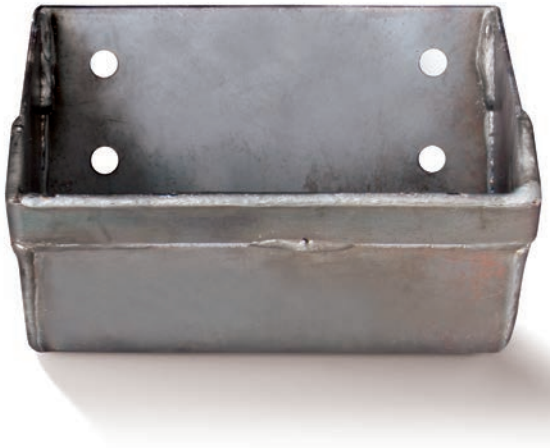
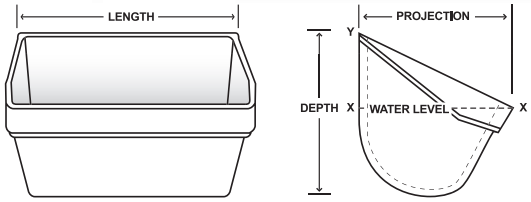
AA DIGGER

Industrial Welded Metal Elevator Buckets





MOUNTING HOLES AND VENTING TO YOUR SPECIFICATIONS

WELDED STEEL

AA DIGGER WELDED STEEL

AA Digger Buckets are manufactured to fit with **MAXI-TUFF AA** plastic elevator buckets but are 1/4" to 1/2" longer in length and projection. The **AA Digger Bucket** clears a path through the boot section of the elevator in order to remove excess material and reduce wear. Digger buckets are mounted every fifth to every tenth space between the **MAXI-TUFF AA** plastic buckets. **AA Digger Buckets** will extend the life of the **MAXI-TUFF AA** buckets in materials that pack or cake tightly in the boot section.

FEATURES & BENEFITS

- Thick Reinforced Lip
- Buckets Continuously Welded
- Works with MAXI-TUFF AA or Welded Steel Buckets
- Long Wearing Digging Edge
- Smooth Surface to Ensure Proper Filling
- Strong Impact and Abrasion Resistance for Long Life
- Carbon or Stainless Steel
- Options: AR Plate, Hardened Surface or Hard Bead Weld
- Designed To Handle Sand, Glass Cullet, Stone, Shot Blast, Rock, Concrete and Other Abrasive Products

