



# Cereal storage silos for indoor and outdoor use



- ◆ with type guide
- ◆ galvanised
- ◆ stable construction
- ◆ high production quality
- ◆ surface profiling of the silo plates which gives greater stability and better suited for cultivation products, e.g. seeds
- ◆ matched aeration systems and aeration fans
- ◆ control of the stored product using NEUERO temperature measurement equipment
- ◆ cereal storage silos with funnel subframe in segment construction
- ◆ and many other advantages are provided by NEUERO Getreidetechnik

NEUERO provides you with everything for cereals  
 storage ◆ cleaning ◆ drying  
 cooling ◆ aeration ◆ milling

Your NEUERO dealer:



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*The cereal fulliner*





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# Aeration technology

for healthy cereals



# Fans for silo aeration

Type	Motor [N=1450min <sup>-1</sup> ] kW (400V, 50Hz) directly coupled	Fan Speed rpm	Air capacity [m <sup>3</sup> /h/pressure Pa]	Blow out [Ø]	Weight [kg]
BG 80	4,0	2900	3200/500	150 mm	68 kg
NV 11	1,1	2900	2000/1200	150 mm	44 kg
NV 30	3,0	2900	6000/1400	310 mm	64 kg
NV 35	4,0	2900	8000/1200	310 mm	87 kg
NV 75 HD	7,5	2900	8000/3100	310 mm	136 kg
NV 75 HD	7,5	2900	11000/2500	500 mm	136 kg

## Overall width

BG 80	700 mm
NV 11	480 mm
NV 30	604 mm
NV 35	650 mm
NV 55 S	685 mm
NV 75 HD	805 mm



## Aeration fans classification

Fan Type	kW	Output*
BG 80	4,0	up to 50 t/h
NV 11	1,1	up to 75 t/h
NV 30	3,0	up to 200 t/h
NV 35	4,0	up to 300 t/h
NV 75 HD	7,5	up to 500 t/h

\* based on 20 m<sup>3</sup>/m<sup>3</sup> cereal/hour depending on the pressure



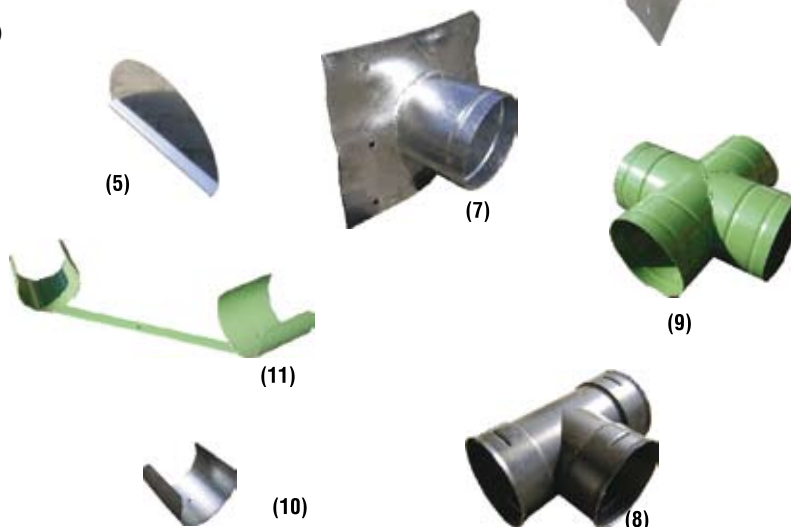
## Individual components for aeration equipment

Aeration channel 32/64 completely perforated  
 Aeration channel 24/48 completely perforated 0.9 m long, 3.0 kg (1)  
 Aeration channel 24/48 partially perforated 0.9 m long, 3.1 kg  
 Y-distributor for aeration channel 24/48, 5.2 kg (2)  
 X-distributor for aeration channel 24/48/, 4.5 kg (3)  
 Angle 90° for aeration channel 24/48 (4)  
 End plate for aeration channel 24/48 (5)  
 Blower connection Ø 150 with connection plate (6)  
 Blower connection Ø 310 NL with connection plate corrugated (7)



## Individual components for rectangular storage silo aeration equipment

Rubber cover Ø 150 for silo connection nozzle  
 Aeration T-piece Ø 150 (8)  
 Aeration crosspiece Ø 150 (9)  
 Hose guide, straight (10)  
 Hose guide 90° (11)  
 End cap for aeration hose  
 Connection collar Ø 160, 0.16 m long (plastic)





