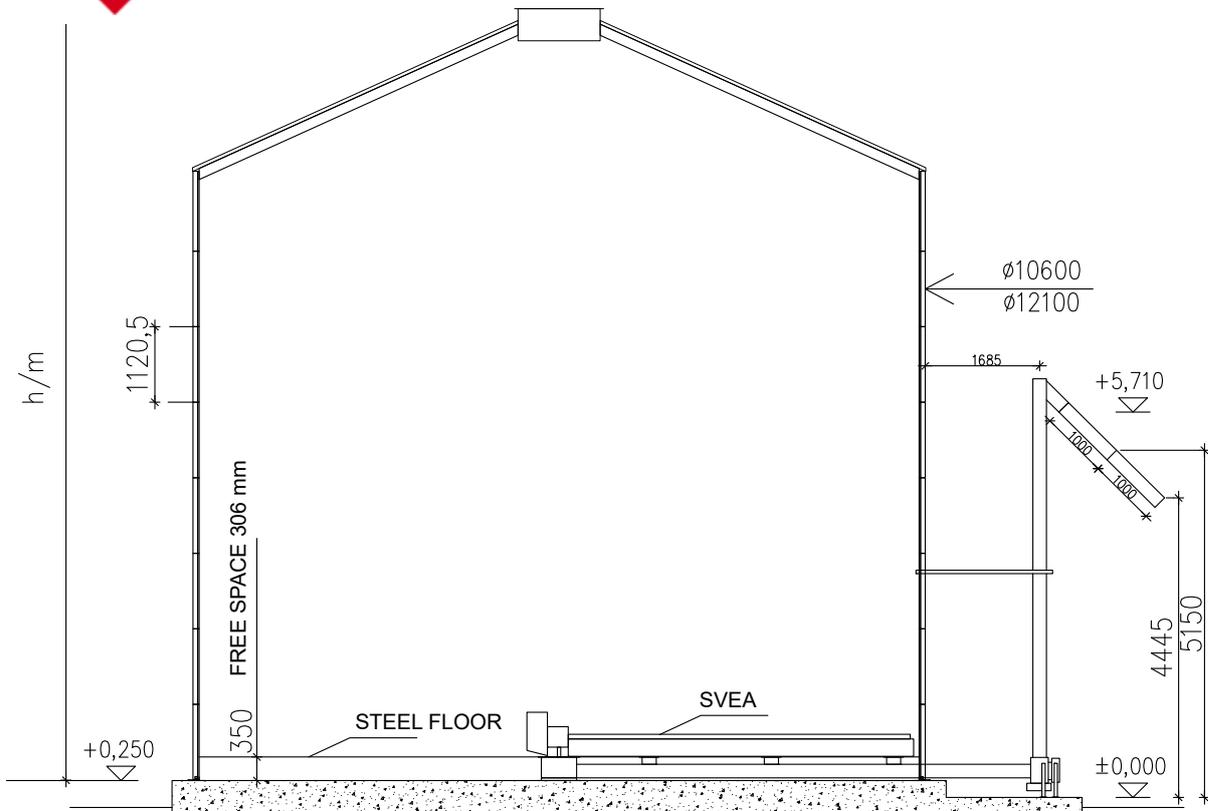




Grain silo D10,6m and D12,1m M22 with ventilating floor



The grain silos of 10.6 m and 12.1 m are designed in accordance with the Eurocode standard for the demanding conditions of the north. In the Eurocode standard, the design basis for structures is the grain weight of 917 kg / m³. The grain silo is made of galvanized high-quality steel made by SSAB. Antti grain silo is a durable and safe choice for high-quality grain storage. The grain silo consists of silo elements as well as external profiled vertical stiffeners and a roof. The grain silo is equipped with a large door, which allows easy access to the silo if necessary. The vertical ladders leading to the roof are equipped with back guard. The roof is equipped with separate roof beams, thanks to which its structure withstands the snowy winters of the north, the load on the middle cone of the roof is 1500 kg. The roof has safe roof ladders and handrails as well as a manhole.

The grain silo is equipped with aeration floor over the entire area of the silo floor. The aeration floor allows the grain and/or the rape seed to be cooled by means of a high-pressure blower. The grain and/or the rape seed remains of high quality and it is possible to maintain it with the help of a aeration floor. The total height of the aeration floor from the top surface of the foundation is 351 mm and free space is 306mm.

- Ventilating floor **1,5mm GRAIN**= is intended only for storing grain.
- Ventilating floor **1,0mm RAPE SEED/GRAIN** = is intended only for storing rape seed/grain.

| D10,6 | | Ventilating floor ø1,5mm GRAIN | Ventilating floor ø1,0mm RAPE SEED/ GRAIN | D12,1 | | Ventilating floor ø1,5mm GRAIN | Ventilating floor ø1,0mm RAPE SEED/ GRAIN |
|--------------|-------|--------------------------------------|--|--------------|-------|--------------------------------------|--|
| layer | h/m | m ³ | m ³ | layer | h/m | m ³ | m ³ |
| 6 | 9,21 | 633 | 633 | 6 | 9,48 | 841 | 841 |
| 7 | 10,33 | 732 | 732 | 7 | 10,60 | 969 | 969 |
| 8 | 11,45 | 831 | 831 | 8 | 11,72 | 1098 | 1098 |
| 9 | 12,57 | 929 | 929 | 9 | 12,84 | 1227 | 1227 |
| 10 | 13,69 | 1028 | 1028 | 10 | 13,96 | 1356 | 1356 |
| 11 | 14,82 | 1127 | 1127 | 11 | 15,08 | 1485 | 1485 |
| 12 | 15,94 | 1225 | 1225 | 12 | 16,20 | 1614 | 1614 |
| 13 | 17,06 | 1324 | 1324 | 13 | 17,32 | 1742 | |
| 14 | 18,18 | 1422 | 1422 | 14 | 18,44 | 1870 | |