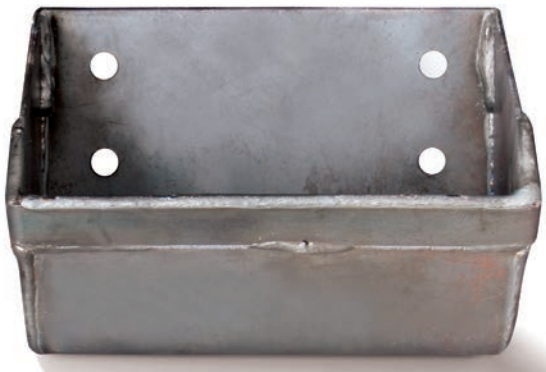
AA DIGGER

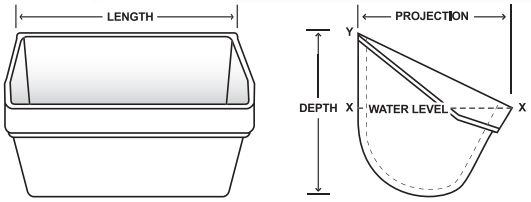
BUCKET SIZE, INCHES				WEIGHT, LBS.				CAPACITY, CU. FT.*	
BUCKET SIZE	Length	Proj.	Depth	12 Gauge Steel	10 Gauge Steel	7 Gauge Steel	1/4" Steel	Filled to Line X-X	Filled to Line X-Y
4 x 3	4-3/4	3-3/8	3-1/8	1.35	1.80	2.35	-	0.01	0.01
5 x 4	5-3/4	4-3/8	4-1/8	2.25	2.65	3.50	-	0.01	0.02
6 x 4	6-3/4	4-3/8	4-1/8	2.75	3.25	4.20	5.50	0.02	0.05
7 x 4	7-3/4	4-3/8	4-1/8	3.00	3.95	5.50	7.30	0.04	0.05
7 x 5	7-5/8	5-3/8	5-1/4	3.75	4.75	6.50	8.35	0.04	0.06
8 x 5	8-5/8	5-3/8	5-1/4	4.25	5.45	7.15	9.45	0.05	0.08
9 x 5	9-5/8	5-3/8	5-1/4	4.95	6.25	8.05	10.45	0.05	0.08
9 x 6	9-7/8	6-3/8	6-1/8	5.60	7.00	9.30	12.20	0.07	0.12
10 x 6	10-7/8	6-3/8	6-1/8	6.10	7.70	10.10	13.35	0.08	0.13
11 x 6	11-7/8	6-3/8	6-1/8	6.60	8.40	10.90	14.40	0.09	0.14
12 x 6	12-7/8	6-3/8	6-1/8	7.10	9.00	11.80	15.55	0.10	0.15
12 x 7	12-7/8	7-3/8	7-1/8	8.75	11.05	14.55	19.05	0.13	0.21
14 x 7	14-7/8	7-3/8	7-1/8	-	12.35	16.35	21.45	0.15	0.24
14 x 8	14-7/8	8-3/8	8-1/8	-	14.35	19.30	25.45	0.21	0.33
16 x 8	16-7/8	8-3/8	8-1/8	-	16.05	21.30	28.25	0.24	0.38
18 x 8	18-5/8	8-3/8	8-1/8	-	17.55	23.30	30.80	0.27	0.43
18 x 10	19	10-3/8	10-1/8	-	22.05	29.45	39.40	0.35	0.66

* Weights are estimated. ** Made to order. Available in other sizes. ***Style A also available (w/o reinforced lip)

AA WELDED STEEL

Industrial Welded Metal Elevator Buckets





MOUNTING HOLES AND VENTING TO YOUR SPECIFICATIONS

WELDED STEEL

AA WELDED STEEL

AA Welded Steel generally utilize a 3-piece construction; the end caps fit on the outside of the body and are continuously welded to the body. There generally is no taper on the sides of the bucket. The reinforced wear lip is attached to the front of the bucket.

FEATURES & BENEFITS

- Thick Reinforced Lip for Superior Abrasion Resistance
- Resistance to Distortion From Scooping Heavy or Packed Materials
- Typical in Sand, Glass or Gravel
- Long Wearing Digging Edge
- Buckets are Continuously Welded
- Mounted on Chain Or Belt
- Options: Carbon Steel, Aluminum, Stainless Steel, AR Plate, Wear Lips, Hardened Surface and Hard Bead Weld
- Buckets Available in 14ga,12ga, 10ga, 7ga, 1/4", 5/16", 3/8", 1/2" Steel

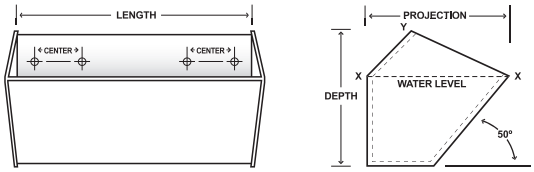
AA WELDED STEEL

BUCKET SIZE, INCHES				WEIGHT, LBS.				CAPACITY, CU. FT.*	
BUCKET SIZE	Length	Proj.	Depth	12 Gauge Steel	10 Gauge Steel	3/16" Steel	1/4" Steel	Filled to Line X-X	Filled to Line X-Y
4 x 2 3/4	4	2-3/4	3	1.15	1.48	1.95	-	0.006	0.009
5 x 3 1/2	5	3-1/2	3-3/4	1.81	2.33	3.15	-	0.013	0.022
6 x 4	6	4	4-1/4	2.35	3.02	3.96	5.27	0.020	0.032
7 x 4 1/2	7	4- 1/2	5	3.17	4.08	5.35	7.12	0.034	0.051
8 x 5	8	5	5-1/2	4.15	5.33	7.06	9.39	0.047	0.072
10 x 6	10	6	6-1/4	5.73	7.37	9.79	13.02	0.076	0.120
11 x 6	11	6	6-1/4	6.16	7.93	10.46	13.91	0.084	0.133
12 x 6	12	6	6-1/4	6.60	8.49	11.29	15.02	0.091	0.145
12 x 7	12	7	7-1/4	8.11	10.42	13.93	18.53	0.124	0.199
14 x 7	14	7	7-1/4	-	11.72	15.70	20.88	0.145	0.232
14 x 8	14	8	8-1/2	-	13.9	18.64	24.80	0.202	0.316
15 x 7	15	7	7-1/4	-	12.37	16.58	22.05	0.155	0.248
16 x 7	16	7	7-1/4	-	13.03	17.47	23.24	0.165	0.265
16 x 8	16	8	8-1/2	-	15.41	20.67	27.49	0.231	0.362
18x8	18	8	8-1/2	-	16.92	22.70	30.19	0.260	0.407
18x10	18	10	10-1/2	-	21.48	28.88	38.41	0.336	0.632
20 x 8	20	8	8-1/2	-	18.42	24.74	32.90	0.289	0.452
24 x 8	24	8	8-1/2	-	21.43	28.81	38.32	0.347	0.543

