



The Roundhouse® is characterised by its simplicity. Its natural round shape dates back to the Bronze Age. In this barn concept, the round shape is further optimised through the use of modern materials and techniques. The result is a barn concept in which animal health, work convenience and cost-efficiency are the top priorities.

#### Characteristics

In principle, the Roundhouse® was designed for slaughter cattle. However, it lends itself well to use for dairy cattle, transition cows, juveniles, or to shelter a rotary milking parlour. The Roundhouse comes in three dimensions. The smallest has a diameter of 22 metre, the others of 30 meter and 45 meters. This leads to a space of 411 m<sup>2</sup>, 718 m<sup>2</sup> and 1590m<sup>2</sup> for the cattle.

A control area is situated in the centre of the structure. This area is connected to the outside of the structure and is therefore easily accessed by the farmer.

All the animals from a single section can fit into this area and can be led by a single person to the integrated handling box or to a loading area to be transported. The animals can also be locked into the central area while the safe adding of straw or mucking out takes place.



### Construction

The hot-dipped steel structure consists of a single central column onto which framework rafters are mounted.. This design results in a perfectly round shape. The entire steel structure is completely covered with a made-to-measure high-quality synthetic sheet. The open structure with its flowing roof shape, inspired by textile architecture, provides an attractive aesthetic view from all sides, making the barn blend in with its environment.

### Construction time

The total construction time necessary and the risks posed by overhead work can be limited to a minimum because the whole structure, including the roof, can be assembled at ground level. The entire structure is then lifted via the central column while the outer columns are hinged inwards.

### Light & Ventilation

The roof has a large overhang, making side walls unnecessary. This open round shape guarantees excellent ventilation, since there are no dead corners in the structure. The top of the roof structure is fitted with an open ridge. Air from all sides can be drawn through this opening.

The Roundhouse's® open characteristics also create a bright working- and living environment for humans and animals. The ventilation and brightness aspects both contribute to a healthy barn climate and superior animal comfort.

### ID Agro

ID Agro is a dynamic company which has been specialising for over a decade in the development of innovative housing systems for the livestock industry. ID Agro's strength is its ability to offer both customised as well as standardised solutions for competitive prices. In designing and constructing the super structure, the lay-out and the wishes of the entrepreneur are our main concern.



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