

# TAPCO<sup>®</sup> INC.

St. Louis, Missouri U.S.A.

[www.tapcoinc.com](http://www.tapcoinc.com)

2006 - 2007

ELEVATOR BUCKETS - ELEVATOR BOLTS

PRODUCT GUIDE

# Welcome to the Fourth Edition of the Tapco Product Guide.

Dear Friends:

We are proud to be celebrating over 30 years in the business of producing the best nonmetallic elevator buckets in the industry! We were incorporated in October of 1974. This edition contains, along with everything from the third edition, several new and exciting items that will be of interest to you.

Following the success of our 9" projection CC-HD (Heavy Duty) buckets, we are now excited to announce the **20" x 10 CC-XD, the first of our 10" projection buckets in the new CC-XD (Xtreme Duty) design.** It will have incredible carrying capacity and strength. Production will be made in polyethylene, urethane and nylon. These CC-XD buckets start on page 18.

We are also having great acceptance of our new **industrial style AA buckets.** This is our complete new line of injection molded buckets. These new molds bring our nonmetallic AA buckets into conformance with the original mill standard design – **the true industry standard.** These buckets begin on page 40.

Please check page 34 for information on our **new line of Super EuroBuckets.** These buckets are a direct interchange with existing pressed steel buckets from Europe. We are very pleased with the success of these new buckets.

Specifications for our **digger buckets** begin on page 28. Along with the digger buckets, we have added further information on our well established line of **steel fabricated buckets.** They range from styles AA to SC. Specs start on page 50.

We have also added the highly proven **Scandura Dura-Splice™** elevator belt fastener to our line. This splice, along with the popular **Jackson Plate Belt Fastener,** gives Tapco the widest range of elevator belt splices on the market. Both styles are stocked for immediate shipment from Tapco to you.

So...as we begin our fourth decade, you can see why we are excited about this new catalog. Please contact any of us at Tapco with questions that you may have about these new products or enhancements. We are eager to serve your elevator needs for at least the next 30 years!

For any company, address, phone number, name changes, or if you have additional members of your staff who would like to receive a Tapco Product Guide, please contact us at any time.

Sincerely, the Tapco Team

**Tapco Inc.**  
225 Rock Industrial Park Drive  
St. Louis, Missouri 63044 USA  
[www.tapcoinc.com](http://www.tapcoinc.com)

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# **TAPCO<sup>®</sup> INC.**

The Largest Manufacturer of Elevator Buckets in North America

Tapco Inc. was conceived in the early 1970s by Paul D. Taylor, President and Ted W. Beaty, Executive Vice President, to fill a void in the elevator bucket industry. At that time, there were only a small number of nonmetallic buckets manufactured in the U.S.A. All the other buckets were made from fabricated steel. With the inherent problems of steel buckets and the limited range of the existing polyethylene styles, the time was right for Tapco.

The name Tapco is derived from, Ted And Paul's Company. The company has been in its own 75,000 square foot facility for over 20 years. Tapco has eight (8) injection molding machines ranging from a small 150 ton to a very large 1,000 ton press. This allows us to make our entire range of buckets in the most expedient and quality controlled manner. Tapco stocks the largest inventory of elevator buckets and bolts in the world; some 900,000 buckets and 12,000,000 bolts. We also have the largest inventory of abrasion resistant sheeting, drag flights and hanger bearings in North America. We have the products that you need, when you need them, and at a competitive price! Our staff is geared to handle the most urgent of emergencies.

We at Tapco feel the future is unlimited. There are plans for new and different products relating to bulk material handling. Our exporting is growing every day. We have shipped to more than fifty different countries around the world. Stocking distributors are located strategically in North America, Central America, South America, Australia, Western Europe and the Pacific Rim. This segment of the market is keyed for further growth.

Tapco is continuously researching new technologies to better serve our customers. Product research has been a priority for many years. Innovations in the company's state of the art processing enables Tapco to meet the customized needs of its diverse customers. Tapco uses the highest quality material for their buckets; 100% prime virgin high density linear polyethylene, impact modified nylon and thermoplastic urethane.

Our mission at Tapco is to provide the highest value products and service at the best price. The company's focus is on building and maintaining "Solid and Reputable" relationships with its customers. With our high quality staff, we are able to serve your needs promptly. Most importantly, we appreciate and are proud of you, our customer. We look forward to serving you for many more years, and welcome any suggestions on how we can work closer in the future.



■ **Precise Discharge**

*Consistent profile shape assures uniform discharge characteristics over the entire bucket range.*

■ **Perfect Fit**

*Direct interchange and replacement of style CC and European pressed steel buckets. No modifications to your elevator are needed.*

■ **Profitable, High-Speed Handling**

*Tested and proven designs allow a direct, compact discharge path for improved, high-speed performance.*

■ **Increased Safety**

*Nonmetallic materials eliminate the possibility of explosion-causing sparking from bent and torn steel buckets.*

■ **Ease of Installation**

*Lighter weight aids in mounting buckets and reduces load on belt and running components. Nonmetallic materials eliminate hazardous sharp edges of steel buckets.*

■ **Prevents Backlegging**

*Straight sided CC design helps end costly backlegging.*

## How Tapco Buckets Make a World of

Now available, only from Tapco, the most popular bucket designs in the world! These incredible buckets will fit your elevator no matter where in the world you operate your facility.

For North American style elevators: the classic CC-HD (Heavy-Duty) and the NEW CC-XD (Xtreme-Duty). Tapco CC-XD

buckets are manufactured with 35% more material throughout the entire bucket – making it the strongest on the market. For European style elevators: the Super EuroBucket.

Turn to Tapco for solid information and answers. Do you need more capacity? Consider the Tapco 8" and 9" CC-HD

Super Capacity buckets. Our 9" projection cups provide 25% more capacity than the 8" buckets at a very cost effective price.

Wear and tear is a fact of life in many elevators. Are you using the best bucket material for your application? Tapco urethane buckets are known for their exceptional wear characteristics. Our



■ **Tough & Flexible**

*Injection molded polyethylene “gives” or “yields” to bypass obstructions in your elevator, allowing the bucket to return to its original shape.*

■ **Unequaled Strength**

*Thick walls and high-impact polyethylene provide exceptional strength.*

■ **Accurate & Reliable Capacity Ratings**

*Equal or greater carrying capacity of equivalent steel buckets. Smooth, rounded front lip aids in filling of bucket.*

■ **Increased Production**

*Engineered designs allow closer bucket spacing for more product throughput per hour. New 9” and 10” projection buckets provide maximum capacity in your elevator.*

■ **Cost Efficient**

*Prime virgin nonmetallic materials give unsurpassed bucket life for maximum return on investment.*

**New: 10”  
Projection!**

■ **Ordered Today, Shipped Today**

*900,000 buckets in stock worldwide in 60 sizes, 3 styles & 4 materials for fast delivery!*

**STYLE CC-XD**

## Difference in Your Elevator Facility...

nylon buckets are extremely strong, yet lightweight. If you are not using Tapco buckets, you are not getting the most out of your elevator!

Connect with Tapco, or your favorite distributor, and find out why Tapco buckets are the most specified brand in North America.



**FANGED  
HEAD Elevator  
Bolt**



**FLAT  
COUNTERSUNK  
HEAD  
Elevator Bolt**

Tapco elevator bolts have been specifically designed to work with nonmetallic buckets.

To achieve the ultimate assembly, use Tapco fanged elevator bolts and self-locking nuts. Tapco stocks over 12 million bolts in 4 styles.

If you would like to improve elevator performance at your facility, contact Tapco or visit [www.tapcoinc.com](http://www.tapcoinc.com).

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**“When corn and soybean loads substantially increased, we needed buckets we could rely on for fast throughput. The Tapco 9" CC-HD buckets actually OVER PERFORMED and increased our bph capacity.”**

Lanny Klett, *Rake Location Manager*  
 FARMERS COOPERATIVE CO.  
 Rake, Iowa, U.S.A.

## How Tapco Buckets Make Legs Run Faster

Business is booming at the Farmers Cooperative Company (FC) in Rake, Iowa. In fact, last year the volume of corn and soybeans



**STYLE CC-HD**

The HEAVY DUTY Nonmetallic Elevator Bucket  
 Polyethylene • Urethane • Nylon

unloaded from trucks and wagons increased substantially. In July 2003, FC upgraded one leg with a 72" pulley. Three months later, another leg was built with a 48" pulley. Both legs were equipped with Tapco 9" "Super Capacity" CC-HD buckets.

Rake Location Manager Lanny Klett says, "We told Tapco what we were looking for and they made a recommendation. We trusted Tapco because of their reputation and experience."

Klett explains, "The leg with the 72" pulley handles 27,000 bushels per

hour (bph) and the leg with the 48" pulley handles 26,000. That is pretty impressive since the smaller pulley works harder, and the Tapco buckets are rated at 25,000-bph. We've had the same success using Tapco buckets on our other legs, too."

The new Tapco 9" buckets enabled FC to increase their capacity from 50,000 to 53,000-bph without breaking stride. "Faster handling makes everyone happy, including our customers," Klett says, "which is why I'd recommend Tapco buckets to others."

Call us or visit [www.tapcoinc.com](http://www.tapcoinc.com) to find out why 80% of design engineers, contractors and bucket elevator manufacturers trust Tapco buckets\* to keep business moving.



