

MAXI-LIFT



ENGINEERING

BUCKET ENGINEERING

- **CAPACITIES**
ELEVATOR BUCKETS
& ELEVATORS
- **SPEED CHARTS**
AGRICULTURAL &
INDUSTRIAL
- **PUNCHING**
BELT & CHAINS
- **BULK MATERIAL
HANDLING**



CALCULATING CAPACITY

For More Information, Call 1-800-527-0657

CALCULATING BUCKET ELEVATOR CAPACITY

CAPACITY of the Bucket at Water Level (Cubic Inches)	NUMBER OF BUCKETS Per Foot (12 ÷ Spacing In Inches)	NUMBER OF ROWS of Buckets on the Belt	SPEED of the Belt or Chain FPM (Feet Per Minute)	CUBIC IN. PER HOUR See Below for Conversion
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 X X X x 60 =
MINUTES

For engineering purposes, Maxi-Lift recommends using water level capacity as the basis for calculation. Actual bucket fill will vary depending on the product and operational conditions.

- STEP 1
- Multiply the CAPACITY of the bucket times the NUMBER OF BUCKETS per foot (12 divided by spacing) times the NUMBER OF ROWS of buckets. This will give the capacity in cubic inches of each running foot of the belt or chain.
- STEP 2
- Multiply the answer times the SPEED of the belt or chain in FPM for the capacity discharged per minute.
- STEP 3
- Then multiply by 60 minutes to get cubic inches per hour.

CONVERT CUBIC INCHES PER HOUR AS FOLLOWS:

- BUSHELs:
- Divide by 2,150 to convert to bushels.
- CUBIC FEET:
- Divide by 1,728 to convert to cubic feet.
- SHORT TONS:
- Multiply cubic feet capacity times weight of product per cubic foot and divide by 2,000.
- METRIC TONS:
- Multiply cubic feet capacity times weight of product per cubic foot and divide by 2,204.62.

FEET PER MINUTE

PI	HEAD PULLEY DIAMETER (IN.)	RPM	IN. / FT.	FT. / MIN.
(3.1416)	<u> </u>	<u> </u>	12	<u> </u>
<u> </u> X <u> </u> X <u> </u> ÷ <u> </u> = <u> </u>				

BUSHELs PER HOUR

CU. IN. / HOUR	CU. IN. / BUSHEL	BPH
<u> </u>	2,150	<u> </u>
<u> </u> ÷ <u> </u> = <u> </u>		

CUBIC FEET PER HOUR

CU. IN. / HOUR	CU. IN. / CU. FT	CU. FT. / HOUR
<u> </u>	1,728	<u> </u>
<u> </u> ÷ <u> </u> = <u> </u>		

SHORT TONS PER HOUR

First determine cubic ft / hr. at water level using above formula then proceed as follows

CU. FT. / HOUR	WEIGHT OF PRODUCT / CU. FT.	LBS. / HOUR	LBS. / TON	TONS / HOUR
<u> </u>	<u> </u>	<u> </u>	2,000	<u> </u>
<u> </u> X <u> </u> = <u> </u> ÷ <u> </u> = <u> </u>				

METRIC TONS PER HOUR

First determine cubic ft/hr. at water level using above formula then proceed as follows

CU. FT. / HOUR	WEIGHT OF PRODUCT / CU. FT.	LBS. / HOUR	LBS. / METRIC TON	METRIC TONS / HOUR
<u> </u>	<u> </u>	<u> </u>	2204.62	<u> </u>
<u> </u> X <u> </u> = <u> </u> ÷ <u> </u> = <u> </u>				

CALCULATING HORSEPOWER

The formula below will result in the theoretical horsepower necessary. It is recommended that an additional 25% minimum be added for drive losses and up to 15% for elevator friction and cup digging through the boot.

HP (at head Shaft) = $\frac{W \times H}{33,000}$ W = $\frac{\text{LBS. / HOUR}}{60 \text{ MINUTES}}$ H = Vertical Lift in Feet

*All Engineering and technical data provided by Maxi-Lift or Maxi-Lift employees is for general reference only and does not guarantee perfect discharge, or required throughput capacities (bushels per hour, tons per hour, etc) for all bucket elevators including all range of speeds shown within the speed range. We also do not guarantee any impact on material damage as material is moved through a bucket elevator.