* Weights are estimated. ** Made to order. Available in other sizes.

AC WELDED STEEL

Industrial Welded Metal Elevator Buckets



MOUNTING HOLES AND VENTING TO YOUR SPECIFICATIONS

WELDED STEEL

AC WELDED STEEL

AC Welded Steel buckets generally utilize a 3-piece construction; the end caps fit on the outside of the body and are continuously welded to the body. There generally is no taper on the sides of the bucket. There is approximately a 50º angle from the horizontal to the front plate.

FEATURES & BENEFITS

- High Front for Greater Capacity
- Buckets are Continuously Welded
- Hooded Back for Closer Spacing
- Typical In Cement, Gypsum or Other Powdery Materials
- Mounted on Chain or Belt
- Venting Available for Clean Filling and Discharge
- Options: Carbon Steel, Aluminum, Stainless Steel, AR Plate, Wear Lips, Hardened Surface and Hard Bead Weld
- Buckets Available In 14ga,12ga, 10ga, 7ga, 1/4", 5/16", 3/8", 1/2" Steel

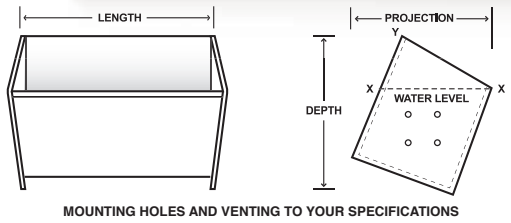
AC WELDED STEEL

BUCKET SIZE, INCHES				WEIGHT, LBS.		CAPACITY, CU. FT.*	
BUCKET SIZE	Length	Proj.	Depth	3/16" Steel	1/4" Steel	Filled to Line X-X	Filled to Line X-Y
12 x 8	12	8	8-1/2	18.25	24.30	0.231	0.303
14 x 8	14	8	8-1/2	20.30	27.00	0.271	0.356
16 x 8	16	8	8-1/2	22.48	29.98	0.311	0.408
18 x 10	18	10	10-1/2	31.15	38.95	0.488	0.691
20 x 10	20	10	10-1/2	33.68	42.10	0.542	0.768
24 x 10	24	10	10-1/2	39.67	52.69	0.651	0.921
27 x 12	27	12	12-1/2	53.84	71.46	1.072	1.474

* Weights are estimated and do not include bolt reinforcing plates. Bolt reinforcing plates are recommended if less then 8 bolts are used. Vent holes in bottom are optional in style AC buckets.
** Made to order. Available in other sizes.

SC WELDED STEEL

Industrial Welded Metal Elevator Buckets



MOUNTING HOLES AND VENTING TO YOUR SPECIFICATIONS

WELDED STEEL

SC WELDED STEEL

SC Welded Steel buckets generally utilize a 3-piece construction; the end caps fit on the outside of the body and are continuously welded to the body. There generally is no taper on the sides of the bucket.

FEATURES & BENEFITS

- Mounted Between Two Strands of Chain
- Suitable for Heaviest Materials
- Designed for Super Capacity Elevators
- Buckets are Continuously Welded
- Design Offers Increased Capacity
- Typical in Aggregate and Cement Applications
- Options: Carbon Steel, Aluminum, Stainless Steel, AR Plate, Wear Lips, Hardened Surface and Hard Bead Weld
- Buckets Available In 14ga,12ga, 10ga, 7ga, 1/4", 5/16", 3/8", 1/2" Steel
- See punching for chain and belt

