

The success of Ward's products and their ongoing evolution is credited to intensive research and development. Continually seeking the new idea or design that will take our product quality and your performance to a whole new level. Our customers, suppliers, and experts in the field are all an integral part of the research and development process.

Our expertise, coupled with your industry experience results in the perfect solution. Don't waste your maintenance hours by purchasing catalogue equipment that misses the endurance factors you need for your application.

Whether it's a quote on a new unit, replacement parts, or servicing needed, we put you first, ensuring no time is lost in getting you the solution you need.

Standard Centrifugal Belt or Chain Bucket Elevator

Model number	Suffix	Bucket Size (x, y, z)	Belt Width (in.)	Bucket Capacity		Elevator Capacity CFH	Rate @		Head Section				Pulley Offset K (inch)	Casing		Boot Section		
				Gross Cu. Ft.	Net Cu. Ft.		50 lbs./cu.ft. STPH	100 lbs./cu.ft. STPH	A	D	H	J		L	M	N	R	
Single Row Elevators																		
CD 533	*	5 x 3 1/2 x 3 3/4 "A"	6	0.018	0.014	190	4.8	9.5	3'-10 3/4"	3'-5"	1'-0"	1'-11 1/2"	2"	2'-11"	11.0	5'-4"	3'-1"	
CD 64	*	6 x 4 x 4 1/4 "A"	7	0.030	0.023	280	7.0	14.0	3'-10 3/4"	3'-5"	1'-0"	1'-11 1/2"	2"	2'-11"	11.0	5'-4"	3'-1"	
CD 85	*	8 x 5 x 5 1/2	9	0.068	0.051	734	18.4	36.7	4'-3 1/2"	3'-6 1/4"	1'-0"	2'-1"	2"	3'-2"	14.0	5'-6"	3'-1"	
CD 106	*	10 x 6 x 6 1/4	11	0.119	0.089	1,078	26.9	53.9	4'-4"	3'-8 1/4"	1'-0"	2'-2"	3"	3'-4"	16.0	5'-6"	3'-1"	
CD 127	*	12 x 7 x 7 1/4	13	0.194	0.146	1,746	43.7	87.3	5'-4"	4'-7"	1'-1"	2'-10"	3"	4'-0"	18.0	6'-0"	3'-4"	
CD 147	*	14 x 7 x 7 1/4	15	0.226	0.170	2,034	50.9	101.7	5'-4"	4'-7"	1'-1"	2'-10"	3"	4'-0"	20.0	6'-0"	3'-4"	
CD 148	*	14 x 8 x 8 1/2	15	0.297	0.223	2,673	66.8	133.7	5'-4"	4'-7"	1'-1"	2'-10"	3"	4'-0"	20.0	6'-0"	3'-4"	
CD 168	*	16 x 8 x 8 1/2	18	0.339	0.254	3,051	76.3	152.6	5'-4"	4'-7"	1'-1"	2'-10"	3"	4'-0"	22.0	6'-0"	3'-4"	
CD 188	*	18 x 8 x 8 1/2	20	0.381	0.286	3,429	85.7	171.5	5'-4"	4'-7"	1'-1"	2'-10"	3"	4'-0"	24.0	6'-0"	3'-4"	
CD 208	*	20 x 8 x 8 1/2	22	0.423	0.317	3,807	95.2	190.4	5'-4"	4'-7"	1'-1"	2'-10"	3"	4'-0"	26.0	6'-0"	3'-4"	
CD 248	*	24 x 8 x 8 1/2	26	0.495	0.371	4,455	111.4	222.8	5'-4"	4'-7"	1'-1"	2'-10"	3"	4'-0"	30.0	6'-0"	3'-4"	
CD 1810	*	18 x 10 x 10 1/2	20	0.565	0.424	4,794	119.9	239.7	6'-0"	5'-5"	1'-3"	3'-3"	3"	4'-10"	24.0	6'-5"	3'-4"	
CD 2010	*	20 x 10 x 10 1/2	22	0.628	0.471	5,329	133.2	266.5	6'-0"	5'-5"	1'-3"	3'-3"	3"	4'-10"	26.0	6'-5"	3'-4"	
CD 2410	*	24 x 10 x 10 1/2	26	0.753	0.565	6,390	159.7	319.5	6'-0"	5'-5"	1'-3"	3'-3"	3"	4'-10"	30.0	6'-5"	3'-4"	
Double Row Elevators																		
DCD 148	*	(2) x 14 x 8 x 8 1/2	30	0.297	0.180	4,320	108.0	216.0	5'-4"	4'-7"	1'-1"	2'-10"	3"	4'-0"	34.0	6'-0"	3'-4"	
DCD 168	*	(2) x 16 x 8 x 8 1/2	34	0.339	0.204	4,896	122.4	244.8	5'-4"	4'-7"	1'-1"	2'-10"	3"	4'-0"	38.0	6'-0"	3'-4"	
DCD 188	*	(2) x 18 x 8 x 8 1/2	38	0.381	0.234	5,616	140.4	280.8	5'-4"	4'-7"	1'-1"	2'-10"	3"	4'-0"	42.0	6'-0"	3'-4"	
DCD 208	*	(2) x 20 x 8 x 8 1/2	42	0.423	0.258	6,192	154.8	309.6	5'-4"	4'-7"	1'-1"	2'-10"	3"	4'-0"	46.0	6'-0"	3'-4"	
DCD 248	*	(2) x 24 x 8 x 8 1/2	50	0.495	0.306	7,344	183.6	367.2	5'-4"	4'-7"	1'-1"	2'-10"	3"	4'-0"	54.0	6'-0"	3'-4"	
DCD 1810	*	(2) x 18 x 10 x 10 1/2	38	0.565	0.366	8,282	207.1	414.1	6'-0"	5'-5"	1'-3"	3'-3"	3"	4'-10"	42.0	6'-5"	3'-4"	
DCD 2010	*	(2) x 20 x 10 x 10 1/2	42	0.628	0.407	9,210	230.2	460.5	6'-0"	5'-5"	1'-3"	3'-3"	3"	4'-10"	46.0	6'-5"	3'-4"	
DCD 2410	*	(2) x 24 x 10 x 10 1/2	50	0.753	0.488	11,043	276.1	552.1	6'-0"	5'-5"	1'-3"	3'-3"	3"	4'-10"	54.0	6'-5"	3'-4"	

