

CONCRETE BATCH PLANTS

BLOCK LANDSCAPE PAVING PIPE PRECAST PRESTRESSED

Concrete Batch Plants

Besser concrete batch plants are innovative to meet the needs of today's changing marketplace and built rugged, like all Besser machinery, to stand the test of time.

Quality

Quality is the hallmark of Besser machinery. Besser uses its expertise and resources to design customized plants to customer specific requirements. Highly skilled staff follow the stringent Besser Quality System during the design, manufacture, assembly and testing of the plants. All Besser equipment is manufactured with precision machinery, insuring consistent quality every time. This attention to detail translates into plants that produce consistent concrete, batch after batch.

Durability

Durability is an equally important reason for the outstanding productivity of Besser batch plants. Batch plants have earned the reputation as "Heavyweight Performers" in the concrete industries.

Four W-1200 model aggregate bins with 30" X 54' (750 mm x 16,200 mm) weigh belt conveyor



Independent metering hopper with metering conveyor feeding the block machine



Six W-2000 model aggregate bins with 30" X 72' (750 mm x 21,600 mm) weigh belt conveyor



A Dynapac® block machine with skip supported metering hopper

Flexibility

Modular Design Weigh Belt System, Low Profile Batch System, Modular Design Volumetric System or Stack-Up Gravity Feed System, whatever your preference, Besser will design a batch plant to meet your needs. Besser has built custom-made aggregate bins with capacities up to 1000 tons (900 tonnes) that incorporate ten compartments and silos of 375 tons (328 tonnes) capacity with four compartment configurations with diameters up to 24 feet (7.2 meters).

BESSER

an employee-owned company

Quality, Durability and Flexibility

CONCRETE BATCH PLANTS

Modular Design Weigh Belt System

Model: W-1200 to W-2800

Features:

- Quick and simple erection
- The ability for future expansion: start with four bins and easily expand to seven bins in a row
- Aggregate bin capacities begin at 30 tons (27 tonnes) per compartment and can be expanded up to 140 tons (126 tonnes) per compartment
- Completely smooth interior walls insure complete discharge of all material from the bins
- Utilization of two bolted gates per bin compartment facilitates simple, effective maintenance and cost-effective operation
- An optional moisture separator package and an oil-free ambient dryer system prolong the life and efficiency of solenoid valves



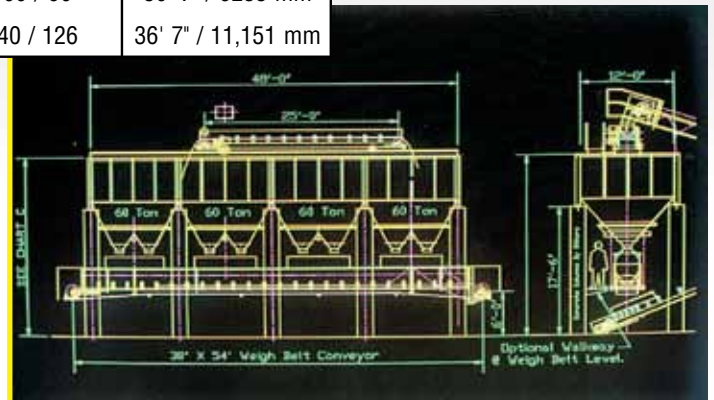
Model W-1200 aggregate bin and weigh belt conveyor



Aggregate bin gate bottom and weigh belt conveyor

Bin Size Ton / Tonnes	Bin Height (Dimension "C")
60 / 54	24' 7" / 7493 mm
100 / 90	30' 7" / 9233 mm
140 / 126	36' 7" / 11,151 mm

Note: Volume calculations are **water-level**. Tonnage based upon 100 pounds/cubic foot (90 tonnes) of material



Auto-Cad drawing of model W-1200 aggregate bins, see chart above for height elevations

Low Profile Batch System

Model: LA - 45 to LA - 289

Features:

- Solid design
- Maintenance free operation
- Modular construction of the aggregate bin allows 90-degree rotation to the batch conveyor when needed
- Aggregate bin is available with three to six compartments utilizing either a turn-head feed system or a radial stacker system, depending on your needs and site requirements
- Easy extension of the aggregate bins for additional storage capacity
- Pre-assembled and wired at the factory for quick and easy erection



Besser batch mixer with aggregate holding hopper, cement batcher and radial metering conveyor