**FLAT COUNTERSUNK HEAD (No. 1 NORWAY)**  
 Elevator Bolt

**FANGED HEAD**  
 Elevator Bolt

# TAPCO INC.

ELEVATOR BUCKETS - ELEVATOR BOLTS

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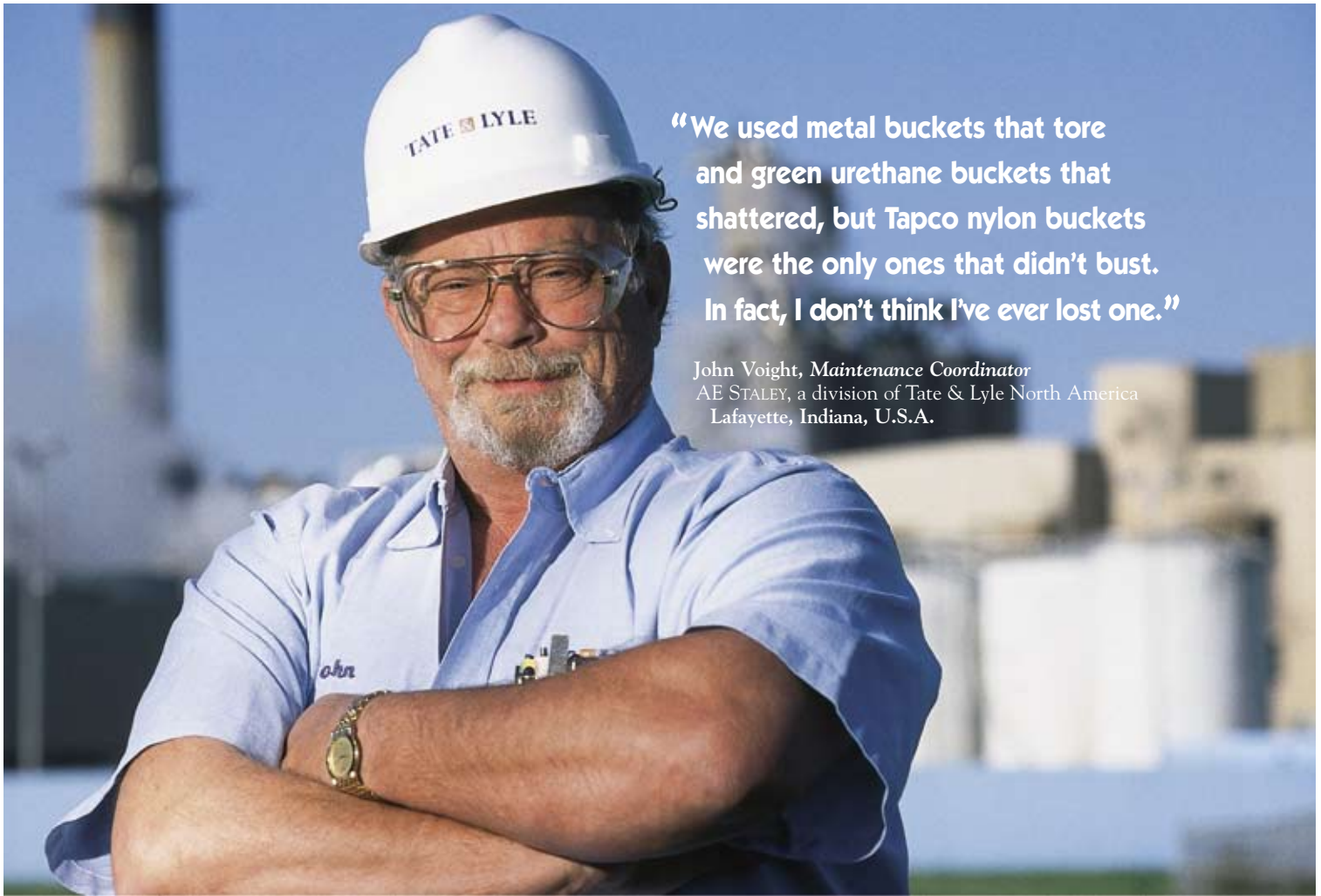
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**“We used metal buckets that tore and green urethane buckets that shattered, but Tapco nylon buckets were the only ones that didn’t bust. In fact, I don’t think I’ve ever lost one.”**

John Voight, *Maintenance Coordinator*  
 AE STALEY, a division of Tate & Lyle North America  
 Lafayette, Indiana, U.S.A.

## Some Tapco Customers Like Our Buckets So Much, They May Never Order Them Again

“Our facility runs 365 days a year. We receive corn 12 hours a day by truck and dump rail corn by night which keeps the belts in both of our elevator legs moving,” John Voight, AE Staley explains. “When the plant was built in 1976 they used metal buckets. But those would tear and scrape against the metal legs and cause friction – which is a major hazard in grain facilities where dust explosions can happen.”



**STYLE CC-HD**  
 Nylon **SUPER TOUGH** Elevator Bucket  
 Polyethylene • Urethane

“We went to green urethane buckets to solve the problem, but they just shattered in the winter. When I’d change them out, the only thing left was the back of the bucket bolted on. It was a joke.”

Voight decided to put numerous types of buckets to the test in actual working conditions. Using many brands, he put the buckets on a belt intermittently and ran it to see what would happen.

“The Tapco nylon buckets were the only ones that stood up,” he says. “They wear good, are strong and have accurate capacity. Since we replaced the buckets, I’ve never lost one.”

In fact, Tapco buckets continue to perform so well, Voight just purchased 280 more to replace existing steel buckets, enabling him to completely change out a pellet elevator leg at the plant.

“Which means I guess I won’t be talking to my distributor anytime too soon.” Fortunately with success stories like this, a lot of other people will.

With 600,000 buckets in 60 sizes, stocked in the U.S.A. and throughout the world, you can count on Tapco to help keep your facility running at top performance.

Contact Tapco or visit our website at [www.tapcoinc.com](http://www.tapcoinc.com) and find out why 80% of design engineers, contractors and bucket elevator manufacturers specify Tapco\* with no equal.



**FLAT COUNTERSUNK HEAD (No. 1 NORWAY)**  
 Elevator Bolt

**FANGED HEAD**  
 Elevator Bolt

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**“After two years, we took down the buckets and compared. Others were worn out, but the Tapco urethane buckets looked as good as the day they were installed! It was a real awakening!”**

**John Looman, Maintenance Supervisor**  
WEST MICHIGAN MILLS, a division of Hamilton Farm Bureau  
Holland, Michigan, U.S.A.

## To Handle the Rough Stuff, Talk Turkey With Tapco

Although West Michigan Mills is not located in Tapco's home state of Missouri, Maintenance Supervisor John Looman appreciates the "Show Me" state motto and recommends that others use it when evaluating buckets.



### **STYLE CC-HD**

**Urethane SEVERE DUTY Elevator Bucket**  
Polyethylene • Nylon

"Turkey and hog feed pellets are very rough and abrasive," Looman explains. "So after reviewing wear characteristics, we ordered 25 buckets from several manufacturers and installed them to see how they would hold up under real conditions."

West Michigan Mills has been processing more than 2,100 tons of feed each week for more than 30 years and knew the buckets were in for a real workout.

"Other brands completely wore out and had to be replaced way too fast," Looman says. "But I got a real awakening last week. We checked the Tapco 12" x 7" CC-HD urethane buckets for the first time in two years and they looked EXACTLY the same as the day we installed them!"

"When something good happens, I like to say it," Looman confirms. "Tapco urethane buckets really perform like they say they will – even when others fall apart."

Which is probably why 80% of design engineers, contractors and bucket elevator manufacturers in the U.S.A. specify Tapco buckets\*.

Contact Tapco or visit [www.tapcoinc.com](http://www.tapcoinc.com) today to help keep your business running smoothly, even in rough conditions.



**FANGED HEAD Elevator Bolt**



**FLAT COUNTERSUNK HEAD (No. 1 NORWAY) Elevator Bolt**

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# STRENGTH BEYOND COMPARISON

With 2000 lb. load



## ONE 9X5 TAPCO POLYETHYLENE ELEVATOR BUCKET SUPPORTS A 2000 LB. VOLKSWAGEN!

Only TAPCO buckets are molded from **prime virgin** polyethylene in a grade this tough.  
The most common cause of bucket elevator downtime is "bucket failure".  
TAPCO buckets keep working long after other brands fail!  
Minimize your downtime. Use TAPCO elevator buckets.

# TAPCO<sup>®</sup> INC.

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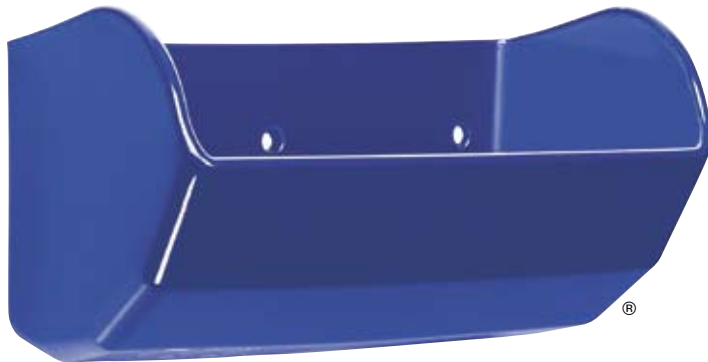
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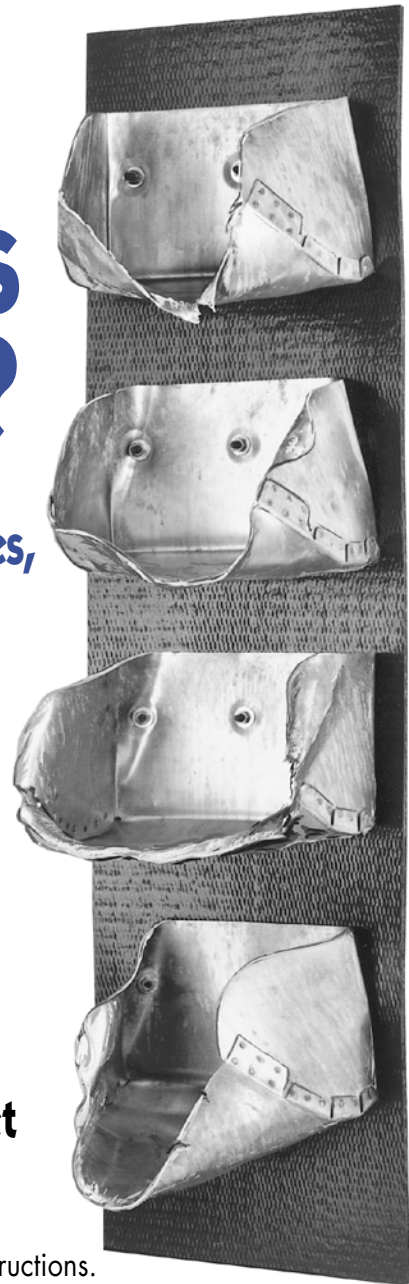
# Have You Experienced This In Your Elevator?

For over 30 years, and in more than 50 countries, Tapco has been solving the problem of bent & torn steel buckets.