SPEED CHARTS: HIGH SPEED ELEVATOR BUCKETS

TIGER-TUFF®, TIGER-CC®, HD-MAX®, HD-STAX®, CC-MAX®

AGRICULTURAL ELEVATOR BUCKET SPEED CHART

Recommended Minimum and Optimum Pulley Speeds for the following Maxi-Lift Agricultural Elevator Buckets (Centrifugal discharge)



		MINIMUM AND OPTIMUM PULLEY SPEEDS																
ELEVATOR BUCKET NOMINAL PROJ. (INCHES)		PULLEY DIAMETER (INCHES) / PULLEY CIRCUMFERENCE (FEET)																
		4"	5"	6"	8"	10"	12"	14"	16"	20"	24"	30"	36"	42"	48"	60"	72"	84"
		1.05'	1.31'	1.57'	2.07'	2.62'	3.14'	3.67'	4.19'	5.24'	6.28'	7.85'	9.42'	11.00'	12.57'	15.70'	18.90'	22.00'
3"	Minimum:	89	80	81	74	69	64	-	-	-	-	-	-	-	-	-	-	-
	Optimum:	158	143	131	115	103	95	-	-	-	-	-	-	-	-	-	-	-
4"	Minimum:	-	-	75	70	53	51	50	46	43	40	-	-	-	-	-	-	-
	Optimum:	-	-	146	127	109	103	96	89	79	72	-	-	-	-	-	-	-
5"	Minimum:	-	-	-	70	67	63	50	48	45	40	40	35	32	32	-	-	-
	Optimum:	-	-	-	161	131	111	102	95	90	75	67	61	55	51	-	-	-
6"	Minimum:	-	-	-	-	-	-	-	50	45	40	36	35	31	30	-	-	-
	Optimum:	-	-	-	-	-	-	-	93	84	73	67	61	55	51	-	-	-
7"	Minimum:	-	-	-	-	-	-	-	-	40	36	34	33	31	30	27	26	20
	Optimum:	-	-	-	-	-	-	-	-	80	78	73	65	59	55	50	45	40
8"	Minimum:	-	-	-	-	-	-	-	-	-	-	33	32	30	30	27	25	23
	Optimum:	-	-	-	-	-	-	-	-	-	-	60	58	57	56	47	43	40
10"	Minimum:	-	-	-	-	-	-	-	-	-	-	-	-	-	30	25	20	20
	Optimum:	-	-	-	-	-	-	-	-	-	-	-	-	-	52	45	42	40

TIGER-CC®, CC-MAX® TABLE OF SPEEDS



CC-MAX TABLE OF SPEEDS					
PULLEY / SPROCKET DIAMETER (IN.)	PULLEY / SPROCKET CIRCUMFERENCE (FT.)	MIN. RPM	MAX. RPM	MIN. FPM	MAX. FPM
8"	2.09	85	170	178	356
10"	2.62	85	170	223	445
12"	3.14	75	145	236	456
14"	3.67	65	120	238	440
16"	4.19	55	100	230	419
18"	4.71	55	90	259	424
20"	5.24	55	85	288	445
22"	5.76	55	85	288	445
24"	6.28	42	80	264	503
30"	7.85	42	80	330	628
36"	9.42	42	80	396	754
42"	11.00	40	70	440	770
48"	12.57	40	65	503	817
54"	14.14	40	65	566	919
60"	15.71	40	60	628	942
72"	18.85	40	55	754	1037
84"	22.00	34	50	748	1100
96"	25.13	30	45	754	1131

MINIMUM SPEED: Slowest Speed at which Centrifugal Discharge will occur.

OPTIMUM SPEED: Speed at which most desirable results are obtained.

MAXIMUM SPEED: Maximum Speed is governed by many factors including Bonnet Shape, clearances, throat location, desired capacity and commodity elevated, therefore is not published.

The optimum speeds shown are based on free flowing whole grains.

The optimum recommended speed for feed ingredients and other similar materials is 85% of the optimum speed shown.

These tables are for general reference only and do not guarantee perfect discharge for all bucket elevators at all speeds shown within speed range.

*Note: Low profile buckets may require faster minimum speeds than shown on this chart at minimum spacing.

*All Engineering and technical data provided by Maxi-Lift or Maxi-Lift employees is for general reference only and does not guarantee perfect discharge, or required throughput capacities (bushels per hour, tons per hour, etc) for all bucket elevators including all range of speeds shown within the speed range. We also do not guarantee any impact on material damage as material is moved through a bucket elevator.

