

AZO Standard Silos with long skirt and 90° discharge cone

**non-
corroding**

**maintenance-
free**

**weather-
resistant**

**no problems with
static electricity
build-up**

Preferred applications

For storing bulk materials in the plastics, foodstuffs, chemical and pharmaceutical industries. Outdoor erection of the non-corrosive and weather-resistant aluminium standard silos on concrete base plates. Filling of the silos from silo vehicles via filling line with tanker couplings.

Special advantages

- Rust-proof and maintenance-free silo and accessories
- Neat appearance even after many years of service life, no re-coating
- Smooth surface, roughness less than 20 µm therefore problem-free product flow
- Comparatively low net weight, less transportation cost and easy erection
- Choice of 4 diameters and various silo heights for optimum adaptation of the capacity to the requirements of the operation
- Minimum increase of product temperature due to good reflection of the silo surface
- No problems with static electricity build-up

THE INNOVATION

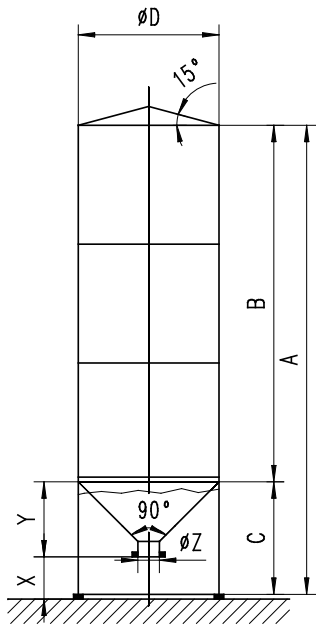


Technical data

The silo shell and the skirt are made of non-corroding and weather-resistant AlMg3 aluminum alloy which fulfils the sanitary requirements for food. The remaining parts, except the structural steel foundation ring, are either made of AlMg3, AlMgSi 0.5 or other non-corroding materials. The standard silos are designed for a calculated pressure of +45/-5 mbar and a bulk density of 0.6 kg/l, 1.0 kg/l alternatively.

The standard accessories include 1 set of jack rings and a discharge flange up to NW 500. Other accessories such filling lines, doors, hatches, connecting pipes, exhaust air filters, discharge devices etc. are supplied according to the specific situation of the plant. If especially required, the standard silos are available with insulation or completely of stainless steel for an additional charge.

Technical data



Comment:

When the cone is welded in deeper, consider smaller door and modifications in the installation of the discharge devices.

Dimensions X, Y, and Z depend on the respective discharge system. The gross capacity data is based on a discharge diameter Z of 250 mm and a ground clearance X of 1000 mm.

If dimension C is reduced by 100 mm, the additional capacity is as follows:

- Ø 2400 = 0.45 m³
- Ø 3000 = 0.70 m³
- Ø 3500 = 0.95 m³
- Ø 4200 = 1.38 m³

Type Ø D	Gross capacity in m ³	A	B	C	Net weight in kg at	
					0.6 kg/l	1.0 kg/l
2400/1/26	26	7500	5500	2000	690	740
2400/1/37	37	10000	8000	2000	860	930
2400/1/48	48	12500	10500	2000	1170	1160
2400/1/60	60	15000	13000	2000	1300	1440
2400/1/70	70	17500	15500	2000	1550	1720
3000/1/40	40	7500	5100	2400	940	1030
3000/1/55	55	10000	7600	2400	1190	1370
3000/1/65	65	11250	8850	2400	1340	1560
3000/1/75	75	12500	10100	2400	1480	1740
3000/1/83	83	13750	11350	2400	1640	1930
3000/1/90	90	15000	12600	2400	1800	2120
3000/1/100	100	16250	13850	2400	1970	2340
3000/1/110	110	17500	15100	2400	2150	2560
3000/1/125	125	20000	17600	2400	2560	3070
3500/1/53	53	7500	4900	2600	1380	
3500/1/65	65	8750	6150	2600	1550	
3500/1/77	77	10000	7400	2600	1730	
3500/1/100	100	12500	9900	2600	2120	
3500/1/125	125	15000	12400	2600	2490	
3500/1/150	150	17500	14900	2600	2980	
3500/1/173	173	20000	17400	2600	3500	
3500/1/197	197	22500	19900	2600	4050	
3500/1/221	221	25000	22400	2600	4680	
3500/1/245	245	27500	24900	2600	5350	
4200/1/105	105	10000	6900	3100	2550	
4200/1/140	140	12500	9400	3100	3070	
4200/1/174	174	15000	11900	3100	3520	
4200/1/208	208	17500	14400	3100	4120	
4200/1/243	243	20000	16900	3100	4700	
4200/1/278	278	22500	19400	3100	5460	
4200/1/312	312	25000	21900	3100	6210	