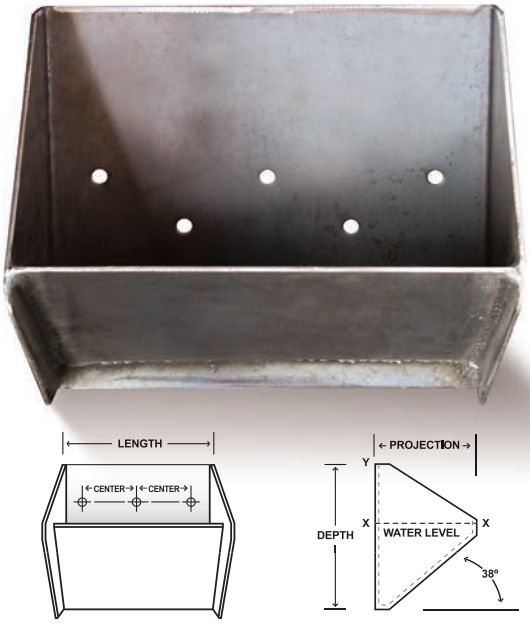
SC WELDED STEEL

BUCKET SIZE, INCHES				WEIGHT, LBS			CAPACITY, CU. FT.*	
BUCKET SIZE	Length	Proj.	Depth	10 Gauge Steel	3/16" Steel	1/4" Steel	Filled to Line X-X	Filled to Line X-Y
12 x 8 x 11	12	8-3/4	11-5/8	22	29	39	0.35	0.54
14 x 8 x 11	14	8-3/4	11-5/8	23	31	41	0.41	0.63
16 x 8 x 11	16	8-3/4	11-5/8	25	34	45	0.46	0.72
16 x 12 x 17	16	12	17-5/8	43	58	76	1.11	1.55
18 x 8 x 11	18	8-3/4	11-5/8	27	36	48	0.52	0.81
20 x 8 x 11	20	8-3/4	11-5/8	29	39	52	0.58	0.9
20 x 12 x 17	20	12	17-5/8	49	67	88	1.4	1.94
24 x 12 x 17	24	12	17-5/8	55	75	104	1.68	2.33
30 x 12 x 17	30	12	17-5/8	65	88	117	2.11	2.91
36 x 12 x 17	36	12	17-5/8	73	99	132	2.53	3.49

* Weights are estimated. Actual capacity depends on angle of material handled and inclination of elevator. Weight is dependent upon metal gauge used. ** Made to order. Available in other sizes.

MF WELDED STEEL

Industrial Welded Metal Elevator Buckets



MOUNTING HOLES AND VENTING TO YOUR SPECIFICATIONS

WELDED STEEL

MF CONTINUOUS (MEDIUM FRONT) WELDED STEEL

MF Welded Steel buckets generally utilize a 2-piece construction; a front plate inserts between a press-formed body and is continuously welded to the body on the outside joint. There is approximately a 38° angle from the horizontal to the front plate.

FEATURES & BENEFITS

- Buckets are Continuously Welded
- Typical In Cement, Gypsum or Other Powdery Materials
- Mounted on Chain or Belt
- Venting Available for Clean Filling and Discharge
- Options: Carbon Steel, Aluminum, Stainless Steel, AR Plate, Wear Lips, Hardened Surface and Hard Bead Weld
- Buckets Available In 14ga,12ga, 10ga, 7ga, 1/4", 5/16", 3/8", 1/2" Steel