SPEED CHART / HEAD SHAFT RATING

For More Information, Call 1-800-527-0657

DURA-BUKET® AGRICULTURAL ELEVATOR BUCKET SPEED CHART

Recommended Minimum and Optimum Pulley Speeds for DURA-BUKET
Agricultural Elevator Buckets (Centrifugal Discharge)



DURA-BUKET SS



DURA-BUKET LP

DURA-BUKET MINIMUM AND OPTIMUM PULLEY SPEEDS																	
ELEVATOR BUCKET NOMINAL PROJ. (INCHES)		PULLEY DIAMETER (INCHES) / PULLEY CIRCUMFERENCE (FEET)															
		10"	12"	16"	18"	20"	22"	24"	30"	36"	42"	48"	54"	60"	72"	84"	96"
		2.62'	3.14'	4.19'	4.71'	5.24'	5.76'	6.28'	7.85'	9.42'	11.00'	12.57'	14.14'	15.70'	18.90'	22.00'	25.13'
3"	Minimum:	85	75	55	55	55	55	-	-	-	-	-	-	-	-	-	-
	Optimum:	144	121	90	81	76	72	-	-	-	-	-	-	-	-	-	-
4"	Minimum:	-	75	55	55	55	55	50	-	-	-	-	-	-	-	-	-
	Optimum:	-	121	90	81	76	72	72	-	-	-	-	-	-	-	-	-
5"	Minimum:	-	-	-	55	55	55	50	42	42	40	-	-	-	-	-	-
	Optimum:	-	-	-	81	76	72	72	72	72	63	-	-	-	-	-	-
6"	Minimum:	-	-	-	-	-	-	50	42	42	40	40	40	40	-	-	-
	Optimum:	-	-	-	-	-	-	72	72	72	63	58	58	54	-	-	-
7"	Minimum:	-	-	-	-	-	-	-	42	42	40	40	40	40	40	34	34
	Optimum:	-	-	-	-	-	-	-	72	72	63	58	58	54	49	45	40
8"	Minimum:	-	-	-	-	-	-	-	-	-	-	40	40	40	40	34	34
	Optimum:	-	-	-	-	-	-	-	-	-	-	58	58	54	49	45	40

HEAD SHAFT DIAMETER PER HORSEPOWER RATING	
HORSEPOWER	SHAFT DIAMETER (INCHES)
1-2	1-7/16
3	1-15/16
5	2-3/16
7 1/2 - 10	2-7/16
15	2-15/16
20	3-3/16
25-30	3-7/16
40	3-15/16
50 - 60	4-7/16
75 - 100	4-15/16
125	5-7/16
150	5-15/16
200	7
250	7

This table is provided for general reference only. Maxi-Lift assumes no liability from use of these figures.

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MINIMUM SPEED: Slowest Speed at which Centrifugal Discharge will occur.
OPTIMUM SPEED: Speed at which most desirable results are obtained.
MAXIMUM SPEED: Maximum Speed is governed by many factors including Bonnet Shape, clearances, throat location and desired capacity.

This table is for general reference only and does not guarantee perfect discharge for all bucket elevators at all speeds shown within speed range.
Note: Low-Profile Elevator Buckets spaced on minimum centers may require faster minimum speeds than shown on this chart.

The optimum speeds shown are based on free flowing whole grains. The maximum recommended speed for feed ingredients and other similar materials is 85% of the optimum speed shown.

INDUSTRIAL SPEED CHARTS

For More Information, Visit WWW.MAXILIFT.COM

INDUSTRIAL ELEVATOR BUCKET SPEED CHART

Recommended Minimum and Optimum Pulley Speeds for Tiger-Tuff, Tiger-CC and Maxi-Tuff industrial Elevator Buckets (Centrifugal Discharge)



TIGER-TUFF (Nylon)



TIGER-TUFF (Urethane)



TIGER-CC (Nylon)



TIGER-CC (Urethane)



MAXI-TUFF AA (Nylon)



MAXI-TUFF AA (Urethane)

