

Agricultural Elevator Bucket Punching Chart

There are many plastic elevator bucket styles and colors available on the market today, having an array of different punch patterns. This chart allows for a quick glance on what punch pattern a given color bucket may possess as a “standard” from the manufacturer. Please note in rare cases there may be a special pattern punched on the bucket for any number of reasons. This is why this chart must be used as a guide only.

ELEVATOR BUCKET SIZE (Nominal)	ELEVATOR BUCKET BRAND (STANDARD HOLE CENTERS)								
	Yellow	White	Grey	Red	Orange	Black	Low Profile	Blue	Steel
3x2	1-3/4"	1-3/4"	1-3/4"	1-3/4"				1-3/4"	
4x3	2-1/2"	2-1/2"	2-1/2"	2-1/4"		2-1/4"	2-1/4"	2-1/2"	2-1/2"
4x4									2-1/2"
5x4	3-3/16"	3-3/16"	3-3/16"	3-3/16"		3-3/16"	3-3/16"	3-3/16"	3-3/16"
6x4	4-3/8"	4-3/8"	4-3/8"	4-3/8"		4-3/8"	4-1/4"	4-3/8"	4-3/8"
7x4	2-11/16"	2-11/16"	2-11/16"	2-5/8"		2-11/16"	2-5/8"	2-11/16"	2-11/16"
8x4									3-1/16"
9x4									3-5/8"
6x5	4-3/8"	4-3/8"	4-3/8"	4-3/8"		4-3/8"	4-1/4"	4-3/8"	4-3/8"
7x5	2-11/16"	2-11/16"	2-11/16"	2-5/8"		2-5/8"	2-5/8"	2-11/16"	2-11/16"
8x5	3-1/16"	3-1/16"	3-1/16"	3-1/16"		3-1/16"	3-1/16"	3-1/16"	3-1/16"
9x5	3-5/8"	3-5/8"	3-5/8"	3-1/2"		3-1/4"	3-1/4"	3-5/8"	3-5/8"
10x5	4-1/8"	4-1/8"	4-1/8"	4"				4-1/8"	4-1/8"
11x5	3"	3"	3"	3-1/8"				3"	3"
12x5	3-3/8"	3-3/8"	3-3/8"	3-3/8"				3-3/8"	3-3/8"
7x6									2-11/16"
8x6	3-1/16"	3-1/16"	3-1/16"	3-1/16"		3-1/16"	2-11/16"	3-1/16"	3-1/16"
9x6	3-5/8"	3-5/8"	3-5/8"	3-1/2"		3-1/2"	3-1/2"	3-5/8"	3-5/8"
10x6	4-1/8"	4-1/8"	4-1/8"	4"		4"	4"	4-1/8"	4-1/8"
11x6	3"	3"	3"	3"		3"	2-7/8"	3"	3"
12x6	3-3/8"	3-3/8"	3-3/8"	3-3/8"		3-3/8"	3-1/4"	3-3/8"	3-3/8"
13x6	3-5/8"	3-5/8"	3-5/8"	3-5/8"		3-5/8"	3-5/8"	3-5/8"	3-5/8"
14x6	3"	3"						3"	3"
8x7									3-1/16"
9x7									3-5/8"
10x7	4-1/8"	4-1/8"	4-1/8"	4"		4"	4"	4-1/8"	4-1/8"
11x7	3"	3"	3"	3"		3"	3"	3"	3"
12x7	3-3/8"	3-3/8"	3-3/8"	3-3/8"	3-3/8"	3-3/8"	3-1/4"	3-3/8"	3-3/8"
13x7	3-5/8"	3-5/8"	3-5/8"	3-5/8"		3-5/8"	3-5/8"	3-5/8"	3-5/8"
14x7	3"	3"	3"	3"	3"	3"	4"	3"	3"
15x7	3-1/4"	3-1/4"	3-1/4"	3-1/4"		3-1/4"	2-5/8"	3-1/4"	3-1/4"
16x7	2-7/8"	2-7/8"	2-7/8"	3-1/2"	2-7/8"	3-1/2"	2-5/8"	2-7/8"	2-7/8"
18x7	3-1/8"							3-1/8"	3-1/8"
20x7	3-1/2"							3-1/2"	3-1/2"
22x7									4"
24x7									3-1/2"
9x8									3-5/8"
10x8	4-1/8"	4-1/8"	4-1/8"	4-1/8"				4-1/8"	4-1/8"
11x8	3"	3"	3"	3-1/8"				3"	3"
12x8	3-3/8"	3-3/8"	3-3/8"	3-3/8"	3-3/8"	3-3/8"	3-1/4"	3-3/8"	3-3/8"
13x8	3-5/8"	3-5/8"	3-5/8"	3-5/8"	3-5/8"			3-5/8"	3-5/8"
14x8	3"	3"	3"	3"	3"	3"	4"	3"	3"
15x8	3-1/4"	3-1/4"	3-1/4"	3-1/4"				3-1/4"	3-1/4"
16x8	2-7/8"	2-7/8"	2-7/8"	3-1/2"	2-7/8"	3-1/2"	2-5/8"	2-7/8"	2-7/8"
17x8									3"
18x8	3-1/8"	3-1/8"	3-1/8"	3-1/8"	3-1/8"	3-1/8"	3-1/8"	3-1/8"	3-1/8"
20x8	3-1/2"	3-1/2"	3-1/2"		3-1/2"			3-1/2"	3-1/2"
22x8					4"				4"
24x8					3-1/2"				3-1/2"
10x9									4-1/8"
13x9									3-3/4"
14x9									3"
16x9								2-7/8"	2-7/8"
20x9								3-1/2"	3-1/2"
16x10					2-7/8"				
18x10					3-1/8"				
20x10					3-1/2"				

