

PRODUCT INFORMATION

Extension of silo series BD-EU WL2

Silos of the BD-EU WL2 series with a diameter of 2750 mm and 6 legs are available with 5, 6 and 6 rings as of now. The new silo types comply with German structural standards and are thus approved in the EU.

Up to now, the silos made of galvanized sheet steel of the BD-EU WL2 series with a diameter of 2750 mm were only available with up to 4 rings and a maximum volume of 27 m³. Now, we offer three more silos sizes:

- 5-ring silo D2750 with 32.20 m³
- 6-ring silo D2750 with 37.40 m³
- 7-ring silo D2750 with 42.60 m³



 BUSINESS UNIT <input checked="" type="checkbox"/> Egg <input checked="" type="checkbox"/> Poultry <input checked="" type="checkbox"/> Pig		RELEASED <input type="checkbox"/> Regionally <input checked="" type="checkbox"/> Internationally		NUMBER OF PUBLICATION 01-0365 <small>(per region)</small>		NO. OF PAGES INCL. COVER 6	
				PUBLISHED ON 01.08.2019 <small>(date)</small>			
REGION OF APPLICATION <input type="checkbox"/> Asia <input type="checkbox"/> China <input checked="" type="checkbox"/> Europe <input type="checkbox"/> India <input type="checkbox"/> Latin America <input type="checkbox"/> MEA <input type="checkbox"/> North America <input checked="" type="checkbox"/> Russia							
Further limitations/exceptions of countries:							
LANGUAGES <input checked="" type="checkbox"/> English <input type="checkbox"/> Chinese <input checked="" type="checkbox"/> French <input checked="" type="checkbox"/> German <input checked="" type="checkbox"/> Russian <input type="checkbox"/> Spanish <input type="checkbox"/> Others							
RELEASED BY							
NAME 1 Ludger Themann Central Technologies				NAME 2 Ilja Lebedev Central Technologies			
NAME 3				NAME 4			
SIGNATORY RULES							
Regional product (only for one region) Name 1: Chief Engineer of BU (global) Name 2: Employee Customer Engineering (region)		International product (only more than one region) Name 1: Product Manager (global) Name 2: Employee Engineering (global or regional)		Products Central Technologies Name 1: Product Manager CT or 1-3 Product Manager(s) BU (global)* Name 2: Product Owner CT			
<small>*only if there is no Product Manger CT in charge</small>							

The new silo types extend the range of feed bins made of galvanized sheet steel. The new silos have a diameter of 2750 mm. The frame is made of six legs and the respective braces. The following storage volumes result from the additional silo rings:

	5 rings	6 rings	7 rings
			
Volume	32.20 m ³	37.40 m ³	42.60 m ³
Filling level at 650 kg/m³	20.93 t	24.31 t	27.69 t
Max. filling level at 800 kg/m³	25.76 t	29.92 t	34.08 t

As is the case with the other silos of the BD-EU WL2 series, the structural standards of the new silos have been tested. This means that the silos can be erected in Germany and other EU countries as long as no stricter regulations apply.

Admissible bulk weight

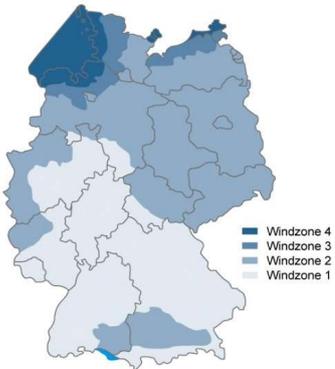
The silos of the BD-EU WL2 series are designed for a maximum bulk weight of 800 kg/m³.

Silo material

To ensure the required stability and security, ring sheets with a material thickness of 1.5 mm, 1.75 mm and 2.0 mm are used for 5-ring, 6-ring and 7-ring silos. Additionally, hopper sheets with a material thickness of 1.75 mm and 2.0 mm are used.

The individual components of the silos of the BD-EU WL2 series have a zinc-aluminium coating. This coating offers an improved corrosion protection than standard galvanisation with 350 g/m².

Wind load zones

	<p>The erection of an outside silo is subject to approval in Germany. In this process, the responsible authority checks whether the silo is allowed for the wind load zone of the respective region. Wind forces and wind pressures differ depending on the region. Germany is divided into four wind load zones according to DIN 1055-4.</p> <p>The new silos are designed for wind load zones 1 and 2.</p>
---	--

For wind load zones 3 and 4, sheet metal silos are not available. Use appropriate GRP silos in these wind load zones.

Silo filling

The new silos are filled as the previous silos of the BD-EU WL2 series:

	<p>Mechanical filling (M)</p> <p>The silo lid is opened by means of a traction rope when standing on the floor.</p>
	<p>Pneumatic filling (P)</p> <p>Consists of a fill tube (galvanized steel) and a breather pipe (plastic). The silo lid can be locked by two special fastenings.</p>
	<p>Pneumatic/mechanical filling (P/M)</p> <p>For this version, both systems are used.</p>

The filling type of a silo is reflected in the silo description:

Silo BD-M-EU WL2.....=> mechanical filling

Silo BD-P-EU WL2.....=> pneumatic filling

Silo BD-P/M-EU WL2...=> combination of both filling types

Coding
Silos with mechanical filling

Code no.	Description	Volume [m ³]	Filling amount [t]*	Height [m]
25-18-1250	Silo BD-M-EU WL2 27.00 m ³ d2750 h7190 5-ring 6-leg	32.20	20.93	8040
25-18-1260	Silo BD-M-EU WL2 27.00 m ³ d2750 h7190 6-ring 6-leg	37.40	24.31	8910
25-18-1270	Silo BD-M-EU WL2 27.00 m ³ d2750 h7190 7-ring 6-leg	42.60	27.69	9790