Standard Continuous Belt or Chain Bucket Elevator

Model number	Suffix	Bucket Size (x, y, z)	Belt Width (in.)	Bucket Capacity		Elevator Capacity CFH	Rate @		Head Section				Pulley Offset K (inch)	Casing		Boot Section		
				Gross Cu. Ft.	Net Cu. Ft.		50 lbs./cu.ft. STPH	100 lbs./cu.ft. STPH	A	D	H	J		L	M	N	R	
Single Row Elevators																		
C 85	*	8 x 5 x 7 3/4	9	0.075	0.056	1,010	25.3	50.5	3'-9"	3'-9"	1'-0"	2'-1"	2"	3'-2 1/2"	14.5	6'-6"	3'-3"	
C 1055	*	10 x 5 1/2 x 8 3/4	11	0.114	0.086	1,370	34.3	68.5	4'-0 1/2"	3'-9 5/8"	1'-0"	2'-2"	2"	3'-3 1/2"	16.5	6'-6"	3'-0 1/2"	
C 126	*	12 x 6 x 11 3/4	13	0.165	0.124	1,490	37.3	74.5	4'-0"	3'-10 1/4"	1'-0"	2'-2"	2"	3'-4 1/2"	17.5	6'-6"	3'-0"	
C 88	*	8 x 8 x 11 3/4	9	0.195	0.146	1,760	44.0	88.0	4'-0"	3'-10 1/4"	1'-0"	2'-2"	2"	3'-4 1/2"	18.5	8'-0"	3'-0"	
C 116	*	11 x 6 x 8 3/4	12	0.150	0.113	1,800	45.0	90.0	5'-5"	4'-9"	1'-3"	2'-10"	3"	4'-0 1/2"	14.5	8'-0"	3'-9"	
C 126	*	12 x 6 x 8 3/4	13	0.165	0.124	1,980	49.5	99.0	5'-5"	4'-9"	1'-3"	2'-10"	3"	4'-0 1/2"	16.5	8'-0"	3'-9"	
C 127	*	12 x 7 x 11 3/4	13	0.225	0.169	2,030	50.8	101.5	4'-10"	4'-0 3/4"	1'-0"	2'-5"	3"	3'-8 1/2"	18.5	8'-0"	3'-11"	
C 108	*	10 x 8 x 11 3/4	11	0.246	0.185	2,210	55.3	110.5	5'-6"	4'-7 3/4"	1'-3"	2'-10"	3"	3'-10 1/2"	18.5	8'-0"	3'-10"	
C 147	*	14 x 7 x 11 3/4	15	0.264	0.198	2,380	59.5	119.0	5'-5"	4'-9"	1'-3"	2'-10"	3"	4'-0 1/2"	18.5	8'-0"	3'-9"	
C 128	*	12 x 8 x 11 3/4	13	0.296	0.222	2,660	66.5	133.0	5'-6"	4'-7 3/4"	1'-3"	2'-10"	3"	3'-10 1/2"	20.5	8'-0"	3'-10"	
C 148	*	14 x 8 x 11 3/4	15	0.340	0.255	3,060	76.5	153.0	5'-5"	4'-9"	1'-3"	2'-10"	3"	4'-0 1/2"	20.5	8'-0"	3'-9"	
C 168	*	16 x 8 x 11 3/4	18	0.396	0.297	3,560	89.0	178.0	5'-5"	4'-9"	1'-3"	2'-10"	3"	4'-0 1/2"	22.5	8'-0"	3'-9"	
C 188	*	18 x 8 x 11 3/4	20	0.448	0.336	4,030	100.8	201.5	5'-5"	4'-9"	1'-3"	2'-10"	3"	4'-0 1/2"	24.5	8'-0"	3'-9"	
C 208	*	20 x 8 x 11 3/4	22	0.500	0.375	4,500	112.5	225.0	5'-5"	5'-0"	1'-6"	2'-10"	3"	4'-0 1/2"	26.5	8'-0"	3'-9"	
C 228	*	22 x 8 x 11 3/4	24	0.549	0.412	4,940	123.5	247.0	5'-5"	5'-0"	1'-6"	2'-10"	3"	4'-0 1/2"	28.5	8'-0"	3'-9"	