MF WELDED STEEL

BUCKET SIZE, INCHES				WEIGHT, LBS.				CAPACITY, CU. FT.*	
BUCKET SIZE	Length	Proj.	Depth	12 Gauge Steel	10 Gauge Steel	3/16" Steel	1/4" Steel	Filled to Line X-X	Filled to Line X-Y
8 x 5 x 7	8	5	7-3/4	5.1	6.3	8.7	-	0.040	0.070
9 x 6 x 9	9	6	9-1/4	6.7	8.6	11.9	-	0.068	0.118
10 x 5 x 7	10	5	7-3/4	5.9	7.4	10.2	-	0.050	0.090
10 x 6 x 9	10	6	9-1/4	7.2	9.2	12.7	-	0.075	0.130
10 x 7 x 11	10	7	11-5/8	9.3	11.9	16.5	-	0.103	0.180
10 x 8 x 11	10	8	11-5/8	9.9	12.8	17.8	23.20	0.135	0.235
11 x 6 x 9	11	6	9-1/4	7.7	9.9	13.6	18.13	0.081	0.145
12 x 6 x 9	12	6	9-1/4	8.1	10.5	14.5	19.33	0.091	0.155
12 x 7 x 11	12	7	11-5/8	10.4	13.4	18.6	24.80	0.125	0.218
12 x 8 x 11	12	8	11-5/8	11.2	14.4	20.0	26.10	0.163	0.275
14 x 7 x 11	14	7	11-5/8	11.6	14.9	20.7	27.60	0.145	0.253
14 x 8 x 11	14	8	11-5/8	12.4	16.0	22.2	29.10	0.190	0.325
16 x 8 x 11	16	8	11-5/8	13.7	17.6	24.5	32.00	0.220	0.375
16 x 12 x 17	16	12	17-5/8	-	29.9	40.6	54.80	0.490	0.852
18 x 8 x 11	18	8	11-5/8	-	19.2	26.7	35.00	0.250	0.420
18 x 10 x 15	18	10	15	-	25.9	36.1	47.30	0.379	0.662
20 x 8 x 11	20	8	11-5/8	-	20.8	29.0	38.00	0.270	0.470
20 x 12 x 17	20	12	17-5/8	-	34.8	48.5	63.90	0.620	1.075
24 x 10 x 11	24	10	11-5/8	-	27.4	38.2	50.00	0.512	0.850
24 x 12 x 17	24	12	17-5/8	-	39.8	55.4	73.10	0.745	1.295

* Weights are estimated. ** Made to order. Available in other sizes.

HF WELDED STEEL

Industrial Welded Metal Elevator Buckets

MOUNTING HOLES AND VENTING TO YOUR SPECIFICATIONS

WELDED STEEL

HF CONTINUOUS (HIGH FRONT) WELDED STEEL

HF Welded Steel buckets generally utilize a 2-piece construction; a front plate inserts between a press-formed body and is continuously welded to the body on the outside joint. There is approximately a 45° angle from the horizontal to the front plate.

FEATURES & BENEFITS

- High Front for Increased Capacity
- Reduces Damage to Materials
- Buckets are Continuously Welded
- Mounted on Chain or Belt
- See Punching for Chain and Belt
- Options: Carbon Steel, Aluminum, Stainless Steel, AR Plate, Wear Lips, Hardened Surface and Hard Bead Weld
- Buckets Available In 14ga,12ga, 10ga, 7ga, 1/4", 5/16", 3/8", 1/2" Steel

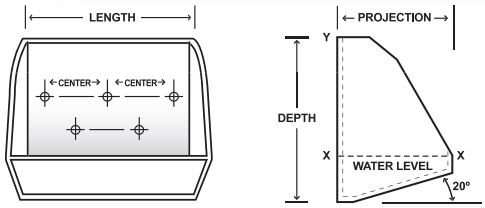
HF WELDED STEEL

BUCKET SIZE, INCHES				WEIGHT, LBS.				CAPACITY, CU. FT.*	
BUCKET SIZE	Length	Proj.	Depth	12 Gauge Steel	10 Gauge Steel	3/16" Steel	1/4" Steel	Filled to Line X-X	Filled to Line X-Y
8 x 5 x 7	8	5	7 3/4	4.9	6.2	8.5	-	0.052	0.080
10 x 5 x 7	10	5	7 3/4	5.7	7.3	10.0	-	0.065	0.100
10 x 6 x 9	10	6	9 1/4	7.2	9.1	12.6	-	0.098	0.145
10 x 7 x 11	10	7	11 5/8	9.1	11.6	16.0	20.9	0.130	0.190
12 x 6 x 9	12	6	9 1/4	8.3	10.4	14.4	19.2	0.115	0.175
12 x 7 x 11	12	7	11 5/8	10.3	13.2	18.2	23.9	0.155	0.240
12 x 8 x 11	12	8	11 5/8	11.3	14.3	20.0	26.0	0.205	0.295
14 x 7 x 11	14	7	11 5/8	11.5	14.8	20.4	26.7	0.184	0.280
14 x 8 x 11	14	8	11 5/8	12.6	16.0	22.4	28.1	0.240	0.350
16 x 8 x 11	16	8	11 5/8	13.9	17.7	24.7	32.2	0.275	0.395
16 x 12 x 17	16	12	17 5/8	-	30.3	41.9	55.0	0.635	0.900
18 x 10 x 15	18	10	15	-	26.2	36.1	47.7	0.485	0.720
20 x 12 x 17	20	12	17 5/8	-	35.1	49.1	64.6	0.800	1.150
24 x 12 x 17	24	12	17 5/8	-	40.5	56.3	74.3	0.960	1.305

* Weights are estimated. ** Made to order. Available in other sizes.

