

Starco™ Elevator Buckets

Patented Super Low Profile Plastic & Pressed Steel Elevator Buckets

APPLICATION

A better concept in bucket design. Starco elevator buckets are engineered for higher capacity. Tapered sides ensure maximum bucket fill at a closer spacing. A unique front profile guarantees clean discharge over a wider range of operating speeds than conventional or other low profile buckets.

FEATURES

- ▶ Provides Perfect Fill & Discharge for a Wide Range of Products
- ▶ Up to 100% Increased Capacity for Existing Elevators
- ▶ Super Low Profile
- ▶ For Belt Speeds up to 895 ft./min.
- ▶ Prime Virgin Plastic, Pressed Seamless Steel or Stainless Steel
- ▶ Unique Discharge Pattern Reduces Product Degradation & Dust

ACCESSORIES

- ▶ Bolts - Norway, Fanged, Euro or Easifit
- ▶ Washers & Nuts
- ▶ Belting - Rubber, PVC, Steel Web
- ▶ Belt Fasteners



High Density Polyethylene Version



Pressed Seamless Steel Version

FREE

Elevator & Conveyor Engineering Design Service

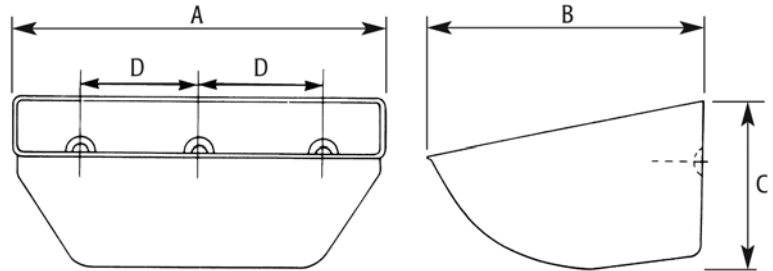
Take advantage of 4B's free, guaranteed worldwide technical support service from a team of material handling engineers specializing in the design and upgrade of bucket elevators and conveyors.

Whether you want a new elevator design, or just want to increase the capacity and performance of your existing elevator, our engineers can help.

Please refer to instruction manual for correct installation. Information subject to change or correction. March 2008.

TECHNICAL SPECIFICATIONS

Starco Elevator Buckets



High Density Polyethylene

Nominal Size	Part #	Dimensions (Inches)				Standard Bolt Holes			Capacity (in3)		Minimum Spacing	Weight (Lbs.)
		Length A	Projection B	Back Depth C	Thickness/Gauge	# Holes	Bolt Size	Hole Center	Actual Capacity	Water Level		
4 x 3-1/2	SP100	4-5/16	3-5/8	2-7/16	5/32	2	5/16	2	17	13	2-3/4	0.13
6 x 4	SP150	6-1/4	4-7/16	3-1/16	13/64	2	5/16	3-1/2	44	30	3-5/16	0.38
5 x 4-1/2	SP130	5-1/2	4-3/4	3-3/16	3/16	2	5/16	2-3/4	38.1	28	3-9/16	0.28
6 x 5*	SP140	5-3/4	4-3/4	3-9/16	3/16	2	5/16	2-3/4	49	37	3-5/8	0.37
7 x 5-1/2	SP180	7-1/2	5-3/4	3-11/16	1/4	2	5/16	3-15/16	74	51	3-3/4	0.63
8 x 5-1/2*	SP200	8	5-7/8	4-7/16	1/4	2	5/16	3-15/16	111	85	4-5/8	0.77
9 x 5	SP225	9-1/4	5-1/2	3-11/16	1/4	2	5/16	4-3/4	102	71	3-3/4	0.75
9 x 6-1/2	SP230	9-7/16	6-13/16	4-7/16	1/4	2	5/16 or 3/8**	4-3/4	136	100	4-3/8	0.95
11 x 6-1/2	SP280	11-7/16	6-13/16	4-7/16	1/4	3	5/16 or 3/8**	3-3/16	176	123	4-3/8	1.10
12 x 7	SP300	12-3/8	7-1/8	4-7/8	1/4	3	5/16	4	235	165	4-13/16	1.28
13 x 8-1/2	SP330	13-3/8	8-3/4	4-7/8	9/32	3	3/8	4-3/4	336	239	5-1/2	1.68
14 x 7	SP350	14-7/16	7-1/8	4-7/8	9/32	4	5/16	3-9/16	275	201	4-13/16	1.75
15 X 8-1/2	SP370	15	8-9/16	5-9/16	9/32	4	3/8	3-9/16	380	269	5-1/2	2.45

* SuperStarco

** Specify Bolt Size

Installation with fender washers recommended

Pressed Seamless Steel

4 x 3-1/2	SS100	4-1/16	3-1/2	2-7/16	20	2	5/16	2	18	12	2-5/8	0.26
5 x 4-1/2	SS130	5-1/2	4-1/2	3-1/16	16	2	5/16	2-3/4	37	25	3-7/16	0.78
7 x 5-1/2	SS180	7-1/4	5-1/2	3-5/8	16	2	5/16	3-15/16	79	55	3-3/4	1.16
9 x 6-1/2	SS230	9-3/8	6-1/2	4-1/4	14	2	3/8	4-3/4	137	101	4-3/8	2.66
11 x 6-1/2	SS280	11-3/8	6-1/2	4-1/4	14	3	3/8	3-3/16	178	127	4-3/8	2.90
12 x 7	SS300	12-1/8	7-3/16	4-5/8	14	3	5/16	4	223	150	4-13/16	3.15
13 x 8-1/2	SS330	13-3/8	8-7/16	5-1/8	12	3	3/8	4-3/4	336	239	5-1/2	5.90
15 x 8-1/2	SS370	15	8-7/16	5-1/8	12	4	3/8	3-9/16	377	255	5-1/2	6.60
18 x 8-1/2	SS450	18-1/4	8-7/16	5-1/8	12	5	3/8	3-1/2	488	341	5-1/2	7.50

Formula for Quick Capacity Estimate

$$* \text{ Cu Ft/Hr} = \frac{** \text{ bucket capacity (in3)}}{1728} \times \frac{12}{\text{bucket spacing (in)}} \times \text{Belt Speed (ft/min) x 60}$$

** Elevator production calculated with the bucket usable capacity figure. However, actual capacity depends on the material being elevated and on the elevator belt speed/pulley diameter and head/intake design.

Please refer to instruction manual for correct installation. Information subject to change or correction. March 2008.