MINIMUM AND OPTIMUM PULLEY SPEEDS													
ELEVATOR BUCKET NOMINAL PROJ. (INCHES)		PULLEY DIAMETER (INCHES) / PULLEY CIRCUMFERENCE (FEET)											
		6"	8"	10"	12"	16"	18"	20"	24"	30"	36"	42"	48"
		1.57'	2.07'	2.62'	3.14'	4.19'	4.71'	5.24'	6.28'	7.85'	9.42'	11.00'	12.57'
3"	Minimum:	80	73	67	62	-	-	-	-	-	-	-	-
	Optimum:	85	77	71	66	-	-	-	-	-	-	-	-
	Maximum:	90	81	75	70	-	-	-	-	-	-	-	-
4"	Minimum:	-	-	65	60	54	-	-	-	-	-	-	-
	Optimum:	-	-	68	64	57	-	-	-	-	-	-	-
	Maximum:	-	-	72	67	60	-	-	-	-	-	-	-
5"	Minimum:	-	-	-	59	53	51	48	-	-	-	-	-
	Optimum:	-	-	-	62	55	53	51	-	-	-	-	-
	Maximum:	-	-	-	65	59	57	54	-	-	-	-	-
6"	Minimum:	-	-	-	-	52	49	47	44	-	-	-	-
	Optimum:	-	-	-	-	54	52	50	46	-	-	-	-
	Maximum:	-	-	-	-	57	55	53	49	-	-	-	-
7"	Minimum:	-	-	-	-	50	48	46	43	40	-	-	-
	Optimum:	-	-	-	-	53	51	49	46	42	-	-	-
	Maximum:	-	-	-	-	56	54	52	48	44	-	-	-
8"	Minimum:	-	-	-	-	-	-	46	43	39	36	34	-
	Optimum:	-	-	-	-	-	-	48	45	41	38	36	-
	Maximum:	-	-	-	-	-	-	51	48	44	41	38	-
10"	Minimum:	-	-	-	-	-	-	-	41	38	36	33	32
	Optimum:	-	-	-	-	-	-	-	45	40	37	35	33
	Maximum:	-	-	-	-	-	-	-	46	43	40	37	35

MAXI-TUFF INDUSTRIAL MF ELEVATOR BUCKET SPEED CHART

This table is for general reference only and does not guarantee perfect discharge for all bucket elevators at all speeds shown within speed range. Recommended Minimum Spacing, Pulley Diameter and Speeds for Maxi-Tuff MF Elevator Buckets (Continuous Discharge)



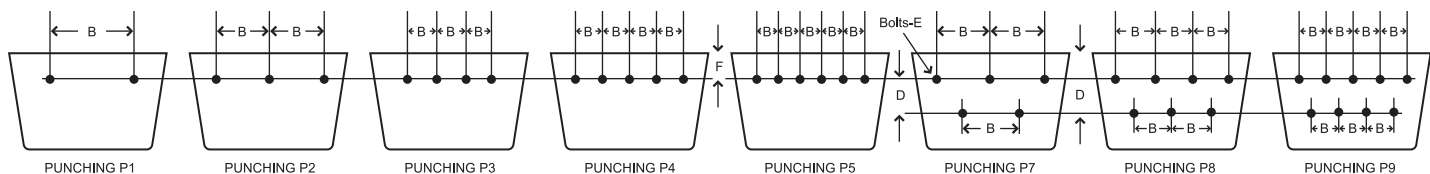
MAXI-TUFF MF (Nylon)

BUCKET PROJECTION	BUCKET SIZE	MINIMUM SPACING (INCHES)	MINIMUM DIAMETER (INCHES)	MAXIMUM FPM
5"	8 x 5 x 7	7-1/2	10	250
	10 x 5 x 7			
7"	12 x 7 x 11	11-1/4	24	250
	14 x 7 x 11			
	16 x 7 x 11			
	18 x 7 x 11			
8"	12 x 8 x 11	11-1/4	24	250
	14 x 8 x 11			
	16 x 8 x 11			
	18 x 8 x 11			