LF WELDED STEEL

Industrial Welded Metal Elevator Buckets



MOUNTING HOLES AND VENTING TO YOUR SPECIFICATIONS

WELDED STEEL

LF CONTINUOUS (LOW FRONT) WELDED STEEL

LF Welded Steel buckets generally utilize a 2-piece construction; a front plate inserts between a press-formed body and is continuously welded to the body on the outside joint. There is approximately a 20° angle from the horizontal to the front plate.

FEATURES & BENEFITS

- Designed for Inclined Elevators
- Mounted on Chain or Belt
- Suitable for Fine or Wet Materials
- Buckets are Continuously Welded
- See Punching for Chain and Belt
- Options: Carbon Steel, Aluminum, Stainless Steel, AR Plate, Wear Lips, Hardened Surface and Hard Bead Weld
- Buckets Available In 14ga,12ga, 10ga, 7ga, 1/4", 5/16", 3/8", 1/2" Steel

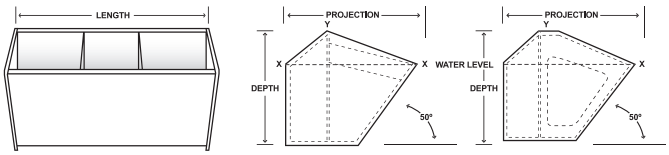
LF WELDED STEEL

BUCKET SIZE, INCHES				WEIGHT, LBS.				CAPACITY, CU. FT.*	
BUCKET SIZE	Length	Proj.	Depth	12 Gauge Steel	10 Gauge Steel	3/16" Steel	1/4" Steel	Filled to Line X-X	Filled to Line X-Y
10 x 6 x 9	10	6	9-1/4	6.8	8.8	12.1	-	0.035	0.168
10 x 7 x 11	10	7	11-5/8	8.5	10.8	15.1	-	0.050	0.242
12 x 6 x 9	12	6	9-1/4	7.8	10	13.8	-	0.042	0.201
12 x 7 x 11	12	7	11-5/8	9.6	12.3	17.1	22.8	0.060	0.302
12 x 8 x 11	12	8	11-5/8	11.2	14.4	20.1	26.8	0.075	0.347
14 x 7 x 11	14	7	11-5/8	10.7	13.7	19.1	25.5	0.070	0.345
16 x 8 x 11	16	8	11-5/8	13.6	17.4	24.3	32.4	0.101	0.463
16 x 12 x 17	16	12	17-5/8	-	29.3	40.7	53.6	0.229	1.093
18 x 10 x 15	18	10	15	-	25.4	35.0	46.5	0.183	0.494
20 x 8 x 11	20	8	11-5/8	-	20.5	28.5	38.0	0.126	0.573
20 x 12 x 17	20	12	17-5/8	-	33.9	47.1	62.0	0.287	1.365
24 x 12 x 17	24	12	17-5/8	-	38.5	53.5	70.5	0.346	1.643

* Weights are estimated. Actual capacity depends on angle of material handled and inclination of elevator. Weight is dependent upon metal gauge used. ** Made to order. Available in other sizes.

ACS WELDED STEEL

Industrial Welded Metal Elevator Buckets



MOUNTING HOLES AND VENTING TO YOUR SPECIFICATIONS

WELDED STEEL

ACS WELDED STEEL

ACS Welded Steel buckets generally utilize a 7-piece construction consisting of end plates, a body, interior braces and bearing plate; the end caps fit on the inside edge of the body and are continuously welded to the body. There is no taper on the sides of the bucket. Bearing plates are tack welded to inside of the body. There is approximately a 50 degree angle from horizontal to the front plate

FEATURES & BENEFITS

- High Front, Saddlebag or Wrap-around Feature Increases Capacity
- Center Braces and Bearing Plates Standard
- Buckets are Continuously Welded
- Suitable for Handling Abrasive Materials Such as Cement, Aggregate, etc.
- Hooded Back Permits Closer Bucket Spacing
- Options: Carbon Steel, Aluminum, Stainless Steel, AR Plate, Wear Lips, Hardened Surface and Hard Bead Weld
- Buckets Available In 14ga,12ga, 10ga, 7ga, 1/4", 5/16", 3/8", 1/2" Steel
- See Punching (pg 101) for Chain and Belt