CONCRETE BATCH PLANTS

Modular Design Volumetric System

Bin Size Ton / Tonnes	Bin Height (Dimension "C")
60 / 54	24' 7" / 7493 mm
100 / 90	30' 7" / 9233 mm
140 / 126	36' 7" / 11,151 mm

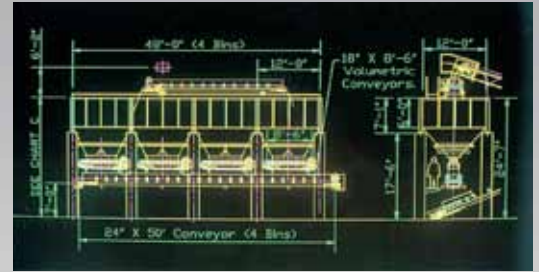


Cement silos

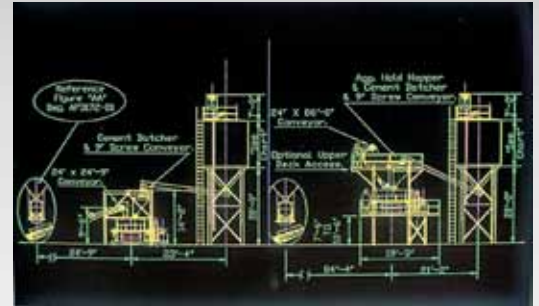
Model: V-1200 to V-2800

Features:

- Modular bin system for ease of erection and future expansion
- Volumetric feeder belts under each aggregate bin compartment feed onto a collecting conveyor that gathers and transfers material to the mixer
- Silos have capacities from 60 - 165 tons (54 - 149 tonnes) per compartment
 - air pads
 - clean-out inspection ports at the silo cone discharge
 - emergency pressure relief valves
 - double wall partitions in two-compartment silos
 - dust collection



Auto-Cad drawing of model V-1200 aggregate bins, see chart above for height elevations



Auto-Cad drawing of mixer elevations and silos, see chart below for height elevations and silo sizes

Model of Silo	1300-1	1575-1	1800-1	2400-1	3000-1	3570-1	3000-2	3570-2
Silo Total Cubic Feet / Cubic Meters	1300 / 39	1575 / 47	1800 / 54	2400 / 72	3000 / 90	3570 / 107	3000 / 90	3570 / 107
Cubic Feet per CMPT	1300 / 39	1575 / 47	1800 / 54	2400 / 72	3000 / 90	3570 / 107	1500 / 45	1785 / 54
Tons Cement @ 94 # (PCF) / Tonnes	61 / 55	74 / 67	85 / 77	112 / 101	141 / 127	167 / 150	70 / 63 x CMPT	84 / 76 x CMPT
Shell Length / mm	12' / 3658	15' / 4572	17' 6" / 5334	24' / 7315	31' / 9449	36' / 10,973	31' / 9449	36' / 10,973

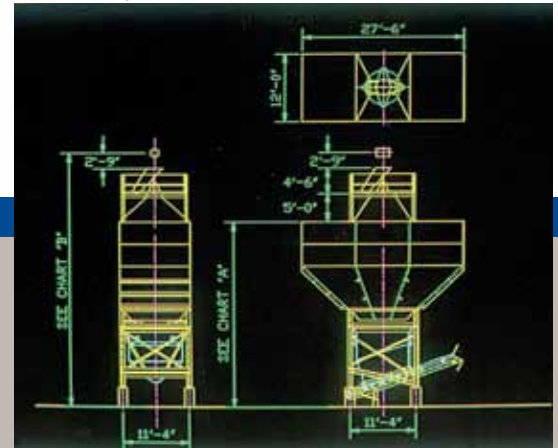
Weigh hopper under "LA" style aggregate



Model	Bin Height (Dimension "A")	C/L of Head Pulley (Dimension "B")
LA145	25' 6" / 7772 mm	37' 9" / 11,506 mm
LA181	27' 6" / 8382 mm	39' 9" / 12,116 mm
LA217	29' 6" / 8992 mm	41' 9" / 12,725 mm
LA235	30' 6" / 9296 mm	42' 9" / 12,725 mm
LA253	31' 6" / 9601 mm	43' 9" / 13,335 mm
LA271	32' 6" / 9906 mm	44' 9" / 13,640 mm
LA289	33' 6" / 10,221 mm	45' 9" / 13,945 mm