C 248	*	24 x 8 x 11 3/4	26	0.600	0.450	5,400	135.0	270.0	5'-5"	5'-0"	1'-6"	2'-10"	3"	4'-0 1/2"	30.5	8'-0"	3'-9"	
C 1612	*	16 x 12 x 17 3/4	18	0.900	0.675	5,400	135.0	270.0	6'-11"	5'-10 1/2"	1'-9"	3'-4"	3"	5'-0 1/2"	22.5	10'-0"	4'-3"	
C 2012	*	20 x 12 x 17 3/4	22	1.130	0.848	6,780	169.5	339.0	6'-11"	5'-10 1/2"	1'-9"	3'-4"	3"	5'-0 1/2"	26.5	10'-0"	4'-3"	
C 2412	*	24 x 12 x 17 3/4	26	1.360	1.020	8,160	204.0	408.0	6'-11"	5'-10 1/2"	1'-9"	3'-4"	3"	5'-0 1/2"	30.5	10'-0"	4'-3"	
C 3012	*	30 x 12 x 17 3/4	32	1.710	1.283	10,260	256.5	513.0	6'-11"	5'-10 1/2"	1'-9"	3'-4"	3"	5'-0 1/2"	36.5	10'-0"	4'-3"	
C 3612	*	36 x 12 x 17 3/4	38	2.050	1.538	12,300	307.5	615.0	6'-11"	5'-10 1/2"	1'-9"	3'-4"	3"	5'-0 1/2"	42.5	10'-0"	4'-3"	
C 4212	*	42 x 12 x 17 3/4	44	2.400	1.800	14,400	360.0	720.0	6'-11"	5'-10 1/2"	1'-9"	3'-4"	3"	5'-0 1/2"	48.5	10'-0"	4'-3"	
C 4812	*	48 x 12 x 17 3/4	50	2.740	2.055	16,440	411.0	822.0	6'-11"	5'-10 1/2"	1'-9"	3'-4"	3"	5'-0 1/2"	54.5	10'-0"	4'-3"	
C 4216	*	42 x 16 x 23 3/4	44	4.260	3.195	19,170	479.3	958.5	8'-3"	6'-5 1/2"	2'-0"	3'-8"	3"	5'-8 1/2"	48.5	10'-0"	4'-11"	
C 4816	*	48 x 16 x 23 3/4	50	4.880	3.660	21,960	549.0	1,098.0	8'-3"	6'-5 1/2"	2'-0"	3'-8"	3"	5'-8 1/2"	54.5	10'-0"	4'-11"	
Double Row Elevators																		
DC 168	*	(2) 16 x 8 x 11 3/4	34	0.396	0.246	5,890	147.3	294.5	5'-5"	4'-10"	1'-6"	2'-10"	3"	4'-2 1/2"	38.5	8'-0"	3'-9"	
DC 208	*	(2) 20 x 8 x 11 3/4	42	0.500	0.310	7,440	186.0	372.0	5'-5"	5'-1"	1'-6"	2'-10"	3"	4'-2 1/2"	50.5	8'-0"	3'-9"	
DC 228	*	(2) 22 x 8 x 11 3/4	46	0.549	0.340	8,170	204.3	408.5	5'-5"	5'-1"	1'-6"	2'-10"	3"	4'-2 1/2"	54.5	8'-0"	3'-9"	
DC 1612	*	(2) 16 x 12 x 17 3/4	34	0.900	0.558	8,930	223.3	446.5	6'-11"	5'-11 1/2"	1'-9"	3'-4"	3"	5'-2 1/2"	38.5	10'-0"	4'-3"	
DC 2012	*	(2) 20 x 12 x 17 3/4	42	1.130	0.701	11,210	280.3	560.5	6'-11"	5'-11 1/2"	1'-9"	3'-4"	3"	5'-2 1/2"	46.5	10'-0"	4'-3"	
DC 2412	*	(2) 24 x 12 x 17 3/4	50	1.360	0.843	13,490	337.3	674.5	6'-11"	5'-11 1/2"	1'-9"	3'-4"	3"	5'-2 1/2"	54.5	10'-0"	4'-3"	