# Aeration technology for healthy cereals



Photo: silo connection nozzle

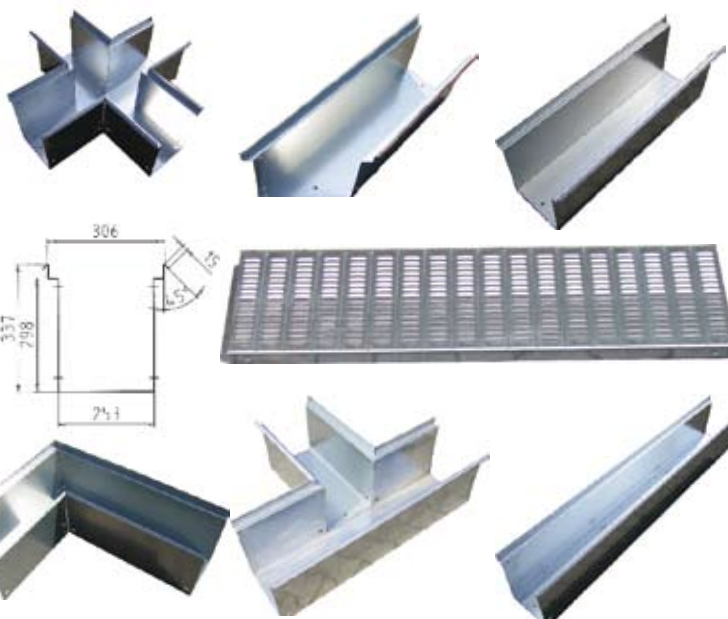


## Installation of permanent formwork for under floor aeration

### Permanent formwork

- Grill W=300 mm, L=1000 mm galvanised (slot-wheel pressure 6 t)
- Grill W=300 mm, L=500 mm galvanised (slot-wheel pressure 6 t)
- Grill W=300 mm, L=1000 mm galvanised (perforated metal plate-wheel pressure 10 t)
- Permanent formwork W=300, L=2000 mm, galvanised 1 mm plate thickness
- End cap W=300 mm, permanent formwork, galvanised
- Angle 90° right W=300 mm, permanent formwork, galvanised, 1 mm plate\*
- Angle 90° left W=300 mm, permanent formwork, galvanised, 1 mm plate\*
- T-piece W=300 mm, permanent formwork, galvanised 1 mm plate\*

\*per angle 90° right or left and T-piece, one 1 m and one 0.5 m grill plate must be planned



## NEUERO telescopic pipe for surface storage

- ◆ perforated end cap
- ◆ can be filled up to 5 m high
- ◆ air outlet surface on the complete length of max. 20 m
- ◆ uniform air outlet surface
- ◆ suitable for surface storage aeration
- ◆ telescope is withdrawn mechanically from the full cereal storage
- ◆ trouble-free pulling apart the bunch of pipes possible using crimps, flat bars, driving dog
- ◆ sealing mechanism of each individual pipe
- ◆ inside cable attachment
- ◆ easy expansion of the telescope pipe (modular structure)
- ◆ perforation 1,5 mm; also suitable for rapeseed including
- ◆ extension piece 0.5 m with bayonet connection for going through walls.

Type	Number of pipes	Length of single pipe [m]	Nominal length [m]	Connection nozzle Ø [mm]	Weight [kg]	Usable length appr. [m]
2/2/4/300	2	2	4	300	42	3,92
3/2/6/300	3	2	6	300	60	5,85
4/2/8/300	4	2	8	300	75	7,77
5/2/10/300	5	2	10	300	90	9,70
6/2/12/300	6	2	12	300	103	11,62
7/2/14/300	7	2	14	300	117	13,55
8/2/16/300	8	2	16	300	129	15,47
9/2/18/300	9	2	18	300	140	17,40
10/2/20/300	10	2	20	300	150	19,32



## NEUERO telescopic pipe for surface storage

The aeration spear (230 V) operates with a sucking action. The aeration spear (380 V) can be used both with a sucking action as well as a pressing one (by implementing the blower). The aeration spear cures hot spots arising in the cereal and protects against high losses at low cost. The aeration spear is simply pushed into the cereal and afterwards screwed in deeper with the handle and it is then ready for operation. The aeration spear cools the cereal in the surrounding area and is simply screwed out and moved to the next area when this area is cool. Thus, the cereal is aerated successively.

Type	Motor	Air flow	Length
Aeration spear 230, 230 V	150 W	250 m <sup>3</sup> /h	2,5 m
Aeration spear, 380 V	2,2 kW	2600 m <sup>3</sup> /h	3,0 - 3,8 m without fan