## The "HEAVY DUTY" nonmetallic elevator bucket

Polyethylene • Urethane • Nylon



During a "hang-up" the Tapco bucket will "give or yield" to bypass obstructions. Then its memory will return it to its original shape. In tests, we have pulled the front lip down below the bottom of the bucket – it did not crack or tear – but slowly returned to a usable condition.

**Prevent sparking from bent metal buckets.**  
**Replace your steel buckets with Tapco — the bucket with a memory.**

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The color blue, when used in connection with elevator buckets, is a U.S. registered trademark owned by Tapco Inc.



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# TAPCO INC. Elevator Buckets and Bolts - sizes and styles available

St. Louis, Missouri USA

Tapco offers elevator buckets for every need and for all types of products.

Size (Nominal) Inches	Polyethylene, Nylon, Urethane or Fabricated Steel					Nylon, Ductile Iron, Polyethylene, Urethane, Aluminum or Fabricated Steel			
	CC HD	XD	CC-B	U-HD	Low Profile	EuroBucket Super EuroBucket	Style AA	Style AC	Continuous
3 X 2	•				•				
4 X 2-3/4							•		
3-3/4 X 3					•				
4 X 3	•		•	•	•				
4 X 3-1/2				•		•			
5 X 3-1/2							•		
5 X 4	•		•		•				
6 X 4	•		•		•		•		•
7 X 4	•		•	•	•				
5 X 4-1/2						•			
7 X 4-1/2				•			•		
6 X 5	•		•	•	•	•			
7 X 5	•		•		•				
8 X 5	•		•		•		•		•
9 X 5	•		•		•				
10 X 5	•		•		•				•
11 X 5	•		•		•				
12 X 5	•		•		•		•		
15 X 5							•		
19 X 5							•		
7 X 5-1/2						•			
8 X 5-1/2						•			
9 X 5-1/2					•				
11 X 5-1/2				•	•				
18 X 5-1/2				•	•				
20 X 5-1/2				•	•				
8 X 6	•		•	•	•				
9 X 6	•		•		•		•		•
10 X 6	•		•		•		•		•
11 X 6	•		•		•		•		•
12 X 6	•		•		•		•		•
13 X 6	•		•		•		•		•
14 X 6	•		•		•				
9 X 6-1/2						•			
11 X 6-1/2						•			
10 X 7	•		•		•				•
11 X 7	•		•		•				
12 X 7	•	•	•	•	•	•	•		•
13 X 7	•		•		•		•		
14 X 7	•	•	•		•		•		•
15 X 7	•		•		•		•		
16 X 7	•	•	•		•		•		
18 X 7	•		•		•		•		
20 X 7	•		•		•		•		
10 X 8	•		•		•				•
11 X 8	•		•		•				
12 X 8	•		•		•			•	•
13 X 8	•	•	•		•				
14 X 8	•	•	•		•		•		•
15 X 8	•		•		•				
16 X 8	•	•	•		•		•	•	•
18 X 8	•	•	•		•		•		•
20 X 8	•	•	•		•		•		•
22 x 8		•			•				
24 X 8		•	•				•		
13 X 8-1/2						•			
15 X 8-1/2						•			
16 X 9	•		•		•				
20 X 9	•		•		•				
16 x 10		•							
18 X 10		•					•		•
20 x 10		•							
24 X 10							•		

### Polyethylene, Nylon or Urethane Style CC-HD, XD & U-HD:



A heavy duty agricultural bucket for handling grains, feeds, fertilizers, seeds, salt, sand, chemicals, and a variety of other free flowing materials. Polyethylene is ideal for most applications, while nylon or urethane is recommended for highly abrasive products or extremely high throughput elevators.

### Polyethylene, Nylon or Urethane Low Profile:



The same CC-HD, XD or U-HD style agricultural duty bucket as described above only modified to a "low profile" to allow closer spacing on the belt. Used to increase bucket elevator capacity over what can be achieved using conventional buckets and spacings.

### Polyethylene, Nylon, Urethane Super EuroBucket & EuroBucket:



A European style agricultural duty bucket molded in a "low profile" configuration. Super EuroBuckets and EuroBuckets are a direct interchange/replacement of European pressed steel and molded nonmetallic buckets.

### Nylon, Polyethylene or Urethane Style AA and AC:



An industrial duty bucket for handling foundry sand, sand and gravel, coal, fertilizers, clay, salt and many other industrial materials.

### Ductile Iron or Aluminum Style AA and AC:



An industrial duty bucket for handling stone, foundry sand, sand and gravel, coal, fertilizers, clay, salt and many other industrial materials. Iron is ideal for large, dense, sluggish products or sharp cutting products such as crushed glass. Aluminum is a light weight bucket for nonabrasive products in hot applications (250°F to 400°F / 121°C to 204°C) where nonmetallic buckets can not be used because of the high temperature.

### Fabricated Steel Style CCB, Nu-Hy and Sweetheart:



Agricultural duty buckets for handling grain, feeds, fertilizers, seeds, salt, sand, chemicals, food products, and a variety of other free flowing materials. Steel is ideal for sharp cutting products such as crushed glass and hot applications (over 275°F / 135°C) where nonmetallic buckets can not be used.

### Fabricated Steel Continuous:



An agricultural and/or industrial duty bucket designed for use on "continuous type" bucket elevators. Runs at slow speed for gentle handling of a wide range of sluggish or fragile materials.

### No. 1 Norway Flat Countersunk Head:

A large diameter thin flat countersunk head bolt with plenty of surface area to secure the bucket and minimize chances of head "pullthrough" during hang ups. For use on pulleys larger than 6 inches in diameter.

### No. 3 Eclipse Slotted Head:

A smaller diameter ribbed and slotted head bolt for use on pulleys 6 inches and smaller in diameter.

### Fanged Head:

A large diameter thin countersunk head bolt similar to a No. 1 but with two fangs on the underside of head. Fangs penetrate the belt and prevent the bolt from turning during installation and removal. For use on pulleys larger than 6 inches in diameter. Pointed end aids in installation of bolt. Select sizes available with metric threads.

Length (Nominal) Inches	No. 1 Norway				No. 3 Eclipse		Fanged		Pointed Fanged	
	1/4-20	5/16-18	3/8-16	1/2-13	1/4-20	5/16-18	1/4-20	5/16-18	3/8-16	
3/4	•	•	•		•	•	•	•	•	
1	•	•	•		•	•	•	•	•	
1-1/4	•	•	•		•	•	•	•	•	•
1-1/2	•	•	•	•	•	•	•	•	•	•
1-3/4	•	•	•	•			•	•	•	•
2	•	•	•	•			•	•	•	•
2-1/4	•	•	•	•			•	•	•	•
2-1/2	•	•	•	•			•	•	•	•
2-3/4	•	•	•	•						
3	•	•	•	•						

• Steel    ■ Zinc Plate    ◆ Stainless

Contact Tapco for other material options.



# CC-HD "HEAVY DUTY" Elevator Bucket

## HIGH DENSITY POLYETHYLENE

### FOR USE IN FREE FLOWING PRODUCT APPLICATIONS

47  
SIZES  
STYLE CC-HD  
&  
STYLE U-HD



PRIME  
VIRGIN  
POLYETHYLENE

**AGRICULTURAL STYLE FOR HANDLING:**  
GRAINS, FEEDS, FERTILIZERS, SEEDS, SALT, SAND,  
CHEMICALS, and FOOD PRODUCTS

#### FEATURES:

LONG LASTING, TOUGH AND FLEXIBLE, THICK WALLS, LIGHT WEIGHT, CLEAN DISCHARGE,  
LESS PRODUCT DAMAGE, REDUCES BACKLEGGING, NONSPARKING, NONCORROSIVE

#### TECHNICAL INFORMATION

**STYLE:** CC-HD (Heavy Duty) and U-HD (Heavy Duty).

**DESIGN:** High speed centrifugal discharge.

**MATERIAL:** High density linear polyethylene.

**METHOD OF MANUFACTURE:** Injection molded.

**COLOR:** Blue. White, special order for flour, sugar, etc..

**TEMPERATURE RANGE:** -60°F to +200°F/-51°C to +93°C.

**FLAMMABILITY:** The high density polyethylene used in Tapco buckets is termed "slow burning". It has been tested under ASTM Test No. D635. It also meets the criteria for approval under the Motor Vehicle Safety Standard No. 302 and Underwriters' Laboratory Bulletin No. 94. Combustion in an excess of air results in harmless by-products (fumes) which are nontoxic.

**STANDARD DRILLING:** No Charge.

**SPECIAL DRILLING:** Any pattern and hole diameter can be provided at minimal cost.

**VENTING:** Available in five standard patterns. See page 78 for specifications.

**USABLE CAPACITY:** Net or usable capacity could range from 10% to 20% above water level. For engineering purposes Tapco recommends using WL (Water Level) + 10% for usable capacity.

**SPACING:** Minimum bucket spacing has historically been nominal projection plus 2". Many style CC buckets, however, are being used at projection plus 1", and some even closer. For engineering purposes Tapco recommends using nominal projection plus 2".

**INTERCHANGEABILITY:** Can be intermixed with existing steel or nonmetallic buckets. Some consideration should be given to balance. Bucket projection varies by manufacturer and material. Check elevator for proper clearances. Contact Tapco for recommendations.

**INSTALLATION:** Fanged elevator bolts and nylon insert lock nuts are recommended for pulleys 6" in diameter and over. No. 3 Eclipse slotted head elevator bolts are recommended for pulleys under 6" in diameter. **Flat steel washers must be placed inside the bucket under the nuts.** Check elevator for proper clearances.

**FDA STATUS:** Polyethylene used meets the requirements of the Food Additives Law and Regulation No. 177.1520. Blue pigment meets Regulations No. 175.300 and 177.2600.

**UV RESISTANCE:** No UV (ultraviolet) stabilizers are added to Tapco buckets because most elevator buckets are enclosed in casings. Tapco buckets should not be exposed to direct sunlight for extended periods of time.

**RECOMMENDATIONS:** Polyethylene buckets are ideal for use with grains, feeds, fertilizers, seeds, food products, chemicals, sand, salt and most free flowing agricultural products handled in bucket elevators.

