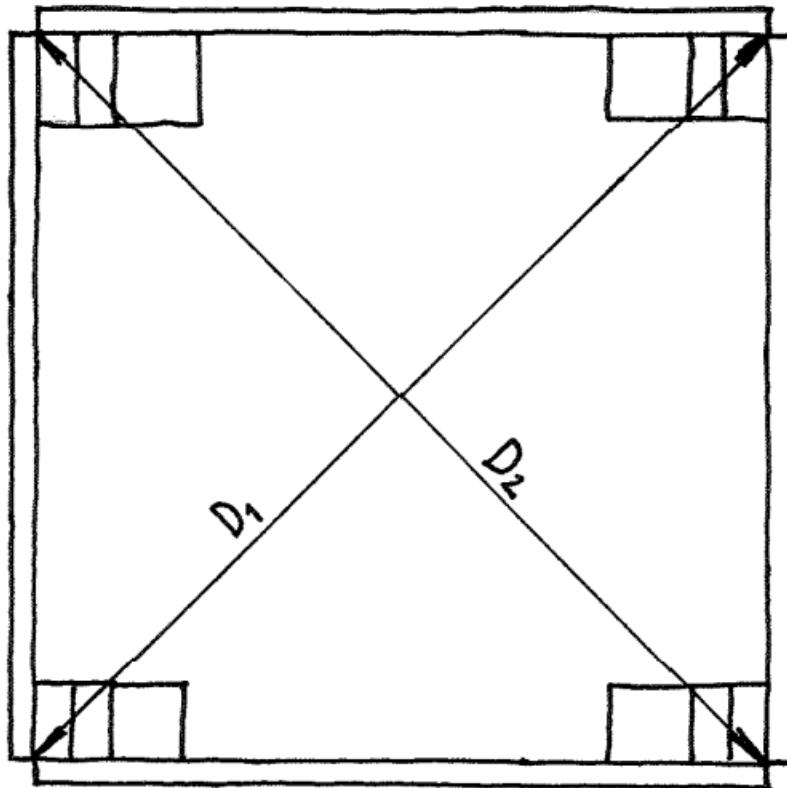


The locking plug enables safe closing, as well as one-handed opening of the composter, as the weight on the lid is heavy enough to tip the lid. When opening, pull the handle of the plug towards you, and the lid should open automatically due to the operation of the counterweight. In case it does not open automatically, a little force is needed to open it. To close, pull the plug handle again and close the lid.

In the front, the lower two boards are fastened with wing nuts, which allows opening without tools and removing the boards when emptying the composter. After emptying, return the boards to their position and fasten them with wing nuts and washers.



5. Obligatorily, the composter must be fixed to the ground. Attach the composter to the ground by first driving four oak poles into the ground with a heavy blacksmith's hammer in suitable places. We suggest that you place the composter experimentally on the place where it will stand and mark the places in the corners, where the poles will be driven into the ground. These must be completely hidden in the ground, i.e. the top of the pole must be levelled with the ground. As already mentioned in the third point, note that the diagonals must be the same length ($D_1 = D_2$)



Drive the oak poles firmly into the ground, (but not deeper than the ground - the top of the pole should be levelled with the ground). If the pole cannot be driven deep enough and part of it sticks out of the ground, saw off the top of the pole so that it is levelled with the ground. Then fasten the composter to the poles with the help of tiles, pre-screwed to the bottom of the corners of the composter with wooden screws (shown in point 2).