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BUCKET PUNCHING: BELTS

For More Information, Call 1-800-527-0657



PUNCHING: TYPES HF, HFO, MF AND LF

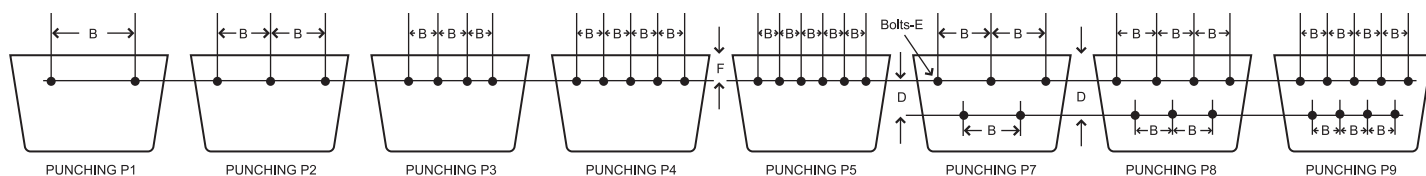
TYPES HF, HFO, MF AND LF CONTINUOUS ELEVATOR BUCKETS FOR BELTS								
BUCKET SIZE, INCHES			PUNCHING	BELT WIDTH INCHES	INCHES			
L - Length	P - Proj	D - Depth			B	D	E	F
8	5	7-3/4	P7	9-10	3	1	1/4	3-3/8
8	5	8-1/2	P7	9-10	3	1	1/4	3-3/4
9	6	9-1/4	P7	10	3	1	1/4	4-1/8
10	5	7-3/4	P7	11-12	3-1/2	1	5/16	3-3/8
10	5	8-1/2	P7	11-12	3-1/2	1	5/16	3-3/4
10	6	9-1/4	P7	11-12	3-1/2	1	5/16	4-1/8
10	6	10	P7	11-12	3-1/2	1	5/16	4-1/2
10	7	11-5/8	P7	11-12	3-1/2	1	5/16	5-5/16
10	7	12-1/2	P7	11-12	3-1/2	1	5/16	5-3/4
10	8	11-5/8	P7	11-12	3-1/2	1	5/16	5-5/16
11	6	9-1/4	P7	12	4	1	5/16	4-1/8
12	5	7-3/4	P7	13-14	4-1/2	1	5/16	3-3/8
12	6	9-1/4	P7	13-14	4-1/2	1	5/16	4-1/8
12	6	10	P7	13-14	4-1/2	1	5/16	4-1/2
12	7	11-5/8	P7	13-14	4-1/2	1	5/16	5-5/16
12	7	11-3/4	P7	13-14	4-1/2	1	5/16	5-3/8
12	7	12-1/2	P7	13-14	4-1/2	1	5/16	5-3/4
12	8	11-5/8	P7	13-14	4-1/2	1	5/16	5-5/16
12	8	12-1/2	P7	13-14	4-1/2	1	5/16	5-3/4
14	7	11-5/8	P8	15-16	4	1	5/16	5-5/16
14	7	12-1/2	P8	15-16	4	1	5/16	5-3/4
14	8	11-5/8	P8	15-16	4	1	5/16	5-5/16
14	8	11-3/4	P8	15-16	4	1	5/16	5-3/8
14	8	12-1/2	P8	15-16	4	1	5/16	5-3/4
16	7	11-3/4	P8	18	4-1/2	1	5/16	5-3/8
16	8	11-5/8	P8	18	4-1/2	1	5/16	5-5/16
16	8	12-1/2	P8	18	4-1/2	1	5/16	5-3/4
16	12	17-5/8	P8	18	4-1/2	1	5/16	8-5/16
16	12	18-5/8	P8	18	4-1/2	1	5/16	8-13/16
18	8	11-5/8	P8	20	5	1	5/16	5-5/16
18	10	15	P8	20	5	1	5/16	7
20	8	11-5/8	P9	22	4	1	5/16	5-5/16
20	12	17-5/8	P9	22	4	1	5/16	8-5/16
20	12	18-5/8	P9	22	4	1	5/16	8-13/16
24	10	11-5/8	P9	26	5	1	5/16	5-5/16
24	12	17-5/8	P9	26	5	1	5/16	8-5/16
24	12	18-5/8	P9	26	5	1	5/16	8-13/16

All plastic Maxi-Tuff MF Buckets that have a depth of 11-1/2", 11-5/8" or 11-3/4" will be punched with a 5-5/16" down dimension (F).