**LIMITATIONS:** Polyethylene buckets should not be used with the following: (1) Materials over 200°F/93°C. (2) Sharp edged materials such as crushed glass or oyster shells. (3) Large dense materials such as gravel and ores over 3/8" diameter. (4) A few extremely abrasive and sluggish materials such as dried whey, some pellets and extruded feeds. (5) Some severe soybean and rice applications.

**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion. Polyethylene buckets can be ignited and will burn from improper welding and cutting.

**IMPORTANT:** When elevating certain materials that harden or set up with moisture, a Tapco steel digger bucket should replace every 10th polyethylene bucket. See page 24 for specifications

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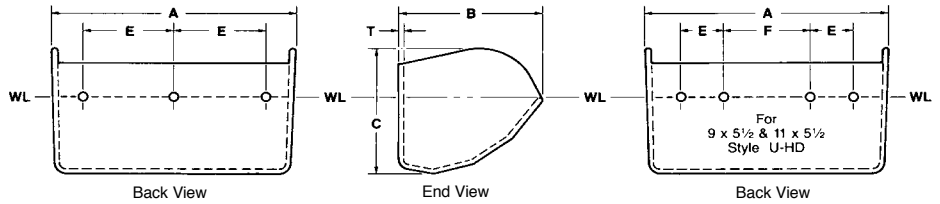
The color blue, when used in connection with elevator buckets, is a U.S. registered trademark owned by Tapco Inc.

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# HIGH DENSITY POLYETHYLENE ELEVATOR BUCKETS



## STYLE CC-HD BUCKETS

SIZE (Nominal) Metric	SIZE (Nominal) Inches	Dimension-Actual (Inches) Tolerance A, B, C ± 3/16" T ± 1/64"					Drilling-Standard (Inches) Holes Drilled 1/32" Oversize			Capacity ① Tolerance ± 3%				Spacing on Belt (Min.) Inches	Weight (Pounds)		Number Per Carton
		Length A	Proj. B	Depth C	Thickness T	Center to Center E	Center to Center F	Number of Holes	Bolt Diameter	WL		WL + 10%			Each (Average)	Per Carton (Average)	
80-60	3 X 2	3-1/4	2-1/2	2-1/16	11/64	1-3/4	2	1/4	6.0	.0035	6.6	.0038	3	0.13	3.6	24	
120-80	4 X 3	4-1/4	3-1/2	3-1/16	3/16	2-1/2	2	1/4	16.8	.0097	18.5	.0107	4	0.26	7.1	24	
140-120	5 X 4	5-1/4	4-1/2	4-1/16	13/64	3-3/16	2	1/4	35.8	.0207	39.4	.0228	5	0.46	12.6	24	
160-120	6 X 4	6-1/4	4-1/2	4-1/16	13/64	4-3/8	2	1/4	43.3	.0251	47.6	.0276	5	0.53	13.8	24	
180-120	7 X 4	7-1/4	4-1/2	4-1/16	13/64	2-11/16	3	1/4	49.7	.0288	54.7	.0316	5	0.60	15.9	24	
160-140	6 X 5	6-5/16	5-1/2	5-1/16	1/4	4-3/8	2	1/4	68.3	.0395	75.1	.0435	6	0.80	20.8	24	
180-140	7 X 5	7-5/16	5-1/2	5-1/16	1/4	2-11/16	3	1/4	75.8	.0439	83.4	.0483	6	0.98	25.2	24	
200-140	8 X 5	8-5/16	5-1/2	5-1/16	1/4	3-1/16	3	1/4	85.4	.0494	93.9	.0544	6	1.10	28.3	24	
230-140	9 X 5	9-5/16	5-1/2	5-1/16	1/4	3-5/8	3	1/4	97.9	.0567	107.7	.0623	6	1.02	26.4	24	
260-140	10 X 5	10-5/16	5-1/2	5-1/16	1/4	4-1/8	3	1/4	113.5	.0657	124.9	.0723	6	1.24	32.1	24	
280-140	11 X 5	11-5/16	5-1/2	5-1/16	1/4	3	4	1/4	127.2	.0736	139.9	.0766	6	1.27	32.7	24	
300-140	12 X 5	12-5/16	5-1/2	5-1/16	1/4	3-3/8	4	1/4	143.1	.0828	157.4	.0911	6	1.35	34.8	24	
200-160	8 X 6	8-5/16	6-5/8	6-1/16	1/4	3-1/16	3	1/4	124.5	.0720	137.0	.0793	7	1.34	35.0	24	
230-160	9 X 6	9-5/16	6-5/8	6-1/16	1/4	3-5/8	3	1/4	135.9	.0786	149.5	.0865	7	1.45	37.6	24	
260-160	10 X 6	10-5/16	6-5/8	6-1/16	1/4	4-1/8	3	1/4	150.4	.0870	165.4	.0957	7	1.57	40.5	24	
280-160	11 X 6	11-5/16	6-5/8	6-1/16	1/4	3	4	1/4	173.4	.1003	190.7	.1104	7	1.69	43.5	24	
300-160	12 X 6	12-5/16	6-5/8	6-1/16	1/4	3-3/8	4	1/4	185.4	.1073	203.9	.1180	7	1.76	45.2	24	
330-160	13 X 6	13-5/16	6-5/8	6-1/16	1/4	3-5/8	4	1/4	203.8	.1179	224.2	.1297	7	1.85	24.6	12	
350-160	14 X 6	14	6-5/8	5-7/8	1/4	3	5	1/4	198.3	.1148	218.1	.1262	7	1.98	26.2	12	
260-180	10 X 7	10-7/16	7-3/4	7-1/16	9/32	4-1/8	3	5/16	219.4	.1270	241.3	.1397	8	2.01	18.5	8	
280-180	11 X 7	11-7/16	7-3/4	7-1/16	9/32	3	4	5/16	234.2	.1355	257.6	.1491	8	2.31	21.1	8	
300-180	12 X 7	12-7/16	7-3/4	7-1/16	9/32	3-3/8	4	5/16	248.2	.1436	273.0	.1580	8	2.43	22.0	8	
330-180	13 X 7	13-7/16	7-3/4	7-1/16	9/32	3-5/8	4	5/16	284.4	.1646	312.8	.1810	8	2.62	23.7	8	
350-180	14 X 7	14-7/16	7-3/4	7-1/16	9/32	3	5	5/16	301.9	.1747	332.1	.1922	8	2.76	25.0	8	
370-180	15 X 7	15-7/16	7-3/4	7-1/16	9/32	3-1/4	5	5/16	331.4	.1918	364.5	.2110	8	3.02	26.9	8	
400-180	16 X 7	16-7/16	7-3/4	7-1/16	9/32	2-7/8	6	5/16	346.5	.2005	381.2	.2206	8	3.13	27.9	8	
450-180	18 X 7	18-7/16	7-3/4	7-1/16	11/32	3-1/8	6	5/16	396.7	.2296	436.4	.2525	8	4.00	35.9	8	
500-180	20 X 7	20-7/16	7-3/4	7-1/16	13/32	3-1/2	6	5/16	433.3	.2508	476.6	.2758	8	4.50	41.9	8	

## STYLE CC-HD "SUPER CAPACITY" BUCKETS

260-215	10 X 8	10-7/16	8-3/4	8-13/16	11/32	4-1/8	3	5/16	297.0	.1719	326.7	.1891	9	2.95	26.6	8
280-215	11 X 8	11-7/16	8-3/4	8-13/16	11/32	3	4	5/16	325.9	.1886	358.5	.2075	9	2.99	26.9	8
300-215	12 X 8	12-7/16	8-3/4	8-13/16	11/32	3-3/8	4	5/16	362.0	.2095	398.2	.2304	9	3.02	27.4	8
330-215	13 X 8	13-7/16	8-3/4	8-13/16	11/32	3-5/8	4	5/16	390.2	.2258	429.2	.2484	9	3.17	28.8	8
350-215	14 X 8	14-7/16	8-3/4	8-13/16	11/32	3	5	5/16	429.6	.2486	472.6	.2735	9	3.31	30.0	8
370-215	15 X 8	15-7/16	8-3/4	8-13/16	11/32	3-1/4	5	5/16	458.9	.2656	504.8	.2921	9	3.72	33.2	8
400-215	16 X 8	16-7/16	8-3/4	8-13/16	3/8	2-7/8	6	5/16	511.1	.2958	562.2	.3254	9	4.27	37.7	8
450-215	18 X 8	18-7/16	8-3/4	8-13/16	25/64	3-1/8	6	5/16	564.4	.3266	620.8	.3593	9	4.89	43.2	8
500-215	20 X 8	20-7/16	8-7/8	8-15/16	13/32	3-1/2	6	5/16	644.2	.3728	708.6	.4101	9	5.77	52.2	8
400-250	16 X 9	16-7/16	10	10-1/8	7/16	2-7/8	6	5/16	614.8	.3558	676.3	.3914	10	6.06	39.4	6
500-250	20 X 9	20-7/16	10	10-1/8	15/32	3-1/2	6	5/16	770.5	.4459	847.6	.4905	10	7.75	49.9	6

## STYLE U-HD BUCKETS fit Universal Industries Elevators

120-80	4 X 3	3-7/8	3	3-1/16	3/16	1-7/8	2	1/4	11.3	.0065	12.4	.0072	3-1/4	0.19	5.6	24
160-120	6 X 4	6-1/4	4-1/8	4-1/16	13/64	2-3/4	2	1/4	35.4	.0205	38.9	.0225	4-1/4	0.51	13.4	24
180-120	7 X 4-1/2	7-1/4	4-3/8	4-1/16	13/64	2-1/2	3	1/4	44.2	.0256	48.6	.0281	5	0.58	15.1	24
230-150	9 X 5-1/2	9-5/16	5-1/2	5-1/16	1/4	1-3/4	4	1/4	97.9	.0567	107.7	.0623	6	1.02	26.4	24
280-150	11 X 5-1/2	11-5/16	6-5/8	6-1/16	1/4	1-3/4	5	1/4	173.4	.1003	190.7	.1104	6	1.69	43.5	24
450-150	18 X 5-1/2	18-7/16	6	5-1/2	11/32	1-3/4	7	1/4	141.3	.0818	155.4	.0899	6	2.55	44.9	16
500-150	20 X 5-1/2	20-7/16	6	5-1/2	13/32	1-3/4	7	1/4	157.0	.0909	172.7	.0999	6	2.83	49.5	16
280-180	11 X 7	11-7/16	7-3/4	7-1/16	9/32	3-1/8	4	5/16	234.2	.1355	257.6	.1491	8	2.31	21.1	8

Standard Bolt Holes Drilled on the WL (Water Level) Line ± 1/4"

- ① Tapco recommends using WL (water level) fill + 10% for usable capacity. A gross capacity figure is no longer provided as it is inappropriate for rating an agricultural elevator bucket.
- ② 14 X 6 bucket was designed to fit Hunter Mfg. Grizzly elevators.
- ③ Universal refers to this bucket as 3-3/4 X 3 in fabricated steel, the buckets are completely interchangeable.