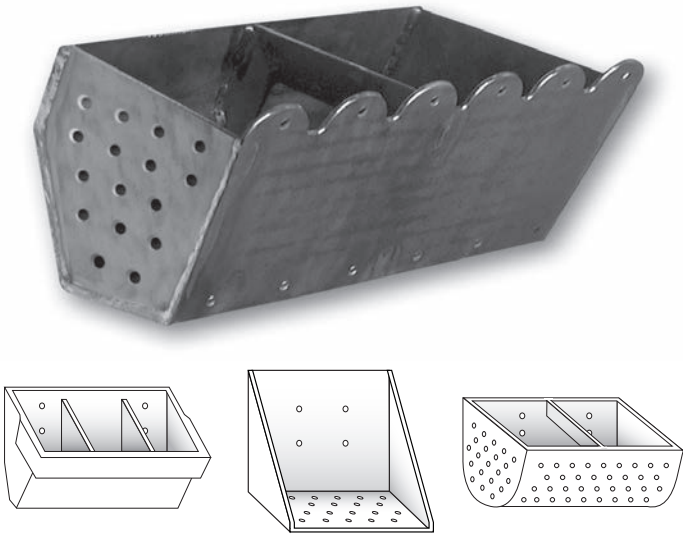
ACS WELDED STEEL

BUCKET SIZE, INCHES				WEIGHT, LBS			CAPACITY, CU. FT.*	
BUCKET SIZE	Length	Proj.	Depth	Steel w/ Lip	Steel w/o Lip	Aluminum	Filled to Line X-X	Filled to Line X-Y
14 x 12 x 11	14	12	11 3/8	36	32	15.3	0.37	0.53
16 x 12 x 11	16	12	11 3/8	39	35	17.2	0.44	0.62
18 x 12 x 11	18	12	11 3/8	42	37	19.0	0.51	0.71
21 x 14 x 13	21	14	13 3/8	56	51	25.3	0.78	1.08
24 x 14 x 13	24	14	13 3/8	62	56	27.3	0.93	1.28
27 x 15 x 13	27	15	13 3/8	72	65	32.3	1.29	1.62
30 x 15 x 13	30	15	13 3/8	84	77	37.3	1.47	2.84

* Weights are estimated. ** Made to order. Available in other sizes.

CUSTOM BUCKETS

Fabricated Steel Bucket Policy



CUSTOM ELEVATOR BUCKETS BUILT TO YOUR SPECIFICATIONS.

Call Us For A Custom Quote.

Providing customized solutions to solve your problems is important to Maxi-Lift. With our large custom metal fabrication shop, we can build products in almost any size, style, or design. Our engineers can work from your drawings, create CAD drawings for approval or copy a sample bucket. We can recommend a combination of materials to help solve wear and performance problems in difficult applications.

FABRICATED STEEL BUCKET POLICY

General Standards

- Elevator buckets are generally constructed of 14 Gauge, 12 Gauge, 10 Gauge, 7 Gauge, 1/4" or 3/8" materials. Bucket thicknesses may vary slightly in accordance with normal raw materials variances.
- Bucket tolerances for the length, projection and depth are + or – 1/8", and all dimensions on fabricated steel buckets are measured from the outside of the bucket, including wear lips or customizing options.
- Bolt holes are generally created using a plasma burner. There may be a small rounding perimeter of the hole where the plasma burner begins to cut. The holes will be approximately 1/16" larger than the bolt to be installed.
- Buckets are generally MIG (Metal Inert Gas) welded which is standard in the industry.
- Buckets are generally MIG welded continuously on the outside with approximately 1" of weld on the inside top corners of the elevator bucket. Small amounts of weld splatter are possible.
- Wear lips are generally MIG welded continuously on the top and sides and stitch welded on the bottom.
- Metal buckets may have some rust/oxidation due to uncontrollable factors such as condensation.

Customizing Options Available by Special Request

- Wear lips; Hard bead surface weld; Center braces; Vent holes
- Backing plates (outside of the bucket) or Bearing plates (inside of the bucket)
- Continuous welding on the inside of the bucket

Special Notes / Disclaimer

It is critical that all dimensions, angles, and bolt holes be field checked prior to equipment start up to avoid any conflict with existing structures and machinery and to insure proper functioning in the elevator. Please report any errors or discrepancies immediately by calling us toll-free at 800-527-0657 or 972-735-8855. All buckets are custom fabricated and are non-returnable.