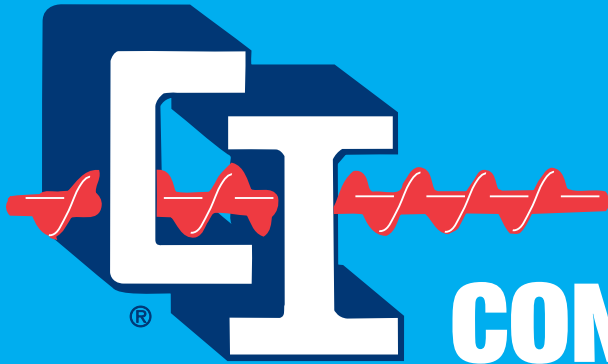
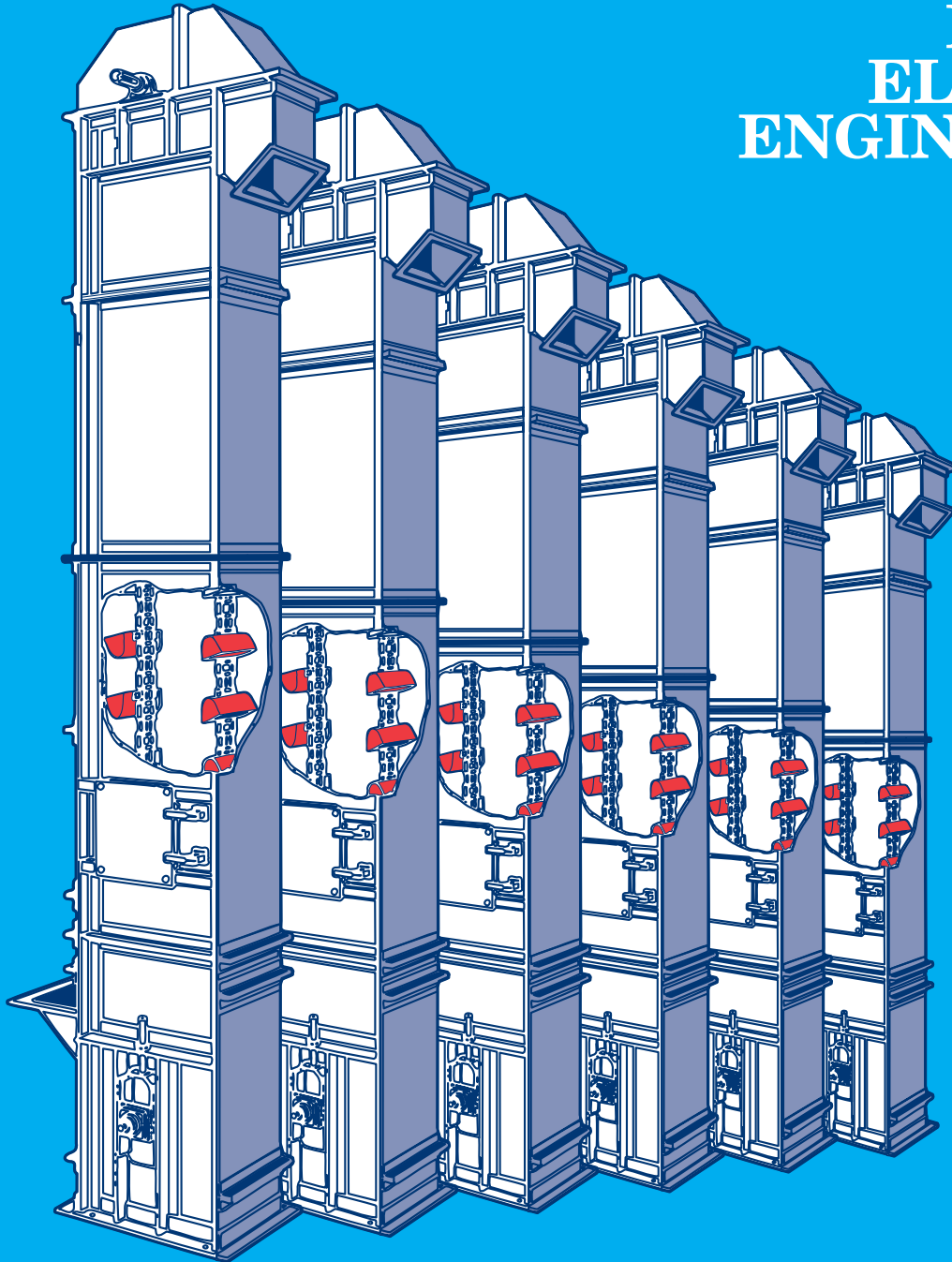


CATALOG NO. 0185-BE
JANUARY 1985



CONVEYORS, INC.

BUCKET ELEVATOR ENGINEERING GUIDE

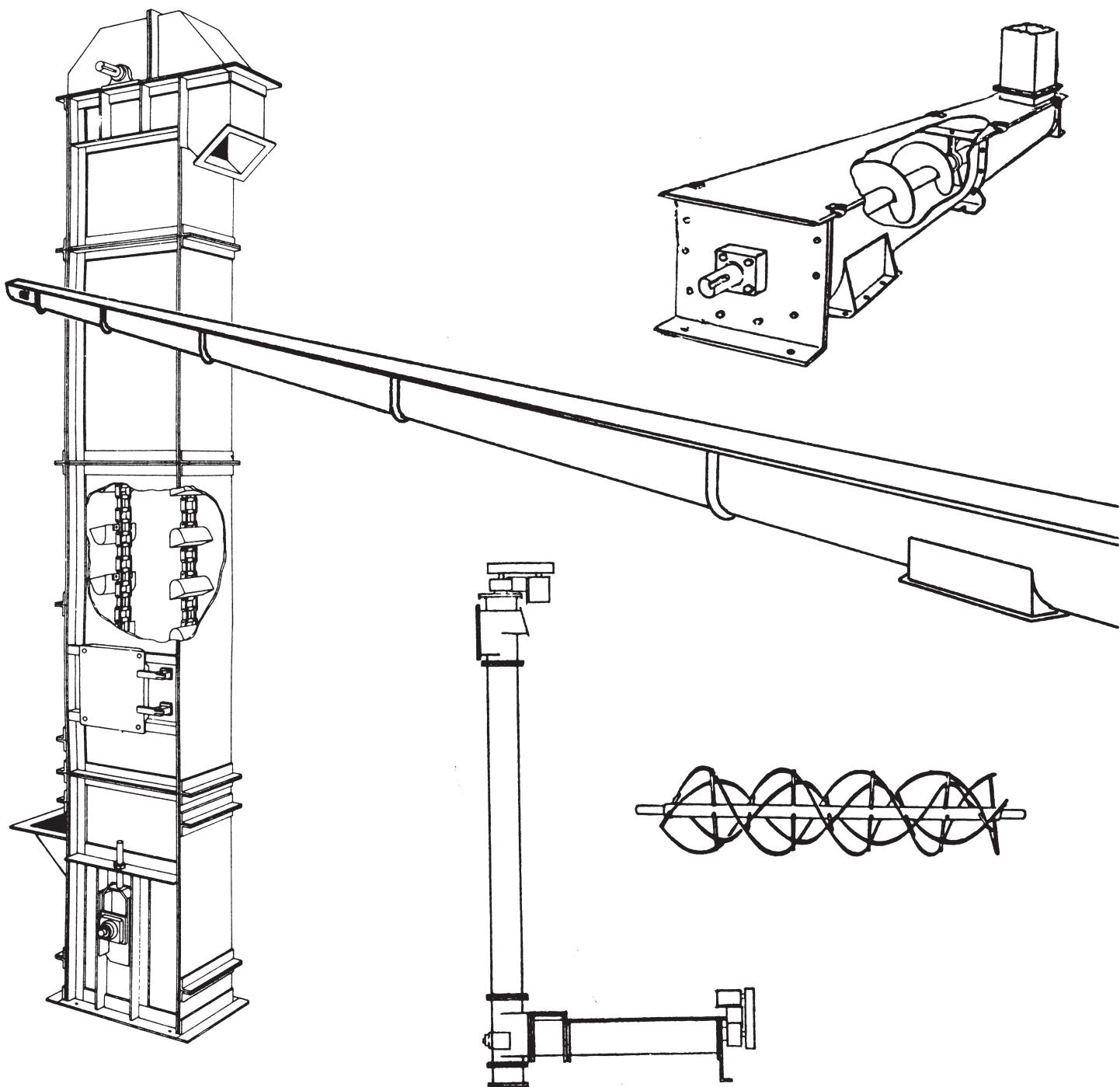


P.O. Box 50817 Fort Worth, Texas 76105 Phone 817-473-4645



Bulk Material Handling Equipment

- SCREW CONVEYOR ASSEMBLIES
- CONTINUOUS ELEVATOR BUCKETS
- SCREW FEEDERS
- HOPPERS, BINS AND CHUTES
- BUCKET ELEVATORS
- CUSTOM FABRICATING
- DRAG CONVEYOR
- ENGINEERING SERVICE
- VERTICAL SCREW CONVEYORS



Centrifugal discharge bucket elevators

Elevators of this design predominate in the bulk handling of free-flowing, fine and loose materials with small to medium size lumps. Buckets, mounted at spaced intervals, are loaded by scooping up material from the boot or by feeding the material into them. Material is discharged by centrifugal action as the buckets pass over the head wheel. These elevators are made in several types and are suitable for many requirements.

Style 1 & 3 • Elevators of this type meet the service requirements of the majority of installations using centrifugal discharge elevators. The head shafts are fixed. The boot shaft takeups are of the screw type. Gravity takeups are available. Buckets are of malleable iron for use on chain or belt. Casings are of steel plate and angle construction.

Style 2 & 4 • These elevators are similar to Style 1 & 3 except that the head shafts are adjustable and the boot shafts are fixed to maintain the relation of buckets to the loading chute and curved bottom plate. They are preferred for handling food products, materials which tend to pack or build up in the bottom of the boot, and for materials having a considerable percentage of lumps.

Style 5 • These elevators are designed and engineered to conform with general practice in the handling of grain. Takeups are of the screw type unless otherwise specified. Buckets are mounted on belt. Casings of steel are welded and dust tight. The boot can be loaded from the front or back or both. Venting of the head and boot sections is desirable to improve the pickup and discharge of materials.

Positive discharge bucket elevators

Elevators of this design operate successfully at low bucket speeds and are suitable for handling light, fluffy and fragile materials and those having a tendency to stick in the buckets. Buckets, mounted at spaced intervals, are loaded by scooping up material from the boot or by feeding the material into them. After passing over head wheels, the buckets are inverted over the discharge spout, thus providing a positive discharge of material.

Style 6 • This design conforms with the best practice for handling and discharging materials which are light, friable or sluggish. The head shafts are fixed. The boot shaft takeups are of the screw type. Gravity takeups are available. Buckets are of malleable iron mounted at intervals on double strands of chain. Casings are of steel plate and angle construction.

Continuous bucket elevators

Elevators of this design are made in a number of types for handling many bulk materials ranging from light to heavy and from fines to large lumps. Buckets are spaced continuously and loaded by direct feeding, except for Style 8 elevator where material is scooped from the boot. Spillage between buckets is prevented by their close spacing. As buckets discharge, the material flows over the preceding bucket, whose front and projecting sides form a chute, to the discharge spout.

Style 7 • This elevator is the most frequently used of the continuous bucket design. The head shafts are fixed. The boot shaft takeups are of the screw type. Gravity takeups are available. Buckets are of steel and spaced continuously on a single strand of chain. Casings are of steel plate and angle construction. Material is fed to the buckets through a loading leg.

Style 8 • Elevators of this type are used for the handling of fine or crushed materials with lumps not exceeding 1/2 inch. These elevators are similar to Style 7, except that head shafts are adjustable and boot shafts are fixed, to maintain the relation of buckets to the loading chute and curved bottom plate. Buckets are loaded by scooping up material from the boot. When modified by the addition of a loading leg and a correspondingly higher inlet spout, this type elevator can also be used for handling lumpy materials.

Style 9 • Identical to Style 8 except with loading leg and stub inlet chute.

Style 10 • This elevator is of the super-capacity type and used for handling friable, heavy or abrasive material ranging from fines to large lumps. The head shafts are fixed and the boot takeups are of the screw type. Gravity takeups are available. Continuous buckets are end mounted between two strands of Class SS bushed roller chain. Material is fed to the buckets through a loading leg. Casings are of steel plate and angle construction.

Style 11 • These elevators are similar in design to Style 10, except for greater capacities and centers. Head terminal machinery and driving equipment are carried on independent supports. The boot takeups are of the screw type. Gravity takeups are available.

Style 12 • This elevator is designed primarily for cement mill service, but is suited for many other similar abrasive service applications. Their design and rugged construction makes them ideally suited for handling cement, clinker, crushed stone, bauxite, feldspar, gravel, gypsum, roofing granules, sand, shale, etc. They are available in a full range of sizes extending to the very high capacities and lifts.

ELEVATOR SELECTION

Consider the following factors when selecting a bucket elevator.

- Kind and character of material being handled: abrasive, free-flowing, sluggish, hot, fluffy, friable, subject to degradation, etc.
- Weight of material in pounds per cubic foot
- Maximum rate in tons, bushels or cubic feet per hour at which material is handled
- Maximum size of lumps in inches, average size of material and percentage of lumps in total volume
- Shaft centers in feet
- Operating conditions: indoors, outdoors, corrosive, contamination, etc.
- Service required: continuous or intermittent

With this information known, proceed as follows:

Style of elevator. Refer to **Table 2** and find the style and styles of elevators for the material being handled. If this particular material is not listed, select one with similar characteristics.

Material classification. Refer to **Table 1 and 2** for material characteristics which affect their handling in bucket elevators.

Elevator number. Refer to the elevator specifications for the style selected and determine the elevator size to handle the required lump size and capacity.

Elevator chain. If an elevator using chain is selected and more than one chain is listed, the selection depends on the service requirements or on user's preference. Generally, the SS bushed chains are recommended for elevators with centers over 60 feet, for continuous operating conditions, or for handling abrasive materials.

Elevator belt. A wide variety of high quality, high strength elevator belting is available. Selection of the proper belt is determined by various factors, such as operating conditions, material being handled, operating temperature, etc.

To assure proper selection of the belt that will best meet your individual needs and requirements, consult Conveyors, Inc.

Horsepower and speed of head shaft. The horsepower at the head shaft equals the terminal horsepower plus the horsepower per foot of centers times the center distance. Knowing the weight of the material, refer to the specifications for the elevator selected and calculate the horsepower. The speed of the head shaft is indicated in the same table.

Head shaft size. Knowing the weight of the material

being handled and the elevator centers, refer to the specifications for the elevator selected and determine the diameter of the head shaft. For centers greater than listed, consult Conveyors, Inc.

Drive. Make the drive selection. The elevator may be driven by either a Motor Gear speed reducer with roller chain or a shaft-mounted speed reducer with V-belts. Backstops should be used on all elevators, regardless of the type of drive that is selected.

Service platforms. Platforms for servicing drives and head terminals are recommended. Refer to Platform pages for further information.

Example of bucket elevator selection

Problem:

- Material bituminous coal
- Weight 50 pounds per cubic foot
- Capacity 60 tons per hour or
2400 cubic feet per hour
- Maximum lump size under 1/2 inch
- Shaft centers 45 feet vertical
- Operating conditions exposed to weather
- Service 8 to 10 hours per day

Solution:

Refer to **Table 2**. Note that Styles 1, 2, 7, 10, 11 and 12 elevators are recommended for this material.

Refer to **Table 3**. Note that either Style 1 or 2 will handle the lump size and capacity and will accommodate the shaft centers. Assuming that the boot shaft need not be fixed, tentatively select Style 1.

Elevator specifications, at top of page 8, indicate that either elevator No. BE121 or BE122 will handle 1-1/2" lumps at the rate of 2540 cubic feet per hour. The table at the bottom of page 9 shows that elevator No. BE121 is equipped with C111 normal duty chain, while No. BE122 has SS110 long life chain. Select No. BE121 since this coal is nonabrasive and the operation is 10 hours or less per day. This table also shows the casing size to be 19 3/4" x 48" inside.

From specifications at top of page 9 the horsepower at the head shaft for material weighing 50 pounds per cubic foot

$$= \text{terminal HP} + (0.086 \times \text{center distance in feet})$$

$$= 1.69 = (0.086 \times 45) = 5.56 \text{ HP}$$

On the same line of the horsepower table, the speed of the head shaft is 41 RPM.

The head shaft diameter for an elevator with 45-foot centers and handling 50 pounds per cubic foot material, from the bottom of page 8, is 2-15/16".

ELEVATOR SELECTION

TABLE 1

	MATERIAL CHARACTERISTICS	
SIZE	Very fine -- 100 mesh and under	A
	Fine -- 1/8" and under	B
	Granular -- 1/2" and under	C
	Lumpy -- containing lumps over 1/2"	D
	Irregular -- Interlocking, fibrous, stringy, mats	E
FLOWABILITY	Very free flowing -- Angle of repose less than 20°	1
	Free flowing -- Angle of repose 20° to 30°	2
	Average flowing -- Angle of repose 30° to 45°	3
	Sluggish -- Angle of repose 45° and over	4
ABRASIVENESS	Non abrasive	5
	Abrasive	6
	Very abrasive	7
OTHER CHARACTERISTICS	Very dusty	L
	Aerates and develops fluid characteristics	M
	Contains explosive dust	N
	Contaminable affecting use or saleability	P
	Degradable affecting use or saleability	Q
	Gives off harmful fumes or dust	R
	Highly corrosive	S
	Mildly corrosive	T
	Hygroscopic	U
	Interlocks or mats	V
	Oils or chemicals present	W
	Packs under pressure	X
	Very light and fluffy -- may be wind swept	Y
Elevated temperature	Z	

ELEVATOR SELECTION

TABLE 2 – TYPICAL BULK MATERIALS HANDLED BY BUCKET ELEVATOR

Material	Average weight per cubic foot pounds ▲	Elevator Style ▲	Class*	Material	Average weight per cubic foot pounds ▲	Elevator Style ▲	Class*
Alfalfa meal	17	6,7,8	B46Y	Coal, anthracite sized	55-60	1,2,7,8,12	C26
Almonds, broken	28-30	2,7,8	C36Q	Coal, anthracite, river coal and culm 1/8 inch and under	55-60	1,2,7,8,12	B35TY
Almonds, whole	28-30	7	C36Q	Coal, bituminous, mined, 50 mesh and under	50-54	7,8	B45T
Alum, fine	45-50	2,7	B35	Coal, bituminous, mined, slack, 1/2 inch and under	43-50	1,2,7,10,11,12	C45T
Alum, lumpy	50-60	2,7	D35	Coal, bituminous, mined, sized, over 1/2 inch	45-55	7,10,11,12	D35T
Alumina	50-65	7■	B27M	Coal, bituminous, mined, run of mine	45-55	1,2,7,10,11,12	D35T
Aluminum chips	7-15	7	E46Y	Coal, bituminous, stripping, not cleaned, over 1/2 inch	50-60	1,2,7,10,11,12	D36T
Aluminum hydrate	18	7	C35	Cocoa Beans	30-40	1,2,7	C25Q
Aluminum ore	75-85	1,2,7,10,11	D37	Coffee, green bean	32	1,2,7,8	C25Q
Aluminum oxide	70-120	7	A17M	Coffee, roasted bean	22-26	1,2,7,8	C15
Aluminum silicate	49	7	B35S	Coke, loose	23-35	4■	D47QVT
Aluminum sulphate	54	7	C25	Coke, petroleum, calcined	35-45	4■	D36Y
Ammonium Chloride, Crystalline	45-52	7,8,9	B25S	Coke Breeze, 1/4 inch and under	25-35	3■,4■	C37Y
Ammonium Nitrate	45	7,8	C36WUS	Copra	22	1,2,7	D25
Ammonium Sulphate (Granular)	45-58	7,8	C26S	Copra Cake, lumpy	25-30	1,2,7	D25W
Ashes, coal, dry, 3 inch and under	35-40	2	D46T	Copra Cake, Ground	40-45	1,2,7,8,9	B35W
Asphalt, crushed, 1/2 inch and under	45	1,2,7,8	C35	Copra meal	40-45	1,2,7,8	B35W
Bakelite (powdered) and similar plastics	35-45	6,7,8	B25	Cork, fine ground	12-15	6,7,8	B45MY
Baking powder	40-55	5,7,8	A25	Cork, granulated	12-15	6,7,8	C45
Barite	180	7,8,10,11	D36	Corn, cracked	45-50	1,2	C25W
Barley	38	3■,4■,5■	B15N	Corn, seed	45	6	C15NQ
Bauxite, crushed, 3 inch and under	75-85	1,2,7,10,11	D37	Corn, shelled	45	5■	C25NW
Beans, castor, whole	36	1,2,7,8	C15W	Corn germs	21	1,2	B25W
Beans, navy, dry	48	1,2,7,8	C15	Corn grits	40-45	1,2	B25W
Bentonite, crude	35-40	1,2,12	D46X	Corn sugar	31	1,2	B35
Bentonite, 100 mesh and under	50-60	1,2,12	A26XY	Cornmeal	38-40	1,2	B35W
Bones, crushed, 1/2 inch and under	34-40	1,2,7,8	C26W	Cottonseed, dry, de-linted	35	3■,4■	C25W
Bones, granulated or ground 1/8 inch and under	50	1,2,7,8	B26W	Cottonseed, dry, with lint	18-25	3■,4■	C35W
Bohemial	55-60	1,2	B36	Cottonseed, cake, lumpy	40-45	1,2	D25W
Borax, Fine	45-55	1,2	B26T	Cottonseed hulls	12	7,8,9	B45Y■
Borax, 1/2" screenings	55-60	1,2	C36	Cottonseed meal	35-40	1,2	B35W
Bran	16-20	1,2	B35NY	Cottonseed meats	40	1,2	B35W
Brewer's grain, spent, wet	55-60	1,2	C45T	Cullot	80-120	4■	D37Z
Brewer's grain, spent, dry	25-30	1,2	C45	Cracklings, crushed, 3" and under	40-50	1,2	D45
Buckwheat	40-42	5■	B25N	Dolomite, lumpy	90-100	2,7,10,11,12	D26
Calcium oxide	60-65	1,2,7,8,10,11,12	B45X	Ebonite, crushed, 1/2" and under	65-70	2,6,7,8	C25
Carbon black, pelletized	20-25	7,8	B15Q	Feldspar, ground 1/2 inch and under	70-85	1,2,7	B36
Carbon black, powder, channel	4-7	6	A35Y■	Feldspar, powdered, 200 mesh	100	6,7,8	A46
Carbon black powder, furnace	4-7	6	A35Y■	Flaxseed	45	5■	B25NW
Carborundum, 3 inch and under	100	7	D27	Flaxseed cake, expeller	48-50	2	D35
Cast iron borings	130-200	2,7	C46	Flaxseed meal	25	1,2	B25W
Cement Portland	94	1,2,7,8	A26M	Flour, wheat	35-40	3■,4■	A45PN
Cement Portland, Aerated	60-75	1,2,7,8,12	A16M	Flue dust, boiler house, dry	35-40	7■,8■	A17MTY
Cement, clinker	75-95	2,7,10,11,12	D37	Flourspar, 1/2" screenings	85-105	1,2,7	C46
Chalk, lumpy	75-85	1,2,7,8,9	D26	Fuller's Earth, Dry	30-35	3■,4■	B26
Chalk, pulverized, 100 mesh and under	65-75	7,8	A46MX Y	Fuller's Earth, Oily	60-65	3■,4■	B26
Charcoal	18-25	6,7	D36Q	Fuller's Earth, Burnt, Oil Filter	40	3■,4■	B26
Cinders, coal	40	2,7	D37T■	Fuller's Earth, Raw, Oil Filter	35-40	3■,4■	B26■
Cinders, blast furnace	57	2,7	D37T■				
Clover seed	48	1,2	B25N				

▲ Chain recommended for all elevators, except those marked ■, where belts are recommended. When belt is used, boot section should be furnished with wing pulley to prevent packing of material between belt and pulley.

* These classes represent observations under general conditions. Specific conditions may vary due to manufacturing processes and handling.

▲ Weight of material loose or slightly agitated. This weight is generally less than that of settled or packed material, as in bits or containers.

□ Select an elevator having twice the capacity required.

● Class may vary considerably due to conditions.

ELEVATOR SELECTION

TABLE 2 (Continued)

Material	Average weight per cubic foot pounds Δ	Elevator Style ▲	Class*	Material	Average weight per cubic foot pounds Δ	Elevator Style ▲	Class*
Glass Batch	80-100	4#	D27Z	Rice, rough	36	5#	B25M
Glue, ground, 1/8" and under	40	2	B26	Rice bran	20	1,2	B35NY
Glue, pearl	40	2	C25	Rice grits	42-45	1,2	B35
Grains, distillery, spent dry	30	1,2	E25WY	Roofing, granules	85-95	12	B27
Granite, 1/2" screenings	80-90	10,11,12	C27	Rubber, ground	35-50	2,6,7,8	C25
Grass seed	10-12	7,8	B25NY	Rye	42-46	5#	B15N
Gravel, screened	90-100	1,2,7,10,11,12	D36	Salt, dry, fine	70-80	2,7,8,12	D26TUW
Gypsum, Dust, Non-aerated	93	1,2,7,10,11,12	A46	Salt, dry, coarse	40-55	2,7,8,12	C26TU
Gypsum, Dust, Aerated	60-70	1,2,7,10,11,12	A36Y	Salt cake, dry, coarse	85	2,7,8,12	B36TW
Gypsum, 1/2" Screening	70-80	1,2,7,8,12	C36	Salt cake, dry, pulverized	60-85	2,7,8,12	B26NT
Gypsum, 1 1/2" to 3" lumps	70-80	10,11,12	D26	Sand, damp bank	110-130	3#4#	B47
Hops, spent, dry	35	1,2	E35	Sand, dry bank	90-110	3#4#	B37
Hops, spent, wet	50-55	1,2	E35T	Sand, dry silica ©	90-100	3#4#	B27
Ice, crushed	35-45	2,7	D16	Sand, foundry, prepared	70-90	3#4#	B47
Ilmenite ore	140-160	1,2,7,10,11,12	B27	Sand, foundry, shakeout	90-100	3#4#	D37
Lignite, air dried	45-55	1,2,7	D25*	Shale, crushed	85-90	3#4#	C36
Lime, ground, 1/8" and under	60-65	1,2,7,8,10,11,12	B45X	Slag, blast furnace, crushed	80-90	7,10,11	A27
Lime, hydrated, 1/8" and under	40	7,10,11	B35MX	Slag, furnace, granulated, dry	60-65	7,10,11	C27
Lime, pebble	53-56	1,2,7,10,11,12	D35	Slag, furnace, granulated, wet	90-100	7,10,11	B47
Lime, hydrated, pulverized	32-40	1,2,7,10,11,12	A35MXY	Slate, crushed, 1/2" and under	80-90	4#7,10,11	C26
Limestone, agricultural, 1/8" and under	68	1,2,7,10,11,12	B26	Slate, dust	70-80	3#4#	A36Y
Limestone, crushed	85-90	7,10,11,12	C26X	Soap beads or granules	15-25	6	B25Q
Limestone, dust	80-85	1,2,7,8,10,11,12	A4CMY	Soap flakes	5-15	6	B35QXY
Linseed	45	5#	B25W	Soda ash, light	20-35	7,8	A36Y
Linseed meal	25	1,2	B25W	Soda ash, heavy	55-65	1,2,7,8,9	B36
Maize, milo	56	5#	C15N	Soybeans, cracked	30-40	1,2	C26NW
Malt, dry ground, 1/8" and under	22	1,2	B25NR	Soybeans, whole	45-50	5#	C26NW
Malt, dry, whole	27-30	1,2	C25N	Soybean cake, over 1/2"	40-43	2	D35W
Malt, wet or green	60-65	1,2	C45	Soybean flakes, raw	20-26	1,2	C25Y
Malt meal	36-40	1,2	B25	Soybean meal, cold	40	1,2	B35
Marble, crushed, 1/2" and under	80-95	7,10,11	D27	Soybean meal, hot	40	1,2	B35T
Meat Scrap	50-55	1,2	E36W	Steel chips, crushed	100-150	7	D27WZ
Muriate of potash	77	1,2,7	B27	Stone, crushed	90-100	1,2,7,8,9,10,11,12	D36
Mustard seed	45	1,2	B15N	Sugar, powdered	50-60	2,9	B3PTY
Oats	26	5#	C25M	Sugar, granulated	50-55	2,9	B35PT
Oats, rolled	19	1,2	C25NY	Sugar beet, pulp, dry	12-15	6,7,8	•
Oxalic acid crystals	60	3#4#	B35SU	Sugar beet, wet pulp	55-65	7,8	B36TX
Petroleum Coke	35-45	4#	D36Y	Sugar, raw, cane	55-65	1,2	B36TX
Peas, dried	45-50	6	C15NG	Tanbark, ground	55	1,2	•
Peanuts, shelled	35-45	6	C25Q	Timothy seed	36	7,8	B25NY
Phosphate rock, broken, dry	75-85	2,7,10,11,12	D26	Tung nuts, meats crushed	25	6	D25
Phosphate rock, pulverized	60	3#7	B36	Walnut, shell crushed	35-45	6	B37
Phosphate, triple super	50-55	7,8,9,10,11,12	B45T	Wheat	45-58	5#	C25N
Phosphate, acid fertilizer	60	7,8,9,10,11,12	B25T	Wheat, cracked	40-45	1,2	B25N
Pumice, ground, 1/8" and under	40-45	7	B47	Wheat Germ	28	1,2	B25W
Rice, hulled or polished	45-58	5#	B15	Wood chips	10-30	3#4#	E45WY
				Wood shavings	8-15	3#4#	E45V
				Zinc Dust	200	7,8,10,11,12	E45V
				Zinc Concentrates	75-80	7,8,9,10,11,12	B26
				Zinc Ore Crushed	160	7,8,9,10,11,12	•
				Zinc Ore, Roasted	110	7,8,9,10,11,12	C36
				Zinc Oxide, Heavy	30-35	7,8,9,10,11,12	A35X
				Zinc Oxide, Light	10-15	7,8	A35XY

▲ Chain recommended for all elevators, except those marked #, where belts are recommended. When belt is used, boot section should be furnished with wing pulley to prevent packing of material between belt and pulley.

* Those classes represent observations under general conditions. Specific conditions may vary due to manufacturing processes and handling.

© If sand is hot, use special heat-resistant belts and insulating pads between buckets and belts.

▲ Weight of material loose or slightly agitated. This weight is generally less than that of settled or packed material, as in bins or containers.

• Class may vary considerably due to conditions.