**CC-HD "HEAVY DUTY" Elevator Bucket**  
**SUPER TOUGH NYLON**  
**FOR USE IN ROUGH AND ABRASIVE, HIGH VOLUME APPLICATIONS**

**47  
 SIZES  
 STYLE CC-HD  
 &  
 STYLE U-HD**



**PRIME VIRGIN  
 IMPACT MODIFIED  
 NYLON**

**AGRICULTURAL STYLE FOR HANDLING:  
 SOYBEANS, FERTILIZERS, SALT, SAND, CHEMICALS  
 and OTHER ROUGH or ABRASIVE PRODUCTS**

**FEATURES:**

**OUTSTANDING IMPACT and ABRASION RESISTANCE, EXTRAORDINARILY TOUGH and MORE RIGID THAN  
 POLYETHYLENE or URETHANE, BETTER HEAT RESISTANCE, NONSPARKING, NONCORROSIVE**

**TECHNICAL INFORMATION:**

**STYLE:** CC-HD (Heavy Duty) and U-HD (Heavy Duty).

**DESIGN:** High speed centrifugal discharge.

**MATERIAL:** Prime virgin impact modified nylon.

**METHOD OF MANUFACTURE:** Injection molded.

**COLOR:** Gray

**TEMPERATURE RANGE:** -40°F to + 275°F/-40°C to + 135°C.

**FLAMMABILITY:** The impact modified nylon used in Tapco buckets is termed "slow burning". It has been tested under Underwriters' Laboratory Bulletin No. 94 HB. The primary toxic product of combustion is carbon monoxide.

**STANDARD DRILLING:** No Charge.

**SPECIAL DRILLING:** Any pattern and hole diameter can be provided at minimal cost.

**VENTING:** Available in five standard patterns. See page 78 for specifications.

**USABLE CAPACITY:** Net or usable capacity could range from 10% to 20% above water level. For engineering purposes Tapco recommends using WL (Water Level) + 10% for usable capacity.

**SPACING:** Minimum bucket spacing has historically been nominal projection plus 2". Many style CC buckets, however, are being used at projection plus 1", and some even closer. For engineering purposes Tapco recommends using nominal projection plus 2".

**INTERCHANGEABILITY:** Can be intermixed with existing steel or nonmetallic buckets. Some consideration should be given to balance. Bucket projection varies by manufacturer and material. Check elevator for proper clearances. Contact Tapco for recommendations

**INSTALLATION:** Fanged elevator bolts and nylon insert lock nuts are recommended for pulleys 6" in diameter and over. No. 3, Eclipse slotted head elevator bolts are recommended for pulleys under 6" in diameter.

**Flat steel washers must be placed inside the bucket under the nuts.** Check elevator for proper clearances.

**FDA STATUS:** Impact modified nylon does not meet requirements for FDA approval.

**UV RESISTANCE:** No UV (ultraviolet) stabilizers are added to Tapco buckets because most elevator buckets are enclosed in casings. Tapco buckets should not be exposed to direct sunlight for extended periods of time.

**RECOMMENDATIONS:** Nylon buckets are extremely strong. They are unsurpassed in rough or severe service elevators. The outstanding abrasion resistant characteristics make this an excellent bucket for grain, soybeans, feeds, fertilizer, chemicals, sand and other free-flowing products.

**LIMITATIONS:** Nylon buckets should not be used in the following: (1) Materials over 275°F/135°C. (2) Large dense material such as gravel and ore over 3/8" diameter. (3) Some sharp sluggish materials such as large glass cullet or oyster shells.

**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion. Nylon buckets can be ignited and will burn from improper welding and cutting.

**IMPORTANT:** When elevating certain materials that harden or set up with moisture, a Tapco steel digger bucket should replace every 10th nylon bucket. See page 24 for specifications

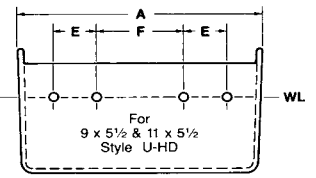
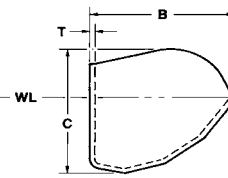
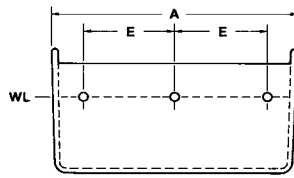
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# SUPER TOUGH NYLON ELEVATOR BUCKETS



## STYLE CC-HD BUCKETS

SIZE (Nominal) Metric	SIZE (Nominal) Inches	Dimension-Actual (Inches) Tolerance A, B, C ± 3/16" T ± 1/64"					Drilling-Standard (Inches) Holes Drilled 1/32" Oversize				Capacity ① Tolerance ± 3%				Spacing on Belt (Min.) Inches	Weight (Pounds)		Number Per Carton
		Length A	Proj. B	Depth C	Thickness T	Center to Center E	Number of Holes F	Bolt Diameter	WL	WL + 10%	Cu. In.	Cu. Ft.	Cu. In.	Cu. Ft.		Each (Average)	Per Carton (Average)	
80-60	3 X 2	3-3/8	2-7/16	2-1/4	11/64	1-3/4	2	1/4	6.2	.0036	6.8	.0039	3	0.14	3.8	24		
120-80	4 X 3	4-3/8	3-7/16	3-1/4	3/16	2-1/2	2	1/4	17.5	.0101	19.3	.0111	4	0.29	7.9	24		
140-120	5 X 4	5-7/16	4-9/16	4-3/16	13/64	3-3/16	2	1/4	37.2	.0215	40.9	.0237	5	0.52	14.0	24		
160-120	6 X 4	6-7/16	4-9/16	4-3/16	13/64	4-3/8	2	1/4	45.0	.0260	49.5	.0286	5	0.60	15.9	24		
180-120	7 X 4	7-7/16	4-9/16	4-3/16	13/64	2-11/16	3	1/4	51.7	.0299	56.9	.0329	5	0.68	17.8	24		
160-140	6 X 5	6-1/2	5-9/16	5-3/16	1/4	4-3/8	2	1/4	71.0	.0411	78.1	.0452	6	0.91	23.5	24		
180-140	7 X 5	7-1/2	5-9/16	5-3/16	1/4	2-11/16	3	1/4	78.8	.0456	86.7	.0502	6	1.17	29.9	24		
200-140	8 X 5	8-1/2	5-9/16	5-3/16	1/4	3-1/16	3	1/4	88.8	.0514	97.7	.0565	6	1.32	33.7	24		
230-140	9 X 5	9-1/2	5-9/16	5-3/16	1/4	3-5/8	3	1/4	101.8	.0589	112.0	.0648	6	1.19	30.6	24		
260-140	10 X 5	10-1/2	5-9/16	5-3/16	1/4	4-1/8	3	1/4	118.0	.0683	129.8	.0751	6	1.40	35.1	24		
280-140	11 X 5	11-1/2	5-9/16	5-3/16	1/4	3	4	1/4	132.3	.0766	145.5	.0842	6	1.46	37.5	24		
300-140	12 X 5	12-1/2	5-9/16	5-3/16	1/4	3-3/8	4	1/4	148.8	.0861	163.7	.0947	6	1.78	45.3	24		
200-160	8 X 6	8-1/2	6-11/16	6-3/16	1/4	3-1/16	3	1/4	129.5	.0749	142.5	.0824	7	1.42	37.0	24		
230-160	9 X 6	9-1/2	6-11/16	6-3/16	1/4	3-5/8	3	1/4	141.3	.0818	155.4	.0899	7	1.68	43.1	24		
260-160	10 X 6	10-1/2	6-11/16	6-3/16	1/4	4-1/8	3	1/4	156.4	.0905	172.0	.0996	7	1.86	47.4	24		
280-160	11 X 6	11-1/2	6-11/16	6-3/16	1/4	3	4	1/4	180.3	.1043	198.3	.1148	7	1.96	50.1	24		
300-160	12 X 6	12-1/2	6-11/16	6-3/16	1/4	3-3/8	4	1/4	192.8	.1116	212.1	.1227	7	2.03	51.8	24		
330-160	13 X 6	13-1/2	6-11/16	6-3/16	1/4	3-5/8	4	1/4	212.0	.1227	233.2	.1350	7	2.19	28.5	12		
350-160	14 X 6	14	6-11/16	6	1/4	3	5	1/4	206.2	.1193	226.8	.1313	7	2.49	32.2	12		
260-180	10 X 7	10-9/16	7-7/8	7-3/16	9/32	4-1/8	3	5/16	228.2	.1321	251.0	.1453	8	2.56	22.9	8		
280-180	11 X 7	11-9/16	7-7/8	7-3/16	9/32	3	4	5/16	243.6	.1410	268.0	.1551	8	2.76	24.7	8		
300-180	12 X 7	12-9/16	7-7/8	7-3/16	9/32	3-3/8	4	5/16	258.1	.1494	283.9	.1643	8	2.82	25.2	8		
330-180	13 X 7	13-9/16	7-7/8	7-3/16	9/32	3-5/8	4	5/16	295.8	.1712	325.4	.1883	8	3.12	27.7	8		
350-180	14 X 7	14-9/16	7-7/8	7-3/16	9/32	3	5	5/16	314.0	.1817	345.4	.1999	8	3.35	29.3	8		
370-180	15 X 7	15-9/16	7-7/8	7-3/16	9/32	3-1/4	5	5/16	344.7	.1995	379.2	.2194	8	3.40	30.1	8		
400-180	16 X 7	16-9/16	7-7/8	7-3/16	9/32	2-7/8	6	5/16	360.4	.2086	396.4	.2294	8	3.69	32.4	8		
450-180	18 X 7	18-9/16	7-7/8	7-3/16	11/32	3-1/8	6	5/16	412.6	.2388	453.9	.2627	8	4.52	40.2	8		
500-180	20 X 7	20-9/16	7-7/8	7-3/16	13/32	3-1/2	6	5/16	450.6	.2608	495.7	.2860	8	5.08	46.6	8		