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BUCKET PUNCHING: BELTS

For More Information, Visit WWW.MAXILIFT.COM



PUNCHING: TYPES AA, TIGER-TUFF AND TIGER-CC INDUSTRIAL

TYPES AA, TIGER-TUFF & TIGER-CC INDUSTRIAL CENTRIFUGAL DISCHARGE ELEVATOR BUCKETS FOR BELTS						
NOMINAL BUCKET LENGTH INCHES	PUNCHING	BELT WIDTH INCHES	B	D	E	F
3	P1	4	1-3/8	—	1/4	1
4	P1	5	2-5/16	—	1/4	1
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	1/4	1
9	P7	10	3	1	1/4	1
10	P7	11-12	3-1/2	1	5/16	1
11	P7	12	4	1	5/16	1
12	P7	13-14	4-1/2	1	5/16	1
13	P8	14	3-1/2	1	5/16	1
14	P8	15-16	4	1	5/16	1
15	P8	16	4	1	5/16	1
16	P8	18	4-1/2	1	5/16	1
17	P8	19	4-1/2	1	5/16	1
18	P8	20	5	1	5/16	1
19	P9	21	4	1	5/16	1
20	P9	22	4	1	5/16	1
21	P9	23	4-1/2	1	5/16	1
22	P9	24	4-1/2	1	5/16	1
23	P9	25	5	1	5/16	1
24	P9	26	5	1	5/16	1
28	P9	31	5-1/8	1	3/8	1

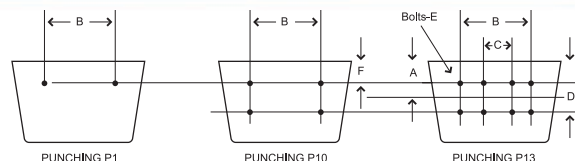
Other Belt Punches Available. **Verify Bucket Punching Before Ordering.**

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BUCKET PUNCHING: CHAINS

Call 1-800-527-0657, Visit MAXILIFT.COM for More Info

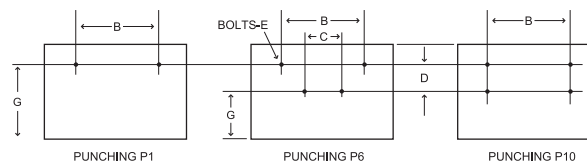
PUNCHING: CENTRIFUGAL DISCHARGE ELEVATOR BUCKETS ON “K” ATTACHMENTS



CENTRIFUGAL DISCHARGE ELEVATOR BUCKETS ON “K” ATTACHMENTS													
CHAIN ATTACHMENT NUMBER	NOMINAL BUCKET SIZE, INCHES						PUNCHING	INCHES					
	TYPES AA, AA-RB		TYPE AC		TYPE SC			A	B	C	D	E	F
	Min.	Max.	Min.	Max.	Min.	Max.							
77-K1	6 x 4	10 x 6	—	—	8 x 6	10 x 8	P1	—	3	—	—	1/4	1
77-K2	6 x 4	10 x 6	—	—	8 x 6	10 x 8	P10	—	3	—	13/16	1/4	1
C 77-K1	6 x 4	10 x 6	—	—	8 x 6	10 x 8	P1	—	3	—	—	3/8	1
78-K1	6 x 4	10 x 6	—	—	8 x 6	10 x 8	P1	—	3-3/8	—	—	1/4	1
H 78-K1	6 x 4	12 x 6	—	—	8 x 6	12 x 8	P1	—	4	—	—	3/8	1
H 78-K2	6 x 4	12 x 6	—	—	8 x 6	12 x 8	P10	—	4	—	1-1/8	3/8	1
C 102B-K2	8 x 5	16 x 7	—	—	8 x 6	16 x 8	P10	—	5-5/16	—	1-3/4	3/8	1
SS 102B-K2	7 x 4-1/2	16 x 7	—	—	8 x 6	16 x 8	P10	—	5-5/16	—	1-3/4	3/8	1
C 102-1/2-K2	8 x 5	16 x 7	—	—	8 x 6	16 x 8	P10	—	5-5/16	—	1-3/4	1/2	1
SS 102-1/2-K2	8 x 5	16 x 7	—	—	8 x 6	16 x 8	P10	—	5-5/16	—	1-3/4	1/2	1
C 110-K2	8 x 5	16 x 7	—	—	8 x 6	16 x 8	P10	—	5-5/16	—	1-3/4	3/8	1
SS 110-K2	8 x 5	16 x 7	—	—	8 x 6	16 x 8	P10	—	5-5/16	—	1-3/4	3/8	1
C111-K2	9 x 6	18 x 8	—	—	10 x 8	16 x 8	P10	—	6-1/4	—	2-5/16	1/2	1
SS 111-K2	10 x 6	18 x 8	—	—	10 x 8	16 x 8	P10	—	6-1/4	—	2-5/16	1/2	1
C 132-K2	12 x 6	20 x 8	—	—	12 x 8	16 x 8	P10	—	7-1/2	—	2-3/4	1/2	1
188-K1	6 x 4	12 x 6	—	—	8 x 6	12 x 6	P1	—	3-3/4	—	—	3/8	1
C 188-K2	6 x 4	14 x 7	—	—	8 x 6	14 x 8	P10	—	4-3/16	—	1-1/4	5/16	1
SS 188-K1	6 x 4	12 x 6	—	—	8 x 6	12 x 8	P1	—	3-3/4	—	—	3/8	1
SS 188-K2	8 x 5	14 x 7	—	—	8 x 6	14 x 8	P10	—	4-3/16	—	1-1/4	5/16	1
SS 856-K2	10 X 6	18 x 10	—	—	10 X 8	16 x 8	P10	—	6-5/16	—	2-1/4	1/2	1
SS 856-K24	—	—	18 x 10	24 x 10	—	—	P10	—	7-1/4	—	2-1/2	5/8	1
SS 2857-K44	—	—	18 x 10	24 x 10	—	—	P13	—	12	—	3-1/2	1/2	1