ELEVATOR SELECTION

TABLE 3 -- TENTATIVE ELEVATOR SELECTION

Elevator Style	Maximum lump size in inches		Capacity in cubic feet per hour	Maximum centers in feet				
	100	10		Material weight in pounds per cubic foot				
				35	50	75	100	125
1 & 2	1 1/4	4	2,000	80	80	80	80	...
	1 1/2	4 1/2	3,120	80	80	80	70	...
3 & 4	1 1/4	4	2,060	80	80	80	80	...
	1 1/2	4 1/2	3,040	80	80	80	70	...
5□	1/2	1/2	4,140	...	150	...	...	...
	1/2	1/2	6,730	...	150	...	...	...
	1/2	1/2	15,643	...	150	...	...	...
5Δ	1/2	1/2	17,160	...	150	...	...	...
	1/2	1/2	23,410	...	150	...	...	...
	1/2	1/2	31,286	...	150	...	...	...
6	1 3/4	5	1,380	80	80	80	80	...
7 & 9	1	3	1,420	70	70	70	70	...
	1 1/4	4	1,830	80	80	80	80	...
	1 1/2	4 1/2	2,340	80	80	80	70	...
8	1/2	1/2	1,230	70	70	70	70	...
	1/2	1/2	1,830	80	80	80	80	...
	1/2	1/2	2,340	80	80	80	70	...
10	2	6	2,400	...	85	70	55	45
	2	6	2,800	...	75	60	50	40
	2	6	3,200	...	75	55	45	35
	2	6	3,600	...	65	50	40	30
	2	6	4,000	...	60	45	35	30
	3	8	5,600	...	75	65	55	45
	3	8	6,800	...	60	55	45	40
	3	8	8,400	...	55	50	40	30
	3	8	10,000	...	50	45	35	30
3	8	12,400	...	40	35	25	20	
11	3	8	5,600	...	125	125	125	110
	3	8	6,800	...	125	125	110	95
	3	8	8,400	...	125	110	95	80
	3	8	10,000	...	125	100	85	75
	3	8	12,400	...	100	80	70	60
12	1 1/2	2	2,000	...	80	80	80	70
	1 1/2	2	2,800	...	80	75	80	65
	1 1/2	2	4,200	...	80	80	60	80
	1 1/2	2 1/2	4,600	...	80	80	80	80
	1 1/2	2 1/2	6,900	...	70	60	50	45
	1 1/2	2 1/2	6,350	...	80	80	75	75
	1 1/2	2 1/2	9,500	...	75	65	45	50
	1 1/2	3	8,500	...	80	80	70	60
	1 1/2	3	12,750	...	70	55	45	35

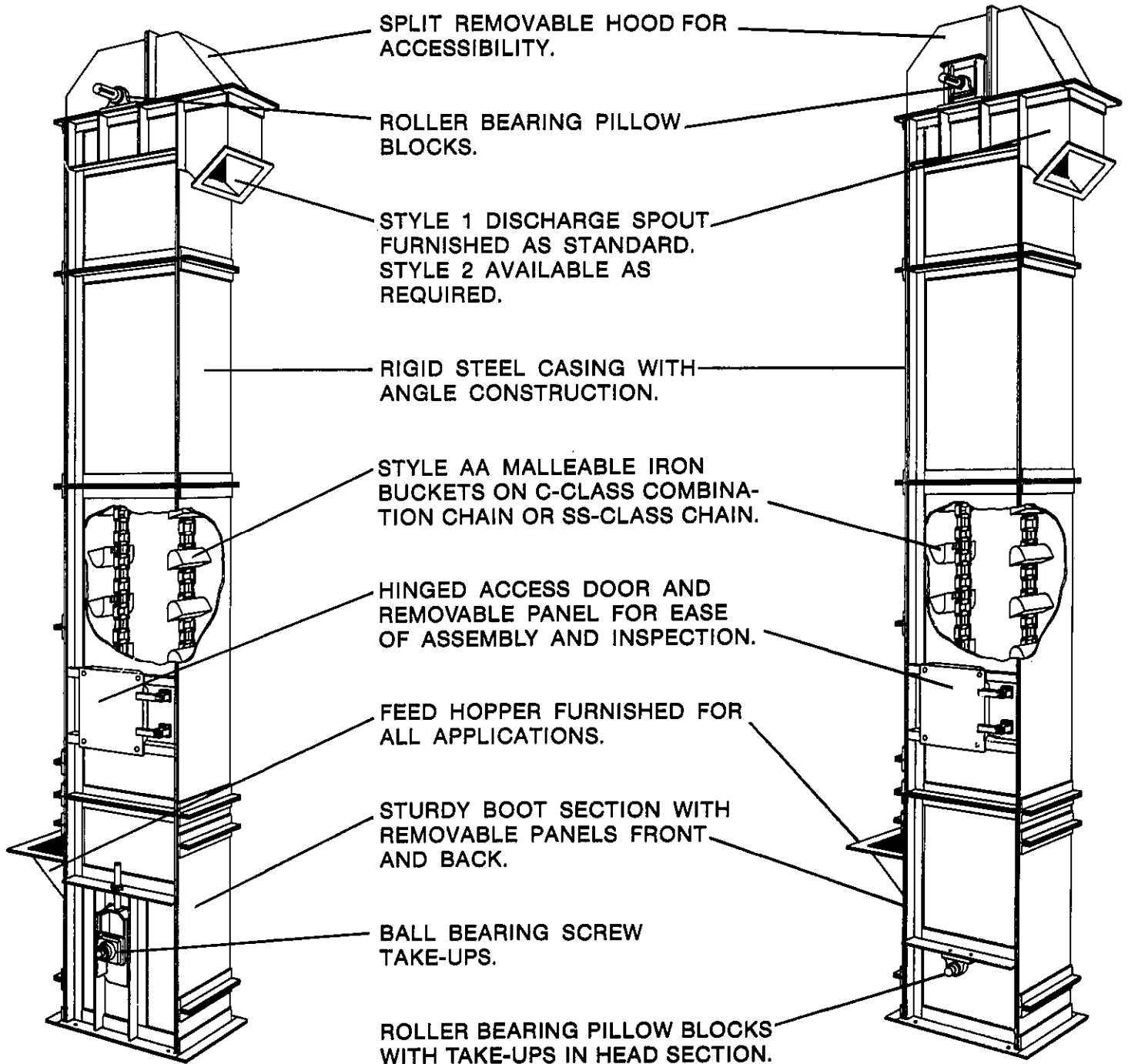
□ Elevator with single row of buckets.

Δ Elevator with double row of buckets.

* For centers above those listed, consult Conveyors, Inc.

CENTRIFUGAL DISCHARGE

Style 1 and 2 bucket elevators



**STYLE 1
ELEVATOR**

**STYLE 2
ELEVATOR**

CENTRIFUGAL DISCHARGE

Style 1 and 2 bucket elevators

ELEVATOR SPECIFICATIONS

Elevator number		Bucket		Chain speed, FPM [®]	Maximum lump size, inches		Cubic feet per hour	Capacity ^Δ			
Style 1	Style 2	Size, inches	Spacing, inches		Percentage of lumps			Tons per hour			
					100	10		Material weight, pounds per cubic foot			
						35 [⊙]	50	75	100		
BE101	BE201	6 x 4	13	225	1/2	2 1/2	280	4.9	7.0	10.5	14.0
BE102	BE202	8 x 5	16	230	3/4	3	540	9.5	13.5	20.2	27.0
BE103	BE203	8 x 5	16	230	3/4	3	540	9.5	13.5	20.2	27.0
BE104	BE204	8 x 5	16	260	3/4	3	612	10.7	15.3	22.9	30.6
BE105	BE205	8 x 5	16	260	3/4	3	612	10.7	15.3	22.9	30.6
BE106	BE206	10 x 6	16	230	1	3 1/2	936	16.3	23.4	35.1	46.8
BE107	BE207	10 x 6	16	230	1	3 1/2	936	16.3	23.4	35.1	46.8
BE108	BE208	10 x 6	18	268	1	3 1/2	960	16.9	24.0	36.0	48.0
BE109	BE209	10 x 6	18	268	1	3 1/2	960	16.9	24.0	36.0	48.0
BE110	BE210	10 x 6	16	260	1	3 1/2	1048	18.3	26.2	39.3	52.4
BE111	BE211	12 x 7	18	268	1 1/4	4	1536	26.9	38.4	57.6	76.8
BE112	BE212	12 x 7	16	260	1 1/4	4	1668	29.2	41.7	62.5	83.4
BE113	BE213	12 x 7	18	306	1 1/4	4	1744	30.5	43.6	65.4	87.2
BE114	BE214	12 x 7	16	304	1 1/4	4	1948	34.1	48.7	73.0	97.4
BE115	BE215	14 x 7	19	260	1 1/4	4	1700	29.8	42.5	63.8	85.0
BE116	BE216	14 x 7	18	268	1 1/4	4	1848	32.3	46.2	69.3	92.4
BE117	BE217	14 x 7	16	260	1 1/4	4	2016	35.3	50.4	75.6	100.8
BE118	BE218	14 x 7	19	304	1 1/4	4	1988	34.8	49.7	74.5	99.4
BE119	BE219	14 x 7	18	306	1 1/4	4	2112	36.9	52.8	79.2	105.6
BE120	BE220	14 x 7	16	304	1 1/4	4	2360	41.3	59.0	88.5	118.0
BE121	BE221	16 x 8	19	262	1 1/2	4 1/2	2540	44.4	63.5	95.2	127.0
BE122	BE222	16 x 8	18	248	1 1/2	4 1/2	2540	44.4	63.5	95.2	127.0
BE123	BE223	16 x 8	19	304	1 1/2	4 1/2	2940	51.4	73.5	111.0	147.0
BE124	BE224	16 x 8	18	306	1 1/2	4 1/2	3120	54.6	78.0	117.0	156.0

Elevator number		Maximum elevator centers in feet for various size head shafts																			
		Material weight, pounds per cubic foot																			
		35			50			75			100										
		Head shaft diameter, inches																			
Style 1	Style 2	1 1/16	2 1/16	2 3/16	3 1/16	3 3/16	1 1/8	2 1/8	2 3/8	3 1/8	3 3/8	1 3/16	2 1/16	2 3/16	3 1/16	3 3/16	1 3/8	2 1/8	2 3/8	3 1/8	3 3/8
BE101	BE201	60	..	..	..	..	60	..	..	..	..	60	..	..	..	..	60	..	..	..	..
BE102	BE202	60	..	..	..	..	55	60	..	..	..	50	60	..	..	..	45	60	..	..	..
BE103	BE203	65	80	..	..	..	60	80	..	..	..	55	80	..	..	..	50	80	..	..	..
BE104	BE204	60	..	..	..	..	55	60	..	..	..	45	60	..	..	..	40	60	..	..	..
BE105	BE205	65	80	..	..	..	60	80	..	..	..	50	80	..	..	..	45	80	..	..	..
BE106	BE206	40	60	..	..	..	35	60	..	..	..	30	55	60	..	..	25	45	60	..	..
BE107	BE207	30	55	80	..	..	30	50	80	..	..	25	45	80	..	..	20	40	80	..	..
BE108	BE208	40	60	..	..	..	35	60	..	..	..	30	55	60	..	..	25	45	60	..	..
BE109	BE209	30	55	80	..	..	25	50	80	..	..	25	45	80	..	..	20	40	80	..	..
BE110	BE210	35	60	..	..	..	35	60	..	..	..	25	50	60	..	..	20	40	60	..	..
BE111	BE211	20	40	80	..	..	..	35	80	..	..	..	30	65	80	..	..	25	60	80	..
BE112	BE212	25	45	60	..	..	20	40	60	..	..	..	30	60	..	..	25	60	..	..	..
BE113	BE213	..	35	80	..	..	..	30	75	80	..	..	25	65	80	..	..	20	55	80	..
BE114	BE214	..	40	60	..	..	..	30	60	..	..	..	25	60	..	..	20	55	60	..	..
BE115	BE215	..	30	60	..	..	..	25	60	..	..	..	20	55	60	..	..	..	45	60	..
BE116	BE216	..	30	70	80	..	..	25	60	80	..	..	20	50	80	..	..	..	45	70	80
BE117	BE217	..	35	60	..	..	..	30	60	..	..	..	20	55	60	..	..	..	45	60	..
BE118	BE218	..	30	60	..	..	..	25	60	..	..	..	20	50	60	..	..	..	40	60	..
BE119	BE219	..	30	70	80	..	..	25	60	80	..	..	20	50	80	..	..	..	40	70	80
BE120	BE220	..	35	60	..	..	..	25	60	..	..	..	20	50	60	..	..	..	40	60	..
BE121	BE221	..	..	50	60	..	..	..	45	60	..	..	..	35	60	..	..	..	30	50	60
BE122	BE222	..	..	40	70	80	..	..	35	60	80	..	..	30	50	80	..	..	25	40	75
BE123	BE223	..	..	45	60	..	..	..	40	60	..	..	..	30	55	60	..	..	25	45	60
BE124	BE224	..	..	40	60	80	..	..	35	55	80	..	..	..	45	80	..	..	..	40	70

^Δ Based on buckets filled to 75% of theoretical capacity. Capacity directly proportional to volume and weight of material carried in buckets and chain speed. Free-flowing materials cannot be carried as high in the buckets as heavier or less fluffy materials.

[®] Style AA malleable iron buckets. Style C malleable iron buckets commended for wet or sticky material. Capacity and horsepower using Style C buckets directly proportional to volume and weight of material carried in buckets.

[⊙] Light weight, fluffy or pulverized materials require 15 to 20% lower chain speeds than those shown, for proper discharge.

CENTRIFUGAL DISCHARGE

Style 1 and 2 bucket elevators

ELEVATOR SPECIFICATIONS

Elevator number		Horsepower at head shaft [⊗]								Head shaft			Boot shaft		
		Material weight, pounds per cubic foot								Pitch diameter of sprocket wheel, inches	No. Teeth	Speed, RPM	Pitch diameter of sprocket wheel, inches	No. Teeth	Diameter inches
		35		50		75		100							
Style 1	Style 2	Terminals	Per foot centers	Terminals	Per foot centers	Terminals	Per foot centers	Terminals	Per foot centers						
BE101	BE201	.12	.007	.16	.010	.24	.014	.32	.019	20	24	43	15	18	1 7/16
BE102	BE202	.20	.013	.27	.019	.41	.028	.56	.037	20 1/2	16	43	13	10	1 7/16
BE103	BE203	.20	.013	.27	.019	.41	.028	.56	.037	20 1/2	16	43	13	10	1 7/16
BE104	BE204	.30	.015	.43	.021	.64	.031	.86	.041	24 1/4	19	41	18	14	1 15/16
BE105	BE205	.30	.015	.43	.021	.64	.031	.86	.041	24 1/4	19	41	18	14	1 15/16
BE106	BE206	.40	.022	.57	.032	.85	.047	1.13	.063	20 1/2	16	43	15 1/2	12	1 15/16
BE107	BE207	.40	.022	.57	.032	.85	.047	1.13	.063	20 1/2	16	43	15 1/2	12	1 15/16
BE108	BE208	.55	.023	.79	.033	1.18	.049	1.58	.065	25	13	41	21 1/4	11	1 15/16
BE109	BE209	.55	.023	.79	.033	1.18	.049	1.58	.065	25	13	41	21 1/4	11	1 15/16
BE110	BE210	.59	.025	.91	.036	1.36	.053	1.81	.071	24 1/4	19	41	20 1/2	16	1 15/16
BE111	BE211	.72	.036	1.02	.052	1.53	.078	2.05	.103	25	13	41	17 1/2	9	1 15/16
BE112	BE212	.82	.040	1.18	.057	1.77	.085	2.36	.113	24 1/4	19	41	18	14	1 15/16
BE113	BE213	1.11	.041	1.81	.059	2.72	.089	3.62	.118	30 3/4	16	38	23 1/4	12	2 3/16
BE114	BE214	1.29	.046	1.85	.066	2.78	.099	3.70	.132	30 1/2	24	38	24 1/4	19	2 3/16
BE115	BE215	.86	.040	1.24	.057	1.86	.086	2.48	.115	24 1/4	16	41	18 1/4	12	2 3/16
BE116	BE216	.88	.044	1.25	.063	2.00	.094	2.50	.125	25	13	41	17 1/2	9	2 3/16
BE117	BE217	1.02	.048	1.46	.068	2.19	.103	2.92	.136	24 1/4	19	41	18	14	2 3/16
BE118	BE218	1.31	.047	1.80	.067	2.70	.101	3.60	.134	30 1/2	20	38	24 1/4	16	2 3/16
BE119	BE219	1.35	.050	1.92	.072	2.88	.107	3.84	.143	30 3/4	16	38	23 1/4	12	2 3/16
BE120	BE220	1.57	.056	2.26	.080	3.39	.120	4.53	.160	30 1/2	24	38	24 1/4	19	2 3/16
BE121	BE221	1.19	.060	1.69	.086	2.54	.129	3.38	.171	24 1/4	16	41	17	11	2 3/16
BE122	BE222	1.10	.060	1.57	.086	2.35	.128	3.14	.171	23	12	41	15 3/4	8	2 3/16
BE123	BE223	1.72	.070	2.45	.100	3.69	.149	4.92	.199	30 1/2	20	38	21 1/4	14	2 3/16
BE124	BE224	1.81	.074	2.62	.106	3.93	.158	5.24	.211	30 3/4	16	38	21 1/4	11	2 3/16

Elevator number		Chain number †	Casing size inside, inches	Gauge of steel casing				Approximate weight, pounds □	
				Hood	Head and Intermediate sections	Boot section	Discharge spout	Terminals	Casing, buckets and chain, per ft centers
Style 1	Style 2								
BE101	BE201	C188	9 3/4 x 35	14	12	10	10	686	58
BE102	BE202	C102B	11 3/4 x 39	14	12	10	10	812	73
BE103	BE203	SS102B	11 3/4 x 39	14	12	10	10	801	74
BE104	BE204	C102B	11 3/4 x 42	14	12	10	10	906	82
BE105	BE205	SS102B	11 3/4 x 42	14	12	10	10	887	83
BE106	BE206	C102B	13 3/4 x 42	14	12	10	10	891	88
BE107	BE207	SS102B	13 3/4 x 42	14	12	10	10	964	91
BE108	BE208	C110	13 3/4 x 48	14	12	10	10	1035	91
BE109	BE209	SS110	13 3/4 x 48	14	12	10	10	1140	92
BE110	BE210	C102B	13 3/4 x 48	14	12	10	10	1020	92
BE111	BE211	SS110	15 3/4 x 48	14	12	10	10	1139	98
BE112	BE212	C102B	15 3/4 x 48	14	12	10	10	1062	100
BE113	BE213	SS110	15 3/4 x 54	14	12	10	10	1451	104
BE114	BE214	C102B	15 3/4 x 54	14	12	10	10	1352	105
BE115	BE215	C111	17 3/4 x 48	14	12	10	10	1352	107
BE116	BE216	SS110	17 3/4 x 48	14	12	10	10	1329	102
BE117	BE217	C102B	17 3/4 x 48	14	12	10	10	1220	104
BE118	BE218	C111	17 3/4 x 54	14	12	10	10	1569	112
BE119	BE219	SS110	17 3/4 x 54	14	12	10	10	1525	107
BE120	BE220	C102B	17 3/4 x 54	14	12	10	10	1387	109
BE121	BE221	C111	19 3/4 x 48	14	12	10	10	1420	138
BE122	BE222	SS110	19 3/4 x 48	14	12	10	10	1454	120
BE123	BE223	C111	19 3/4 x 54	14	12	10	10	1626	123
BE124	BE224	SS110	19 3/4 x 54	14	12	10	10	1734	120

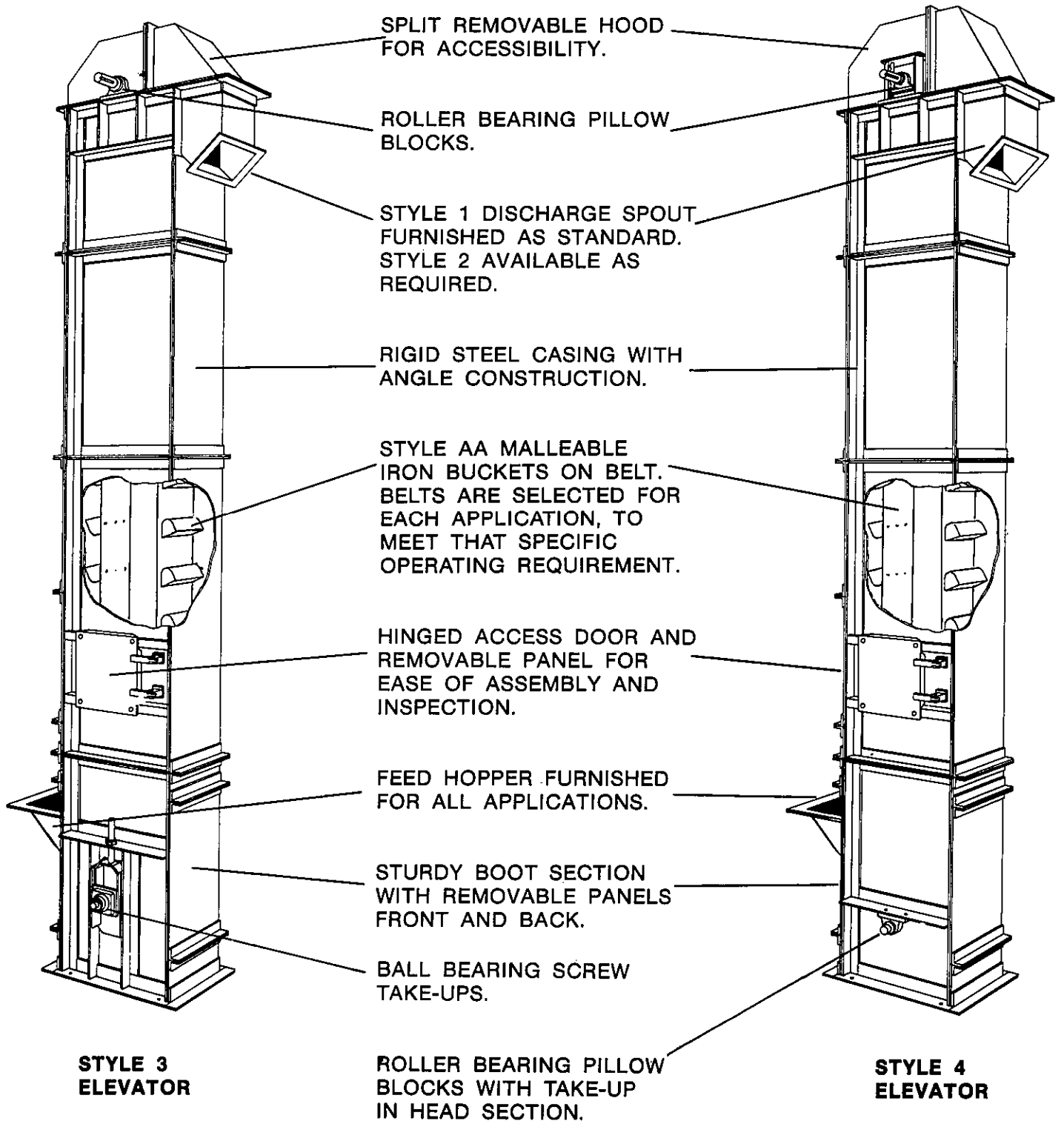
† Class 800 chains can be furnished instead of Class SS.

⊗ Based on buckets filled to 100% of theoretical capacity. Horsepower directly proportional to volume and weight of material carried in buckets and chain speed.

□ Terminal weight based on average size head shaft. Weight adjustment necessary if gauge of casing is other than listed above. Terminal weight includes Style 1 or 2 discharge spout but not feed hopper.

CENTRIFUGAL DISCHARGE

Style 3 and 4 bucket elevators



CENTRIFUGAL DISCHARGE

Style 3 and 4 bucket elevators

Elevator number		Bucket *		Belt speed, FPM	Maximum lump size, inches		Cubic feet per hour	Capacity			
Style 3	Style 4	Size, inches	Spacing, inches		Percentage of lumps			Tons per hour			
					100	10		Material weight, pounds per cubic foot			
						35	50	75	100		
BE301	BE401	6 x 4	13	225	1/2	2 1/2	280	4.9	7.0	10.5	14.0
BE302	BE402	8 x 5	16	225	3/4	3	534	9.3	13.4	20.1	26.7
BE303	BE403	8 x 5	16	258	3/4	3	608	10.7	15.2	22.8	30.4
BE304	BE404	10 x 6	16	225	1	3 1/2	910	15.9	22.8	34.2	45.5
BE305	BE405	10 x 6	16	258	1	3 1/2	1046	18.3	26.2	39.2	52.3
BE306	BE406	12 x 7	18	258	1 1/4	4	1464	25.6	36.6	54.9	73.2
BE307	BE407	12 x 7	18	298	1 1/4	4	1696	29.7	42.4	63.6	84.8
BE308	BE408	14 x 7	18	258	1 1/4	4	1776	31.1	44.4	66.6	88.8
BE309	BE409	14 x 7	18	298	1 1/4	4	2060	36.1	51.5	77.2	103.0
BE310	BE410	16 x 8	18	298	1 1/2	4 1/2	3040	53.1	76.0	114.0	152.0

Elevator number		Maximum elevator centers in feet for various size head shafts																				
		Material weight, pounds per cubic foot																				
		35					50					75					100					
Style 3	Style 4	Head shaft diameter, inches																				
		1 1/8	2 1/8	2 3/8	3 1/8	3 3/8	1 1/8	2 1/8	2 3/8	3 1/8	3 3/8	1 1/8	2 1/8	2 3/8	3 1/8	3 3/8	1 1/8	2 1/8	2 3/8	3 1/8	3 3/8	
BE301	BE401	80	..	..	..	..	80	..	..	..	..	80	..	..	..	..	80	..	..	..	..
BE302	BE402	80	..	..	..	..	80	..	..	..	..	70	80	..	..	..	60	65	..	..	..
BE303	BE403	80	..	..	..	..	75	80	..	..	..	65	80	..	..	..	55	80	..	..	..
BE304	BE404	55	80	..	..	..	40	75	80	..	..	30	60	80	..	..	25	50	..	..	..
BE305	BE405	50	80	..	..	..	35	70	80	..	..	30	55	80	..	..	20	45	70	..	..
BE306	BE406	30	50	80	..	..	20	45	80	..	..	..	35	80	..	..	..	25	65	70	..
BE307	BE407	..	45	80	..	..	..	40	80	..	..	..	30	75	80	..	..	20	60	80	..
BE308	BE408	..	35	80	..	..	..	30	75	80	..	..	..	25	60	80	..	..	50	65	..
BE309	BE409	..	30	80	..	..	..	25	70	80	..	..	..	20	55	80	..	..	45	75	80
BE310	BE410	50	80	45	75	80	35	60	80	25	50	80

Elevator number		Horsepower at head shaft *								Head shaft		Boot shaft					
		Material weight, pounds per cubic foot															
		35				50				75		100		Pulley diameter inches	Speed RPM	Pulley diameter inches	Diameter, inches
Style 3	Style 4	Terminals	Per foot centers	Terminals	Per foot centers	Terminals	Per foot centers	Terminals	Per foot centers	Terminals	Per foot centers						
BE301	BE401	.12	.007	.18	.010	.27	.014	.36	.019	20	43	16	1 7/16				
BE302	BE402	.19	.013	.29	.018	.44	.027	.59	.036	20	43	14	1 7/16				
BE303	BE403	.32	.015	.45	.021	.68	.031	.91	.041	24	41	18	1 15/16				
BE304	BE404	.42	.022	.60	.031	.90	.046	1.20	.062	20	43	16	1 15/16				
BE305	BE405	.60	.025	.85	.035	1.27	.053	1.69	.071	24	41	20	1 15/16				
BE306	BE406	.66	.035	1.10	.050	1.63	.075	2.18	.099	24	41	20	1 15/16				
BE307	BE407	1.11	.040	1.58	.058	2.37	.086	3.16	.115	30	38	24	2 3/16				
BE308	BE408	.93	.042	1.31	.060	1.96	.090	2.61	.120	24	41	20	2 3/16				
BE309	BE409	1.34	.049	1.92	.065	2.88	.109	3.84	.139	30	38	24	2 3/16				
BE310	BE410	1.73	.072	2.48	.103	3.72	.154	4.98	.206	30	38	22	2 3/16				

Elevator number		Belt	Casing size inside, inches	Gauge of steel casing				Approximate weight, pounds □	
Style 3	Style 4	Width, inches		Hood	Head and intermediate sections	Boot section	Discharge spout	Terminals	Casing and buckets, per foot centers
BE301	BE401	7	11 3/4 x 35	14	12	10	10	868	52
BE302	BE402	9	13 3/4 x 39	14	12	10	10	855	65
BE303	BE403	9	13 3/4 x 42	14	12	10	10	1077	70
BE304	BE404	11	15 3/4 x 42	14	12	10	10	1090	75
BE305	BE405	11	15 3/4 x 48	14	12	10	10	1264	80
BE306	BE406	13	17 3/4 x 48	14	12	10	10	1390	86
BE307	BE407	13	17 3/4 x 54	14	12	10	10	1659	91
BE308	BE408	15	19 3/4 x 48	14	12	10	10	1503	90
BE309	BE409	15	19 3/4 x 54	14	12	10	10	1778	95
BE310	BE410	18	22 3/4 x 54	14	12	10	10	1991	106

* Style AA malleable iron buckets. Style C malleable iron buckets recommended for wet or sticky material. Capacity and horsepower, using Style C buckets, directly proportional to volume and weight of material carried in buckets.