## STYLE CC-HD "SUPER CAPACITY" BUCKETS

260-215	10 X 8	10-9/16	8-7/8	8-3/4	11/32	4-1/8	3	5/16	308.9	.1788	339.8	.1966	9	3.10	27.8	8
280-215	11 X 8	11-9/16	8-7/8	8-3/4	11/32	3	4	5/16	338.9	.1961	372.8	.2157	9	3.41	30.3	8
300-215	12 X 8	12-9/16	8-7/8	8-3/4	11/32	3-3/8	4	5/16	376.5	.2179	414.2	.2397	9	3.72	33.1	8
330-215	13 X 8	13-9/16	8-7/8	8-3/4	11/32	3-5/8	4	5/16	405.8	.2348	446.4	.2583	9	4.03	35.6	8
350-215	14 X 8	14-9/16	8-7/8	8-3/4	11/32	3	5	5/16	446.8	.2586	491.5	.2844	9	4.34	38.3	8
370-215	15 X 8	15-9/16	8-7/8	8-3/4	11/32	3-1/4	5	5/16	477.3	.2762	525.5	.3038	9	4.65	40.6	8
400-215	16 X 8	16-9/16	8-7/8	8-3/4	3/8	2-7/8	6	5/16	531.5	.3076	584.7	.3383	9	5.08	41.1	8
450-215	18 X 8	18-9/16	8-7/8	8-3/4	25/64	3-1/8	6	5/16	587.0	.3397	645.7	.3737	9	5.72	50.1	8
500-215	20 X 8	20-9/16	8-7/8	9	13/32	3-1/2	6	5/16	670.0	.3877	737.0	.4265	9	6.47	57.8	8
400-250	16 X 9	16-9/16	10	10-3/16	7/16	2-7/8	6	5/16	639.4	.3700	703.3	.4070	10	6.87	44.4	6
500-250	20 X 9	20-9/16	10	10-3/16	15/32	3-1/2	6	5/16	801.3	.4637	881.4	.5101	10	8.56	54.9	6

## STYLE U-HD BUCKETS fit Universal Industries Elevators

120-80	4 X 3	3-7/8	3	3-1/16	3/16	1-7/8	2	1/4	11.8	.0068	13.0	.0075	3-1/4	0.23	6.4	24
160-120	6 X 4	6-3/8	4-1/4	4-3/16	13/64	2-3/4	2	1/4	36.8	.0213	40.5	.0235	4-1/4	0.60	15.6	24
180-120	7 X 4-1/2	7-3/8	4-1/2	4-3/16	13/64	2-1/2	3	1/4	46.0	.0266	50.6	.0293	5	0.68	17.5	24
230-150	9 X 5-1/2	9-1/2	5-9/16	5-3/16	1/4	1-3/4	4	1/4	101.8	.0589	112.0	.0650	6	1.19	30.6	24
280-150	11 X 5-1/2	11-1/2	6-11/16	6-3/16	1/4	1-3/4	5	1/4	180.3	.1046	198.4	.1151	6	1.96	50.1	24
450-150	18 X 5-1/2	18-9/16	6	5-1/2	3/8	1-3/4	7	1/4	147.0	.0851	161.7	.0936	6	2.88	50.3	16
500-150	20 X 5-1/2	20-9/16	6	5-1/2	13/32	1-3/4	7	1/4	163.3	.0945	179.6	.1039	6	3.20	55.5	16
280-180	11 X 7	11-9/16	7-7/8	7-3/16	9/32	3-1/8	4	5/16	243.6	.1410	267.9	.1554	8	2.76	24.7	8

Standard Bolt Holes Drilled on the WL (Water Level) Line ± 1/4"

- Tapco recommends using WL (water level) fill + 10% for usable capacity. A gross capacity figure is no longer provided as it is inappropriate for rating an agricultural elevator bucket.
- 14 X 6 bucket was designed to fit Hunter Mfg. Grizzly elevators.
- Universal refers to this bucket as 3-3/4 X 3 in fabricated steel, the buckets are completely interchangeable.

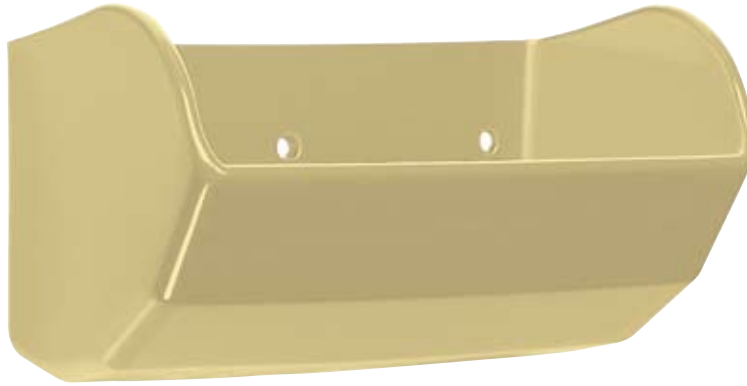


# CC-HD "HEAVY DUTY" Elevator Bucket

## SEVERE DUTY URETHANE

### FOR USE IN HIGH ABRASION AND HIGH THROUGHPUT APPLICATIONS

47  
SIZES  
STYLE CC-HD  
&  
STYLE U-HD



PRIME VIRGIN  
THERMOPLASTIC  
URETHANE

**AGRICULTURAL STYLE FOR HANDLING**  
PELLETIZED OR EXTRUDED FEEDS, SOYBEANS, FERTILIZERS, OYSTER SHELLS, SALT, SAND,  
CHEMICALS, and OTHER ABRASIVE PRODUCTS

### FEATURES

EXTREME ABRASION RESISTANCE, TOUGH AND FLEXIBLE, THICK WALLS, LIGHT WEIGHT, CLEAN DISCHARGE,  
LESS PRODUCT DAMAGE, REDUCES BACKLEGGING, NONSPARKING, NONCORROSIVE

### TECHNICAL INFORMATION

**STYLE:** CC-HD (Heavy Duty) and U-HD (Heavy Duty).

**DESIGN:** High speed centrifugal discharge.

**MATERIAL:** Thermoplastic urethane.

**METHOD OF MANUFACTURE:** Injection molded.

**COLOR:** Beige (Tan).

**TEMPERATURE RANGE:** -60°F to +212°F/-51° C to + 100°C.

**DUROMETER RANGE:** Shore D 60-70.

**FLAMMABILITY:** The urethane used in Tapco buckets, meets the criteria of the Underwriters' Laboratory Bulletin No. 94 HB. It has been tested under ASTM Test No. D635 and has a burn rate of 0.76"/min. it also meets approval under motor vehicle safety standard No. 302, with a burn rate of 0.0"/min.

**STANDARD DRILLING:** No charge.

**SPECIAL DRILLING:** Any pattern and hole diameter can be provided at minimal cost.

**VENTING:** Available in five standard patterns. See page 78 for specifications.

**USABLE CAPACITY:** Net or usable capacity could range from 10% to 20% above water level. For engineering purposes Tapco recommends using WL (Water Level) + 10% for usable capacity.

**SPACING:** Minimum bucket spacing has historically been nominal projection plus 2". Many style CC buckets, however, are being used at projection plus 1", and some even closer. For engineering purposes Tapco recommends using nominal projection plus 2".

**INTERCHANGEABILITY:** Can be intermixed with existing steel or nonmetallic buckets. Some consideration should be given to balance. Bucket projection varies by manufacturer and material. Check elevator for proper clearances. Contact Tapco for recommendations.

**INSTALLATION:** Fanged elevator bolts and nylon insert lock nuts are recommended for pulleys 6" in diameter and over. No. 3 Eclipse slotted head elevator bolts are recommended for pulleys under 6" in diameter.

**Large flat steel (fender) washers must be placed inside the bucket under the nuts.** Check elevator for proper clearances.

**FDA STATUS:** Our standard urethane does not meet the requirements for FDA approval. FDA approved urethane is available, special order.

**UV RESISTANCE:** No UV (ultraviolet) stabilizers are added to Tapco buckets because most elevator buckets are enclosed in casings. Tapco buckets should not be exposed to direct sunlight for extended periods of time.

**RECOMMENDATIONS:** Urethane buckets are ideal for use with pelletized high fat and molasses feeds, extruded feeds, severe soybean, rice and barley applications and other abrasive agricultural products. They are excellent for extremely high throughput elevators.

**LIMITATIONS:** Urethane buckets should not be used on the following: (1) Materials over 212°F/100°C. (2) Large dense materials such as gravel and ores over 3/8" in diameter. (3) Some sharp sluggish materials such as large glass cullet.

**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion. Urethane buckets can be ignited and will burn from improper welding and cutting.