Note: Volume calculations are **water-level**. Tonnage based upon 100 pounds/cubic foot (90 tonnes) of material

Auto-Cad drawing of model LA-145 aggregate bins with chart for height elevations



Model	Cubic Feet	Cubic Yards / Cubic Meters	Tons / Tonnes
LA145	2368	88 / 71	118 / 106
LA181	3038	113 / 91	152 / 137
LA217	3694	137 / 111	185 / 167
LA235	4025	149 / 121	201 / 181
LA253	4355	161 / 131	217 / 195
LA271	4682	173 / 140	234 / 211
LA289	5017	186 / 151	251 / 226

CONCRETE BATCH PLANTS

BLOCK LANDSCAPE PAVING PIPE PRECAST PRESTRESSED BLOCK

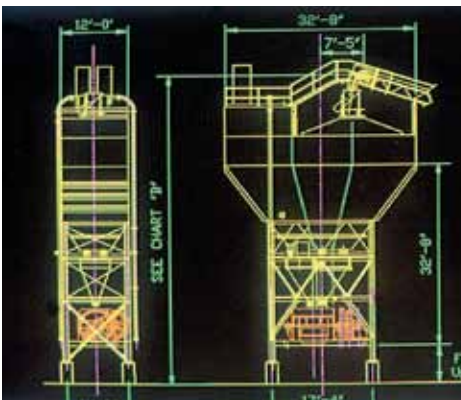
Stack-Up Gravity Feed System

Model: SB Series

Features:

- Versatile modular design for ease of erection
- State-of-the-art aggregate and cement batchers directly over the mixer for direct feeding
- Large overhead storage of materials in the aggregate and the cement bins
- Pre-assembled and wired at the factory for quick and easy erection
- Turn-head feed assembly from three or four aggregate bin compartments and up to two cement silo compartments

Model	Cement Capacities		Aggregate Capacities		
	Cubic Feet / Cubic Meters	Tons @ 94# (PCF) / Tonnes	Cubic Feet	Cubic Yards / Cubic Meters	Tons / Tonnes
SB	2661 / 80	125 / 113	4180	155 / 125	209 / 188
SBL	2800 / 84	132 / 119	4420	164 / 133	221 / 199
SBLL	3514 / 105	165 / 149	5740	213 / 122	287 / 258



Auto-Cad drawing of model SB-31C aggregate bins, see chart above for height elevations

Note: Volume calculations are **water-level**. Tonnage based upon 100 pounds/cubic foot (90 tonnes) of material



655 Krueger Canyon
 New Braunfels, Texas 78132 USA
 Phone: 800.530.9991/989.354.1000
 Fax: 830.626.7516
 www.besser.com
 e-mail: sales@besser.com

For better viewing, all guards, safety devices and signs are not necessarily shown. Some of the equipment shown or described throughout this brochure is available at extra cost. Since the time of printing, some of the information in this brochure may have been updated; ask your Besser sales representative for details.

Besser Company reserves the right to change or improve product design and specifications without prior notice.



Weigh hopper under "SB" style aggregate bin



Bolt together front end loader hopper with plant feed conveyor and cement silos in background



Plant Elevation

Model	Mixer @ Grade / mm	Mixer @ 10' 6" (3200 mm)
SB	48' 7" / 14,808	59' 1" / 18,009
SBL	49' 9" / 15,164	60' 1" / 18,313
SBLL	55' 9" / 16,993	66' 3" / 20,193

Unicast

Model: UC-25-2

Features:

- Wet and dry cast capabilities
- Unitized, two-piece construction for fast erection
- Pre-assembled and wired at the factory for quick and easy erection
- Besser batching controls includes one cement, two aggregates, four admixes, up to 50 mix designs
- 2" Badger Turbo water meter
- 25 ton, 2 compartment aggregate bin, features decumulative weighing, load cell system, 1/4" plate construction
- 18" wide transfer conveyor, rated at 220 tons per hour at 300 feet per minute
- 44 ton cement silo equipped with high bin signal, A36 plate construction, DCS-260 rooftop dust collector, 1.2 cubic yard batcher and 6" screw conveyor
- Quick mixing using either a twin shaft or planetary mixer equipped with a DCS-260 dust collector that includes a collecting pod and 5 hp blower package
- Radial stacker bin feed conveyor optional