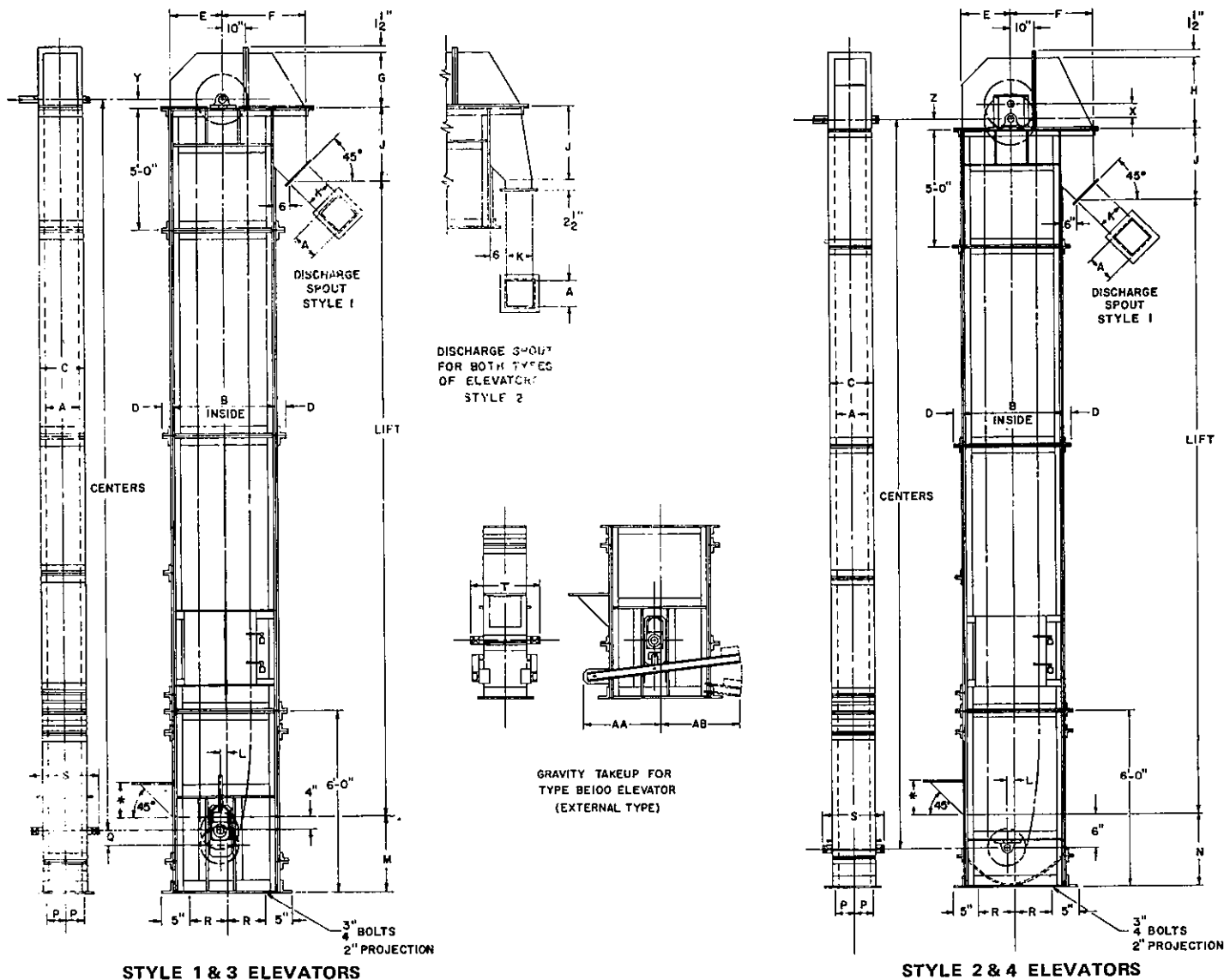
Δ Based on buckets filled to 75% of theoretical capacity. Capacity directly proportional to volume and weight of material carried in buckets and belt speed. Free-flowing materials cannot be carried as high in the buckets as heavier or less fluffy materials.

⊙ Light weight, fluffy or pulverized materials require 15 to 20% lower belt speeds than those shown, for proper discharge.

□ Terminal weight based on average size of head shaft. Weight adjustment necessary if gauge of casing is other than listed above. Terminal weight includes Style 1 or 2 discharge spout but not belt or feed hopper.

CENTRIFUGAL DISCHARGE

Style 1, 2, 3 and 4 bucket elevators



Casing size inside, inches	A	B	C	D	E	F	G	H	J	K
	INCHES									
9 3/4 x 35	9 3/4	35	13 1/8	1 1/2	17 1/2	30 1/2	19 1/2	27 1/2	27 1/4	10
11 3/4 x 35	11 3/4	35	15 1/8	1 1/2	17 1/2	30 1/2	19 1/2	27 1/2	27 1/4	10
11 3/4 x 39	11 3/4	39	15 1/8	1 1/2	19 1/2	32 1/2	21 1/2	30	29	10
11 3/4 x 42	11 3/4	42	16 1/8	2	21	36 1/4	24	34	30 1/4	13
13 3/4 x 39	13 3/4	39	17 1/8	1 1/2	19 1/2	32 1/2	21 1/2	30	29	10
13 3/4 x 42	13 3/4	42	18 1/8	2	21	36 1/4	24	34	30 1/4	13
13 3/4 x 48	13 3/4	48	18 1/8	2	24	40 5/8	27 1/2	40	33 1/4	15
15 3/4 x 42	15 3/4	42	20 1/8	2	21	36 1/4	24	34	30 1/4	13
15 3/4 x 48	15 3/4	48	20 1/8	2	24	40 5/8	27 1/2	40	33 1/4	15
15 3/4 x 54	15 3/4	54	20 1/8	2	27	45	31	44	35 3/4	17
17 3/4 x 48	17 3/4	48	22 1/8	2	24	40 5/8	27 1/2	40	33 1/4	15
17 3/4 x 54	17 3/4	54	22 1/8	2	27	45	31	44	35 3/4	17
19 3/4 x 48	19 3/4	48	24 1/8	2	24	40 5/8	27 1/2	40	33 1/4	15
19 3/4 x 54	19 3/4	54	24 1/8	2	27	45	31	44	35 3/4	17
22 3/4 x 54	22 3/4	54	27 1/8	2	27	45	31	44	35 3/4	17

See Pages 33, 34 and 35 for bolt patterns of intake spout, discharge spout, and intermediate casing.

* Height of Inlet Hopper equals $K + 2 1/4''$

CENTRIFUGAL DISCHARGE

Style 1, 2, 3 and 4 bucket elevators

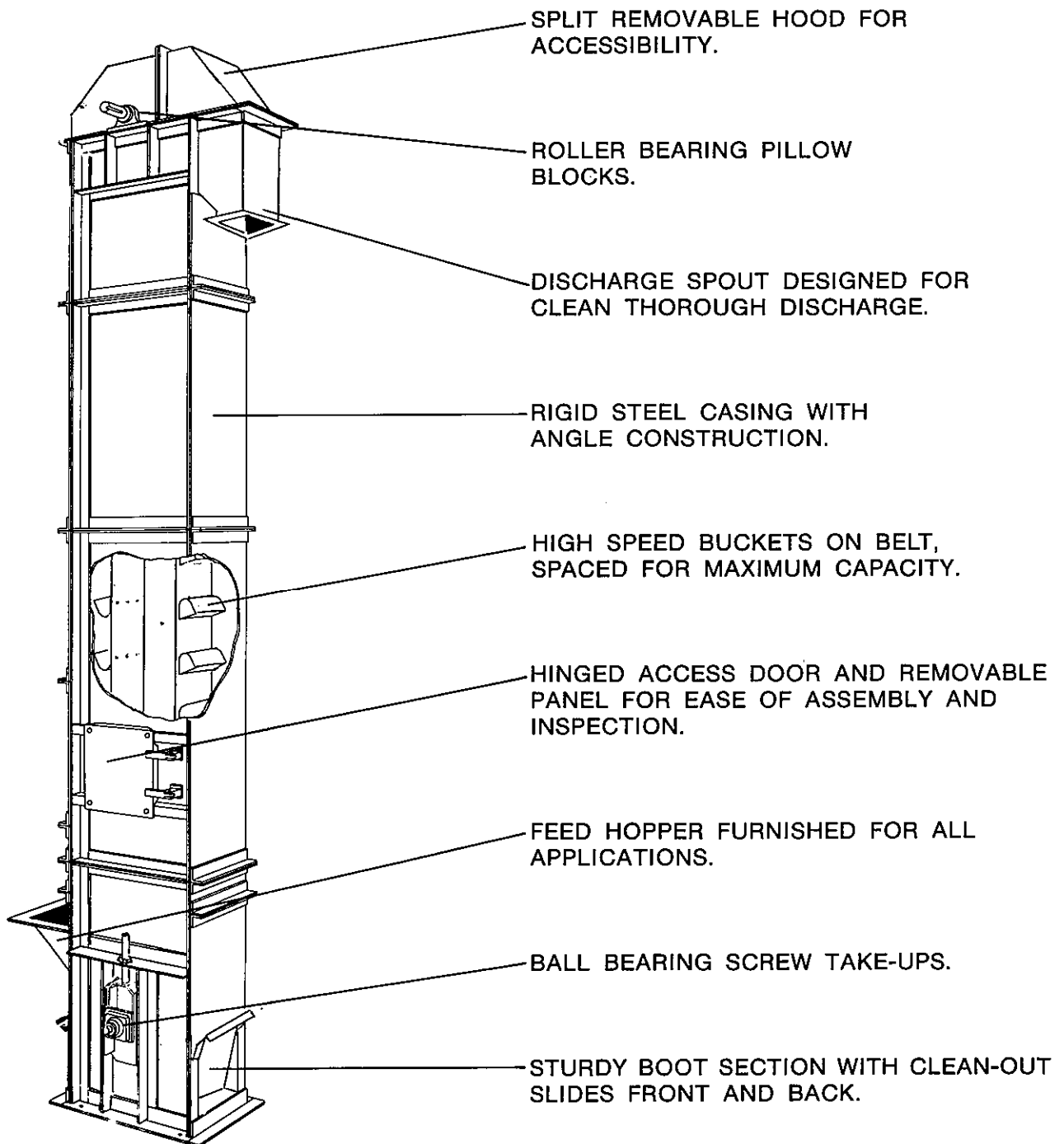
Casing size inside, inches	L	M	N	P	Q	R	S		AA	AB
							Style 1, 3	Style 2, 4		
	INCHES									
9 3/4 x 35	2 1/2	24 1/2	21 1/2	6 3/4	6	14 1/2	23 1/4	18 3/4	26	28
11 3/4 x 35	2 1/2	24 1/2	21 1/2	7 3/4	6	14 1/2	25 1/4	20 3/4	26	28
11 3/4 x 39	3	24 1/2	22	7 3/4	6	16 1/2	25 1/4	20 3/4	28	29
11 3/4 x 42	3	28 1/2	24	7 3/4	8	18	27 1/2	22 3/4	29 1/2	31
13 3/4 x 39	3	24 1/2	22	8 3/4	6	16 1/2	27 1/4	22 3/4	28	29
13 3/4 x 42	3	28 1/2	24	8 3/4	8	18	29 1/2	24 3/4	29 1/2	31
13 3/4 x 48	3	31	27	8 3/4	8	21	29 1/2	24 3/4	32 1/2	33
15 3/4 x 42	3	28 1/2	24	9 3/4	8	18	31 1/2	26 3/4	29 1/2	31
15 3/4 x 48	3	31	27	9 3/4	8	21	31 1/2	26 3/4	32 1/2	33
15 3/4 x 54	4	35 1/2	29	9 3/4	10	24	34 1/4	27 3/4	35 1/2	36
17 3/4 x 48	3	33	27	10 3/4	10	21	36 1/4	29 3/4	32 1/2	33
17 3/4 x 54	4	35 1/2	29	10 3/4	10	24	36 1/4	29 3/4	35 1/2	36
19 3/4 x 48	3	33	27	11 3/4	10	21	38 1/4	31 3/4	32 1/2	33
19 3/4 x 54	4	35 1/2	29	11 3/4	10	24	38 1/4	31 3/4	35 1/2	36
22 3/4 x 54	4	35 1/2	29	13 1/4	10	24	41 1/4	33 3/4	35 1/2	36

Casing size inside	Diameter of head shaft, inches														
	1 15/16			2 7/16			2 15/16			3 7/16			3 15/16		
	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z
All Sizes	5	2 1/4	4	6	2 3/4	5 1/4	7	3 1/8	5 5/8	8	3 3/4	6 1/4	10	4 1/4	7

Dimensions for X, Y, and Z are based on Dodge type 'E' roller bearing pillow blocks.

CENTRIFUGAL DISCHARGE

Style 5 bucket elevator



**STYLE 5
ELEVATOR**

CENTRIFUGAL DISCHARGE

Style 5 bucket elevator

ELEVATOR SPECIFICATIONS

Elevator number	Bucket		Belt speed, FPM	Capacity Δ		Maximum elevator centers in feet for various size head shafts \square										
	Size, inches	Spacing, inches		Cubic feet per hour	Bushels per hour	Head shaft diameter, inches										
						1 $\frac{1}{8}$	1 $\frac{3}{8}$	2 $\frac{1}{8}$	2 $\frac{3}{8}$	2 $\frac{5}{8}$	3 $\frac{1}{8}$	3 $\frac{3}{8}$	4 $\frac{1}{8}$	4 $\frac{3}{8}$	5 $\frac{1}{8}$	5 $\frac{3}{8}$

Single row of buckets

BE501	3 x 3	4 1/2	370	446	360	50	..	..	..	..	..	..	..	..	..	..	..
BE502	4 x 3	4 1/2	370	560	450	50	..	..	..	..	..	..	..	..	..	..	..
BE503	5 x 3	4 1/2	370	710	560	50	..	..	..	..	..	..	..	..	..	..	..
BE504	5 x 4	6	392	1300	1047	30	100	..	..	..	..	..	..	..	..	..	..
BE505	6 x 4	6	392	1522	1227	..	90	105	..	..	..	..	..	..	..	..	..
BE506	7 x 4	6	392	1765	1400	..	70	95	120	..	..	..	..	..	..	..	..
BE507	6 x 5	7	440	2230	1800	..	65	95	120	..	..	..	..	..	..	..	..
BE508	7 x 5	7	440	2650	2138	..	55	85	110	..	..	..	..	..	..	..	..
BE509	8 x 5	7	440	3119	2434	..	45	75	100	160	..	..	..	..	..	..	..
BE510	9 x 5	7	440	3390	2728	..	35	65	85	145	..	..	..	..	..	..	..
BE511	10 x 5	7	440	3780	3045	..	25	55	70	130	..	..	..	..	..	..	..
BE512	11 x 5	7	440	4140	3356	..	..	..	55	120	..	..	..	..	..	..	..
BE513	8 x 6	8	510	4529	3660	..	..	..	65	130	..	..	..	..	..	..	..
BE514	9 x 6	8	510	5080	4076	..	..	..	50	110	..	..	..	..	..	..	..
BE515	10 x 6	8	510	5642	4550	..	..	..	40	90	150	..	..	..	..	..	..
BE516	11 x 6	8	510	6220	5020	..	..	..	30	75	135	..	..	..	..	..	..
BE517	12 x 6	8	510	6736	5430	..	..	..	..	60	120	..	..	..	..	..	..
BE518	10 x 7	9	534	6930	5570	..	..	..	..	50	100	150	..	..	..	..	..
BE519	11 x 7	9	534	7596	6150	..	..	..	..	40	90	130	..	..	..	..	..
BE520	12 x 7	9	534	8285	6680	..	..	..	..	..	80	120	..	..	..	..	..
BE521	14 x 7	9	534	9658	7813	..	..	..	..	..	80	140	..	..	..	..	..
BE522	15 x 7	9	534	10530	8360	..	..	..	..	..	70	130	..	..	..	..	..
BE523	16 x 7	9	608	12529	10104	..	..	..	..	..	60	100	150	..	..	..	..
BE524	18 x 7	9	608	14104	11370	..	..	..	..	..	60	90	140	..	..	..	..
BE525	20 x 7	9	608	15643	12615	..	..	..	..	..	50	80	120	140	..	..	..

Double row of buckets

BE526-2	11 x 7	9	608	17166	13732	..	..	..	..	..	50	80	120	..	..	..	..
BE527-2	12 x 7	9	608	18724	14979	..	..	..	..	..	..	70	110	150	..	..	..
BE528-2	14 x 7	9	608	21827	17461	..	..	..	..	..	..	50	90	130	..	..	..
BE529-2	15 x 7	9	608	23413	18730	..	..	..	..	..	..	40	80	120	..	..	..
BE530-2	16 x 7	9	608	25055	20208	..	..	..	..	..	..	..	60	100	140	..	..
BE531-2	18 x 7	9	608	28206	22748	..	..	..	..	..	..	..	..	80	120	..	..
BE532-2	20 x 7	9	608	31286	25230	..	..	..	..	..	..	..	..	80	110	150	..

Δ Based on buckets filled to 90% theoretical capacity. Capacity directly proportional to volume and weight of material carried in buckets and belt speed.

\square Based on buckets filled to 90% of theoretical capacity when handling grain weighing 60 pounds per bushel.

CENTRIFUGAL DISCHARGE

Style 5 bucket elevator

ELEVATOR SPECIFICATIONS

Elevator number	Horsepower at head shaft [©]		Head shaft		Boot shaft		Belt width, inches	Casing size inside inches	Thickness of steel			Approximate weight, pounds □	
	Terminals	Per foot centers	Pulley diam. inches	RPM	Pulley diam. in.	Diam. in.			Hood	Head and inter.	Boot	Terminals	Casing & cups per ft. ctrs.

Single row of buckets

BE501	.18	.012	18	80	14	1 7/16	4	6 x 29	14	14	14	408	32
BE502	.23	.015	18	80	14	1 7/16	5	7 x 29	14	14	14	432	34
BE503	.46	.018	18	80	14	1 7/16	6	8 x 29	14	14	14	440	36
BE504	.49	.031	20	75	16	1 7/16	6	9 3/4 x 35	14	14	14	727	41
BE505	.63	.039	20	75	16	1 7/16	7	9 3/4 x 35	14	14	14	733	43
BE506	.69	.046	20	75	16	1 7/16	8	11 3/4 x 35	14	14	14	739	45
BE507	.94	.057	24	70	18	1 15/16	7	9 3/4 x 39	14	14	12	840	46
BE508	1.10	.069	24	70	18	1 15/16	8	11 3/4 x 39	14	14	12	850	48
BE509	1.26	.080	24	70	18	1 15/16	9	11 3/4 x 39	14	14	12	860	50
BE510	1.44	.092	24	70	18	1 15/16	10	13 3/4 x 39	14	14	12	880	54
BE511	1.63	.103	24	70	18	1 15/16	11	13 3/4 x 39	14	14	12	890	56
BE512	1.79	.115	24	70	18	1 15/16	12	15 3/4 x 39	14	14	12	900	62
BE513	1.95	.130	30	65	24	1 15/16	9	11 3/4 x 48	12	14	12	1310	66
BE514	2.04	.136	30	65	24	1 15/16	10	13 3/4 x 48	12	14	12	1340	68
BE515	2.08	.139	30	65	24	1 15/16	11	13 3/4 x 48	12	14	12	1354	70
BE516	2.50	.167	30	65	24	1 15/16	12	15 3/4 x 48	12	14	12	1370	75
BE517	2.71	.181	30	65	24	1 15/16	13	15 3/4 x 48	12	14	12	1377	77
BE518	2.80	.187	34	62	24	2 7/16	11	13 3/4 x 54	12	14	10	1530	76
BE519	3.06	.204	34	62	24	2 7/16	12	15 3/4 x 54	12	14	10	1555	79
BE520	3.33	.222	34	62	24	2 7/16	13	15 3/4 x 54	12	14	10	1580	81
BE521	3.87	.258	34	62	24	2 7/16	16	17 3/4 x 54	12	14	10	1655	83
BE522	4.18	.279	34	62	24	2 7/16	17	19 3/4 x 54	12	14	10	1680	87
BE523	5.07	.338	40	57	30	2 7/16	18	21 3/4 x 60	12	14	3/16	2385	96
BE524	5.70	.380	40	57	30	2 7/16	20	23 3/4 x 60	12	14	3/16	2430	102
BE525	6.30	.420	40	57	30	2 7/16	22	25 3/4 x 60	12	14	3/16	2475	107

Double row of buckets

BE526-2	6.91	.461	40	57	30	2 7/16	24	28 x 60	12	14	3/16	2580	113
BE527-2	7.46	.502	40	57	30	2 7/16	26	30 x 60	12	14	3/16	2630	125
BE528-2	8.78	.585	40	57	30	2 7/16	30	34 x 60	12	14	3/16	2730	134
BE529-2	9.39	.626	40	57	30	2 7/16	32	36 x 60	12	14	3/16	2850	140
BE530-2	10.17	.678	40	57	30	2 7/16	34	38 x 60	12	14	3/16	3185	146
BE531-2	11.40	.760	40	57	30	2 7/16	38	42 x 60	12	14	3/16	3485	155
BE532-2	12.60	.840	40	57	30	2 7/16	42	44 x 60	12	14	3/16	3785	161

© Based on buckets filled to 90% of theoretical capacity when handling grain weighing 60 pounds per bushel. HP directly proportional to volume and weight of material carried in buckets and belt speed.

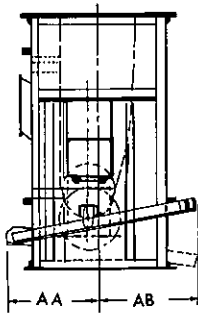
□ Terminal weights based on average size head shaft. Weight adjustment necessary if casing thickness is other than listed above. Ter-

minal weight does not include feed hoppers, discharge spout or belt.

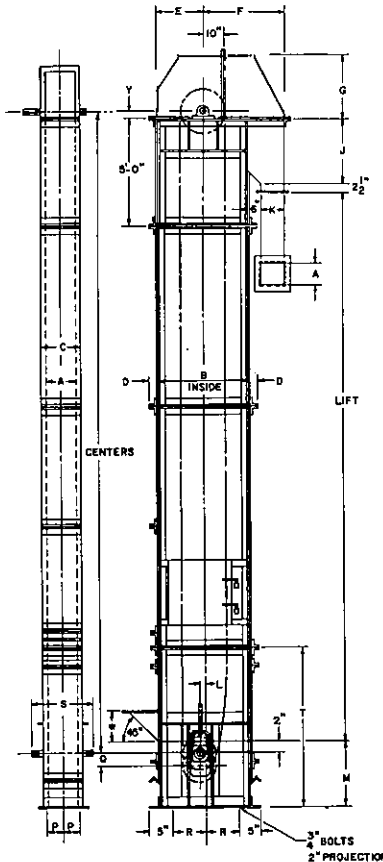
* Elevators over 100'-0" centers should have belt guides @ 75'-0" spacing.

CENTRIFUGAL DISCHARGE

Style 5 bucket elevator



External Gravity Take-up



Dia. Head Shaft	Dim. Y
1 7/16	1 7/8
1 15/16	2 1/4
2 3/16	2 1/2
2 7/16	2 3/4
2 15/16	3 1/8
3 7/16	3 3/4
3 15/16	4 1/4
4 7/16	4 3/4
4 15/16	5 1/2
5 7/16	6 11/16
5 15/16	6 11/16

Based on Dodge Type 'E' roller bearing pillow blocks

Single row of buckets

Casing Size	A	B	C	D	E	F	G	J	K	L	M	P	Q	R	S	T	AA	AB
6 x 29	6	29	9	1 1/2	14 1/2	28 1/2	22	12	8	2	22	3	8	11 1/2	19 1/2	48	23	25
7 x 29	7	29	10	1 1/2	14 1/2	28 1/2	22	12	8	2	22	4	8	11 1/2	20 1/2	48	23	25
8 x 29	8	29	11	1 1/2	14 1/2	28 1/2	22	12	8	2	22	5	8	11 1/2	21 1/2	48	23	25
9 3/4 x 35	9 3/4	35	13	1 1/2	17 1/2	33 1/2	25 1/4	15	10	2	24	6 3/4	8	14 1/2	23 1/4	48	26	28
11 3/4 x 35	11 3/4	35	15	1 1/2	17 1/2	33 1/2	25 1/4	15	10	2	24	7 3/4	8	14 1/2	25 1/4	48	26	28
9 3/4 x 39	9 3/4	39	13	1 1/2	19 1/2	35 1/2	26 1/8	18	10	3	28	6 3/4	10	16 1/2	23 1/4	60	28	29
11 3/4 x 39	11 3/4	39	15	1 1/2	19 1/2	35 1/2	26 1/8	18	10	3	28	7 3/4	10	16 1/2	25 1/4	60	28	29
13 3/4 x 39	13 3/4	39	17	1 1/2	19 1/2	35 1/2	26 1/8	18	10	3	28	8 3/4	10	16 1/2	27 1/4	60	28	29
15 3/4 x 39	15 3/4	39	17	1 1/2	19 1/2	35 1/2	26 1/8	18	10	3	28	9 3/4	10	16 1/2	29 1/4	60	28	29
11 3/4 x 48	11 3/4	48	16	2	24	45	32 15/16	20	15	3	34	7 3/4	12	21	25 1/4	60	32 1/2	33
13 3/4 x 48	13 3/4	48	18	2	24	45	32 15/16	20	15	3	34	8 3/4	12	21	27 1/4	60	32 1/2	33
15 3/4 x 48	15 3/4	48	20	2	24	45	32 15/16	20	15	3	34	9 3/4	12	21	29 1/4	60	32 1/2	33
13 3/4 x 54	13 3/4	54	18	2	27	50	36 3/16	24	17	5	35	8 3/4	12	24	29 1/4	72	35 1/2	36
15 3/4 x 54	15 3/4	54	20	2	27	50	36 3/16	24	17	5	35	9 3/4	12	24	34 1/4	72	35 1/2	36
17 3/4 x 54	17 3/4	54	22	2	27	50	36 3/16	24	17	5	35	10 3/4	12	24	36 1/4	72	35 1/2	36
19 3/4 x 54	19 3/4	54	24	2	27	50	36 3/16	24	17	5	35	11 3/4	12	24	38 1/4	72	35 1/2	36
21 3/4 x 60	21 3/4	60	26	2	30	54	38 7/16	30	18	5	38	12 3/4	12	27	40 1/4	72	39	41
23 3/4 x 60	23 3/4	60	28	2	30	54	38 7/16	30	18	5	38	13 3/4	12	27	42 1/4	72	39	41
25 3/4 x 60	25 3/4	60	30	2	30	54	38 7/16	30	18	5	38	14 3/4	12	27	44 1/4	72	39	41

Double row of buckets

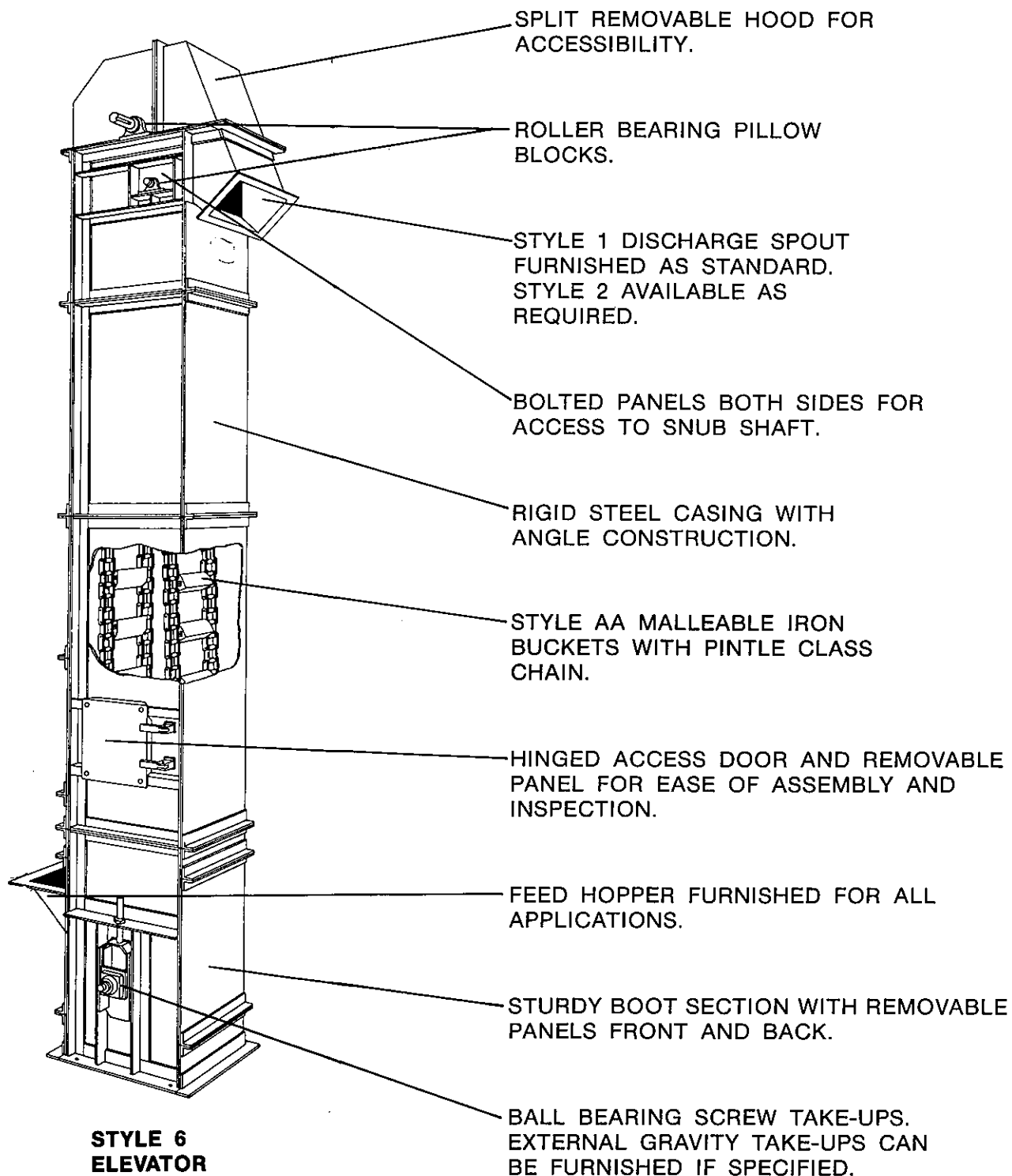
Casing Size	A	B	C	D	E	F	G	J	K	L	M	P	Q	R	S	T	AA	AB
28 x 60	28	60	33	2 1/2	30	54	38 7/16	30	18	5	38	15 3/4	12	27	46	72	39	41
30 x 60	30	60	35	2 1/2	30	54	38 7/16	30	18	5	38	16 3/4	12	27	48	72	39	41
34 x 60	34	60	39	2 1/2	30	54	38 7/16	30	18	5	38	18 3/4	12	27	52	72	39	41
36 x 60	36	60	41	2 1/2	30	54	38 7/16	30	18	5	38	19 3/4	12	27	54	72	39	41
38 x 60	38	60	43	2 1/2	30	54	38 7/16	30	18	5	38	20 3/4	12	27	56	72	39	41
42 x 60	42	60	47	2 1/2	30	54	38 7/16	30	18	5	38	22 3/4	12	27	60	72	39	41
44 x 60	44	60	49	2 1/2	30	54	38 7/16	30	18	5	38	23 3/4	12	27	62	72	39	41

* Height on inlet hopper equals K + 2 1/4"

See pages 33, 34 and 35 for bolt patterns of intake spout, discharge spout, and intermediate casing flange.