* Some chain punches may incur additional punching charges. Contact Maxi-Lift for details.

PUNCHING: CONTINUOUS ELEVATOR BUCKETS ON “K” ATTACHMENTS



CONTINUOUS ELEVATOR BUCKETS ON “K” ATTACHMENTS														
CHAIN ATTACHMENT NUMBER	NOMINAL BUCKET SIZE, INCHES								PUNCHING	INCHES				
	TYPE HF		TYPE HFO		TYPE MF		TYPE LF			B	C	D	E	G
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.						
C 102B-K2	8 x 5	10 x 5	8 x 5	10 x 5	8 x 5	10 x 5	—	—	P10	5-5/16	—	1-3/4	3/8	1-7/8
SS 102B-K2	8 x 5	10 x 5	8 x 5	10 x 5	8 x 5	10 x 5	—	—	P10	5-5/16	—	1-3/4	3/8	1-7/8
C 102B-1/2-K2	8 x 5	10 x 5	8 x 5	10 x 5	8 x 5	10 x 5	—	—	P10	5-5/16	—	1-3/4	1/2	1-7/8
SS 102B-1/2-K2	8 x 5	10 x 5	8 x 5	10 x 5	8 x 5	10 x 5	—	—	P10	5-5/16	—	1-3/4	1/2	1-7/8
C 110-K2	10 x 7	16 x 8	10 x 7	16 x 8	10 x 7	18 x 8	10 x 7	16 x 8	P10	5-5/16	—	1-3/4	3/8	3-3/8
SS 110-K2	10 x 7	16 x 8	10 x 7	16 x 8	10 x 7	18 x 8	10 x 7	16 x 8	P10	5-5/16	—	1-3/4	3/8	3-3/8
C 111-K2	10 x 6	12 x 6	10 x 6	12 x 6	10 x 6	12 x 6	10 x 6	12 x 6	P10	6-1/4	—	2-5/16	1/2	2-3/32
SS 111-K2	10 x 6	12 x 6	10 x 6	12 x 6	10 x 6	12 x 6	10 x 6	12 x 6	P10	6-1/4	—	2-5/16	1/2	2-3/32
C 132-K2	10 x 7	16 x 8	10 x 7	16 x 8	12 x 7	20 x 8	12 x 7	20 x 8	P10	7-1/2	—	2-3/4	1/2	2-7/8
SS 150PLUS-K2	10 x 7	16 x 8	10 x 7	16 x 8	12 x 7	20 x 8	12 x 7	20 x 8	P10	7-1/2	—	2-3/4	1/2	2-7/8
SS 856-K2	10 x 7	16 x 8	10 x 7	16 x 8	12 x 7	20 x 8	12 x 7	20 x 8	P10	6-5/16	—	2-1/4	3/8	3-1/8

Other Chain Punches Available. [Verify Bucket Punching Before Ordering.](#)

*All Engineering and technical data provided by Maxi-Lift or Maxi-Lift employees is for general reference only and does not guarantee perfect discharge, or required throughput capacities (bushels per hour, tons per hour, etc) for all bucket elevators including all range of speeds shown within the speed range. We also do not guarantee any impact on material damage as material is moved through a bucket elevator.