**IMPORTANT:** When elevating materials that harden or set up with moisture, a Tapco steel digger bucket should replace every 10th urethane bucket. See page 24 for specifications

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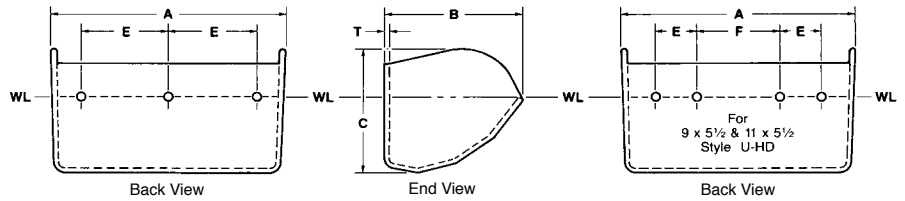
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# SEVERE DUTY URETHANE ELEVATOR BUCKETS



## STYLE CC-HD BUCKETS

SIZE (Nominal) Metric	SIZE (Nominal) Inches	Dimension-Actual (Inches) Tolerance A,B,C ± 3/16" T ± 1/64"				Drilling-Standard (Inches) Holes Drilled 1/32" Oversize				Capacity ① Tolerance ± 3%				Spacing on Belt (Min.) Inches	Weight (Pounds)		Number Per Carton
		Length A	Proj. B	Depth C	Thickness T	Center to Center		Number of Holes	Bolt Diameter	WL		WL + 10%			Each (Average)	Per Carton (Average)	
						E	F			Cu. In.	Cu. Ft.	Cu. In.	Cu. Ft.				
80-60	3 X 2	3-7/16	2-1/2	2-1/4	11/64	1-3/4		2	1/4	6.2	.0036	6.8	.0039	3	0.17	4.5	24
120-80	4 X 3	4-7/16	3-1/2	3-1/4	3/16	2-1/2		2	1/4	17.5	.0101	19.3	.0111	4	0.35	9.3	24
140-120	5 X 4	5-1/2	4-5/8	4-1/4	13/64	3-3/16		2	1/4	37.2	.0215	40.9	.0237	5	0.64	16.7	24
160-120	6 X 4	6-1/2	4-5/8	4-1/4	13/64	4-3/8		2	1/4	45.0	.0260	45.5	.0286	5	0.74	19.1	24
180-120	7 X 4	7-1/2	4-5/8	4-1/4	13/64	2-11/16		3	1/4	51.7	.0299	56.9	.0329	5	0.82	21.0	24
160-140	6 X 5	6-9/16	5-5/8	5-3/8	1/4	4-3/8		2	1/4	71.0	.0411	78.1	.0452	6	1.10	28.1	24
180-140	7 X 5	7-9/16	5-5/8	5-3/8	1/4	2-11/16		3	1/4	78.8	.0456	86.7	.0502	6	1.34	33.8	24
200-140	8 X 5	8-9/16	5-5/8	5-3/8	1/4	3-1/16		3	1/4	88.8	.0514	97.7	.0565	6	1.52	38.5	24
230-140	9 X 5	9-9/16	5-5/8	5-3/8	1/4	3-5/8		3	1/4	101.8	.0589	112.0	.0648	6	1.38	35.2	24
260-140	10 X 5	10-9/16	5-5/8	5-3/8	1/4	4-1/8		3	1/4	118.0	.0683	129.8	.0751	6	1.65	42.1	24
280-140	11 X 5	11-9/16	5-5/8	5-3/8	1/4	3		4	1/4	132.3	.0766	145.5	.0842	6	1.94	49.1	24
300-140	12 X 5	12-9/16	5-5/8	5-3/8	1/4	3-3/8		4	1/4	148.8	.0861	163.7	.0947	6	2.11	53.2	24
200-160	8 X 6	8-9/16	6-3/4	6-1/4	1/4	3-1/16		3	1/4	129.5	.0749	142.5	.0824	7	1.76	45.1	24
230-160	9 X 6	9-9/16	6-3/4	6-1/4	1/4	3-5/8		3	1/4	141.3	.0818	155.4	.0899	7	1.97	50.1	24
260-160	10 X 6	10-9/16	6-3/4	6-1/4	1/4	4-1/8		3	1/4	156.4	.0905	172.0	.0996	7	2.09	53.0	24
280-160	11 X 6	11-9/16	6-3/4	6-1/4	1/4	3		4	1/4	180.3	.1043	198.3	.1148	7	2.26	57.3	24
300-160	12 X 6	12-9/16	6-3/4	6-1/4	1/4	3-3/8		4	1/4	192.8	.1116	212.1	.1227	7	2.41	60.9	24
330-160	13 X 6	13-9/16	6-3/4	6-1/4	1/4	3-5/8		4	1/4	212.0	.1227	233.2	.1350	7	2.54	32.8	12
350-160	14 X 6	14-1/8	6-3/4	6-1/16	1/4	3		5	1/4	206.2	.1193	226.8	.1313	7	2.91	37.9	12
260-180	10 X 7	10-5/8	7-15/16	7-7/16	9/32	4-1/8		3	5/16	228.2	.1321	251.0	.1453	8	2.94	26.1	8
280-180	11 X 7	11-5/8	7-15/16	7-7/16	9/32	3		4	5/16	243.6	.1410	268.0	.1551	8	3.29	28.9	8
300-180	12 X 7	12-5/8	7-15/16	7-7/16	9/32	3-3/8		4	5/16	258.1	.1494	283.9	.1643	8	3.34	29.4	8
330-180	13 X 7	13-5/8	7-15/16	7-7/16	9/32	3-5/8		4	5/16	295.8	.1712	325.4	.1883	8	3.58	31.3	8
350-180	14 X 7	14-5/8	7-15/16	7-7/16	9/32	3		5	5/16	314.0	.1817	345.4	.1999	8	3.81	33.0	8
370-180	15 X 7	15-5/8	7-15/16	7-7/16	9/32	3-1/4		5	5/16	344.7	.1995	379.2	.2194	8	4.23	36.8	8
400-180	16 X 7	16-5/8	7-15/16	7-7/16	9/32	2-7/8		6	5/16	360.4	.2086	396.4	.2294	8	4.39	38.1	8
450-180	18 X 7	18-5/8	7-15/16	7-7/16	11/32	3-1/8		6	5/16	412.6	.2388	453.9	.2627	8	5.20	45.6	8
500-180	20 X 7	20-5/8	7-15/16	7-7/16	13/32	3-1/2		6	5/16	450.6	.2608	495.7	.2860	8	5.85	52.8	8

## STYLE CC-HD "SUPER CAPACITY" BUCKETS

260-215	10 X 8	10-5/8	8-15/16	8-7/8	11/32	4-1/8		3	5/16	308.9	.1788	339.8	.1966	9	3.67	32.4	8
280-215	11 X 8	11-5/8	8-15/16	8-7/8	11/32	3		4	5/16	338.9	.1961	372.8	.2157	9	4.04	35.3	8
300-215	12 X 8	12-5/8	8-15/16	8-7/8	11/32	3-3/8		4	5/16	376.5	.2179	414.1	.2397	9	4.40	38.5	8
330-215	13 X 8	13-5/8	8-15/16	8-7/8	11/32	3-5/8		4	5/16	405.8	.2348	446.4	.2583	9	4.77	41.5	8
350-215	14 X 8	14-5/8	8-15/16	8-7/8	11/32	3		5	5/16	446.8	.2586	491.5	.2844	9	5.13	44.6	8
370-215	15 X 8	15-5/8	8-15/16	8-7/8	11/32	3-1/4		5	5/16	477.3	.2762	525.0	.3038	9	5.50	47.4	8
400-215	16 X 8	16-5/8	8-15/16	8-7/8	3/8	2-7/8		6	5/16	531.5	.3076	584.7	.3383	9	5.78	49.7	8
450-215	18 X 8	18-5/8	8-15/16	8-7/8	25/64	3-1/8		6	5/16	587.0	.3397	645.7	.3737	9	6.68	56.9	8
500-215	20 X 8	20-5/8	9	9-1/16	13/32	3-1/2		6	5/16	670.0	.3877	737.0	.4265	9	7.84	68.8	8
400-250	16 X 9	16-3/4	10-1/8	10-3/16	7/16	2-7/8		6	5/16	639.4	.3700	703.3	.4070	10	8.31	53.0	6
500-250	20 X 9	20-3/4	10-1/8	10-3/16	15/32	3-1/2		6	5/16	801.3	.4637	881.4	.5101	10	10.42	66.1	6

## STYLE U-HD BUCKETS fit Universal Industries Elevators

120-80	4 X 3	3-7/8	3	3-1/16	3/16	1-7/8		2	1/4	11.8	.0068	13.0	.0075	3-1/4	0.23	6.4	24
160-120	6 X 4	6-3/8	4-1/4	4-3/16	13/64	2-3/4		2	1/4	36.8	.0213	40.5	.0234	4-1/4	0.74	19.0	24
180-120	7 X 4-1/2	7-3/8	4-1/2	4-3/16	13/64	2-1/2		3	1/4	46.0	.0266	50.6	.0293	5	0.81	20.6	24
230-150	9 X 5-1/2	9-9/16	5-5/8	5-3/8	1/4	1-3/4	3-1/2	4	1/4	101.8	.0589	112.0	.0648	6	1.38	35.2	24
280-150	11 X 5-1/2	11-9/16	6-3/4	6-1/4	1/4	1-3/4	2-3/4	5	1/4	180.3	.1043	198.3	.1148	6	2.26	57.3	24
450-150	18 X 5-1/2	18-9/16	6	5-1/2	3/8	1-3/4	3-1/4	7	1/4	147.0	.0851	161.7	.0936	6	2.88	50.3	16
500-150	20 X 5-1/2	20-9/16	6	5-1/2	13/32	1-3/4	3-1/4	7	1/4	163.3	.0945	179.6	.1039	6	3.20	55.5	16
280-180	11 X 7	11-5/8	7-15/16	7-7/16	9/32	3-1/8		4	5/16	243.6	.1410	268.0	.1551	8	3.29	28.9	8

Standard Bolt Holes Drilled on the WL (Water Level) Line ± 1/4"

- ① Tapco recommends using WL (water level) fill + 10% for usable capacity. A gross capacity figure is no longer provided as it is inappropriate for rating an agricultural elevator bucket.
- ② 14 X 6 bucket was designed to fit Hunter Mfg. Grizzly elevators.
- ③ Universal refers to this bucket as 3-3/4 X 3 in fabricated steel, the buckets are completely interchangeable.