POSITIVE DISCHARGE

Style 6 bucket elevator



POSITIVE DISCHARGE

Style 6 bucket elevator

ELEVATOR SPECIFICATIONS

Elevator number	Bucket *		Chain speed, FPM	Maximum lump size, inches		Cubic feet per hour	Capacity *			
	Size, inches	Spacing, inches		Percentage of lumps			Tons per hour			
				100	10		Material weight, pounds per cubic foot			
35	50	75	100							
BE601	8 x 5 x 5 1/2	20	120	3/4	3	220	4	6	8	11
BE602	10 x 6 x 6 1/2	20	120	1	3 1/2	380	7	10	15	19
BE603	12 x 6 x 6 1/2	20	120	1 1/4	3 1/2	460	8	11	17	23
BE604	14 x 8 x 8 1/2	24	120	1 1/4	4	800	14	20	30	40
BE605	16 x 8 x 8 1/2	24	120	1 1/2	4 1/2	920	16	23	34	46
BE606	18 x 8 x 8 1/2	24	120	1 1/2	4 1/2	1060	18	26	40	53
BE607	20 x 8 x 8 1/2	24	120	1 3/4	5	1160	20	29	44	58
BE608	24 x 8 x 8 1/2	24	120	1 3/4	5	1380	24	34	52	69

Elevator number	Maximum elevator centers in feet for various size head shafts																		
	Material weight, pounds per cubic foot																		
	35				50				75				100						
Head shaft diameter, inches																			
1 1/16	2 1/16	2 3/16	3 1/16	1 1/16	2 1/16	2 3/16	3 1/16	1 1/16	2 1/16	2 3/16	3 1/16	1 1/16	2 1/16	2 3/16	3 1/16				
BE601	80	..	..	..	80	..	..	..	..	80	80	..	..	..	65	80	..	..	..
BE602	65	80	..	..	55	80	..	..	50	80	..	..	..	..	45	75	80	..	..
BE603	60	80	..	..	55	80	..	..	45	75	80	..	..	..	40	70	80	..	..
BE604	35	65	80	..	30	55	80	..	25	45	75	80	..	..	25	40	65	80	..
BE605	30	60	80	..	30	50	80	..	25	45	70	80	..	..	20	35	60	80	..
BE606	30	55	80	..	25	45	75	80	20	40	65	80	..	..	20	35	55	80	..
BE607	30	50	80	..	25	45	70	80	20	35	60	80	..	..	..	30	45	75	80
BE608	25	45	75	80	20	40	65	80	..	30	50	75	80	..	..	25	45	65	80

Elevator number	Horsepower at head shaft *								Head shaft			Snub shaft			Boot shaft					
	Material weight, pounds per cubic foot								Pitch diameter of sprocket, inches	Teeth	No	Speed, RPM	Pitch diameter of sprocket, inches	Teeth	No	Diameter, inches	Pitch diameter of sprocket, inches	Teeth	No	Diameter, inches
	35		50		75		100													
Terminals	Per foot centers	Terminals	Per foot centers	Terminals	Per foot centers	Terminals	Per foot centers													
BE601	.111	.005	.144	.007	.220	.011	.298	.015	24 1/2	19	19.1	11 3/4	9	1 7/16	16 3/4	13	1 15/16			
BE602	.178	.009	.250	.013	.375	.019	.514	.026	24 1/2	19	19.1	11 3/4	9	1 7/16	16 3/4	13	1 15/16			
BE603	.207	.011	.298	.015	.417	.023	.596	.030	24 1/2	19	19.1	11 3/4	9	1 7/16	16 3/4	13	1 15/16			
BE604	.515	.019	.793	.027	1.139	.041	1.558	.055	30 3/4	16	15	17 1/2	9	1 15/16	25	13	2 3/16			
BE605	.636	.021	.910	.031	1.367	.046	1.819	.062	30 3/4	16	15	17 1/2	9	1 15/16	25	13	2 3/16			
BE606	.726	.025	1.049	.035	1.561	.053	2.080	.071	30 3/4	16	15	17 1/2	9	1 15/16	25	13	2 3/16			
BE607	.805	.027	1.100	.039	1.724	.059	2.300	.078	30 3/4	16	15	17 1/2	9	1 15/16	25	13	2 3/16			
BE608	.943	.032	1.372	.046	2.030	.069	2.728	.093	30 3/4	16	15	17 1/2	9	1 15/16	25	13	2 3/16			

Elevator number	Chain		Casing size inside, inches	Gauge of steel casing				Approximate weight, pounds	
	Number	Bucket wing number		Hood	Head and intermediate sections	Boot section	Discharge spout	Terminals	Casing, buckets and chain, per foot centers
BE601	483	39A	20 1/2 x 30	14	12	10	10	1085	81
BE602	483	5A	22 1/2 x 30	14	12	10	10	1124	87
BE603	483	5A	24 1/2 x 30	14	12	10	10	1163	90
BE604	730	6A	28 1/2 x 42	14	12	10	10	2153	131
BE605	730	6A	30 1/2 x 42	14	12	10	10	2187	135
BE606	730	6A	32 1/2 x 42	14	12	10	10	2219	139
BE607	730	6A	34 1/2 x 42	14	12	10	10	2272	144
BE608	730	6A	38 1/2 x 42	14	12	10	10	2338	152

* Style AA malleable iron buckets.

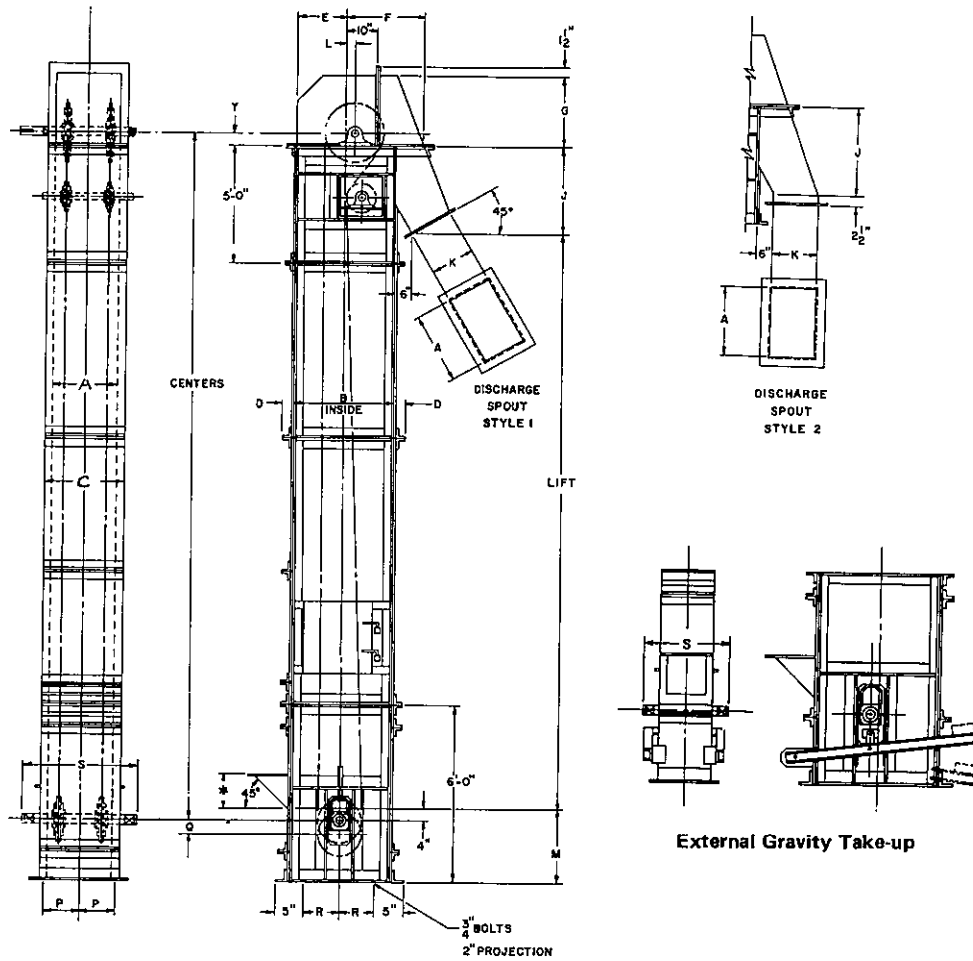
* Based on buckets being filled to 100% of theoretical capacity. Horsepower directly proportional to volume and weight of material carried in buckets and chain speed.

* Based on buckets filled to 75% of theoretical capacity. Capacity directly proportional to volume and weight of material carried in buckets and chain speed.

* Terminal weight based on average size of head shaft. Weight adjustment necessary if casing thickness is other than listed above. Terminal weight includes Style 1 or 2 discharge spout but not feed hopper.

POSITIVE DISCHARGE

Style 6 bucket elevator



Elevator Number	A	B	C	D	E	F	G	J	K	L	M	P	Q	R	S
	INCHES														
BE601	20 1/2	30	23 7/8	1 1/2	15	24 3/4	22	29	13	3 7/8	25	12 1/8	8	12	36
BE602	22 1/2	30	25 7/8	1 1/2	15	24 3/4	22	29	13	3 7/8	25	13 1/8	8	12	38
BE603	24 1/2	30	27 7/8	1 1/2	15	24 3/4	22	29	13	3 7/8	25	14 1/8	8	12	40
BE604	28 1/2	42	32 7/8	2	21	31 1/4	28	36	17	2 7/8	32 1/2	16 1/8	10	18	46 3/4
BE605	30 1/2	42	34 7/8	2	21	31 1/4	28	36	17	2 7/8	32 1/2	17 1/8	10	18	48 3/4
BE606	32 1/2	42	36 7/8	2	21	31 1/4	28	36	17	2 7/8	32 1/2	18 1/8	10	18	50 3/4
BE607	34 1/2	42	38 7/8	2	21	31 1/4	28	36	17	2 7/8	32 1/2	19 1/8	10	18	52 3/4
BE608	38 1/2	42	42 7/8	2	21	31 1/4	28	36	17	2 7/8	32 1/2	21 1/8	10	18	56 3/4

* Height of inlet hopper equals $K + 2 \frac{1}{4}$ "

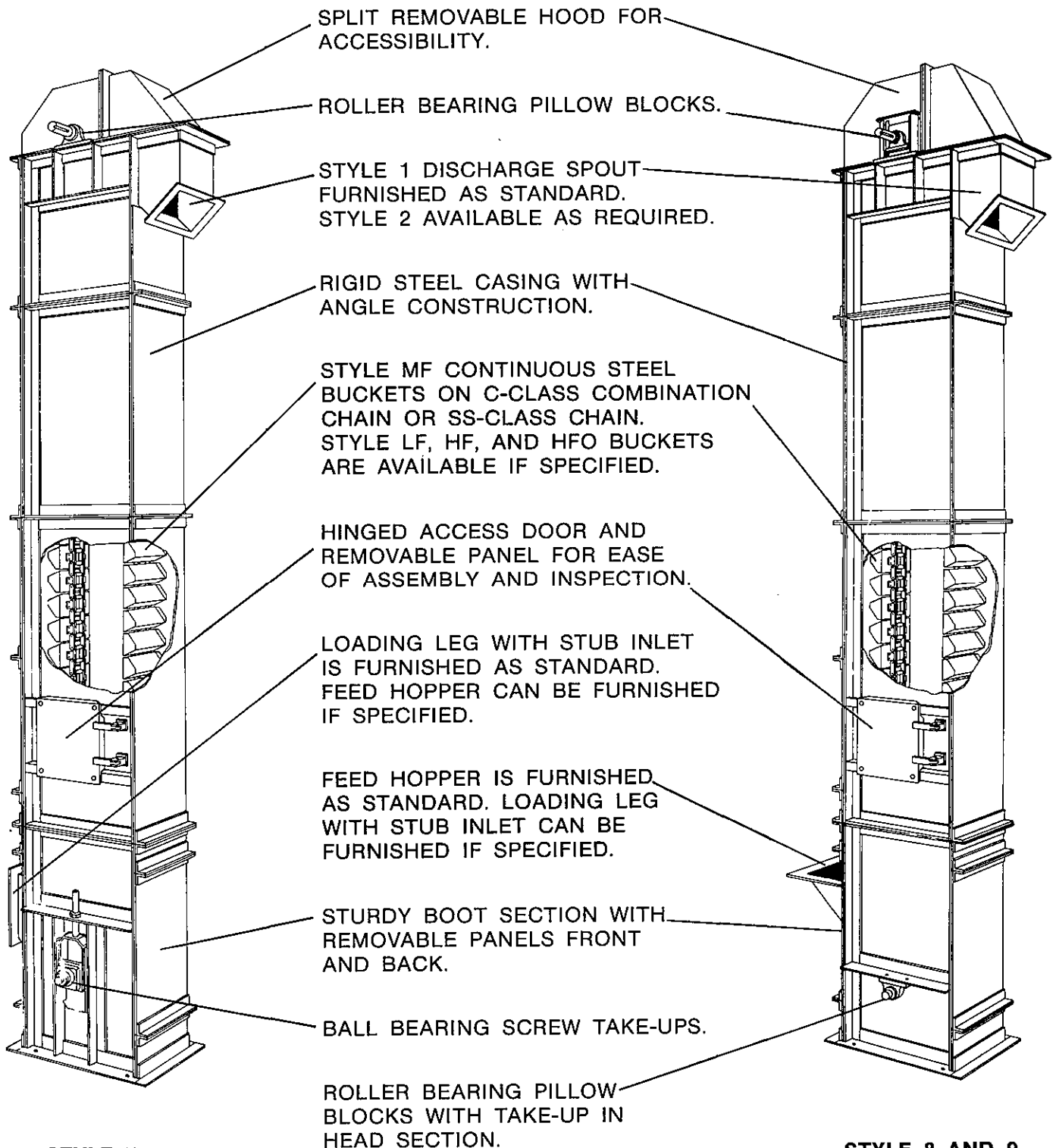
See pages 33, 34 and 35 for bolt patterns of intake spout discharge spout and intermediate casing flange.

Dia. Head Shaft	1 15/16	2 7/16	2 15/16	3 7/16	3 15/16
Dim. Y	2 1/4	2 3/4	3 1/8	3 3/4	4 1/4

Based on Dodge Type 'E' roller bearing pillow blocks.

CONTINUOUS DISCHARGE

Style 7, 8 and 9 bucket elevators



**STYLE 7
ELEVATOR**

**STYLE 8 AND 9
ELEVATORS**

CONTINUOUS DISCHARGE

Style 7, 8 and 9 bucket elevators

ELEVATOR SPECIFICATIONS

Elevator number			Bucket ^a			Chain speed, FPM ^b	Maximum lump size, inches		Capacity ^c				
			Size, inches	Gauge of steel	Spacing, inches		Style 7 & 9		Cubic feet per hour	Tons per hour			
Percentage of lumps		35 ^d				50	75	100					
Style 7	Style 8		Style 9	100	10								
BE701	BE801	BE901	8 x 5 x 7 3/4	12	8	125	3/4	2 1/2	590	10	15	22	30
BE702	BE802	BE902	8 x 5 x 7 3/4	12	8	125	3/4	2 1/2	590	10	15	22	30
BE703	BE803	BE903	10 x 5 x 7 3/4	12	8	125	3/4	2 1/2	750	13	19	28	38
BE704	BE804	BE904	10 x 5 x 7 3/4	12	8	125	3/4	2 1/2	750	13	19	28	38
BE705	BE805	BE905	10 x 7 x 11 5/8	12	12	125	1	3	1010	17	25	38	50
BE706	BE806	BE906	10 x 7 x 11 5/8	12	12	125	1	3	1010	17	25	38	50
BE707	BE807	BE907	12 x 7 x 11 5/8	10	12	125	1	3	1230	21	30	46	62
BE708	BE808	BE908	12 x 7 x 11 5/8	10	12	125	1	3	1230	21	30	46	62
BE709	BE809	BE909	14 x 7 x 11 5/8	10	12	125	1	3	1420	25	36	53	72
BE710	BE810	BE910	14 x 7 x 11 5/8	10	12	125	1	3	1420	25	36	53	72
BE711	BE811	BE911	12 x 8 x 11 5/8	10	12	125	1 1/4	4	1550	27	39	58	78
BE712	BE812	BE912	12 x 8 x 11 5/8	10	12	125	1 1/4	4	1550	27	39	58	78
BE713	BE813	BE913	14 x 8 x 11 5/8	10	12	125	1 1/4	4	1830	32	45	68	91
BE714	BE814	BE914	14 x 8 x 11 5/8	10	12	125	1 1/4	4	1830	32	45	68	91
BE715	BE815	BE915	16 x 8 x 11 5/8	10	12 1/8	125	1 1/2	4 1/2	2090	37	52	78	104
BE716	BE816	BE916	16 x 8 x 11 5/8	10	12	125	1 1/2	4 1/2	2090	37	52	78	104
BE717	BE817	BE917	18 x 8 x 11 5/8	10	12 1/8	125	1 1/2	4 1/2	2340	41	58	88	117
BE718	BE818	BE918	18 x 8 x 11 5/8	10	12	125	1 1/2	4 1/2	2340	41	58	88	117

* Style 8 for Fine and Crushed Material Up to 1/2 inch

Elevator number			Maximum elevator centers in feet for various size head shafts																								
			Material weight, pounds per cubic foot																								
			35						50						75						100						
			Head shaft diameter, inches																								
Style 7	Style 8	Style 9	1 1/16	2 1/16	2 1/8	3 1/16	3 1/8	3 1/4	3 1/2	3 3/8	3 1/2	3 3/4	3 7/8	4 1/16	4 1/8	4 1/4	4 1/2	4 3/8	4 1/2	4 3/4	4 7/8	5 1/16	5 1/8	5 1/4	5 1/2	5 3/8	5 1/2
BE701	BE801	BE901	40	60	..	..	..	..	35	60	..	..	..	..	30	60	..	..	..	..	30	50	60	..	..	..	..
BE702	BE802	BE902	45	70	..	..	..	..	40	70	..	..	..	..	35	65	70	..	..	..	30	55	70	..	..	..	..
BE703	BE803	BE903	30	60	..	..	..	..	30	55	60	..	..	..	25	45	60	..	..	..	25	40	60	..	..	..	..
BE704	BE804	BE904	35	65	70	..	..	..	30	60	70	..	..	..	25	50	70	..	..	..	25	45	70	..	..	..	..
BE705	BE805	BE905	30	55	60	..	..	..	25	50	60	..	..	..	20	40	60	..	..	..	20	35	55	60	..	..	..
BE706	BE806	BE906	25	50	70	..	..	..	25	45	70	..	..	..	20	35	60	70	..	..	..	30	55	70	..	..	..
BE707	BE807	BE907	25	45	60	..	..	..	20	40	60	..	..	..	20	35	55	60	..	..	..	30	50	60	..	..	..
BE708	BE808	BE908	20	40	65	70	..	..	20	35	60	70	..	..	..	30	50	70	..	..	..	25	45	70	..	..	..
BE709	BE809	BE909	20	40	60	..	..	..	20	35	60	..	..	..	..	30	50	60	..	..	..	25	45	60	..	..	..
BE710	BE810	BE910	20	35	60	70	..	..	20	30	55	70	..	..	..	30	45	70	..	..	..	25	40	60	70	..	..
BE711	BE811	BE911	20	40	60	..	..	..	20	35	55	60	..	..	..	30	45	60	..	..	..	25	40	60	..	..	..
BE712	BE812	BE912	..	30	50	70	..	..	..	30	50	70	..	..	..	25	40	65	70	..	..	20	35	60	70	..	..
BE713	BE813	BE913	..	30	50	60	..	..	..	30	45	60	..	..	..	25	40	60	..	..	..	20	35	55	60	..	..
BE714	BE814	BE914	..	25	45	70	80	..	..	25	40	65	80	..	..	20	35	55	75	80	..	20	30	50	70	80	..
BE715	BE815	BE915	..	20	35	60	..	..	..	20	35	55	60	..	..	20	30	45	60	..	..	..	25	40	55	60	..
BE716	BE816	BE916	..	25	40	60	80	..	..	20	35	55	75	80	..	20	30	50	65	80	..	..	25	45	60	80	..
BE717	BE817	BE917	..	20	30	50	60	..	..	..	30	45	60	..	..	..	25	40	55	60	..	..	20	35	50	60	..
BE718	BE818	BE918	..	20	35	55	75	80	..	..	20	30	50	65	80	..	..	25	40	55	80	..	..	25	35	50	70

• Style MF, medium front, continuous steel buckets.

⊙ When handling light weight, fluffy or pulverized materials, chain speeds may be increased to 160 to 175 FPM according to the fluffy nature of the material, to provide greater capacity.

Δ Based on buckets filled to 75% of theoretical capacity. Capacity directly proportional to volume and weight of material carried in buckets and chain speed. Free-flowing materials cannot be carried as high in the buckets as heavier or less fluffy materials.

CONTINUOUS DISCHARGE

Style 7, 8 and 9 bucket elevators

ELEVATOR SPECIFICATIONS

Elevator number			Horsepower at head shaft												Head shaft			Boot shaft		
			Material weight, pounds per cubic foot												Pitch diameter of sprocket, inches	No teeth	Speed, RPM	Pitch diameter of sprocket, inches	No teeth	Diameter, inches
			35			50			75			100								
			Terminals		Per foot of centers	Terminals		Per foot of centers	Terminals		Per foot of centers	Terminals		Per foot of centers						
Style 7	Style 8	Style 7 & 9	Style 8	Style 7 & 9		Style 8	Style 7 & 9		Style 8											
BE701	BE801	BE901	.226	.329	.014	.275	.424	.020	.357	.579	.030	.439	.734	.040	20 1/2	16	23.4	14 1/4	11	1 7/16
BE702	BE802	BE902	.231	.334	.014	.280	.428	.020	.362	.584	.030	.445	.738	.040	20 1/2	16	23.4	14 1/4	11	1 7/16
BE703	BE803	BE903	.269	.402	.018	.332	.522	.026	.438	.723	.038	.541	.920	.051	20 1/2	16	23.4	14 1/4	11	1 7/16
BE704	BE804	BE904	.272	.405	.018	.335	.525	.026	.442	.727	.038	.543	.923	.051	20 1/2	16	23.4	14 1/4	11	1 7/16
BE705	BE805	BE905	.384	.630	.024	.500	.846	.034	.685	1.202	.051	.875	1.565	.068	25	13	19.1	19 1/2	10	1 15/16
BE706	BE806	BE906	.393	.635	.024	.506	.852	.034	.691	1.210	.051	.878	1.570	.068	25	13	19.1	19 1/2	10	1 15/16
BE707	BE807	BE907	.469	.764	.029	.605	1.020	.041	.833	1.460	.062	1.058	1.891	.083	25	13	19.1	19 1/2	10	1 15/16
BE708	BE808	BE908	.476	.768	.029	.612	1.028	.041	.839	1.467	.062	1.062	1.900	.083	25	13	19.1	19 1/2	10	1 15/16
BE709	BE809	BE909	.529	.869	.034	.686	1.172	.048	.954	1.682	.072	1.212	2.185	.096	25	13	19.1	19 1/2	10	1 15/16
BE710	BE810	BE910	.535	.875	.034	.694	1.179	.048	.957	1.690	.072	1.221	2.190	.096	25	13	19.1	19 1/2	10	1 15/16
BE711	BE811	BE911	.521	.853	.037	.676	1.142	.052	.935	1.648	.078	1.195	2.145	.1042	25	13	19.1	17 1/2	9	2 3/16
BE712	BE812	BE912	.529	.861	.037	.682	1.157	.052	.942	1.654	.078	1.201	2.150	.1042	25	13	19.1	17 1/2	9	2 3/16
BE713	BE813	BE913	.609	.998	.043	.790	1.350	.062	1.098	1.942	.093	1.400	2.518	.1231	25	13	19.1	17 1/2	9	2 3/16
BE714	BE814	BE914	.612	1.005	.043	.797	1.359	.062	1.103	1.945	.093	1.408	2.525	.1231	25	13	19.1	17 1/2	9	2 3/16
BE715	BE815	BE915	.749	1.201	.049	.959	1.610	.070	1.313	2.285	.1055	1.669	2.961	.1406	25	13	19.1	17 3/4	9	2 3/16
BE716	BE816	BE916	.691	1.141	.049	.900	1.549	.070	1.252	2.225	.1065	1.607	2.900	.1420	25	13	19.1	17 1/2	9	2 3/16
BE717	BE817	BE917	.821	1.300	.055	1.055	1.780	.078	1.450	2.535	.1180	1.848	3.295	.1570	25	13	19.1	17 3/4	9	2 3/16
BE718	BE818	BE918	.759	1.270	.056	.998	1.721	.079	1.353	2.440	.1195	1.790	3.240	.1590	25	13	19.1	17 1/2	9	2 3/16

Elevator number			Chain number †	Casing size inside, inches	Gauge of steel casing				Approximate weight, pounds □	
Style 7	Style 8	Style 9			Hood	Head and intermediate sections	Boot section	Discharge spout	Terminals	Casing, buckets and chain, per foot centers
BE701	BE801	BE901	C102B	11 3/4 x 39	14	12	10	10	867	83
BE702	BE802	BE902	SS102B	11 3/4 x 39	14	12	10	10	862	83
BE703	BE803	BE903	C102B	13 3/4 x 39	14	12	10	10	827	94
BE704	BE804	BE904	SS102B	13 3/4 x 39	14	12	10	10	816	94
BE705	BE805	BE905	C110	13 3/4 x 48	14	12	10	10	1130	99
BE706	BE806	BE906	SS110	13 3/4 x 48	14	12	10	10	1223	103
BE707	BE807	BE907	C110	15 3/4 x 48	14	12	10	10	1192	114
BE708	BE808	BE908	SS110	15 3/4 x 48	14	12	10	10	1295	114
BE709	BE809	BE909	C110	17 3/4 x 48	14	12	10	10	1261	119
BE710	BE810	BE910	SS110	17 3/4 x 48	14	12	10	10	1359	120
BE711	BE811	BE911	C110	15 3/4 x 48	14	12	10	10	1250	115
BE712	BE812	BE912	SS110	15 3/4 x 48	14	12	10	10	1462	121
BE713	BE813	BE913	C110	17 3/4 x 48	14	12	10	10	1401	120
BE714	BE814	BE914	SS110	17 3/4 x 48	14	12	10	10	1568	127
BE715	BE815	BE915	C132	19 3/4 x 48	14	12	10	10	1669	142
BE716	BE816	BE916	SS110	19 3/4 x 48	14	12	10	10	1607	132
BE717	BE817	BE917	C132	21 3/4 x 48	14	12	10	10	1700	148
BE718	BE818	BE918	SS110	21 3/4 x 48	14	12	10	10	1642	137

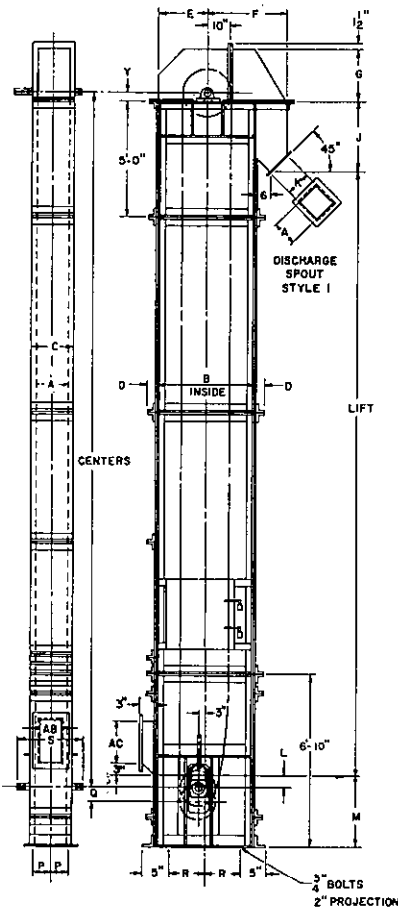
©Based on buckets filled to 100% of theoretical capacity. Horsepower directly proportional to volume and weight of material carried in buckets and chain speed.

† Class 800 chains can be furnished instead of Class SS.

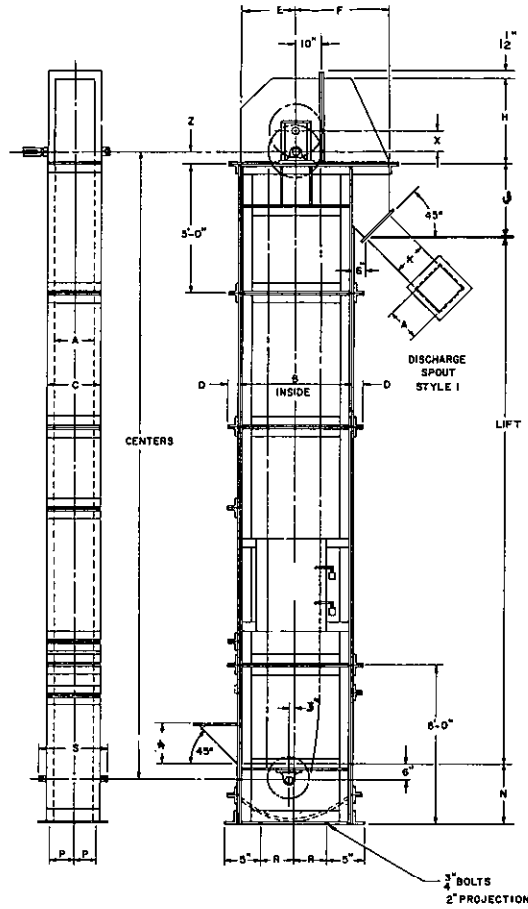
□ Terminal weight based on average size head shaft. Weight adjustment necessary if casing thickness is other than listed above. Terminal weight includes Style 1 or 2 discharge spout and loading leg but not feed hopper.

CONTINUOUS DISCHARGE

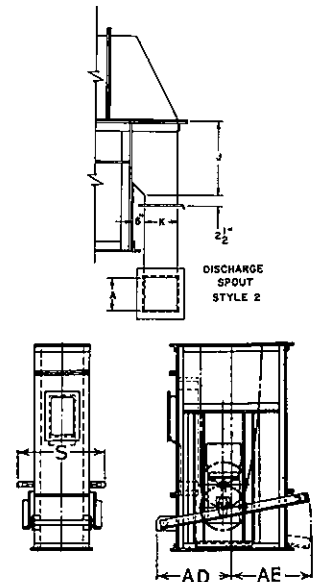
Style 7, 8 and 9 bucket elevators



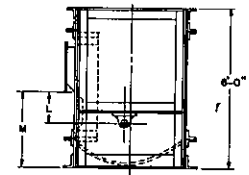
Style 7 Elevator



Style 8 Elevator



Style 7
GRAVITY TAKE UP



Style 9 Elevator
Boot Section

Elevator dimensions

Casing size inside, inches	A	B	C	D	E	F	G	H	J	K	L	M		N	P	Q	R	S		AB	AC	AD	AE
												Style 7	Style 9					Style 7	Style 8&9				
INCHES																							
11 3/4 x 39	11 3/4	39	15 1/8	1 1/2	19 1/2	32 1/2	21 1/2	31	29	10	17	37 1/2	33	22	7 3/4	6	16 1/2	25 1/4	20 3/4	6	12	28	29
13 3/4 x 39	13 3/4	39	17 1/8	1 1/2	19 1/2	32 1/2	21 1/2	31	29	10	17	37 1/2	33	22	8 3/4	6	16 1/2	27 1/4	22 3/4	8	12	28	29
13 3/4 x 48	13 3/4	48	18 1/8	2	24	40 5/8	27 1/2	42	33 1/4	15	22 1/2	49 1/2	43 1/2	27	8 3/4	8	21	29 1/2	24 3/4	8	15	32 1/2	33
15 3/4 x 48	15 3/4	48	20 1/8	2	24	40 5/8	27 1/2	42	33 1/4	15	22 1/2	49 1/2	43 1/2	27	9 3/4	8	21	34 1/4	27 3/4	10	15	32 1/2	33
17 3/4 x 48	17 3/4	48	22 1/8	2	24	40 5/8	27 1/2	42	33 1/4	15	22 1/2	49 1/2	43 1/2	27	10 3/4	8	21	36 1/4	29 3/4	12	15	32 1/2	33
19 3/4 x 48	19 3/4	48	24 1/8	2	24	40 5/8	27 1/2	42	33 1/4	15	22 1/2	51 1/2	43 1/2	27	11 3/4	10	21	38 1/4	31 3/4	14	15	32 1/2	33
21 3/4 x 48	21 3/4	48	26 1/8	2	24	40 5/8	27 1/2	42	33 1/4	15	22 1/2	51 1/2	43 1/2	27	12 3/4	10	21	40 1/4	33 3/4	16	15	32 1/2	33

▪ Increase 12" to 24" when handling light fluffy material.
 Δ51 1/2" for 2 3/16" diameter foot shaft.