This chart is to be used as a general guideline, T.O.P.S. Inc. assumes no liability for its use.



CC & V Style Elevator Bucket Speed Chart

Pulley or Sprocket Diameter (Inches)	F.P.M		R.P.M	
	Min.	Max.	Min.	Max.
8"	176	352	85	170
10"	224	445	85	170
12"	236	456	75	145
14"	238	440	65	120
16"	230	418	55	100
18"	259	424	55	90
20"	286	443	55	85
22"	316	460	55	80
24"	264	502	42	80
30"	330	628	42	80
36"	395	753	42	80
42"	439	769	40	70
48"	503	817	40	65
54"	565	919	40	65
60"	628	942	40	60
72"	754	1036	40	55
84"	748	1099	34	50
96"	754	1130	30	45

This chart is for reference only as it will not guarantee perfect discharge in all bucket elevators for all shown speed ranges. Variables such as moisture content, product flowability, product weight, elevator venting and loading will contribute to discharge characteristics. Please contact a T.O.P.S Inc. staff member for engineering questions.

Diameter & Circumference Chart for Pulley / Sprocket

Diameter (Inches)	Diameter (Feet)	Circumference (Feet)
8"	0.66'	2.07'
9"	0.75'	2.35'
10"	0.84'	2.64'
11"	0.92'	2.89'
12"	1.00'	3.14'
13"	1.08'	3.39'
14"	1.16'	3.64'
15"	1.25'	3.92'
16"	1.33'	4.18'
18"	1.50'	4.71'
20"	1.66'	5.21'
21"	1.75'	5.50'
22"	1.83'	5.75'
24"	2.00'	6.28'
28"	2.33'	7.32'
30"	2.50'	7.85'
32"	2.66'	8.35'
36"	3.00'	9.42'
40"	3.33'	10.46'
42"	3.50'	10.99'
48"	4.00'	12.57'
54"	4.50'	14.14'
60"	5.00'	15.71'
66"	5.50'	17.28'
72"	6.00'	18.85'
84"	7.00'	21.99'
96"	8.00'	25.13'

This chart is to be used as general guideline, T.O.P.S. Inc. assumes no liability for its use.