*) = in case of a bulk density of 650 kg/m³

Silos with pneumatic filling

Code no.	Description	Volume [m ³]	Filling amount [t]*	Height [m]
25-18-2250	Silo BD- P-EU WL2 27.00 m ³ d2750 h7190 5-ring 6-leg	32.20	20.93	8040
25-18-2260	Silo BD- P-EU WL2 27.00 m ³ d2750 h7190 6-ring 6-leg	37.40	24.31	8910
25-18-2270	Silo BD- P-EU WL2 27.00 m ³ d2750 h7190 7-ring 6-leg	42.60	27.69	9790

*) = in case of a bulk density of 650 kg/m³

Silos with pneumatic/mechanical filling

Code no.	Description	Volume [m ³]	Filling amount [t]*	Height [m]
25-18-3250	Silo BD- P M-EU WL2 27.00 m ³ d2750 h7190 5-ring 6-leg	32.20	20.93	8040
25-18-3260	Silo BD- P M-EU WL2 27.00 m ³ d2750 h7190 6-ring 6-leg	37.40	24.31	8910
25-18-3270	Silo BD- P M-EU WL2 27.00 m ³ d2750 h7190 7-ring 6-leg	42.60	27.69	9790

*) = in case of a bulk density of 650 kg/m³

Optional accessories for silos

Silo ladder and safety cage

Ladder for silo	Safety cage	Suspension ladder
		
<p>The ladder for silo consists of pre-assembled ladder segments and is fixed to the silo body.</p>	<p>The safety cage offers additional protection when climbing up and down.</p>	<p>To avoid unauthorised persons from climbing the silo ladder, the first step is located at a height of approx. 2 meters. Use the suspension ladder to reach the silo ladder.</p>

Coding for ladder for silo

Code no.	Description
25-17-8651	Ladder for silo BD 32.20m ³ d2750 h8040 5-ring with roof ladder
25-17-8645	Ladder for silo BD 37.40 m ³ d2750 H8910 6-ring with roof ladder
25-17-8674	Ladder for silo BD 42.60 m ³ d2750 H9790 7-ring with roof ladder

Coding for safety cages for silos

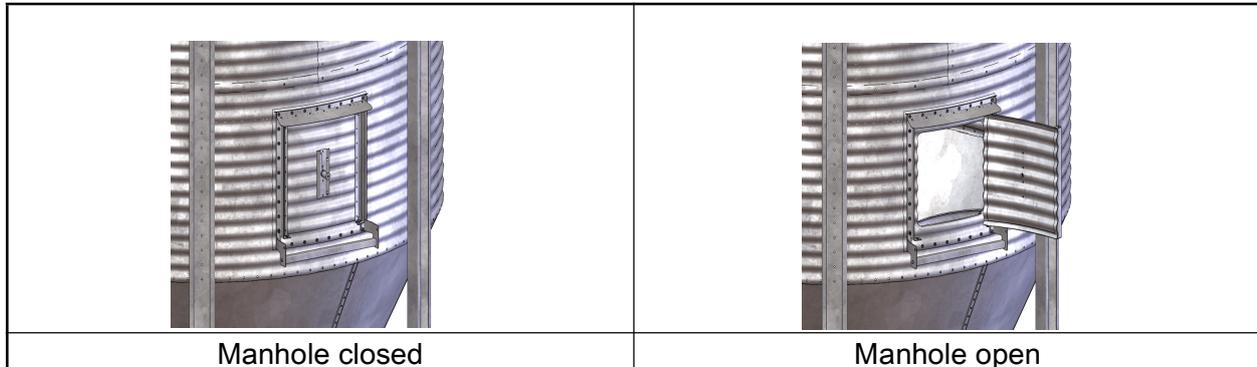
Code no.	Description
25-17-8434	Safety cage for silo BD/5-ring D2750
25-17-8435	Safety cage for silo BD/6-ring D2750
25-17-8436	Safety cage for silo BD/7-ring D2750

Coding for suspension ladder

Code no.	Description
25-17-8612	Ladder for silo BD d2750 to hang to the below part

Manhole

Silos must be cleaned regularly. To facilitate cleaning, create an access at the side in the form of a manhole. The manhole complies with German structural standards and may be installed in the silos of the BD-EU WL2 series.



Coding of manhole

Code no.	Description
83-06-9575	Manhole in ring silo BD D2750

Special accessories for silos with pneumatic filling

  	– A A - fill tube – B B - adaptor nipple – C C - TW coupling	<p>Most vehicles for transporting feedstuffs use hoses with quick coupling to blow feed into the silo.</p> <p>There are different adaptor nipples and couplings available for the different systems.</p>
---	--	--

Coding of accessories for pneumatic filling

Code no.	Description
25-17-9106	Adaptor nipple 3" for fill tube silo
25-17-6257	Adaptor nipple 4" for fill tube silo
83-17-9246	Adaptor nipple 4 1/2" for fill tube silo
25-01-3002	Coupling TW-3" brs for filling pipe
25-01-3004	Coupling TW-4" brs for filling pipe
83-17-9257	Coupling Storz 110-A fm 4 1/2" Al for filling pipe

Set-up kits

Code no.	Description
25-17-8408	Set-up kit d2750 silo BD