* Height of Inlet Hopper equals K + 2 1/4".
 □ 10" for 2 3/16" diameter foot shaft or 2 7/16".

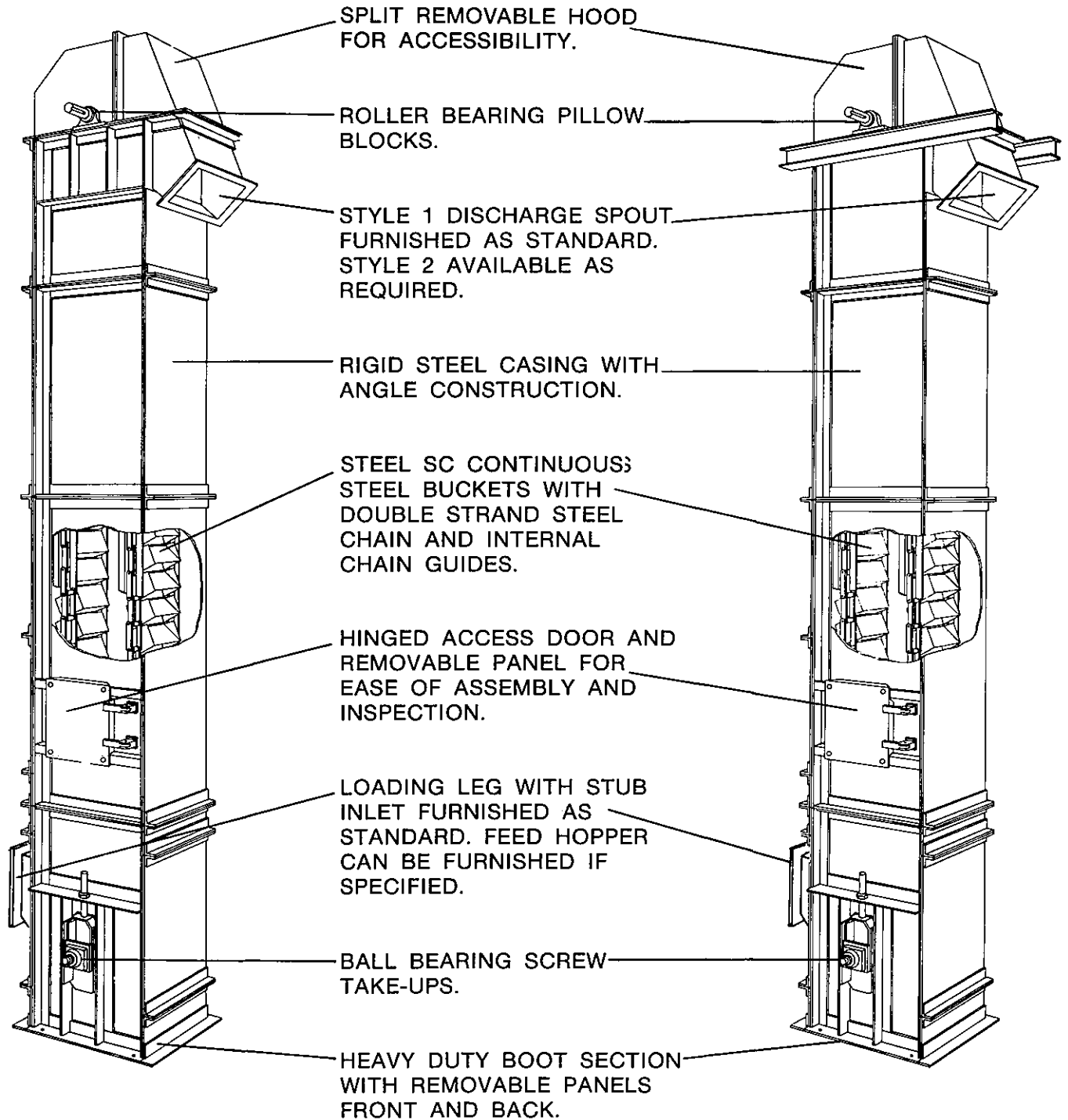
Casing depth, inches	Diameter of head shaft, inches																	
	1 15/16			2 7/16			2 15/16			3 7/16			3 15/16			4 7/16		
	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z
All Sizes	5	2 1/4	4	6	2 3/4	5 1/4	7	3 1/8	5 5/8	8	3 3/4	6 1/4	10	4 1/4	7	10	4 3/4	7 3/8

X, Y, and Z based on Dodge Type 'E' roller bearing pillow blocks.

See pages 33, 34 and 34 for Bolt Patterns of Intake Spout, Discharge Spout, and Intermediate Casing.

CONTINUOUS DISCHARGE — Super Capacity

Style 10 and 11 bucket elevators



**STYLE 10
ELEVATOR**

**STYLE 11
ELEVATOR**

CONTINUOUS DISCHARGE — Super Capacity

Style 10 and 11 bucket elevators

ELEVATOR SPECIFICATIONS

Elevator number	Bucket •			Chain, speed, FPM ©	Maximum lump size, inches □	Capacity Δ				
	Size, inches	Thickness of steel	Spacing, inches			Cubic feet per hour	Tons per hour			
							Material weight, pounds per cubic foot			
50	75	100	125							
BE1001	12 x 8 3/4 x 11 5/8	10 ga	12	100	6	2400	60	90	120	150
BE1002	14 x 8 3/4 x 11 5/8	10 ga	12	100	6	2800	70	105	140	175
BE1003	16 x 8 3/4 x 11 5/8	10 ga	12	100	6	3200	80	120	160	200
BE1004	18 x 8 3/4 x 11 5/8	10 ga	12	100	6	3600	90	135	180	225
BE1005	20 x 8 3/4 x 11 5/8	10 ga	12	100	6	4000	100	150	200	250
BE1006&BE1101-BE1106	16 x 12 5/8 x 17 5/8	3/16	18	120	8	5600	140	210	280	350
BE1007&BE1102-BE1107	20 x 12 5/8 x 17 5/8	3/16	18	120	8	6800	170	255	340	425
BE1008&BE1103-BE1108	24 x 12 5/8 x 17 5/8	3/16	18	120	8	8400	210	315	420	525
BE1009&BE1104-BE1109	30 x 12 5/8 x 17 5/8	3/16	18	120	8	10000	250	375	500	625
BE1010&BE1105-BE1110	36 x 12 5/8 x 17 5/8	3/16	18	120	8	12400	310	465	620	775

Style 10 Elevator

Elevator number	Maximum elevator centers in feet for various size head shafts															
	Material weight, pounds per cubic feet															
	50				75				100				125			
	Head shaft diameter, inches															
	2 15/16	3 7/16	3 15/16	4 7/16	2 15/16	3 7/16	3 15/16	4 7/16	3 7/16	3 15/16	4 7/16	3 7/16	3 15/16	4 7/16		
BE1001	25	35	60	85	20	30	45	70	25	40	55	20	30	45		
BE1002	20	35	55	75	..	25	40	60	20	35	50	..	25	40		
BE1003	20	30	50	75	..	25	40	55	20	30	45	..	25	35		
BE1004	20	30	45	65	..	25	35	50	20	25	40	..	20	30		
BE1005	..	25	40	60	..	20	20	45	..	25	35	..	20	30		
BE1006	..	35	50	75	..	30	45	65	25	40	55	20	30	45		
BE1007	..	30	45	60	..	25	40	55	20	30	45	20	25	40		
BE1008	..	25	40	55	..	20	35	50	20	25	40	..	20	30		
BE1009	..	20	35	50	..	20	30	45	..	25	35	..	20	30		
BE1010	..	..	30	40	..	..	20	35	..	20	25	..	..	20

Style 11 Elevator

Elevator number	Maximum elevator centers in feet for various size head shafts																			
	Material weight, pounds per cubic feet																			
	50					75					100					125				
	Head shaft diameter, inches																			
	4 15/16	5 7/16	5 15/16	6 1/2	7	4 15/16	5 7/16	5 15/16	6 1/2	7	4 15/16	5 7/16	5 15/16	6 1/2	7	4 15/16	5 7/16	5 15/16	6 1/2	7
BE1101	85	115	125	..	..	70	95	120	..	..	60	80	100	..	..	55	70	85	..	..
BE1102	75	100	125	..	..	60	80	100	..	..	50	70	85	..	..	45	60	70	..	..
BE1103	65	90	110	..	..	55	70	90	..	..	45	60	75	..	..	35	50	60	..	..
BE1104	55	75	90	..	..	45	60	70	..	..	35	50	60	..	..	30	45	50	..	..
BE1105	50	65	80	..	..	40	50	65	..	..	30	40	50	..	..	25	35	40	..	..
BE1106	65	90	115	125	125	55	70	95	125	125	50	65	90	115	125	45	60	80	105	110
BE1107	60	80	105	125	125	50	65	90	115	125	45	60	75	100	110	35	50	65	90	95
BE1108	55	70	95	125	125	45	60	80	105	110	35	50	65	90	95	30	45	60	80	80
BE1109	50	65	85	115	125	40	55	70	95	100	35	45	60	80	85	30	40	55	70	75
BE1110	40	55	70	95	100	30	45	60	75	80	25	35	50	65	70	25	30	40	55	60

• Style SC continuous steel buckets.

© Based on handling mildly abrasive materials. Recommended speed 10% higher for nonabrasive materials and 10% lower for very abrasive materials.

□ Maximum size lumps not to exceed 10% of the total volume and

at least 75% of the total volume to be less than one-half of the maximum lump size.

Δ Based on buckets filled to 75% of theoretical capacity. Capacity directly proportional to volume and weight of material carried in buckets and chain speed. Free-flowing materials cannot be carried as high in the buckets as heavier or less fluffy materials.

CONTINUOUS DISCHARGE — Super Capacity

Style 10 and 11 bucket elevators

ELEVATOR SPECIFICATIONS

Elevator number	Horsepower at head shaft [Ⓢ]								Head shaft			Boot shaft		
	Material weight, pounds per cubic foot								Pitch diameter of sprocket, inches	No. teeth	Speed, RPM	Pitch diameter of sprocket, inches	No. teeth	Diameter inches
	50		75		100		125							
	Terminals	Per foot centers	Terminals	Per foot centers	Terminals	Per foot centers	Terminals	Per foot centers						
BE1001	2.04	.08	2.65	.12	3.27	.16	3.91	.20	31.4	8	12.5	31.4	8	2 7/16
BE1002	2.23	.09	2.96	.14	3.69	.19	4.46	.24	31.4	8	12.5	31.4	8	2 7/16
BE1003	2.46	.11	3.28	.16	4.14	.22	4.98	.27	31.4	8	12.5	31.4	8	2 7/16
BE1004	2.65	.12	3.61	.18	4.55	.24	5.51	.30	31.4	8	12.5	31.4	8	2 7/16
BE1005	2.87	.13	3.92	.20	5.03	.27	6.07	.34	31.4	8	12.5	31.4	8	2 7/16
BE1006	4.00	.19	5.30	.28	6.75	.38	8.14	.47	29.12	10	16.0	29.12	10	2 15/16
BE1007	4.83	.23	6.22	.34	7.91	.46	9.65	.57	29.12	10	16.0	29.12	10	2 15/16
BE1008	5.30	.28	7.45	.42	9.59	.57	11.74	.71	29.12	10	16.0	29.12	10	2 15/16
BE1009	6.38	.34	8.67	.51	11.20	.67	13.78	.84	29.12	10	16.0	29.12	10	2 15/16
BE1010	7.30	.42	10.39	.63	13.61	.83	16.75	1.05	29.12	10	16.0	29.12	10	2 15/16
BE1101	4.54	.19	6.18	.28	7.50	.38	8.85	.47	29.12	10	16.0	29.12	10	2 15/16
BE1102	5.36	.23	6.98	.34	8.64	.46	10.32	.57	29.12	10	16.0	29.12	10	2 15/16
BE1103	6.22	.28	8.18	.42	10.27	.57	12.31	.71	29.12	10	16.0	29.12	10	2 15/16
BE1104	7.04	.34	9.50	.51	11.91	.67	14.27	.84	29.12	10	16.0	29.12	10	2 15/16
BE1105	8.17	.42	11.18	.63	14.20	.83	17.35	1.05	29.12	10	16.0	29.12	10	2 15/16
BE1106	4.91	.19	6.57	.28	8.22	.38	9.59	.47	29.12	10	16.0	29.12	10	2 15/16
BE1107	5.74	.23	7.79	.34	9.43	.46	11.12	.57	29.12	10	16.0	29.12	10	2 15/16
BE1108	6.77	.28	9.04	.42	11.01	.57	14.99	.71	29.12	10	16.0	29.12	10	2 15/16
BE1109	7.88	.34	10.26	.51	12.71	.67	15.14	.84	29.12	10	16.0	29.12	10	2 15/16
BE1110	8.95	.42	11.92	.63	14.99	.83	18.04	1.05	29.12	10	16.0	29.12	10	2 15/16

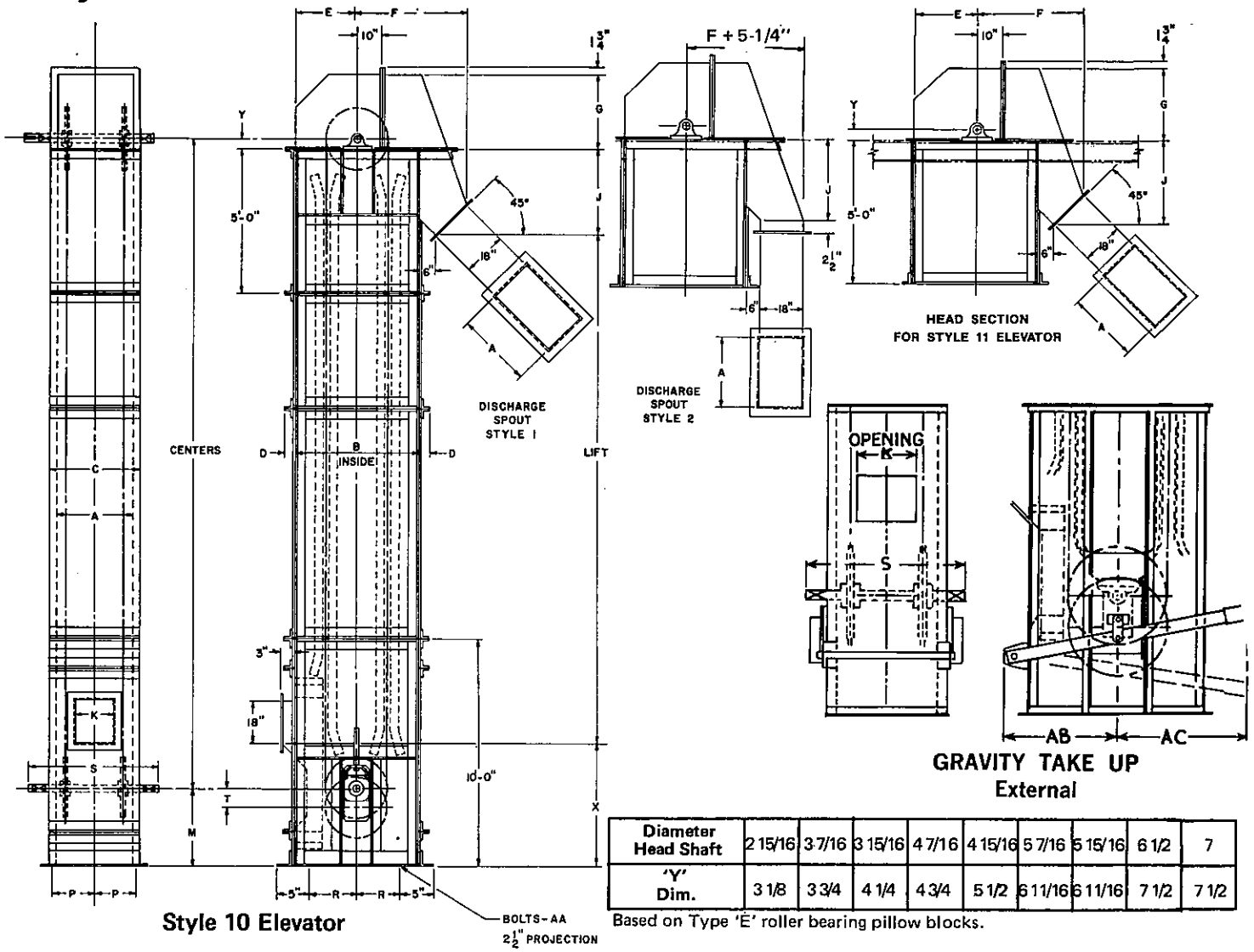
Elevator number	Chain number	Casing size inside, inches	Thickness of steel casing				Approximate weight, pounds [□]	
			Hood	Head and inter-section	Boot section	Discharge spout	Terminal	Casing, buckets and chain, per foot centers
BE1001	SS4850	26 x 54	14 ga	12 ga	10 ga	3/16	2847	250
BE1002	SS4850	28 x 54	14 ga	12 ga	10 ga	3/16	2922	254
BE1003	SS4850	30 x 54	14 ga	12 ga	10 ga	3/16	2982	260
BE1004	SS4850	32 x 54	14 ga	12 ga	10 ga	3/16	3038	265
BE1005	SS4850	34 x 54	14 ga	12 ga	10 ga	3/16	3089	271
BE1006	SS4851	30 x 60	12 ga	10 ga	3/16	1/4	3179	289
BE1007	SS4851	34 x 60	12 ga	10 ga	3/16	1/4	3316	301
BE1008	SS4851	38 x 60	12 ga	10 ga	3/16	1/4	3443	311
BE1009	SS4851	44 x 60	12 ga	10 ga	3/16	1/4	3637	330
BE1010	SS4851	50 x 60	12 ga	10 ga	3/16	1/4	3826	346
BE1101	SS4851	30 x 60	12 ga	10 ga	3/16	1/4	3602	289
BE1102	SS4851	34 x 60	12 ga	10 ga	3/16	1/4	3735	301
BE1103	SS4851	38 x 60	12 ga	10 ga	3/16	1/4	3875	311
BE1104	SS4851	44 x 60	12 ga	10 ga	3/16	1/4	4075	330
BE1105	SS4851	50 x 60	12 ga	10 ga	3/16	1/4	4271	346
BE1106	SS4852	31 1/2 x 60	12 ga	10 ga	3/16	1/4	4194	346
BE1107	SS4852	35 1/2 x 60	12 ga	10 ga	3/16	1/4	4362	356
BE1108	SS4852	39 1/2 x 60	12 ga	10 ga	3/16	1/4	4478	366
BE1109	SS4852	45 1/2 x 60	12 ga	10 ga	3/16	1/4	4618	386
BE1110	SS4852	51 1/2 x 60	12 ga	10 ga	3/16	1/4	4784	407

Ⓢ Based on buckets filled to 100% of theoretical capacity. Horsepower directly proportional to volume and weight of material carried in buckets and chain speed.

□ Terminal weight based on average size head shaft. Weight adjustment necessary if thickness of casing is other than listed above. Terminal weight includes loading leg, discharge spout and back-stop but not feed hopper.

CONTINUOUS DISCHARGE — Super Capacity

Style 10 and 11 bucket elevators

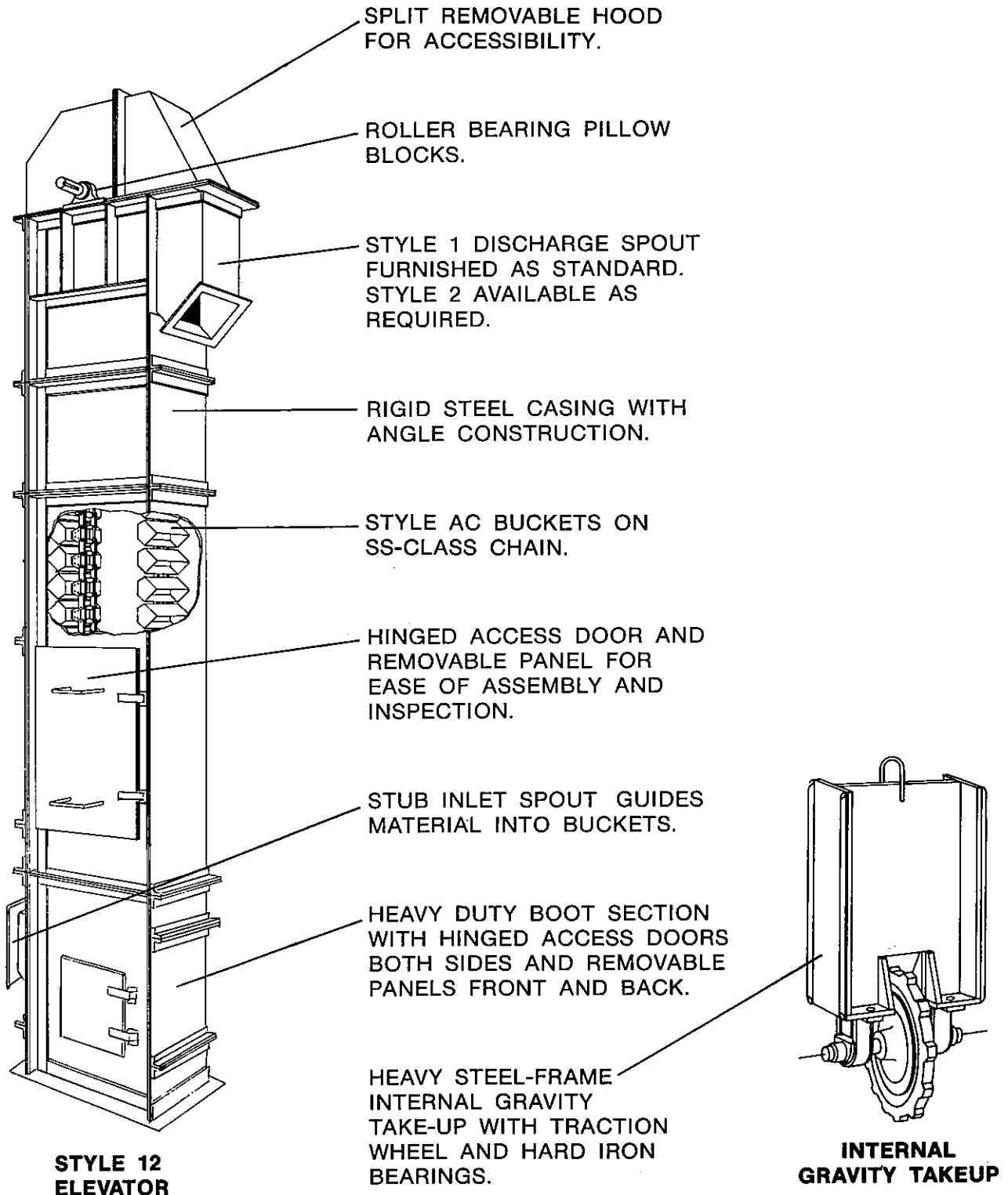


Elevator number	A	B	C	D	E	F	G	J	K	M	P	R	S	T	X	AA	AB	AC
BE1001	26	54	30 3/8	2	27	45 3/4	31	35 3/4	10	34	14 7/8	24	45 5/8	9	57	3/4	35	36 1/2
BE1002	28	54	32 3/8	2	27	45 3/4	31	35 3/4	12	34	15 7/8	24	47 5/8	9	57	3/4	35	36 1/2
BE1003	30	54	34 3/8	2	27	45 3/4	31	35 3/4	14	34	16 7/8	24	49 5/8	9	57	3/4	35	36 1/2
BE1004	32	54	36 3/8	2	27	45 3/4	31	35 3/4	16	34	17 7/8	24	51 5/8	9	57	3/4	35	36 1/2
BE1005	34	54	38 3/8	2	27	45 3/4	31	35 3/4	18	34	18 7/8	24	53 5/8	9	57	3/4	35	36 1/2
BE1006	30	60	35 1/2	2 1/2	30	48 3/4	34	39	14	45	16 7/8	27	52 1/8	12	78	1	38	39 1/2
BE1007	34	60	39 1/2	2 1/2	30	48 3/4	34	39	18	45	18 7/8	27	56 1/8	12	78	1	38	39 1/2
BE1008	38	60	43 1/2	2 1/2	30	48 3/4	34	39	22	45	20 7/8	27	60 1/8	12	78	1	38	39 1/2
BE1009	44	60	49 1/2	2 1/2	30	48 3/4	34	39	28	45	23 7/8	27	66 1/8	12	78	1	38	39 1/2
BE1010	50	60	55 1/2	2 1/2	30	48 3/4	34	39 1/2	34	45	26 7/8	27	72 1/8	12	78	1	38	39 1/2
BE1101	30	60	35 1/2	2 1/2	30	48 3/4	38	37 1/2	14	45	16 7/8	27	52 1/8	12	78	1	38	39 1/2
BE1102	34	60	39 1/2	2 1/2	30	48 3/4	38	37 1/2	18	45	18 7/8	27	56 1/8	12	78	1	38	39 1/2
BE1103	38	60	43 1/2	2 1/2	30	48 3/4	38	37 1/2	22	45	20 7/8	27	60 1/8	12	78	1	38	39 1/2
BE1104	44	60	49 1/2	2 1/2	30	48 3/4	38	37 1/2	28	45	23 7/8	27	66 1/8	12	78	1	38	39 1/2
BE1105	50	60	55 1/2	2 1/2	30	48 3/4	38	37 1/2	34	45	26 7/8	27	72 1/8	12	78	1	38	39 1/2
BE1106	31 1/2	60	37	2 1/2	30	48 3/4	38	37 1/2	14	45	17 5/8	27	53 5/8	12	78	1	38	39 1/2
BE1107	35 1/2	60	41	2 1/2	30	48 3/4	38	37 1/2	18	45	19 5/8	27	57 5/8	12	78	1	38	39 1/2
BE1108	39 1/2	60	45	2 1/2	30	48 3/4	38	37 1/2	22	45	21 5/8	27	61 5/8	12	78	1	38	39 1/2
BE1109	45 1/2	60	51	2 1/2	30	48 3/4	38	37 1/2	28	45	24 5/8	27	67 5/8	12	78	1	38	39 1/2
BE1110	51 1/2	60	57	2 1/2	30	48 3/4	38	37 1/2	34	45	27 5/8	27	73 5/8	12	78	1	38	39 1/2

See Pages 33, 34 and 35 for bolt patterns of intake spout, discharge spout, and intermediate casing.

CENTRIFUGAL DISCHARGE

Style 12 bucket elevator



CENTRIFUGAL DISCHARGE

Style 12 bucket elevator

Elevator number	Type AC buckets		Chain speed, FPM	Maximum lump size, inches		Cubic feet per hour	Capacity Δ				
	Dimensions	Spacing		Percentage of lumps			Tons per hour				
				100	10		Material weight, pounds per cubic foot				
INCHES								50	75	100	125
BE1201	12 x 8	19	255	1 1/2	2	2000	50	75	100	125	
BE1202	16 x 8	18	255	1 1/2	2	2800	70	105	140	175	
BE1203	16 x 8	12	255	1 1/2	2	4200	105	157	210	262	
BE1204	18 x 10	18	250	1 1/2	2 1/2	4600	115	172	230	287	
BE1205	18 x 10	12	250	1 1/2	2 1/2	6900	172	258	345	430	
BE1206	24 x 10	18	250	1 1/2	2 1/2	6350	159	238	317	397	
BE1207	24 x 10	12	250	1 1/2	2 1/2	9500	238	356	475	594	
BE1208	27 x 12	21	250	1 1/2	3	8500	213	319	425	532	
BE1209	27 x 12	14	250	1 1/2	3	12750	318	477	635	795	

Elevator number	Horsepower at head shaft *								Head shaft					
	Material weight, pounds per cubic foot								Sprocket			Traction wheel		
	50		75		100		125		Number of teeth	P.D., inches	RPM	Outside diameter, inches	P.D., inches	RPM
Terminal	Per foot centers	Terminal	Per foot centers	Terminal	Per foot centers	Terminal	Per foot centers							
BE1201	2.07	.068	2.95	.103	3.82	.137	4.69	.171	18	27.41	36	26	27.5	36
BE1202	3.04	.098	4.32	.147	5.61	.196	6.91	.245	14	26.96	36	26	27.75	35
BE1203	4.45	.147	6.38	.220	8.32	.294	10.23	.367	14	26.96	36	26	27.75	35
BE1204	4.92	.157	6.97	.235	9.05	.313	11.12	.392	15	28.86	34	26	28.38	34
BE1205	7.02	.235	10.13	.352	13.25	.469	16.13	.579	15	28.86	34	26	27.75	35
BE1206	6.56	.215	9.40	.322	12.23	.430	15.03	.536	15	28.86	34	26	28.38	34
BE1207	9.68	.322	13.93	.483	18.20	.644	22.40	.805	15	28.86	34	26	28.38	34
BE1208	8.85	.306	12.83	.458	16.75	.610	20.75	.765	13	29.16	33	26	28.38	34
BE1209	13.10	.459	19.05	.687	25.00	.918	31.00	1.148	13	29.16	33	26	28.38	34

Elevator number	Boot shaft					Chain and attachment number	Casing size, inches	Thickness of steel casing				Approx. wt., lbs. □	
	Diameter, inches	Sprocket		Traction wheel				Hood	Head and intermediate	Boot inches	Discharge spout inches	Terminals	Casing, buckets & chain per foot centers, feet
		Number of teeth	P.D., inches	Outside diameter, inches	P.D., inches								
BE1201	2 7/16	16	24.4	22	23.5	SS111-K2	19 3/4 x 55 1/2	12 ga.	10 ga.	1/4	1/4	3015	156
BE1202	2 15/16	13	25.07	22	23.75	SS856-K35	23 3/4 x 55 1/2	12 ga.	10 ga.	1/4	1/4	3325	188
BE1203	2 15/16	13	25.07	22	23.75	SS856-K35	23 3/4 x 55 1/2	12 ga.	10 ga.	1/4	1/4	3390	217
BE1204	2 15/16	13	25.07	22	24.38	SS2859-K44	25 3/4 x 64	12 ga.	10 ga.	1/4	1/4	4255	278
BE1205	2 15/16	13	25.07	22	23.75	SS2857-K44	25 3/4 x 64	12 ga.	10 ga.	1/4	1/4	4455	292
BE1206	2 15/16	13	25.07	22	24.38	SS2859-K44	32 3/4 x 64	12 ga.	10 ga.	1/4	1/4	4880	315
BE1207	2 15/16	13	25.07	22	24.38	SS2859-K44	32 3/4 x 64	12 ga.	10 ga.	1/4	1/4	5105	380
BE1208	2 15/16	11	24.76	22	24.38	SS2864-K44	35 3/4 x 68	12 ga.	10 ga.	1/4	1/4	5340	318
BE1209	2 15/16	11	24.76	22	24.38	SS2864-K44	35 3/4 x 68	12 ga.	10 ga.	1/4	1/4	5875	382

Elevator number	Maximum elevator centers in feet for various head shaft diameters Δ																							
	Material weight, pounds per cubic foot																							
	50					75					100					125								
2 3/16"	2 1/2"	3 3/16"	3 1/2"	4 1/16"	2 7/16"	2 15/16"	3 3/16"	3 1/2"	4 1/16"	2 3/16"	2 15/16"	3 3/16"	3 1/2"	4 1/16"	2 7/16"	2 15/16"	3 3/16"	3 1/2"	4 1/16"					
BE1201	35	60	80	..	..	30	55	80	..	..	25	45	75	80	..	25	45	70	..	..		
BE1202	..	..	60	80	..	..	..	50	75	80	..	..	50	70	80	..	..	45	65	80
BE1203	..	..	40	60	80	..	..	35	55	70	..	..	35	50	60	..	..	30	45	55
3 1/16"	4 1/16"	4 3/16"	5 1/16"	5 3/16"	6 1/2"	3 1/16"	4 1/16"	4 3/16"	5 1/16"	5 3/16"	6 1/2"	3 1/16"	4 1/16"	4 3/16"	5 1/16"	5 3/16"	6 1/2"	3 1/16"	4 1/16"	4 3/16"	5 1/16"	5 3/16"	6 1/2"	
BE1204	45	60	80	40	55	70	80	35	50	65	80	35	50	60	70	80	..	
BE1205	35	55	65	70	30	50	60	30	45	50	30	40	45	
BE1206	..	40	55	70	80	40	50	65	80	35	45	60	75	35	45	55	70	75
BE1207	..	30	40	55	70	75	..	30	35	50	60	65	..	25	30	45	25	30	40	45	50	
BE1208	..	35	40	65	80	35	45	55	70	80	..	30	40	50	60	70	..	25	35	40	50	60
BE1209	..	25	35	45	60	70	..	25	30	40	50	55	..	20	25	35	40	45	..	20	25	30	35	..