Part Number Code

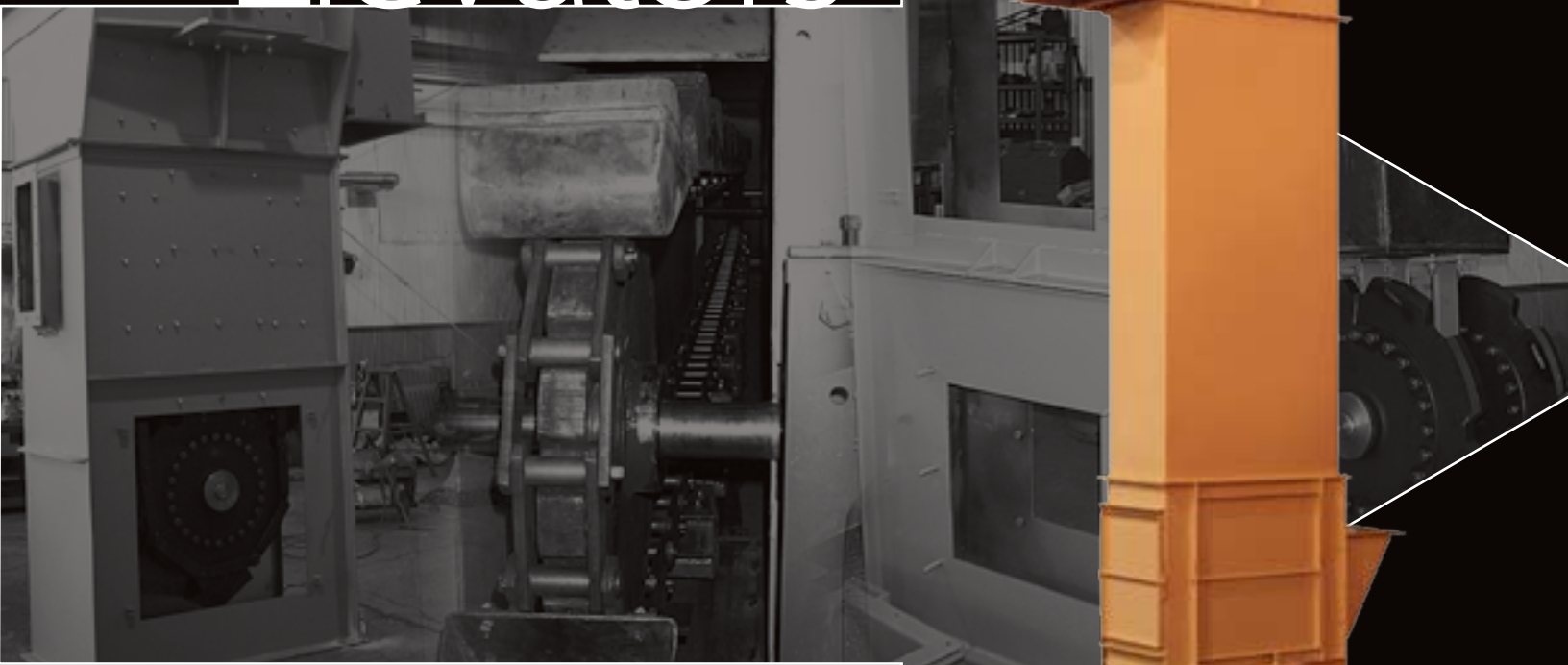
Prefix	Type	Bucket Size	Suffix *
D - double row	CD - Centrifugal Discharge C - Continuous Discharge M - Mill SC - Super Capacity	x * y	B - belt C - chain

