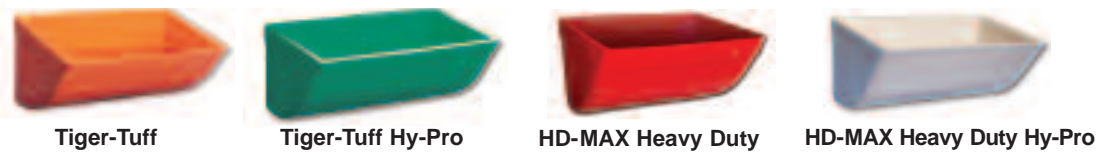


MAXI-LIFT HIGH SPEED ELEVATOR BUCKETS SPEED CHARTS

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



ELEVATOR BUCKET NOMINAL PROJ. (INCHES)	PULLEY CIRCUMFERENCE (FEET)	MINIMUM AND OPTIMUM PULLEY SPEEDS																
		DIAMETER (INCHES)																
		4"	5"	6"	8"	10"	12"	14"	16"	20"	24"	30"	36"	42"	48"	60"	72"	84"
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	

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.

This table is for general reference only and does not guarantee perfect discharge for all bucket elevators at all speeds shown within speed range.

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.

***NOTE: HY-PRO BUCKETS MAY REQUIRE FASTER MINIMUM SPEEDS THAN SHOWN ON THIS CHART AT MINIMUM SPACING.**

CC-MAX® Table of Speeds



Pulley / Sprocket Diameter (Inches)	Pulley / Sprocket Circumference (Feet)	R.P.M. Minimum	R.P.M. Maximum	F.P.M. Minimum	F.P.M. Maximum
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

This table is for general reference only and does not guarantee perfect discharge for all bucket elevators at all speeds shown within speed range.





DURA-BUKET® SS STANDARD & LP LOW PROFILE SPEED CHART / HEAD SHAFT RATING

DURA-BUKET® SS/LP SPEED CHART / HEAD SHAFT RATING

Dura-Buket® Agricultural Elevator Bucket Speed Chart



Dura-Buket SS



Dura-Buket LP

Recommended Minimum and Optimum Pulley Speeds for Dura-Buket Agricultural Elevator Buckets (Centrifugal Discharge)

ELEVATOR BUCKET NOMINAL PROJ. (INCHES)	PULLEY CIRCUMFERENCE (FEET)	MINIMUM AND OPTIMUM PULLEY SPEEDS																	
		2.62	3.14	4.19	4.71	5.24	5.76	6.28	7.85	9.42	11	12.57	14.14	15.7	18.9	22	25.13		
		10"	12"	16"	18"	20"	22"	24"	30"	36"	42"	48"	54"	60"	72"	84"	96"		
3"	Minimum	85	75	55	55	55	55												
	Optimum	144	121	90	81	76	72												
4"	Minimum	75		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				

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.

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

Head Shaft Diameter per Horsepower Rating

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