Δ Based on buckets filled to 75% of theoretical capacity. Capacity directly proportional to volume and weight of material carried in buckets and chain speed.

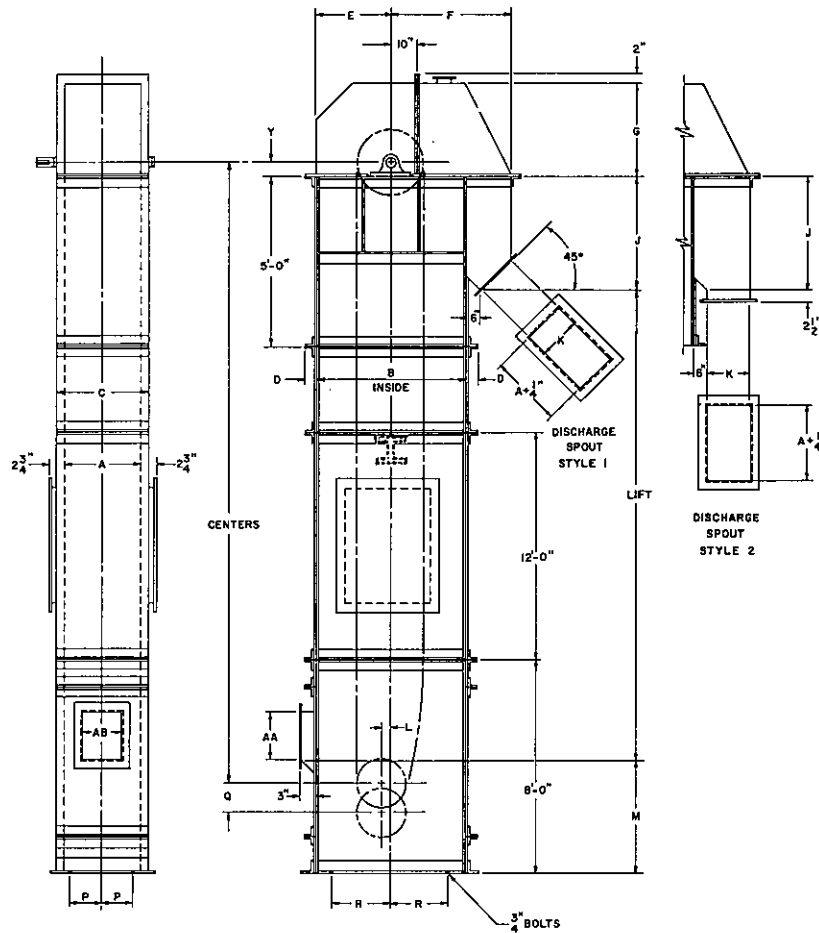
casing shown and includes Style 1 discharge spout but not feed hopper, backstop, backstop support or drive.

□ Terminal weight based on average size head shaft, thickness of

*Based on buckets filled to 100% of theoretical capacity. Horsepower directly proportional to volume and weight of material carried in buckets and chain speed.

CENTRIFUGAL DISCHARGE

Style 12 bucket elevator



Casing size	A	B	C	D	E	F	G	J	K	L	M	P	Q	R	AA	AB
	INCHES															
19 3/4 x 55 1/2	19 3/4	55 1/2	25 1/4	2 1/2	27 3/4	45 3/4	33	44	17	1	52	11 3/8	12	24	16	8
23 3/4 x 55 1/2	23 3/4	55 1/2	29 1/4	2 1/2	27 3/4	45 3/4	33	44	17	1	52	13 3/8	12	24	16	11
25 3/4 x 64	25 3/4	64	32 1/4	3	32	50 3/4	40	48	18	2	57	14 5/8	12	27	20	12
32 3/4 x 64	32 3/4	64	39 1/4	3	32	50 3/4	40	48	18	2	57	18 1/8	12	27	20	16
35 3/4 x 68	35 3/4	68	42 1/4	3	34	52 3/4	41 1/2	50	18	2 1/4	62	19 5/8	14	27	24	18

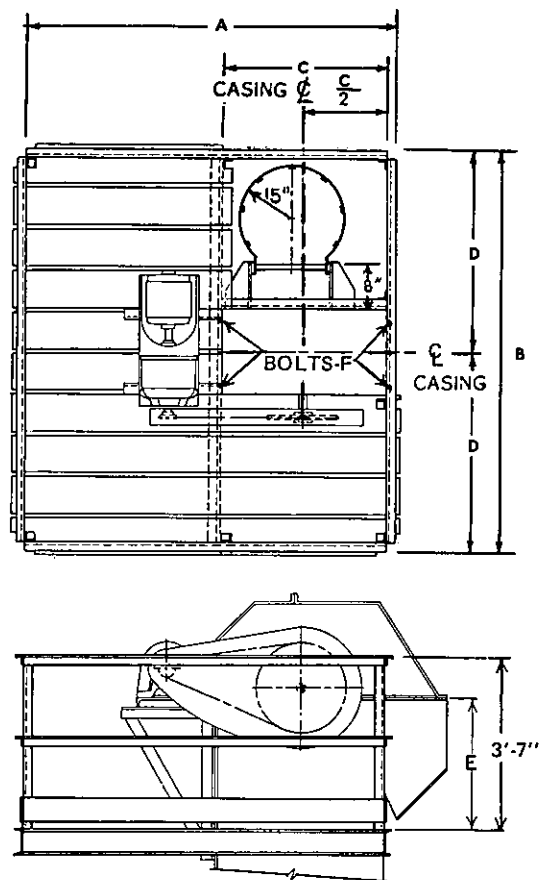
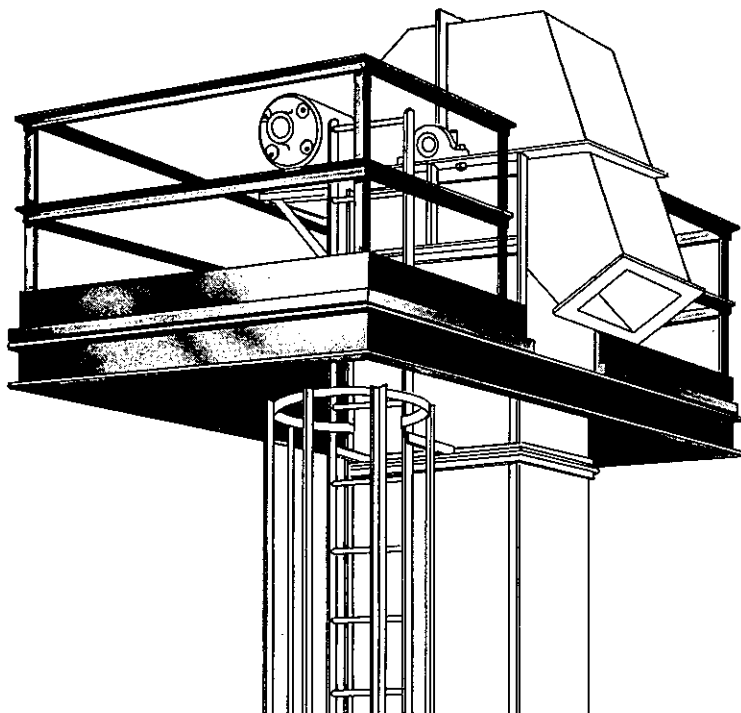
Diameter Head Shaft	2 7/16	2 15/16	3 7/16	3 15/16	4 7/16	4 15/16	5 7/16	5 15/16	6 1/2
'Y' Dim.	2 3/4	3 1/8	3 3/4	4 1/4	4 3/4	5 1/2	6 11/16	6 11/16	7 1/2

Based on Type 'E' roller bearing pillow blocks.

See pages 33, 34 and 35 for bolt patterns of intake spout, discharge spout, and intermediate casing.

SERVICE PLATFORMS

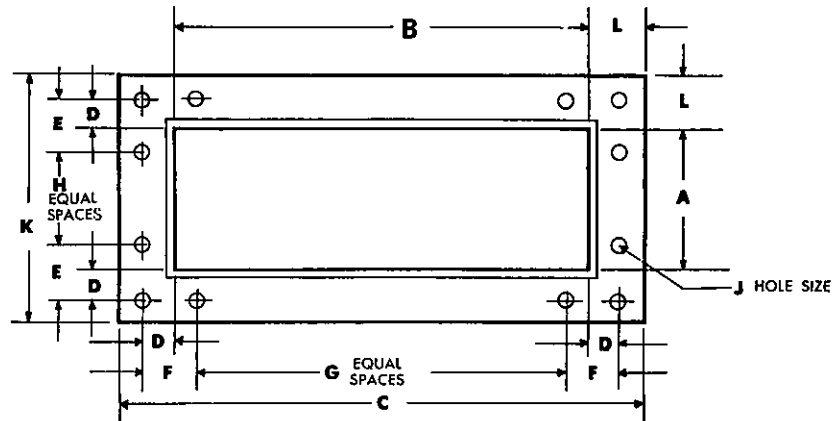
Ladders and safety cages



Note: Ladder opening can be located opposite to that shown.

Elevator casing size inside, inches	Average weight, pounds	A	B	C	D	E			F
						Elevator Type			
						BE100 BE200	BE600	BE700 BE800	
INCHES									
9 3/4 x 35	430	68	76	35 1/4	38	36	..	36	1/2
11 3/4 x 35	435	68	76	35 1/4	38	36	..	36	1/2
11 3/4 x 39	440	72	76	39 1/4	38	36	..	36	1/2
11 3/4 x 42	450	75	76	42 1/4	38	36	..	36	5/8
13 3/4 x 39	445	72	78	39 1/4	39	36	..	36	1/2
13 3/4 x 42	455	75	78	42 1/4	39	36	..	36	5/8
13 3/4 x 48	480	81	80	48 1/4	40	36	..	36	5/8
15 3/4 x 42	480	82	82	42 1/4	41	36	..	36	5/8
15 3/4 x 48	485	81	82	48 1/4	41	36	..	36	5/8
15 3/4 x 54	490	87	82	54 1/4	41	42	..	42	5/8
17 3/4 x 48	487	81	84	48 1/4	42	36	..	36	5/8
17 3/4 x 54	505	87	84	54 1/4	42	42	..	42	5/8
19 3/4 x 48	495	81	86	48 1/4	43	36	..	36	5/8
19 3/4 x 54	515	87	86	54 1/4	43	42	..	42	5/8
20 1/2 x 30	450	63	86 3/4	30 1/4	43 3/8	..	42	..	5/8
21 3/4 x 48	505	81	88	48 1/4	44	36	..	36	5/8
22 1/2 x 30	460	63	88 3/4	30 1/4	44 3/8	..	42	..	5/8
22 3/4 x 54	540	87	89 1/4	54 1/4	44 5/8	42	..	42	5/8
24 1/2 x 30	470	63	90	30 1/4	45	..	42	..	5/8
28 1/2 x 42	520	82	94	42 1/4	47	..	42	..	5/8
30 1/2 x 42	530	82	96	42 1/4	48	..	42	..	5/8
32 1/2 x 42	540	82	98	42 1/4	49	..	42	..	5/8
34 1/2 x 42	550	82	100	42 1/4	50	..	42	..	5/8
38 1/2 x 42	590	82	104	42 1/4	52	..	42	..	5/8

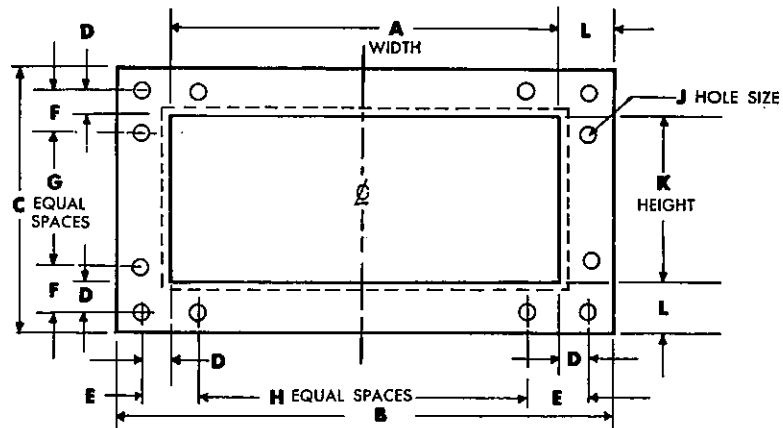
CASING FLANGE



Casing size A x B	K	C	D	E	F	G	H	J	L Nominal
9 3/4 x 35	13	38 1/4	1	2 7/8	3 1/2	5 @ 6	1 @ 6	7/16	1 5/8
11 3/4 x 35	15	38 1/4	1	3 7/8	3 1/2	5 @ 6	1 @ 6	7/16	1 5/8
11 3/4 x 39	15	42 1/4	1	3 7/8	5 1/2	5 @ 6	1 @ 6	7/16	1 5/8
11 3/4 x 42	16	46 1/4	1 1/4	4 1/8	4 1/4	6 @ 6	1 @ 6	7/16	2 1/8
13 3/4 x 39	17	42 1/4	1	4 7/8	5 1/2	5 @ 6	1 @ 6	7/16	1 5/8
13 3/4 x 42	18	46 1/4	1 1/4	5 1/8	4 1/4	6 @ 6	1 @ 6	7/16	2 1/8
13 3/4 x 48	18	52 1/4	1 1/4	5 1/8	4 1/4	7 @ 6	1 @ 6	7/16	2 1/8
15 3/4 x 42	20	46 1/4	1 1/4	6 1/8	4 1/4	6 @ 6	1 @ 6	7/16	2 1/8
15 3/4 x 48	20	52 1/4	1 1/4	6 1/8	4 1/4	7 @ 6	1 @ 6	7/16	2 1/8
15 3/4 x 54	20	58 1/4	1 1/4	6 1/8	4 1/4	8 @ 6	1 @ 6	7/16	2 1/8
17 3/4 x 48	22	52 1/4	1 1/4	4 1/8	4 1/4	7 @ 6	2 @ 6	7/16	2 1/8
17 3/4 x 54	22	58 1/4	1 1/4	4 1/8	4 1/4	8 @ 6	2 @ 6	7/16	2 1/8
19 3/4 x 48	24	52 1/4	1 1/4	5 1/8	4 1/4	7 @ 6	2 @ 6	7/16	2 1/8
19 3/4 x 54	24	58 1/4	1 1/4	5 1/8	4 1/4	8 @ 6	2 @ 6	7/16	2 1/8
21 3/4 x 48	26	52 1/4	1 1/4	6 1/8	4 1/4	7 @ 6	2 @ 6	7/16	2 1/8
22 3/4 x 54	27	58 1/4	1 1/4	3 5/8	4 1/4	8 @ 6	3 @ 6	7/16	2 1/8
20 1/2 x 30	23 3/4	33 1/4	1	5 1/4	4	4 @ 6	2 @ 6	7/16	1 5/8
22 1/2 x 30	25 3/4	33 1/4	1	6 1/4	4	4 @ 6	2 @ 6	7/16	1 5/8
24 1/2 x 30	27 3/4	33 1/4	1	4 1/4	4	4 @ 6	3 @ 6	7/16	1 5/8
28 1/2 x 42	32 3/4	46 1/4	1 1/4	3 1/2	4 1/4	6 @ 6	4 @ 6	7/16	2 1/8
30 1/2 x 42	34 3/4	46 1/4	1 1/4	4 1/2	4 1/4	6 @ 6	4 @ 6	7/16	2 1/8
32 1/2 x 42	36 3/4	46 1/4	1 1/4	5 1/2	4 1/4	6 @ 6	4 @ 6	7/16	2 1/8
34 1/2 x 42	38 3/4	46 1/4	1 1/4	3 1/2	4 1/4	6 @ 6	5 @ 6	7/16	2 1/8
38 1/2 x 42	42 3/4	46 1/4	1 1/4	5 1/2	4 1/4	6 @ 6	5 @ 6	7/16	2 1/8
26 x 54	30 1/4	58 1/4	1 1/4	5 1/4	4 1/4	8 @ 6	3 @ 6	7/16	2 1/8
28 x 54	32 1/4	58 1/4	1 1/4	6 1/4	4 1/4	8 @ 6	3 @ 6	7/16	2 1/8
30 x 54	34 1/4	58 1/4	1 1/4	4 1/4	4 1/4	8 @ 6	4 @ 6	7/16	2 1/8
32 x 54	36 1/4	58 1/4	1 1/4	5 1/4	4 1/4	8 @ 6	4 @ 6	7/16	2 1/8
34 x 54	38 1/4	58 1/4	1 1/4	6 1/4	4 1/4	8 @ 6	4 @ 6	7/16	2 1/8
30 x 60	35 1/4	65 1/4	1 1/2	4 1/2	4 1/2	9 @ 6	4 @ 6	9/16	2 5/8
34 x 60	39 1/4	65 1/4	1 1/2	3 1/2	4 1/2	9 @ 6	5 @ 6	9/16	2 5/8
38 x 60	43 1/4	65 1/4	1 1/2	5 1/2	4 1/2	9 @ 6	5 @ 6	9/16	2 5/8
44 x 60	49 1/4	65 1/4	1 1/2	5 1/2	4 1/2	9 @ 6	6 @ 6	9/16	2 5/8
50 x 60	55 1/4	65 1/4	1 1/2	5 1/2	4 1/2	9 @ 6	7 @ 6	9/16	2 5/8
31 1/2 x 60	36 3/4	65 1/4	1 1/2	5 1/4	4 1/2	9 @ 6	4 @ 6	9/16	2 5/8
35 1/2 x 60	40 3/4	65 1/4	1 1/2	4 1/4	4 1/2	9 @ 6	5 @ 6	9/16	2 5/8
39 1/2 x 60	44 3/4	65 1/4	1 1/2	6 1/4	4 1/2	9 @ 6	5 @ 6	9/16	2 5/8
45 1/2 x 60	50 3/4	65 1/4	1 1/2	6 1/4	4 1/2	9 @ 6	6 @ 6	9/16	2 5/8
51 1/2 x 60	56 3/4	65 1/4	1 1/2	6 1/4	4 1/2	9 @ 6	7 @ 6	9/16	2 5/8
19 3/4 x 55 1/2	25	60 3/4	1 1/2	5 3/8	5 1/4	8 @ 6	2 @ 6	9/16	2 5/8
23 3/4 x 55 1/2	29	60 3/4	1 1/2	4 3/8	5 1/4	8 @ 6	3 @ 6	9/16	2 5/8
25 3/4 x 64	32	70 1/4	1 7/8	5 3/4	3 7/8	10 @ 6	3 @ 6	9/16	3 1/8
32 3/4 x 64	39	70 1/4	1 7/8	6 1/4	3 7/8	10 @ 6	4 @ 6	9/16	3 1/8
35 3/4 x 68	42	74 1/4	1 7/8	4 3/4	5 7/8	10 @ 6	5 @ 6	9/16	3 1/8

HOPPER INLETS* AND DISCHARGES

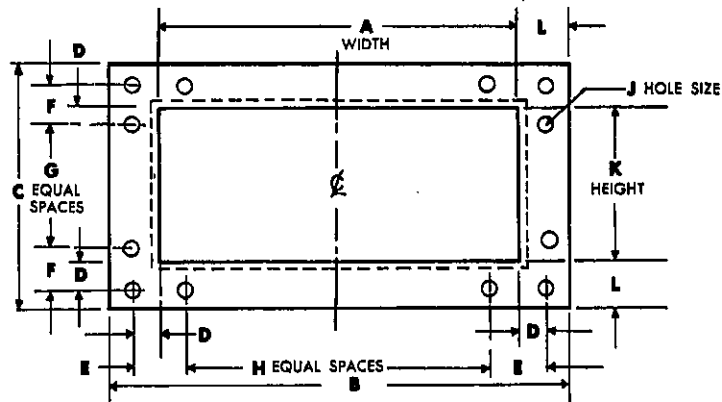
Styles 1 through 9



Opening size A x K	B	C	D	E	F	G	H	J	L
.9 3/4 x 10	13	13 1/4	1	2 7/8	6	..	1 @ 6	7/16	1 5/8
11 3/4 x 10	15	13 1/4	1	3 7/8	6	..	1 @ 6	7/16	1 5/8
11 3/4 x 13	16	17 1/4	1 1/4	4 1/8	4 3/4	1 @ 6	1 @ 6	7/16	2 1/8
13 3/4 x 10	17	13 1/4	1	4 7/8	6	..	1 @ 6	7/16	1 5/8
13 3/4 x 13	18	17 1/4	1 1/4	5 1/8	4 3/4	1 @ 6	1 @ 6	7/16	2 1/8
13 3/4 x 15	18	19 1/4	1 1/4	5 1/8	5 3/4	1 @ 6	1 @ 6	7/16	2 1/8
15 3/4 x 13	20	17 1/4	1 1/4	6 1/8	4 3/4	1 @ 6	1 @ 6	7/16	2 1/8
15 3/4 x 15	20	19 1/4	1 1/4	6 1/8	5 3/4	1 @ 6	1 @ 6	7/16	2 1/8
15 3/4 x 17	20	21 1/4	1 1/4	6 1/8	3 3/4	2 @ 6	1 @ 6	7/16	2 1/8
17 3/4 x 15	22	19 1/4	1 1/4	4 1/8	5 3/4	1 @ 6	2 @ 6	7/16	2 1/8
17 3/4 x 17	22	21 1/4	1 1/4	4 1/8	3 3/4	2 @ 6	2 @ 6	7/16	2 1/8
19 3/4 x 15	24	19 1/4	1 1/4	5 1/8	5 3/4	1 @ 6	2 @ 6	7/16	2 1/8
19 3/4 x 17	24	21 1/4	1 1/4	5 1/8	3 3/4	2 @ 6	2 @ 6	7/16	2 1/8
20 1/2 x 13	23 3/4	16 1/4	1	5 1/4	4 1/2	1 @ 6	2 @ 6	7/16	1 5/8
21 3/4 x 15	26	19 1/4	1 1/4	6 1/8	5 3/4	1 @ 6	2 @ 6	7/16	2 1/8
22 1/2 x 13	25 3/4	16 1/4	1	6 1/4	4 1/2	1 @ 6	2 @ 6	7/16	1 5/8
22 3/4 x 17	27	21 1/4	1 1/4	3 5/8	3 3/4	2 @ 6	3 @ 6	7/16	2 1/8
23 3/4 x 17	29	22 1/4	1 1/2	4 3/8	4	2 @ 6	3 @ 6	9/16	2 5/8
24 1/2 x 13	27 3/4	16 1/4	1	4 1/4	4 1/2	1 @ 6	3 @ 6	7/16	1 5/8
25 3/4 x 18	32	24 1/4	1 7/8	5 3/4	4 3/4	2 @ 6	3 @ 6	9/16	3 1/8
26 x 18	30 1/4	22 1/4	1 1/4	5 1/4	4 1/4	2 @ 6	3 @ 6	7/16	2 1/8
28 x 18	32 1/4	22 1/4	1 1/4	6 1/4	4 1/4	2 @ 6	3 @ 6	7/16	2 1/8
28 1/2 x 17	32 3/4	21 1/4	1 1/4	3 1/2	3 3/4	2 @ 6	4 @ 6	7/16	2 1/8
30 x 18	35 1/4	23 1/4	1 1/2	4 1/2	4 1/2	2 @ 6	4 @ 6	9/16	2 5/8
30 1/2 x 17	34 3/4	21 1/4	1 1/4	4 1/2	3 3/4	2 @ 6	4 @ 6	7/16	2 1/8
31 1/2 x 18	36 3/4	23 1/4	1 1/2	5 1/4	4 1/2	2 @ 6	4 @ 6	9/16	2 5/8
32 x 18	36 1/4	22 1/4	1 1/4	5 1/4	4 1/4	2 @ 6	4 @ 6	7/16	2 1/8
32 1/2 x 17	36 3/4	21 1/4	1 1/4	5 1/2	3 3/4	2 @ 6	4 @ 6	7/16	2 1/8
32 3/4 x 18	39	24 1/4	1 7/8	6 1/4	4 3/4	2 @ 6	4 @ 6	9/16	3 1/8
34 x 18	39 1/4	23 1/4	1 1/2	3 1/2	4 1/2	2 @ 6	5 @ 6	9/16	2 5/8
34 1/2 x 17	38 3/4	21 1/4	1 1/4	3 1/2	3 3/4	2 @ 6	5 @ 6	7/16	2 1/8
35 1/2 x 18	40 3/4	23 1/4	1 1/4	4	4 1/4	2 @ 6	5 @ 6	7/16	2 1/8
35 3/4 x 18	42	24 1/4	1 7/8	4 3/4	4 3/4	2 @ 6	5 @ 6	9/16	3 1/8
38 x 18	43 1/4	23 1/4	1 1/2	5 1/2	4 1/2	2 @ 6	5 @ 6	9/16	2 5/8
38 1/2 x 17	42 3/4	21 1/4	1 1/4	5 1/2	3 3/4	2 @ 6	5 @ 6	7/16	2 1/8
39 1/2 x 18	44 3/4	23 1/4	1 1/2	6 1/4	4 1/2	2 @ 6	5 @ 6	9/16	2 5/8
44 x 18	49 1/4	23 1/4	1 1/2	5 1/2	4 1/2	2 @ 6	6 @ 6	9/16	2 5/8
45 1/2 x 18	50 3/4	23 1/4	1 1/2	6 1/4	4 1/2	2 @ 6	6 @ 6	9/16	2 5/8
50 x 18	55 1/4	23 1/4	1 1/2	5 1/2	4 1/2	2 @ 6	7 @ 6	9/16	2 5/8
51 1/2 x 18	56 3/4	23 1/4	1 1/2	6 1/4	4 1/2	2 @ 6	7 @ 6	9/16	2 5/8

FLANGED STUB INLETS

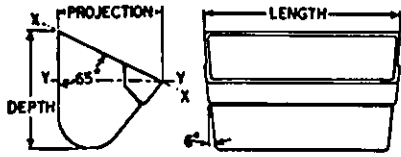
Style 7 through 12



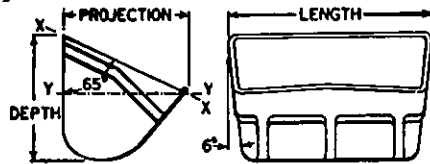
Elevator Style	Opening size A x K width ht.	B	C	D	E	F	G	H	J	L nominal
Style 7 & 9	6 x 12	9 1/4	15 1/4	1	4	4	1 @ 6	..	7/16	1 5/8
	8 x 12	11 1/4	15 1/4	1	5	4	1 @ 6	..	7/16	1 5/8
	8 x 15	12 1/4	19 1/4	1 1/4	5 1/4	5 3/4	1 @ 6	..	7/16	2 1/8
	10 x 15	14 1/4	19 1/4	1 1/4	6 1/4	5 3/4	1 @ 6	..	7/16	2 1/8
	12 x 15	16 1/4	19 1/4	1 1/4	4 1/4	5 3/4	1 @ 6	1 @ 6	7/16	2 1/8
	14 x 15	18 1/4	19 1/4	1 1/4	5 1/4	5 3/4	1 @ 6	1 @ 6	7/16	2 1/8
	16 x 15	20 1/4	19 1/4	1 1/4	6 1/4	5 3/4	1 @ 6	1 @ 6	7/16	2 1/8
Style 10 & 11	10 x 18	14 1/4	22 1/4	1 1/4	6 1/4	4 1/4	2 @ 6	..	7/16	2 1/8
	12 x 18	16 1/4	22 1/4	1 1/4	4 1/4	4 1/4	2 @ 6	1 @ 6	7/16	2 1/8
	14 x 18	18 1/4	22 1/4	1 1/4	5 1/4	4 1/4	2 @ 6	1 @ 6	7/16	2 1/8
	14 x 18	19 1/4	23 1/4	1 1/2	5 1/2	4 1/2	2 @ 6	1 @ 6	9/16	2 5/8
	16 x 18	20 1/4	22 1/4	1 1/4	6 1/4	4 1/4	2 @ 6	1 @ 6	7/16	2 1/8
	16 x 18	21 1/4	23 1/4	1 1/2	3 1/2	4 1/2	2 @ 6	2 @ 6	9/16	2 5/8
	18 x 18	22 1/4	22 1/4	1 1/4	4 1/4	4 1/4	2 @ 6	2 @ 6	7/16	2 1/8
	18 x 18	23 1/4	23 1/4	1 1/2	4 1/2	4 1/2	2 @ 6	2 @ 6	9/16	2 5/8
	22 x 18	27 1/4	23 1/4	1 1/2	3 1/2	4 1/2	2 @ 6	3 @ 6	9/16	2 5/8
	28 x 18	33 1/4	23 1/4	1 1/2	3 1/2	4 1/2	2 @ 6	4 @ 6	9/16	2 5/8
	34 x 18	39 1/4	23 1/4	1 1/2	3 1/2	4 1/2	2 @ 6	5 @ 6	9/16	2 5/8
Style 12	8 x 16	13 1/4	21 1/4	1 1/2	5 1/2	3 1/2	2 @ 6	..	9/16	2 5/8
	11 x 16	16 1/4	21 1/4	1 1/2	4	3 1/2	2 @ 6	1 @ 6	9/16	2 5/8
	12 x 20	18 1/4	26 1/4	1 7/8	4 7/8	5 7/8	2 @ 6	1 @ 6	9/16	3 1/8
	16 x 20	22 1/4	26 1/4	1 7/8	3 7/8	5 7/8	2 @ 6	2 @ 6	9/16	3 1/8
	18 x 24	24 1/4	30 1/4	1 7/8	4 7/8	4 7/8	3 @ 6	2 @ 6	9/16	3 1/8

ELEVATOR BUCKETS

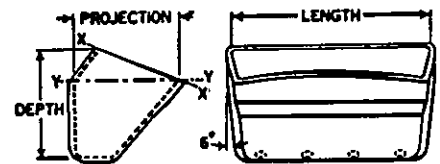
Style AA



Style AA-RB



Style AC



Bucket size, inches			Wt. Lbs.	Capacity, cubic feet ▲	
Lgth.	Proj.	Depth		Filled to line X-X	Filled to line Y-Y
4	2 1/4	3	1.0	.01	.006
5	3 1/2	3 3/4	1.5	.02	.012
6	4	4 1/4	2.7	.03	.018
7	4 1/2	5	3.1	.05	.030
8	5	5 1/2	4.8	.07	.042
10	6	6 1/4	7.7	.12	.072
11	6	6 1/4	8.1	.13	.075
12	6	6 1/4	9.4	.14	.084
12	7	7 1/4	12.0	.19	.114
14	7	7 1/4	13.9	.23	.138
14	8	8 1/2	18.5	.30	.180
15	7	7 1/4	15.9	.27	.148
16	7	7 1/4	15.9	.27	.162
16	8	8 1/2	21.8	.34	.204
18	8	8 1/2	23.5	.39	.234
18	10	10 1/2	34.4	.61	.366
20	8	8 1/2	25.7	.43	.258
24	8	8 1/2	30.5	.51	.306

With reinforced lips and sides, except 4", 5" and 7".