Notes: Belt speeds outside of this range 200 to 330 fpm are custom designs
For Mill and Super Capacity elevators, contact our engineering team for details
Table dimensions are based on 6" boot take-up. For other take-up lengths, contact our engineering team.
All tabular information is subject to change without notice.
Actual dimensions will be supplied with your order.



Engineered bulk handling solutions™

Bucket Elevators



Ward Industrial Equipment Ltd.

123 Victoria Street, P.O. Box 511, Welland, Ontario L3B 5R3
Telephone: 905-732-7591 Fax: 905-732-3310
1-888-441-WARD

Ward Has the Solution for You

Whatever your application requires, Ward has the solution for you, with a versatility that can't be matched. We manufacture a complete line of bucket elevators using belts or chains, including centrifugal and continuous discharge designs. Whatever your need is, Ward is driven towards moving you in the right direction.

Standard Models:

- Centrifugal Discharge Belt
- Centrifugal Discharge Chain
- Continuous Discharge Belt
- Continuous Discharge Chain

Application Specific Models:

- Centrifugal Discharge Type "E"
- Mill Type Belt and Chain
- Super Capacity Chain

Special Applications:

In addition to our standard models Ward's engineering department has designed many special application units including:

- Capacities up to 400 MTPH @ 1000 kg/m³
- Drives up to 100KW
- Pulley Centres up to 45 metres
- High temperature Service up to 650 c
- Fixed Boot Pulley & Head Take-up
- Counterweight Take-ups (Internal & External types)
- Access Ladders & Platforms
- Lifting Beams & Hoists
- Steel, Aluminum & Stainless Steel Casings
- Elevator Buckets in Steel, Plastic, Aluminum & Cast Metals



Ward's greatest strength is our team of experts — their innovative thinking, wealth of experience, and self-motivation goes above-and-beyond when it comes to customer service. Ward will help you in the initial decision process, providing you with information on the units available to use with the material you need handled providing you with the most effective solution available.

High quality products & superior service at the lowest possible life cycle costs.

Four decades — Ward's been in business since 1965 – and we're still moving. Decades of superior manufacturing knowledge are behind us – providing excellent solutions and technical support to all of our customers.

Size matters — With a total of 45,000 square-feet of working facilities, Ward has the manufacturing capabilities to supply all of our buyers with quick and easy conveyor system solutions.

Withstanding the heat of production — Ward bucket elevator chains are heat treated and hardened to resist wear when used with abrasive products and hot material. The units are of robust construction and suited to the arduous duties required in heavy industry.

Door seals — Prevents leakage! Traditional methods of sealing the tail pulley shafts from product spillage have been marginally successful at best. Ward has perfected these seals to minimize leaks and spills in order to lower your clean-up costs, and keep the product in the process stream.

Heavy-duty — Only the most durable components are used, ensuring a smooth and trouble free performance. All units are equipped with a high efficiency TEFC Motor, and a torque arm gear reducer with built in backstop or gearmotors with motor brakes as the application dictates. Pulley assemblies include alloy steel shafts with roller bearing pillow and take-up blocks.

Quick repair — Cut down on maintenance time with strategically placed service doors for easy access. Remove the boot pulley assembly in minutes and achieve quick access to the head pulley spill chute adjuster plate. There is even access to allow removal and replacement of buckets and a clean out door at the bottom.

Self Cleaning — The wing designed steel boot pulley effectively ejects material while preventing excessive build-up and damage.

This goes hand in hand with the superior Ward door seals assisting you in keeping your plant clean.

No middleman — Designed, manufactured, and delivered straight to you from our North American facilities.

