

Technical Description

ELBA Linear Storage bin RD 35

Linear bin

for storage and batching of aggregates, executed in a stable steel profiles-plate construction, with suitable static for direct supporting of a feeding ramp on one side or both sides. Quick Mounting of single compartments and separation walls by wedge joints. Under-structure galvanized - Bottom plates with batching gates and side walls painted in RAL 9002.

Segment Batching Gates

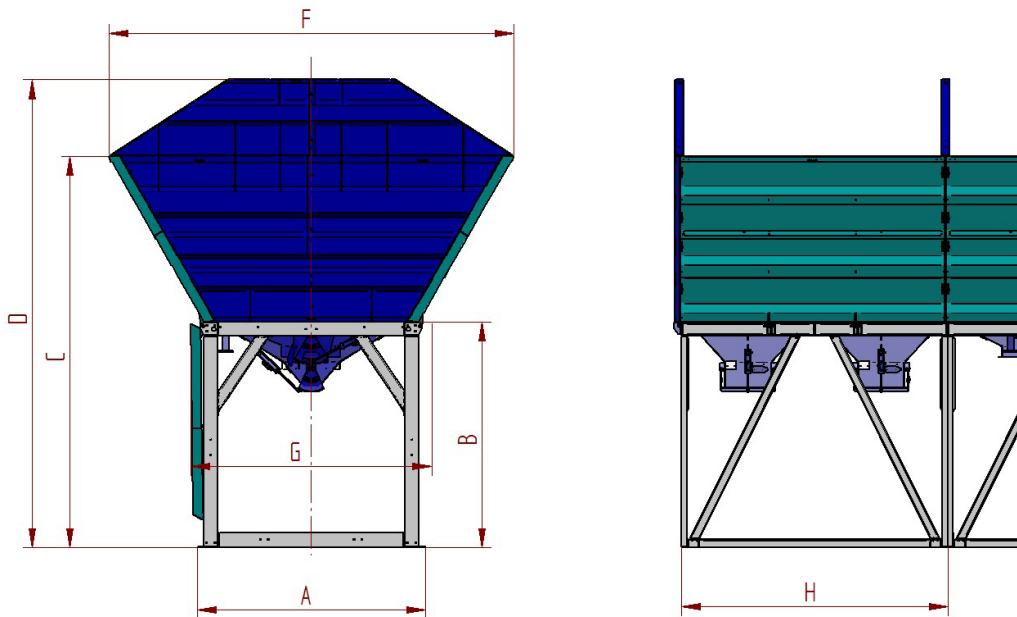
Opening dimensions 180 x 160 mm, electro-pneumatically operated, ready installed. Opening with adjustable buffers. Standard, workable grain size: crushed / round 32 mm, for coarse batching gates crushed / round 100/120 mm.

ELBA Weighing Conveyor belt

consists of a frame in steel profile construction, drive drum of concrete polymer for weighing range up to 8000 kg max. or ceramic coated for weighing range from 8000 kg up to 10000 kg, with passing axle with roller bearings.

Pressing roll to enlarge the wrap angle. Tension drum with passing axle with roller bearing and tension device.

Belt supporting stations, 3 sections cleted – adjustable, permanently greased, mounted every 0,3 m. Lower supporting roller stations approx. every 1,75 m. Conveyor belt endless vulcanised, EP 400/3, 4+2 mm rubber covering. Belt cleaner easily adjustable, as a laminar cleaner underneath the belt. Continuous rubber strip cleaner, adjustable. Belt conveyor height extension in steel sheet construction, rear part easily dismantable. Lateral safety cords with emergency stop on both sides. All movable parts are executed with protection devices in accordance to the European safety standard. Weighing belt in galvanized execution. Electrical drive via energy saving gear motor in accordance to the European EUP Directive 2005/32/EC.



Dimensions of one single compartment of RD 35

RD	Volume	A (mm)	B (mm)	C (mm)	D (mm)	F (mm)	G (mm)	H (mm)
35	35 cbm	3000	2960	5140	6140	5320	3170	3500

	RD 35-70	RD 35-105	RD 35-140	RD 35-175	RD 35-210
Length (without Weighing belt)	7,0 m	10,5 m	14,0 m	17,5 m	21,0 m
Width	5,32 m				
Height	6,14 m				
Feeding width	3,39 m				
Feeding height from foundation	5,14 m				
Total volume	70 cbm	105 cbm	140 cbm	175 cbm	210 cbm
Compartment / Volume	min. 2 x 35 max 4 x 17,5	min 3 x 35 max 6 x 17,5	min 4 x 35 max 8 x 17,5	min 5 x 35 max 10 x 17,5	min 6 x 35 max 12 x 17,5
Quantity of discharge gates	4 bis 8	6 bis 12	8 bis 16	10 bis 20	12 bis 24
Weighing Belt Length	8,12 m	11,6 m	15,1 m	18,6 m	22,1 m
Belt drive 800 mm Belt width	13,5 kW	18,5 kW	18,5 kW	24 kW	24 kW
Belt drive 1000 mm Belt width For a load up to 8000 kg max.	23 kW	23 kW	23 kW	27,5 kW	27,5 kW
Belt drive 1000 mm Belt width For a load up to 8000 - 10000 kg	-	-	-	33 kW	33 kW
Weighing range optional	of 2500 kg - 10000 kg				



RD in final assembly



RD ready for dispatch



Illustration shows option:
Sand moisture measuring device

Options:

- Side wall elements for feeding of aggregates laterally from one - or both sides with ramps
- Covering at rear
- L-support wall for the ramp
- Wear and tear plates of weighing belt
- Weigher control device
- Assistance of calibration
- Monitoring of „close“ Position
- Vibrator mounted at batching gate for sand
- Batching gates for large size particles
- Sand moisture measuring device
- Lighting
- Steam injection equipment
- Covering electrical operated

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Technische Änderungen vorbehalten.
Subject to technical changes.

Sous réserves de modifications techniques.
Sujeto a modificaciones técnicas.

Reserva-se o direito a alterações técnicas.
Технические данные могут быть изменены.