Bucket size, inches			Wt. Lbs.	Capacity, cubic feet ▲	
Lgth.	Proj.	Depth.		Filled to line X-X	Filled to line Y-Y
8	5	5 1/2	5.3	.07	.042
10	6	6 1/4	8.5	.12	.072
12	6	6 1/4	10.4	.14	.084
12	7	7 1/4	13.8	.19	.114
14	7	7 1/4	16.0	.23	.138
14	8	8 1/2	22.0	.30	.180
16	7	7 1/4	18.1	.27	.162
16	8	8 1/2	25.4	.34	.204
18	8	8 1/2	29.5	.39	.230
18	10	10 1/2	43.0	.565	.336

with reinforced lip and reinforced ribs on vertical front face for heavy service.

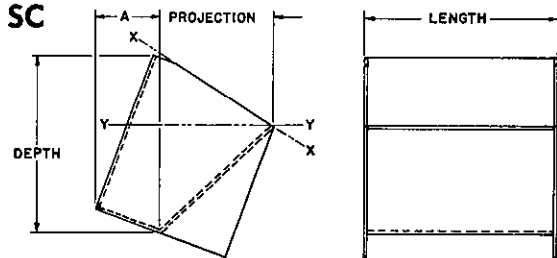
Bucket size, inches			Wt. Lbs.	Capacity, cubic feet ▲	
Lgth.	Proj.	Depth		Filled to line X-X	Filled to line Y-Y
12	8	8 1/2	28	.28	.21
16	8	8 1/2	34	.38	.28
18	10	10 1/2	52	.62	.49
24	10	10 1/2	72	.85	.68
27*	12	12 1/8	80	1.44	1.02

*Available in Fabricated Steel Only.

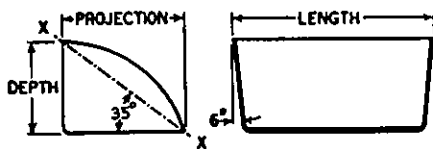
★ For Mounting on Chain. They have thick wide reinforced lip along the front edge and around the front corners for resistance to distortion. The high front increases capacity. The hood and back permits closer spacing.

Air Pressure release holes assure faster loading and clean unloading of materials.

STYLE SC



Style C



Bucket size, inches			Wt. Lbs.	Capacity cubic feet, filled to line X-X ▲
Lgth.	Proj.	Depth.		
6	4 1/2	4	2.0	.026
8	4 1/2	4	2.8	.035
10	5	4	4.0	.052
12	5	4	4.8	.061
14	7	5 1/2	8.5	.138
16	7	5 1/2	10.5	.158

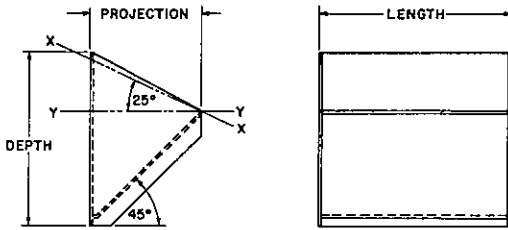
Designed for Finely Pulverized or Wet Materials That Would Stick or Pack in Other Style Buckets.

BUCKET SIZE, INCHES			A INCHES	WEIGHT, POUNDS				CAPACITY CUBIC FEET	
Length	Projection	Depth		10 Gauge Steel	3/16" Steel	1/4" Steel	5/16" Steel	Filled to line X-X	Filled to line Y-Y
12	8-3/4	11-5/8	4-9/16	22	29	39	49	.54	.35
14	8-3/4	11-5/8	4-9/16	23	31	41	51	.63	.41
16	8-3/4	11-5/8	4-9/16	25	34	45	56	.72	.46
16	12	17-5/8	6-1/2	43	58	76	95	1.55	1.11
18	8-3/4	11-5/8	4-9/16	27	36	48	60	.81	.52
20	8-3/4	11-5/8	4-9/16	29	39	52	65	.90	.58
20	12	17-5/8	6-1/2	49	67	88	110	1.94	1.40
24	12	17-5/8	6-1/2	55	75	104	130	2.33	1.68
30	12	17-5/8	6-1/2	65	88	117	146	2.91	2.11
36	12	17-5/8	6-1/2	73	99	132	165	3.49	2.53

▲ Actual capacity depends on angle of repose of material being handled.

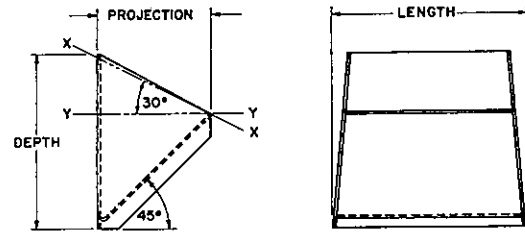
ELEVATOR BUCKETS

Style HF



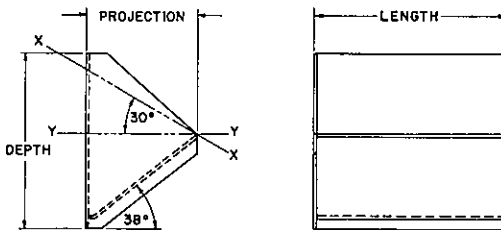
BUCKET SIZE, INCHES			WEIGHT, POUNDS				CAPACITY, CUBIC FEET	
Length	Projection	Depth	12 Gauge Steel	10 Gauge Steel	3/16" Steel	1/4" Steel	Filled to line XX	Filled to line YY
8	5	7-3/4	4.9	6.2	8.5	..	.080	.052
10	5	7-3/4	5.7	7.3	10.0	..	.100	.065
10	6	9-1/4	7.2	9.1	12.6	..	.145	.098
10	7	11-5/8	9.1	11.6	16.0	20.9	.190	.130
12	6	9-1/4	8.3	10.4	14.4	..	.175	.115
12	7	11-5/8	10.3	13.2	18.2	23.9	.240	.155
12	8	11-5/8	11.3	14.3	20.0	26.0	.295	.205
14	7	11-5/8	11.5	14.8	20.4	26.7	.280	.184
14	8	11-5/8	12.6	16.0	22.4	28.1	.350	.240
16	8	11-5/8	13.9	17.7	24.7	32.2	.395	.275
16	12	17-5/8	..	30.3	41.9	55.0	.900	.635
18	10	15	..	26.2	36.1	47.7	.720	.485
20	12	17-5/8	..	35.1	49.1	64.6	1.150	.800
24	12	17-5/8	..	40.5	56.3	74.3	1.335	.960

Style HFO



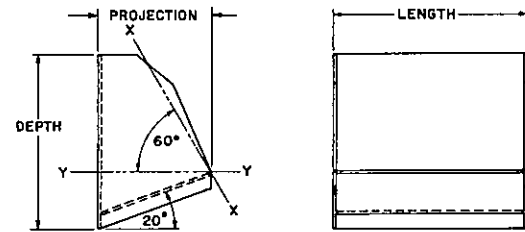
Bucket size, inches			Weight, pounds				Capacity, cubic feet	
Length	Projection	Depth	12 gauge steel	10 gauge steel	3/16" steel	1/4" steel	Filled to line XX	Filled to line YY
8	5	8 1/2	5.1	6.5	8.9	..	.089	.059
10	5	8 1/2	5.9	7.6	10.5	..	.112	.077
10	6	10	7.5	9.5	13.1	..	.162	.108
10	7	12 1/2	9.6	12.3	16.7	..	.227	.150
12	6	10	8.6	10.8	15.0	..	.193	.126
12	7	12 1/2	10.8	14.0	19.0	..	.275	.182
12	8	12 1/2	11.8	15.0	20.5	27.1	.320	.200
14	7	12 1/2	12.1	15.7	21.3	..	.333	.224
14	8	12 1/2	13.1	16.8	22.9	30.4	.386	.246
16	8	12 1/2	14.5	18.6	25.2	33.6	.425	.265
16	12	18 5/8	..	31.1	43.0	56.8	.962	.605
20	12	18 5/8	..	36.4	50.4	66.6	1.203	.755
24	12	18 5/8	..	41.7	57.8	76.4	1.444	.905

Style MF



BUCKET SIZE, INCHES			WEIGHT, POUNDS				CAPACITY, CUBIC FEET	
Length	Projection	Depth	12 Gauge Steel	10 Gauge Steel	3/16" Steel	1/4" Steel	Filled to line XX	Filled to line YY
8	5	7-3/4	5.1	6.3	8.7	..	.070	.040
9	6	9-1/4	6.7	8.6	11.9	..	.118	.068
10	5	7-3/4	5.9	7.4	10.2	..	.090	.050
10	6	9-1/4	7.2	9.2	12.7	..	.130	.075
10	7	11-5/8	9.3	11.9	16.5	..	.180	.103
10	8	11-5/8	9.9	12.8	17.8	23.2	.235	.135
11	6	9-1/4	7.7	9.9	13.6	..	.145	.081
12	6	9-1/4	8.1	10.5	14.5	..	.155	.091
12	7	11-5/8	10.4	13.4	18.6	..	.218	.125
12	8	11-5/8	11.2	14.4	20.0	26.1	.275	.163
14	7	11-5/8	11.6	14.9	20.7	..	.253	.145
14	8	11-5/8	12.4	16.0	22.2	29.1	.325	.190
16	8	11-5/8	13.7	17.6	24.5	32.0	.375	.220
16	12	17-5/8	..	29.9	40.6	54.8	.852	.490
18	8	11-5/8	14.9	19.2	26.7	35.0	.420	.250
18	10	15	..	25.9	36.1	47.3	.662	.379
20	8	11-5/8	16.1	20.8	29.0	38.0	.470	.270
20	12	17-5/8	..	34.8	48.5	63.9	1.075	.620
24	10	11-5/8	..	27.4	38.2	50.0	.850	.512
24	12	17-5/8	..	39.8	55.4	73.1	1.295	.745

Style LF

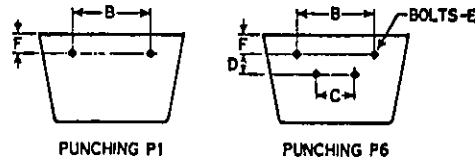


Bucket size, inches			Weight, pounds				Capacity, cubic feet	
Length	Projection	Depth	12 gauge steel	10 gauge steel	3/16" steel	1/4" steel	Filled to line XX	Filled to line YY
10	6	9 1/4	6.8	8.8	12.1	..	.168	.035
10	7	11 5/8	8.5	10.8	15.1	..	.242	.050
12	6	9 1/4	7.8	10.0	13.8	..	.201	.042
12	7	11 5/8	9.6	12.3	17.1	..	.302	.060
12	8	11 5/8	11.2	14.4	20.1	..	.347	.075
14	7	11 5/8	10.7	13.7	19.1	..	.345	.070
16	8	11 5/8	13.6	17.4	24.3	..	.463	.101
16	12	17 5/8	..	29.3	40.7	53.6	1.093	.229
18	10	15	..	25.4	35.0	46.5	.940	.183
20	8	11 5/8	15.9	20.5	28.5	..	.573	.126
20	12	17 5/8	..	33.9	47.1	62.0	1.365	.287
24	12	17 5/8	..	38.5	53.5	70.5	1.643	.346

■ Unpunched steel buckets with intermittent welded joints normally furnished. Buckets with continuous welded joints can also be furnished.

▲ Actual capacity depends on angle of repose of material being handled.

CENTRIFUGAL BUCKET PUNCHING FOR CHAINS



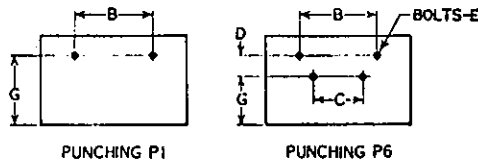
Centrifugal discharge elevator buckets on K1 and K2 attachments

Chain and attachment number	Nominal bucket size, inches						Punching	B	C	D	E	F
	Style A		Styles AA and AA-RB		Style C							
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum						
25-K1	4x2 ³ / ₄	4x2 ³ / ₄	..	..	..	..	P1	1 ¹ / ₄	..	..	1 ¹ / ₈	1 ¹ / ₂
32-K1	4x2 ³ / ₄	5x3 ¹ / ₂	..	..	..	..	P1	1 ³ / ₄	..	..	3 ¹ / ₁₆	1 ¹ / ₂
34-K1	4x2 ³ / ₄	5x3 ¹ / ₂	..	..	..	..	P1	1 ¹¹ / ₁₆	..	..	3 ¹ / ₁₆	1 ¹ / ₂
SS39-K1	6x4	12x6	6x4	12x6	6x4 ¹ / ₂	12x5	P1	3 ³ / ₄	..	..	3 ¹ / ₁₆	1 ¹ / ₂
SS39-K2	6x4	12x6	6x4	12x6	6x4 ¹ / ₂	12x5	P6	3 ³ / ₃₂	3 ³ / ₃₂	1 ¹ / ₈	3 ¹ / ₁₆	7 ¹ / ₈
42-K1	4x2 ³ / ₄	6x4	6x4	6x4	6x4 ¹ / ₂	6x4 ¹ / ₂	P1	2	..	..	3 ¹ / ₁₆	1 ¹ / ₂
45-K1	4x2 ³ / ₄	6x4	6x4	6x4	6x4 ¹ / ₂	6x4 ¹ / ₂	P1	2	..	..	3 ¹ / ₁₆	1 ¹ / ₂
51-K1	4x2 ³ / ₄	5x3 ¹ / ₂	..	..	..	..	P1	1 ¹ / ₄	..	..	3 ¹ / ₁₆	1 ¹ / ₂
52-K1	5x3 ¹ / ₂	8x5	6x4	8x5	6x4 ¹ / ₂	8x4 ¹ / ₂	P1	2 ³ / ₈	..	..	3 ¹ / ₁₆	1 ¹ / ₂
55-K1	4x2 ³ / ₄	6x4	6x4	6x4	6x4 ¹ / ₂	6x4 ¹ / ₂	P1	2	..	..	3 ¹ / ₁₆	1 ¹ / ₂
C55-K1	4x2 ³ / ₄	6x4	6x4	6x4	6x4 ¹ / ₂	6x4 ¹ / ₂	P1	2	..	..	3 ¹ / ₁₆	1 ¹ / ₂
57-K1	5x3 ¹ / ₂	10x6	6x4	10x6	6x4 ¹ / ₂	10x5	P1	3	..	..	1 ¹ / ₄	1 ¹ / ₂
C60-K1	5x3 ¹ / ₂	10x6	6x4	10x6	6x4 ¹ / ₂	10x5	P1	3	..	..	5 ¹ / ₁₆	3 ¹ / ₄
H60-K1	5x3 ¹ / ₂	10x6	6x4	10x6	6x4 ¹ / ₂	10x5	P1	3	..	..	5 ¹ / ₁₆	3 ¹ / ₄
62-K1	5x3 ¹ / ₂	8x5	6x4	8x5	6x4 ¹ / ₂	8x4 ¹ / ₂	P1	2 ³ / ₈	..	..	1 ¹ / ₄	1
67-K1	5x3 ¹ / ₂	10x6	6x4	10x6	6x4 ¹ / ₂	10x5	P1	3	..	..	1 ¹ / ₄	1
H74-K1	5x3 ¹ / ₂	10x6	6x4	10x6	6x4 ¹ / ₂	10x5	P1	2 ¹ / ₁₆	..	..	3 ¹ / ₁₆	3 ¹ / ₄
75-K1	5x3 ¹ / ₂	10x6	6x4	10x6	6x4 ¹ / ₂	10x5	P1	2 ¹³ / ₁₆	..	..	1 ¹ / ₄	1
H75-K1	5x3 ¹ / ₂	10x6	6x4	10x6	6x4 ¹ / ₂	10x5	P1	2 ¹³ / ₁₆	..	..	3 ¹ / ₁₆	1
77-K1	5x3 ¹ / ₂	10x6	6x4	10x6	6x4 ¹ / ₂	10x5	P1	3	..	..	1 ¹ / ₄	1
77-K2	5x3 ¹ / ₂	10x6	6x4	10x6	6x4 ¹ / ₂	10x5	P6	3	3	13 ¹ / ₁₆	1 ¹ / ₄	1
C77-K1	5x3 ¹ / ₂	10x6	6x4	10x6	6x4 ¹ / ₂	10x5	P1	3	..	..	1 ¹ / ₄	1
78-K1	6x4	11x6	6x4	10x6	6x4 ¹ / ₂	10x5	P1	3 ³ / ₈	..	..	1 ¹ / ₄	3 ¹ / ₄
H78-K1	6x4	12x6	6x4	12x6	6x4 ¹ / ₂	12x5	P1	4	..	..	3 ¹ / ₈	1
H78-K2	6x4	12x6	6x4	12x6	6x4 ¹ / ₂	12x5	P6	4	4	1 ¹ / ₈	3 ¹ / ₈	5 ¹ / ₈
H79-K1	6x4	12x6	6x4	12x6	6x4 ¹ / ₂	12x5	P1	4	..	..	3 ¹ / ₈	1 ¹ / ₈
H82-K1	7x4 ¹ / ₂	12x6	8x5	12x6	8x4 ¹ / ₂	12x5	P1	4 ³ / ₁₆	..	..	3 ¹ / ₈	1
H82-K2	7x4 ¹ / ₂	14x7	8x5	14x7	8x4 ¹ / ₂	14x7	P6	4 ¹ / ₄	4 ¹ / ₄	1 ³ / ₁₆	3 ¹ / ₈	3 ¹ / ₄
88-K1	6x4	12x6	6x4	12x6	6x4 ¹ / ₂	12x5	P1	3 ¹³ / ₁₆	..	..	5 ¹ / ₁₆	3 ¹ / ₄
95-K2	8x5	16x7	8x5	16x7	8x4 ¹ / ₂	16x7	P6	5 ¹ / ₁₆	5 ¹ / ₁₆	1 ¹ / ₄	3 ¹ / ₈	3 ¹ / ₄
SS96-K2	10x6	14x8	10x6	14x8	10x5	14x7	P6	4 ³ / ₈	4 ³ / ₈	3	1 ¹ / ₄	1 ³ / ₈
C102B-K2	8x5	16x7	8x5	16x7	8x4 ¹ / ₂	16x7	P6	5 ¹ / ₁₆	5 ¹ / ₁₆	1 ¹ / ₄	3 ¹ / ₈	3 ¹ / ₄
SS102B-K2	8x5	16x7	8x5	16x7	8x4 ¹ / ₂	16x7	P6	5 ¹ / ₁₆	5 ¹ / ₁₆	1 ¹ / ₄	3 ¹ / ₈	3 ¹ / ₄
C102 ¹ / ₂ -K2	8x5	16x7	8x5	16x7	8x4 ¹ / ₂	16x7	P6	5 ¹ / ₁₆	5 ¹ / ₁₆	1 ¹ / ₄	1 ¹ / ₂	3 ¹ / ₄
SS102 ¹ / ₂ -K2	8x5	16x7	8x5	16x7	8x4 ¹ / ₂	16x7	P6	5 ¹ / ₁₆	5 ¹ / ₁₆	1 ¹ / ₄	1 ¹ / ₂	3 ¹ / ₄
103-K1	7x4 ¹ / ₂	12x6	8x5	12x6	8x4 ¹ / ₂	12x5	P1	4 ³ / ₈	..	..	1 ¹ / ₂	1
103-K2	7x4 ¹ / ₂	12x6	8x5	12x6	8x4 ¹ / ₂	12x5	P6	4 ¹ / ₈	4 ¹ / ₈	1 ¹ / ₈	1 ¹ / ₂	3 ¹ / ₄
C110-K2	8x5	16x8	8x5	16x8	8x4 ¹ / ₂	16x7	P6	5 ¹ / ₁₆	5 ¹ / ₁₆	1 ¹ / ₄	3 ¹ / ₈	7 ¹ / ₈
SS110-K2	8x5	16x8	8x5	16x8	8x4 ¹ / ₂	16x7	P6	5 ¹ / ₁₆	5 ¹ / ₁₆	1 ¹ / ₄	3 ¹ / ₈	3 ¹ / ₄
C111-K2	10x6	18x8	10x6	18x8	10x5	16x7	P6	6 ¹ / ₄	6 ¹ / ₄	2 ¹ / ₁₆	5 ¹ / ₁₆	3 ¹ / ₄
SS111-K2	10x6	18x8	10x6	18x8	10x5	16x7	P6	6 ¹ / ₄	6 ¹ / ₄	2 ¹ / ₁₆	1 ¹ / ₂	3 ¹ / ₄
124-K1	9x6	18x8	10x6	18x8	10x5	16x7	P1	6	..	..	5 ¹ / ₈	1 ¹ / ₄
124-K2	8x5	16x7	8x5	16x7	8x4 ¹ / ₂	16x7	P6	5 ¹ / ₄	5 ¹ / ₄	1 ¹ / ₁₆	3 ¹ / ₈	7 ¹ / ₈
H124-K2	8x5	16x7	8x5	16x7	8x4 ¹ / ₂	16x7	P6	5 ¹ / ₄	5 ¹ / ₄	1 ¹ / ₁₆	3 ¹ / ₈	7 ¹ / ₈
SS131-K2	7x4 ¹ / ₂	12x6	8x5	12x6	8x4 ¹ / ₂	12x5	P6	4 ¹ / ₈	4 ¹ / ₈	1 ¹ / ₂	1 ¹ / ₂	1
C131-K1	7x4 ¹ / ₂	12x6	8x5	12x6	8x4 ¹ / ₂	12x5	P1	4 ¹ / ₈	..	..	3 ¹ / ₈	1
C131-K2	7x4 ¹ / ₂	12x6	8x5	12x6	8x4 ¹ / ₂	12x5	P6	4 ¹ / ₈	..	..	3 ¹ / ₈	1
C132-K2	11x6	18x10	12x6	20x8	10x5	16x7	P6	7 ¹ / ₂	7 ¹ / ₂	2 ³ / ₄	1 ¹ / ₂	1
145-K1	4x2 ³ / ₄	6x4	6x4	6x4	6x4 ¹ / ₂	6x4 ¹ / ₂	P1	2	..	..	3 ¹ / ₁₆	5 ¹ / ₈
SS150 Plus-K2	11x6	18x10	12x6	20x8	10x5	16x7	P6	7 ¹ / ₂	7 ¹ / ₂	2 ³ / ₄	1 ¹ / ₂	1
C188-K1	6x4	12x6	6x4	12x6	6x4 ¹ / ₂	12x5	P1	3 ¹ / ₄	..	..	3 ¹ / ₁₆	1
C188-K2	7x4 ¹ / ₂	14x7	8x5	14x7	8x4 ¹ / ₂	14x7	P6	4 ³ / ₁₆	4 ³ / ₁₆	1 ¹ / ₄	3 ¹ / ₁₆	3 ¹ / ₄

CONTINUOUS AND CENTRIFUGAL BUCKET PUNCHING FOR CHAINS

Centrifugal discharge elevator buckets on K1 and K2 attachments (continued)

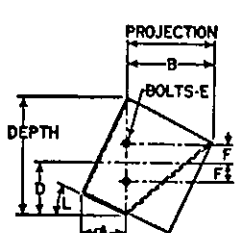
Chain and attachment number	Nominal bucket size, inches						Punching	B	C	D	E	F
	Style A		Styles AA and AA-RB		Style C							
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum						
SS188-K1	6x4	12x6	6x4	12x6	6x4½	12x5	P1	3¼	..	..	¾	1
SS188-K2	7x4½	14x7	8x5	14x7	8x4½	14x7	P6	4¾	4¾	1¼	¾	¾
445-K1	4x2¾	6x4	6x4	6x4	6x4½	6x4½	P1	2½	..	..	¾	¾
452-K1	4x2¾	6x4	6x4	6x4	6x4½	6x4½	P1	2½	..	..	¾	¾
455-K1	4x2¾	6x4	6x4	6x4	6x4½	6x4½	P1	2	..	..	¼	¾
462-K1	5x3½	8x5	6x4	8x5	6x4½	8x4½	P1	2½	..	..	¼	¾
467-K1	5x3½	10x6	6x4	10x6	6x4½	10x5	P1	3	..	..	¼	¾
477-K1	5x3½	10x6	6x4	10x6	6x4½	10x5	P1	3	..	..	¼	1
483-K1	6x4	11x6	6x4	10x6	6x4½	10x5	P1	3¼	..	..	¾	1
488-K1	6x4	12x6	6x4	12x6	6x4½	12x5	P1	3¾	..	..	¼	1
488-K2	6x4	12x6	6x4	12x6	6x4½	12x5	P6	3¾	3¾	1¼	¾	¾
710-K2	10x6	18x8	10x6	18x8	10x5	16x7	P6	6¼	6¼	2½	¾	¾
730-K2	10x6	18x10	10x6	18x10	10x5	16x7	P6	6	6	2½	½	1
823-K2	8x5	16x7	8x5	16x7	8x4½	16x7	P6	5¼	5¼	1½	¾	¾
825-K2	10x6	18x8	10x6	18x8	10x5	16x7	P6	6	6	2½	½	¾
830-K2	10x6	18x10	10x6	18x10	10x5	16x7	P6	6	6	2½	½	¾
844-K2	10x6	18x10	10x6	18x10	10x5	16x7	P6	6	4¾	2¾	½	1
847-K2	14x7	24x8	14x7	24x8	14x7	16x7	P6	9¾	8¾	3½	¾	1¼
SS856-K2	10x6	18x10	10x6	18x10	10x5	16x7	P6	6½	6½	2¼	¾	1
SS1116-K2	6x4	12x7	6x4	12x7	6x4½	12x5	P6	4	4	2	¾	¾
1130-K2	10x6	18x10	10x6	18x10	10x5	16x7	P6	6	6	2½	½	1
1131-K2	10x6	18x10	10x6	18x10	10x5	16x7	P6	6	6	2½	½	1
LXS4019-K1	5x3½	10x6	6x4	10x6	6x4½	10x5	P1	2¾	..	..	¾	1¾
LXS4019-K2	5x3½	10x6	6x4	10x6	6x4½	10x5	P6	2¾	2¾	1½	¾	¾
4103-K1	7x4½	12x6	8x5	12x6	8x4½	12x5	P1	4¾	4¾	1½	¾	1
4103-K2	7x4½	12x6	8x5	12x6	8x4½	12x5	P6	4¾	4¾	1½	¾	1
4124-K1	9x6	18x8	10x6	18x8	8x4½	16x7	P1	6	..	..	¾	1½
4124-K2	8x5	16x7	8x5	16x7	8x4½	16x7	P6	5	5	1¾	¾	1
LXS6238-K2	7x4½	14x8	8x5	14x8	8x4½	14x7	P6	4¼	4¼	2½	½	1½



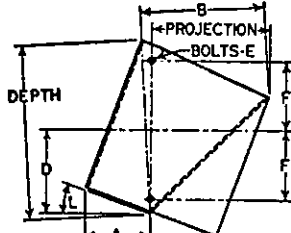
Continuous elevator buckets on K1 and K2 attachments

Chain and attachment number	Bucket size, inches								Punching	B	C	D	E	G
	Style HF		Style HFO		Style MF		Style LF							
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum						
SS96-K2	10x7	14x8	10x7	14x8	10x7	14x8	10x7	12x8	P6	4¾	4¾	3	½	2¾
C102B-K2	8x5	10x5	8x5	10x5	8x5	10x5	..	..	P6	5¾	5¾	1¾	¾	1¾
SS102B-K2	8x5	10x5	8x5	10x5	8x5	10x5	..	..	P6	5¾	5¾	1¾	¾	1¾
C102½-K2	8x5	10x5	8x5	10x5	8x5	10x5	..	..	P6	5¾	5¾	1¾	½	1¾
SS102½-K2	8x5	10x5	8x5	10x5	8x5	10x5	..	..	P6	5¾	5¾	1¾	½	1¾
C110-K2	10x7	16x8	10x7	16x8	10x7	18x8	10x7	16x8	P6	5¾	5¾	1¾	¾	3¾
SS110-K2	10x7	16x8	10x7	16x8	10x7	18x8	10x7	16x8	P6	5¾	5¾	1¾	¾	3¾
C111-K2	10x6	12x6	10x6	12x6	10x6	12x6	10x6	12x6	P6	6¼	6¼	2½	½	2¾
SS111-K2	10x6	12x6	10x6	12x6	10x6	12x6	10x6	12x6	P6	6¼	6¼	2½	½	2¾
C132-K2	10x7	16x8	10x7	16x8	12x7	20x8	12x7	20x8	P6	7½	7½	2¾	½	2¾
SS150 Plus -K2	10x7	16x8	10x7	16x8	12x7	20x8	12x7	20x8	P6	7½	7½	2¾	½	2¾
823-K2	8x5	10x5	8x5	10x5	8x5	10x5	..	..	P6	5¼	5¼	1½	¾	1¾
825-K2	8x5	10x5	8x5	10x5	8x5	10x5	..	..	P6	6	6	2½	½	1¾
830-K2	10x7	16x8	10x7	16x8	10x7	18x8	10x7	16x8	P6	6	6	2½	¾	2½
844-K2	10x7	16x8	10x7	16x8	10x7	18x8	10x7	16x8	P6	6	4¾	2¾	½	2¾
847-K2	12x7	16x8	12x7	16x8	14x7	20x8	14x7	20x8	P6	9¾	8¾	3½	¾	3½
SS856-K2	10x7	16x8	10x7	16x8	12x7	20x8	12x7	20x8	P6	6½	6½	2¼	¾	3½
SS1116-K2	10x7	14x8	10x7	14x8	10x7	14x8	10x7	12x8	P6	4	4	2	¾	3¼
LXS4019-K1	8x5	10x5	8x5	10x5	8x5	10x5	..	..	P1	2¾	..	..	¾	2¾
LXS4019-K2	8x5	10x5	8x5	10x5	8x5	10x5	..	..	P6	2¾	2¾	1½	¾	2
LXS6238-K2	10x7	14x8	10x7	14x8	10x7	14x8	10x7	12x8	P6	4¼	4¼	2½	½	2¾

SUPER CAPACITY AND CENTRIFUGAL BUCKET PUNCHING FOR CHAINS



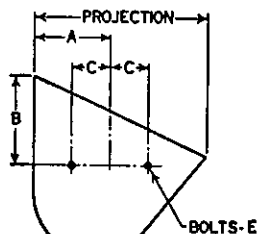
G6 ATTACHMENT



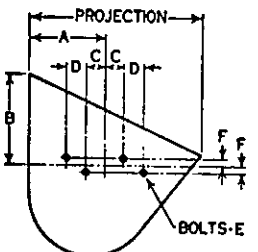
G100 ATTACHMENT

Style SC continuous elevator buckets on G6 and G100 attachments

Chain and number attachment	Bucket size, inches		A	B	D	E	F	L
	Projection	Depth						
SS4850-G6*	8 ³ / ₄	11 ⁵ / ₈	4 ¹ / ₁₆	8 ³ / ₄	5 ¹ / ₄	3 ¹ / ₄	1 ⁷ / ₈	25
SS4851-G100	12	17 ⁵ / ₈	6 ¹ / ₂	12 ⁵ / ₈	8 ¹ / ₂	5 ⁵ / ₈	7	20
SS4852-G100	12	17 ⁵ / ₈	6 ¹ / ₂	12 ⁵ / ₈	8 ¹ / ₂	5 ⁵ / ₈	7	20



G1 ATTACHMENT



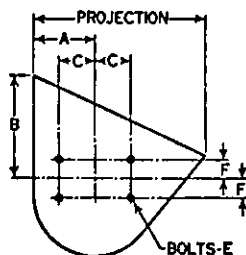
G6 ATTACHMENT

Centrifugal discharge elevator buckets on G1 and G6 attachments

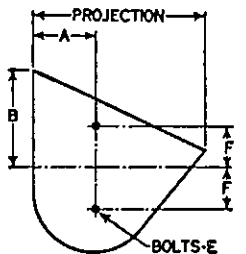
Chain and attachment number	Nominal bucket projection, inches ▲		C	D	E	F
	Style A	Style AA				
45-G1	2 ³ / ₄	..	1 ¹ / ₃₂	..	3 ¹ / ₁₆	..
52-G1	2 ³ / ₄	..	1 ¹ / ₃₂	..	3 ¹ / ₁₆	..
62-G1	5	6	1	..	1 ¹ / ₄	..
77-G6	6	6	5 ⁵ / ₈	3 ¹ / ₁₆	1 ¹ / ₄	1 ¹ / ₄
H78-G1	6	7	1 ¹ / ₁₆	..	1 ¹ / ₄	..
88-G6 ■	6	10	2 ⁷ / ₈	2 ¹ / ₃₂	1 ¹ / ₄	9 ¹ / ₃₂
C102B-G6	10	10	1 ¹ / ₁₆	1 ¹ / ₁₆	3 ¹ / ₈	3 ¹ / ₁₆
C110-G6	10	10	1 ¹ / ₁₆	1 ¹ / ₁₆	3 ¹ / ₈	3 ¹ / ₁₆
C111-G6	10	10	1 ¹ / ₁₆	1 ¹ / ₁₆	3 ¹ / ₈	15 ¹ / ₃₂
C111SP-G6	10	10	1 ¹ / ₁₆	1 ¹ / ₁₆	3 ¹ / ₈	15 ¹ / ₃₂
C131-G6 ■	6	10	2 ¹ / ₃₂	1 ¹ / ₁₆	3 ¹ / ₈	9 ¹ / ₃₂
C188-G6 ■	6	10	2 ¹ / ₃₂	1 ¹ / ₁₆	1 ¹ / ₄	9 ¹ / ₃₂
462-G1	5	6	1	..	1 ¹ / ₄	..
477-G1	6	7	1 ¹ / ₁₆	..	3 ¹ / ₁₆	..
488-G6 ■	6	10	2 ¹ / ₃₂	1 ¹ / ₁₆	1 ¹ / ₄	9 ¹ / ₃₂
730-G6	10	10	1 ³ / ₄	..	3 ¹ / ₈	5 ¹ / ₈
825-G6	10	10	1 ³ / ₄	..	3 ¹ / ₈	5 ¹ / ₈
830-G6	10	10	1 ³ / ₄	..	3 ¹ / ₈	5 ¹ / ₈
4103-G6 ■	6	10	2 ¹ / ₃₂	1 ¹ / ₁₆	3 ¹ / ₈	9 ¹ / ₃₂

Nominal bucket projection, inches	Styles A and AA	
	A	B
	INCHES	
2 ³ / ₄	1 ³ / ₁₆	1 ⁵ / ₈
3 ¹ / ₂	1 ³ / ₁₆	1 ⁷ / ₈
4	1 ⁵ / ₈	2 ¹ / ₈
4 ¹ / ₂	1 ¹⁵ / ₁₆	2 ¹ / ₂
5	2	2 ⁵ / ₈
6	2 ⁵ / ₈	3 ¹ / ₈
7	2 ¹ / ₂	3 ³ / ₄
8	2 ⁵ / ₈	4 ⁷ / ₈
10	3 ³ / ₄	5 ⁵ / ₈

Centrifugal discharge elevator buckets on A and B wing attachments



A ATTACHMENT



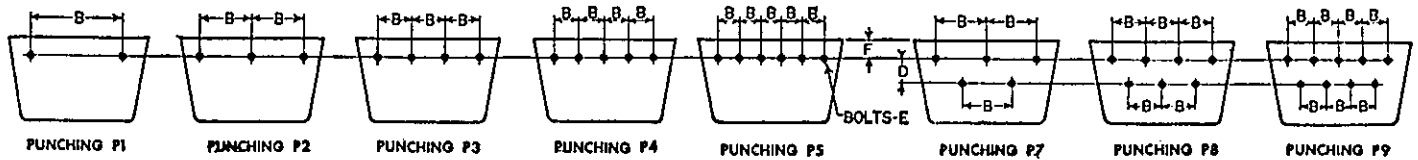
B ATTACHMENT

Wing number	Nominal bucket projection, inches	Style A		Style AA		Style B		Style C		Style SC		C	E	F
		A	B	A	B	A	B	A	B	A	B			
		INCHES												
2A	10	3 ³ / ₄	5 ⁵ / ₈	3 ³ / ₄	5 ⁵ / ₈	..	..	..	..	..	..	2	1 ¹ / ₂	1 ⁵ / ₈
3A	10	3 ³ / ₄	5 ⁵ / ₈	3 ³ / ₄	5 ⁵ / ₈	..	..	..	..	..	..	2	1 ¹ / ₂	1 ⁵ / ₈
4A	10	3 ³ / ₄	5 ⁵ / ₈	3 ³ / ₄	5 ⁵ / ₈	..	..	..	..	..	..	2	1 ¹ / ₂	1 ⁵ / ₈
5A	5	..	..	..	..	2 ¹ / ₈	5	2	2 ¹ / ₁₆	..	..	1 ³ / ₈	3 ¹ / ₁₆	1 ¹ / ₁₆
	6	2 ⁵ / ₈	4 ³ / ₈	..	..	2 ¹ / ₈	5 ¹ / ₄	..	..	2 ¹ / ₂	2 ³ / ₄	1 ³ / ₈	3 ¹ / ₁₆	1 ¹ / ₁₆
	6 ¹ / ₂	..	..	..	..	2 ¹ / ₈	5 ¹ / ₄	..	..	2 ¹ / ₂	2 ³ / ₄	1 ³ / ₈	3 ¹ / ₁₆	1 ¹ / ₁₆
	7	2 ⁵ / ₈	4	2 ¹ / ₂	4	2 ¹ / ₈	5 ¹ / ₄	2 ⁵ / ₈	2 ³ / ₄	..	..	1 ³ / ₈	3 ¹ / ₁₆	1 ¹ / ₁₆
6A	6 ¹ / ₂	..	..	..	..	2 ³ / ₄	6 ³ / ₈	..	..	..	..	1 ¹¹ / ₁₆	3 ³ / ₈	5 ⁵ / ₈
	7	2 ⁵ / ₈	4	..	..	..	..	2 ³ / ₄	3 ³ / ₈	..	..	1 ¹¹ / ₁₆	3 ³ / ₈	5 ⁵ / ₈
	8	3	4 ¹ / ₂	..	..	..	..	3	3 ³ / ₄	3	3 ³ / ₄	1 ¹¹ / ₁₆	3 ³ / ₈	5 ⁵ / ₈
7A	7	2 ⁵ / ₈	4	..	..	..	..	2 ³ / ₄	3 ³ / ₈	..	..	2	3 ³ / ₈	1 ¹ / ₈
	8	3	4 ¹ / ₂	..	..	..	..	..	..	3	3 ³ / ₄	2	3 ³ / ₈	1 ¹ / ₈
30A	10	3 ³ / ₄	5 ⁵ / ₈	3 ³ / ₄	5 ⁵ / ₈	..	..	..	..	..	..	2	1 ¹ / ₂	1 ³ / ₄
	4 ¹ / ₂	..	..	..	..	..	..	1 ⁷ / ₈	2 ¹ / ₂	..	..	1 ¹ / ₄	3 ¹ / ₁₆	3 ¹ / ₁₆
37A	5	..	..	..	..	..	..	2	2 ¹ / ₁₆	..	..	1 ¹ / ₄	3 ¹ / ₁₆	3 ¹ / ₁₆
	5 ¹ / ₂	..	..	..	..	2 ¹ / ₈	5	..	..	..	..	1 ¹ / ₄	3 ¹ / ₁₆	3 ¹ / ₁₆
	6	2 ¹ / ₂	3 ¹ / ₄	..	..	..	..	..	..	2 ¹ / ₂	2 ³ / ₄	1 ¹ / ₄	3 ¹ / ₁₆	3 ¹ / ₁₆
	6 ¹ / ₂	..	..	..	..	2 ³ / ₄	6 ³ / ₈	..	..	..	..	1 ¹ / ₄	3 ¹ / ₁₆	3 ¹ / ₁₆
39A	7	2 ⁵ / ₈	4	2 ¹ / ₂	4	..	..	..	..	..	..	1 ¹ / ₄	3 ¹ / ₁₆	3 ¹ / ₁₆
	4 ¹ / ₂	..	..	..	..	..	..	1 ⁷ / ₈	2 ¹ / ₂	..	..	1 ¹ / ₁₆	3 ¹ / ₁₆	1 ¹ / ₁₆
	5	2	2 ³ / ₄	..	..	..	..	2	2 ¹ / ₁₆	..	..	1 ¹ / ₁₆	3 ¹ / ₁₆	1 ¹ / ₁₆
	5 ¹ / ₂	..	..	..	..	2 ¹ / ₈	5	..	..	2 ¹ / ₂	2 ³ / ₄	1 ¹ / ₁₆	3 ¹ / ₁₆	1 ¹ / ₁₆
1B	6	2 ¹ / ₂	3 ¹ / ₄	2 ¹ / ₄	3 ¹ / ₄	..	..	..	..	2 ¹ / ₂	2 ³ / ₄	1 ¹ / ₁₆	3 ¹ / ₁₆	1 ¹ / ₁₆
	6 ¹ / ₂	..	..	..	..	2 ¹ / ₈	5	2 ⁵ / ₈	2 ³ / ₄	..	..	1 ¹ / ₁₆	3 ¹ / ₁₆	1 ¹ / ₁₆
	7	2 ⁵ / ₈	4	2 ¹ / ₂	4	..	..	..	..	..	..	1 ¹ / ₁₆	3 ¹ / ₁₆	1 ¹ / ₁₆
	7	2 ⁵ / ₈	4	2 ¹ / ₂	4	2 ¹ / ₄	5	..	..	..	..	1 ¹ / ₁₆	3 ¹ / ₁₆	1 ¹ / ₁₆
2B	6 ¹ / ₂	..	..	..	..	2 ¹ / ₄	5	..	..	..	..	..	1 ¹ / ₂	1 ⁷ / ₈
	7	2 ⁵ / ₈	4	2 ¹ / ₂	4	..	..	1 ¹ / ₂	3 ³ / ₈	..	..	..	1 ¹ / ₂	1 ⁷ / ₈
	8	3	4 ¹ / ₂	2 ⁵ / ₈	4 ¹ / ₂	..	..	..	..	3	3 ³ / ₄	..	1 ¹ / ₂	1 ⁷ / ₈
	10	3 ³ / ₄	5 ⁵ / ₈	3 ³ / ₄	5 ⁵ / ₈	..	..	..	..	..	..	..	1 ¹ / ₂	1 ⁷ / ₈
2B	3 ¹ / ₂	1 ¹ / ₄	2	..	1 ³ / ₈	3 ¹ / ₄	..	..	..	..	..	..	1 ¹ / ₄	7 ¹ / ₈
	4	1 ¹ / ₂	2 ³ / ₈	1 ¹ / ₂	2 ³ / ₈	1 ³ / ₈	3 ¹ / ₄	..	..	..	..	..	1 ¹ / ₄	7 ¹ / ₈
	4 ¹ / ₂	1 ¹ / ₄	2 ³ / ₈	..	..	..	..	1 ¹ / ₄	2 ¹ / ₈	..	..	..	1 ¹ / ₄	7 ¹ / ₈
	5	2	2 ³ / ₄	2	2 ³ / ₄	..	..	2	2 ¹ / ₈	..	..	..	1 ¹ / ₄	7 ¹ / ₈
5 ¹ / ₂	..	..	..	..	2 ¹ / ₈	5	..	..	..	..	..	1 ¹ / ₄	7 ¹ / ₈	

■ Will not fit on Style A buckets with 7" or 8" projection.

▲ Minimum bucket size which will accommodate attachment.

CONTINUOUS AND CENTRIFUGAL BUCKET PUNCHING FOR BELTS



Centrifugal discharge elevator buckets

Nominal bucket size, inches		Punching	Belt width, inches	B	E	F
Length	Projection			Inches		

High Speed Buckets For Style 5 Elevator

3	3	P1	4	1 3/8	1/4	1
4	3	P1	5-6	2 5/16	1/4	1
5	3	P1	6	3 3/16	1/4	1
5	4	P1	6	3 3/16	1/4	1 3/8
6	4	P1	7-8	4 3/8	1/4	1 3/8
7	4	P2	8	2 11/16	1/4	1 3/8
8	4	P2	9-10	3 1/16	1/4	1 3/8
9	4	P2	10	3 5/8	1/4	1 3/8
10	4	P2	11-12	4 1/8	1/4	1 3/8
6	5	P1	7-8	4 3/8	1/4	1 1/2
7	5	P2	8	2 11/16	1/4	1 1/2
8	5	P2	9-10	3 1/16	1/4	1 1/2
9	5	P2	10	3 5/8	1/4	1 1/2
10	5	P2	11-12	4 1/8	1/4	1 1/2
11	5	P3	12	3	1/4	1 1/2
12	5	P3	13-14	3 3/8	1/4	1 1/2
14	5	P4	15-16	3	1/4	1 1/2
16	5	P5	18	2 7/8	1/4	1 1/2
8	6	P2	9-10	3 1/16	1/4	1 3/4
9	6	P2	10	3 5/8	1/4	1 3/4
10	6	P2	11-12	4 1/8	1/4	1 3/4
11	6	P3	12	3	1/4	1 3/4
12	6	P3	13-14	3 3/8	1/4	1 3/4
14	6	P4	15-16	3	1/4	1 3/4
15	6	P4	16	3 1/4	1/4	1 3/4
16	6	P5	18	2 7/8	1/4	1 3/4
18	6	P5	20	3 1/8	1/4	1 3/4
20	6	P5	22	3 1/2	1/4	1 3/4
10	7	P2	11-12	4 1/8	5/16	2
11	7	P3	12	3	5/16	2
12	7	P3	13-14	3 3/8	5/16	2
14	7	P4	15-16	3	5/16	2
15	7	P4	16	3 1/4	5/16	2
16	7	P5	18	2 7/8	5/16	2
18	7	P5	20	3 1/8	5/16	2
20	7	P5	22	3 1/2	5/16	2
22	7	P5	24	4	5/16	2
24	7	P5	26	4 5/8	5/16	2

Styles A, AA, AA-RB, and C buckets

3	..	P1	4	1 3/8	1/4	3/4
4	..	P1	5	2 5/16	1/4	3/4
5	..	P1	6	3 3/16	1/4	1
6	..	P1	7-8	4 3/8	1/4	1
7	..	P2	8	2 1/2	1/4	1
8	..	P7	9-10	3	1/4	7/8
9	..	P7	10	3	1/4	7/8
10	..	P7	11-12	3 1/2	1/4	7/8
11	..	P7	12	4	1/4	7/8
12	..	P7	13-14	4 1/2	1/4	7/8
13	..	P8	14	3 1/2	1/4	7/8
14	..	P8	15-16	4	1/4	7/8
15	..	P8	16	4	1/4	7/8
16	..	P8	18	4 1/2	1/4	7/8
17	..	P8	18	4 1/2	1/4	7/8
18	..	P8	20	5	1/4	7/8
19	..	P9	20	4	1/4	7/8
20	..	P9	22	4	1/4	7/8
21	..	P9	22	4 1/2	1/4	7/8
22	..	P9	24	4 1/2	1/4	7/8
23	..	P9	24	5	1/4	7/8
24	..	P9	26	5	1/4	7/8

Continuous elevator buckets • Styles HF, HFO, MF and LF

Bucket size, inches			Punching	Belt width, inches	B	D	E	F	Bucket size, inches			Punching	Belt width, inches	B	D	E	F	Bucket size, Length			Punching	Belt width, inches	B	D	E	F
Length	Pro-jection	Depth			Inches				Length	Pro-jection	Depth			Inches				Length	Pro-jection	Depth			Inches			
8	5	7 3/4	P7	9-10	3	1	1/4	3 3/8	12	6	10	P7	13-14	4 1/2	1	1/4	4 1/2	16	8	12 1/2	P8	18	4 1/2	1	1/4	5 3/4
8	5	8 1/2	P7	9-10	3	1	1/4	3 3/4	12	7	11 5/8	P7	13-14	4 1/2	1	1/4	5 5/16	16	12	17 5/8	P8	18	4 1/2	1	1/4	8 5/16
9	6	9 1/4	P7	10	3	1	1/4	4 1/8	12	7	11 3/4	P7	13-14	4 1/2	1	1/4	5 3/8	16	12	18 3/8	P8	18	4 1/2	1	1/4	8 13/16
10	5	7 3/4	P7	11-12	3 1/2	1	1/4	3 3/8	12	7	12 1/2	P7	13-14	4 1/2	1	1/4	5 3/4	18	8	11 5/8	P8	20	5	1	1/4	5 1/16
10	5	8 1/2	P7	11-12	3 1/2	1	1/4	3 3/4	12	8	11 5/8	P7	13-14	4 1/2	1	1/4	5 5/16	18	10	15	P8	20	5	1	1/4	7
10	6	9 1/4	P7	11-12	3 1/2	1	1/4	4 1/8	12	8	12 1/2	P7	13-14	4 1/2	1	1/4	5 3/4	20	8	11 5/8	P9	22	4	1	1/4	5 5/16
10	6	10	P7	11-12	3 1/2	1	1/4	4 1/2	14	7	11 5/8	P8	15-16	4	1	1/4	5 3/4	20	12	17 5/8	P9	22	4	1	1/4	8 3/16
10	7	11 5/8	P7	11-12	3 1/2	1	1/4	5 1/16	14	7	12 1/2	P8	15-16	4	1	1/4	5 3/4	20	12	18 3/8	P9	22	4	1	1/4	8 13/16
10	7	12 1/2	P7	11-12	3 1/2	1	1/4	5 3/4	14	8	11 5/8	P8	15-16	4	1	1/4	5 5/16	24	10	11 5/8	P9	26	5	1	1/4	5 5/16
10	8	11 5/8	P7	11-12	3 1/2	1	1/4	5 1/16	14	8	11 3/4	P8	15-16	4	1	1/4	5 3/8	24	12	17 5/8	P9	26	5	1	1/4	8 3/16
11	6	9 1/4	P7	12	4	1	1/4	4 1/8	14	8	12 1/2	P8	15-16	4	1	1/4	5 3/4	24	12	18 3/8	P9	26	5	1	1/4	8 3/16
12	5	7 3/4	P7	13-14	4 1/2	1	1/4	3 3/8	16	7	11 3/4	P8	18	4 1/2	1	1/4	5 3/8	24	12	18 5/8	P9	26	5	1	1/4	8 13/16
12	6	9 1/4	P7	13-14	4 1/2	1	1/4	4 1/8	16	8	11 5/8	P8	18	4 1/2	1	1/4	5 5/16	24	12	18 5/8	P9	26	5	1	1/4	8 13/16

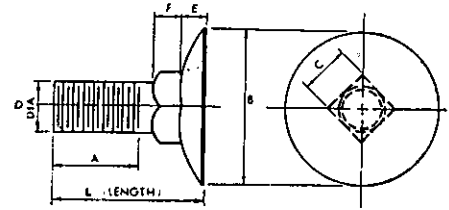
▲ Use punching listed for Style A buckets when handling lumpy material.

ELEVATOR BUCKET BOLTS AND WASHERS



NORWAY FLATHEAD

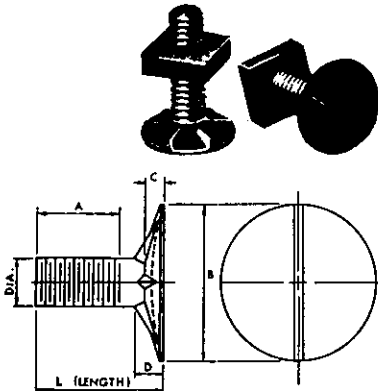
Norway Flathead Bolts are for elevators where large, heavy buckets are used, and for belts 4-Ply or thicker, with bolt centers 2 3/4" or greater. Their heads are large, countersunk and properly finished to minimize belt wear.



Bolt Size Diameter & Length	A Thread Length	B Dia.	C Square	E	F
1/4 x 3/4	7/16	31/32	1/4	5/64	1/8
1/4 x 7/8	9/16	31/32	1/4	5/64	1/8
1/4 x 1	11/16	31/32	1/4	5/64	1/8
1/4 x 1-1/4	7/8	31/32	1/4	5/64	1/8
1/4 x 1-1/2	1-1/16	31/32	1/4	5/64	1/8
1/4 x 1-3/4	1 1/4	31/32	1/4	5/64	1/8
1/4 x 2	1-1/4	31/32	1/4	5/64	1/8
5/16 x 3/4	7/16	1-3/16	5/16	3/32	5/32
5/16 x 7/8	1/2	1-3/16	5/16	3/32	5/32
5/16 x 1	5/8	1-3/16	5/16	3/32	5/32
5/16 x 1-1/4	7/8	1-3/16	5/16	3/32	5/32
5/16 x 1-1/2	1	1-3/16	5/16	3/32	5/32
5/16 x 1-3/4	1-3/16	1-3/16	5/16	3/32	5/32
5/16 x 2	1-3/16	1-3/16	5/16	3/32	5/32
5/16 x 2-1/4	1-1/4	1-3/16	5/16	3/32	5/32
5/16 x 2-1/2	1-1/4	1-3/16	5/16	3/32	5/32
3/8 x 1	9/16	1-5/16	3/8	1/8	3/16
3/8 x 1-1/4	13/16	1-5/16	3/8	1/8	3/16
3/8 x 1-1/2	1	1-5/16	3/8	1/8	3/16
3/8 x 1-3/4	1-1/8	1-5/16	3/8	1/8	3/16
3/8 x 2	1-1/4	1-5/16	3/8	1/8	3/16
3/8 x 2-1/4	1-1/4	1-5/16	3/8	1/8	3/16
3/8 x 2-1/2	1-1/4	1-5/16	3/8	1/8	3/16

RELIANCE SLOTTED HEAD

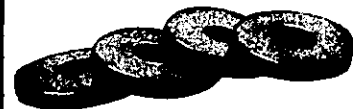
Recommended wherever light woven cotton belting 3 ply or lighter, or small buckets are used; also for bolt centers 2 3/4" or less. Designed so corrugations under head grip belt.



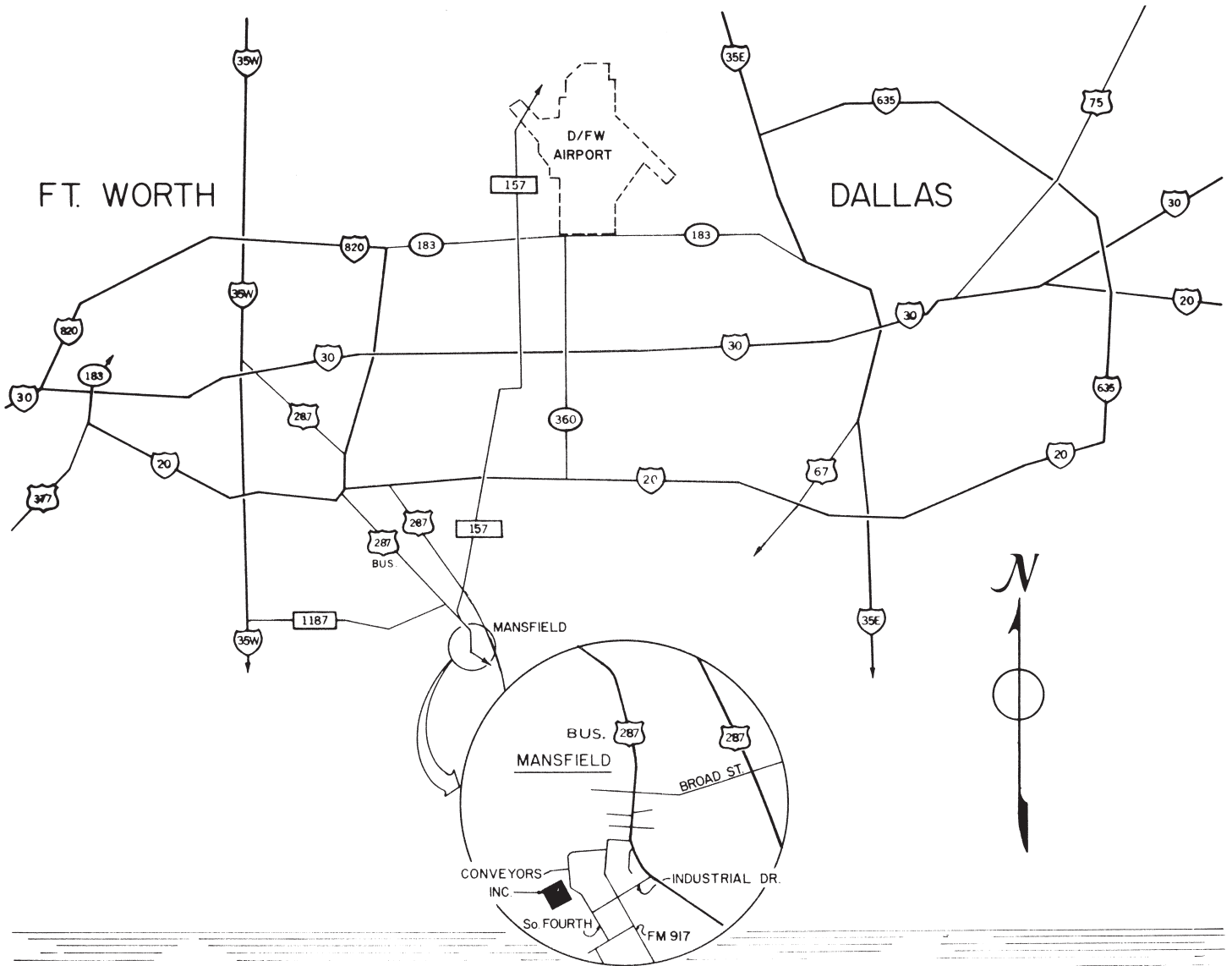
Bolt Size Diameter & Length	THREAD LENGTH			
	A	B	C	D
1/4 x 1/2	7/32	23/32	3/32	11/64
1/4 x 5/8	5/16	23/32	3/32	11/64
1/4 x 3/4	7/16	23/32	3/32	11/64
1/4 x 7/8	9/16	23/32	3/32	11/64
1/4 x 1-1/4	7/8	23/32	3/32	11/64
1/4 x 1-1/2	1-1/16	23/32	3/32	11/64



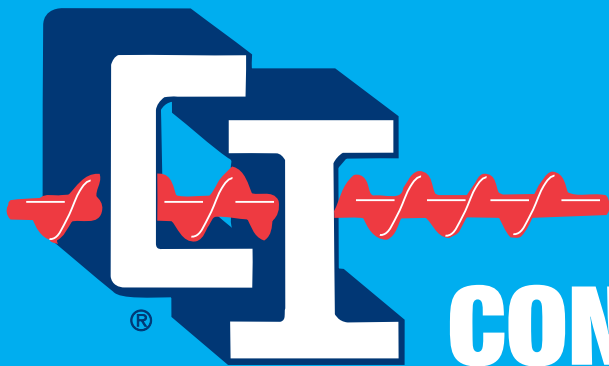
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