# CC-XD "XTREME DUTY" Elevator Bucket

## HIGH DENSITY POLYETHYLENE

### FOR USE IN FREE FLOWING PRODUCT APPLICATIONS

14  
SIZES  
STYLE CC-XD



PRIME  
VIRGIN  
POLYETHYLENE

**AGRICULTURAL STYLE FOR HANDLING:**  
GRAINS, FEEDS, FERTILIZERS, SEEDS, SALT, SAND,  
CHEMICALS, and FOOD PRODUCTS

#### FEATURES:

**LONG LASTING, TOUGH AND FLEXIBLE, THICK WALLS, CLEAN DISCHARGE,  
LESS PRODUCT DAMAGE, REDUCES BACKLEGGING, NONSPARKING, NONCORROSIVE**

#### TECHNICAL INFORMATION

**STYLE:** CC-XD (Xtreme Duty)

**DESIGN:** High speed centrifugal discharge.

**MATERIAL:** High density linear polyethylene.

**METHOD OF MANUFACTURE:** Injection molded.

**COLOR:** Blue. White, special order for flour, sugar, etc..

**TEMPERATURE RANGE:** -60°F to +200°F/-51°C to +93°C.

**FLAMMABILITY:** The high density polyethylene used in Tapco buckets is termed "slow burning". It has been tested under ASTM Test No. D635. It also meets the criteria for approval under the Motor Vehicle Safety Standard No. 302 and Underwriters' Laboratory Bulletin No. 94. Combustion in an excess of air results in harmless by-products (fumes) which are nontoxic.

**STANDARD DRILLING:** No Charge.

**SPECIAL DRILLING:** Any pattern and hole diameter can be provided at minimal cost.

**VENTING:** Available in five standard patterns. See page 78 for specifications.

**USABLE CAPACITY:** Net or usable capacity could range from 10% to 20% above water level. For engineering purposes Tapco recommends using WL (Water Level) + 10% for usable capacity.

**SPACING:** Minimum bucket spacing has historically been nominal projection plus 2". Many style CC buckets, however, are being used at projection plus 1", and some even closer. For engineering purposes Tapco recommends using nominal projection plus 2".

**INTERCHANGEABILITY:** Can be intermixed with existing steel or nonmetallic buckets. Some consideration should be given to balance. Bucket projection varies by manufacturer and material. **CC-XD buckets have a greater projection than CC-HD buckets.** Check elevator for proper clearances. Contact Tapco for recommendations.

**INSTALLATION:** Fanged elevator bolts and nylon insert lock nuts are recommended. **Flat steel washers must be placed inside the bucket under the nuts.** Check elevator for proper clearances.

**FDA STATUS:** Polyethylene used meets the requirements of the Food Additives Law and Regulation No. 177.1520. Blue pigment meets Regulations No. 175.300 and 177.2600.

**UV RESISTANCE:** No UV (ultraviolet) stabilizers are added to Tapco buckets because most elevator buckets are enclosed in casings. Tapco buckets should not be exposed to direct sunlight for extended periods of time.

**RECOMMENDATIONS:** Polyethylene buckets are ideal for use with grains, feeds, fertilizers, seeds, food products, chemicals, sand, salt and most free flowing agricultural products handled in bucket elevators.

**LIMITATIONS:** Polyethylene buckets should not be used with the following: (1) Materials over 200°F/93°C. (2) Sharp edged materials such as crushed glass or oyster shells. (3) Large dense materials such as gravel and ores over 3/8" diameter. (4) A few extremely abrasive and sluggish materials such as dried whey, some pellets and extruded feeds. (5) Some severe soybean and rice applications.

**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion. Polyethylene buckets can be ignited and will burn from improper welding and cutting.

**IMPORTANT:** When elevating certain materials that harden or set up with moisture, a Tapco steel digger bucket should replace every 10th polyethylene bucket.

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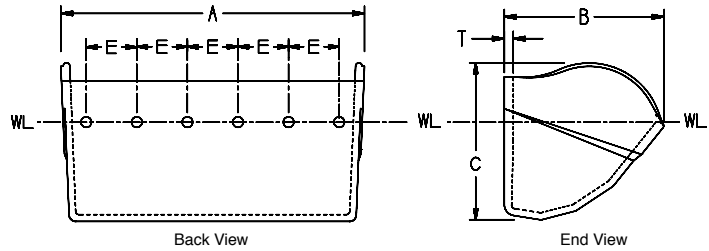
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# HIGH DENSITY POLYETHYLENE ELEVATOR BUCKETS



## STYLE CC-XD BUCKETS

SIZE Inches (Millimeters) (Nominal)	Dimension-Actual (Inches) Tolerance A, B, C ± 1/8" G, T ± 1/64"				Drilling-Standard (Inches) Holes Drilled 1/32" Oversize			Capacity ① Tolerance ± 3%				Spacing on Belt Inches (Minimum)	Weight (Pounds)		
	Length A	Proj. B	Depth C	Thick- ness T	Center to Center E	No. of Holes	Bolt Dia.	WL		WL + 10%			Each (Average)	Per Carton (Average)	Number Per Carton
								Cu. In.	Cu. Ft.	Cu. In.	Cu. Ft.				
12 X 7 300-180					3-3/8	4	5/16	248.2	.1436	273.0	.1550	8			
14 X 7 350-180					3	5	5/16	301.9	.1747	332.1	.1922	8			
16 X 7 400-180					2-7/8	6	5/16	346.5	.2005	381.2	.2206	8			
12 X 8 300-215	12-11/16	9-1/16	8-7/8	1/2	3-3/8	4	5/16	362.0	.2095	398.2	.2304	9			
13 X 8 330-215					3-5/8	4	5/16	390.2	.2258	492.2	.2484	9			
14 X 8 350-215	14-11/16	9-1/16	8-7/8	1/2	3	5	5/16	429.6	.2486	472.6	.2775	9	5.26	46.0	8
16 X 8 400-215	16-11/16	9-1/16	8-7/8	1/2	2-7/8	6	5/16	511.1	.2958	562.2	.3254	9	5.75	50.0	8
18 X 8 450-215	18-11/16	9-1/16	8-7/8	1/2	3-1/8	6	5/16	564.4	.3266	620.8	.3593	9	6.59	57.0	8
20 X 8 500-215	20-11/16	9-1/16	8-7/8	1/2	3-1/2	6	5/16	644.2	.3728	708.6	.4101	9	7.17	64.0	8
22 X 8 550-215					4	6	5/16					9			
24 X 8 600-215					3-1/2	7	5/16					9			
16 X 10 400-280					2-7/8	6	3/8					11			
18 X 10 450-280					3-1/8	6	3/8					11			
20 X 10 500-280	20-11/16	11-5/16	11-1/8	5/8	3-1/2	6	3/8	960.5	.5558	1056.6	.6115	11	11.56	77.0	6

Standard Bolt Holes Drilled on the WL (Water Level) Line ± 1/4"

① Tapco recommends using WL (water level) fill + 10% for usable capacity. A gross capacity figure is no longer provided as it is inappropriate for rating an agricultural elevator bucket.

**NOTE ON DESIGN:** Over 30 years ago, Tapco Inc. introduced the first "Heavy Duty" nonmetallic elevator bucket to the agricultural industry. This bucket, manufactured in the highly proven "CC" style, soon became the standard of the industry. Now, as design engineers, manufacturers, and elevator operators demand more from their legs in both throughput and extended life, Tapco is proud to introduce its new line of "CC-XD" Xtreme Duty elevator buckets. These buckets, molded in the same "CC" style, industry proven since 1935, offer benefits not found in other brands. They have the exact same capacities and discharge characteristics as our "CC-HD" buckets. This allows the designer, manufacturer or operator to directly interchange existing "CC-HD" buckets with the new "CC-XD" and maintain the same precise operating parameters that are expected from a correctly engineered bucket. The Tapco line of "XD" Xtreme Duty buckets will be expanded, in 2006, to include some fourteen of the most popular sizes. All buckets will be produced in polyethylene, nylon and urethane. Please contact us with your requirements and expectations.



# CC-XD "XTREME DUTY" Elevator Bucket

## SUPER TOUGH NYLON

### FOR USE IN ROUGH AND ABRASIVE, HIGH VOLUME APPLICATIONS

14  
SIZES  
STYLE CC-XD



PRIME VIRGIN  
IMPACT MODIFIED  
NYLON

**AGRICULTURAL STYLE FOR HANDLING:**  
SOYBEANS, FERTILIZERS, SALT, SAND, CHEMICALS  
and OTHER ROUGH or ABRASIVE PRODUCTS

#### FEATURES:

OUTSTANDING IMPACT and ABRASION RESISTANCE, EXTRAORDINARILY TOUGH and MORE RIGID THAN POLYETHYLENE or URETHANE, BETTER HEAT RESISTANCE, NONSPARKING, NONCORROSIVE

#### TECHNICAL INFORMATION

**STYLE:** CC-XD (Xtreme Duty)

**DESIGN:** High speed centrifugal discharge.

**MATERIAL:** Prime virgin impact modified nylon.

**METHOD OF MANUFACTURE:** Injection molded.

**COLOR:** Gray

**TEMPERATURE RANGE:** -40°F to + 275°F/-40°C to + 135°C.

**FLAMMABILITY:** The impact modified nylon used in Tapco buckets is termed "slow burning". It has been tested under Underwriters' Laboratory Bulletin No. 94 HB. The primary toxic product of combustion is carbon monoxide.

**STANDARD DRILLING:** No Charge.

**SPECIAL DRILLING:** Any pattern and hole diameter can be provided at minimal cost.

**VENTING:** Available in five standard patterns. See page 78 for specifications.

**USABLE CAPACITY:** Net or usable capacity could range from 10% to 20% above water level. For engineering purposes Tapco recommends using WL (Water Level) + 10% for usable capacity.

**SPACING:** Minimum bucket spacing has historically been nominal projection plus 2". Many style CC buckets, however, are being used at projection plus 1", and some even closer. For engineering purposes Tapco recommends using nominal projection plus 2".

**INTERCHANGEABILITY:** Can be intermixed with existing steel or nonmetallic buckets. Some consideration should be given to balance. Bucket projection varies by manufacturer and material. **CC-XD buckets have a greater projection than CC-HD buckets.** Check elevator for proper clearances. Contact Tapco for recommendations

**INSTALLATION:** Fanged elevator bolts and nylon insert lock nuts are recommended. **Flat steel washers must be placed inside the bucket under the nuts.** Check elevator for proper clearances.

**FDA STATUS:** Impact modified nylon does not meet requirements for FDA approval.

**UV RESISTANCE:** No UV (ultraviolet) stabilizers are added to Tapco buckets because most elevator buckets are enclosed in casings. Tapco buckets should not be exposed to direct sunlight for extended periods of time.

**RECOMMENDATIONS:** Nylon buckets are extremely strong. They are unsurpassed in rough or severe service elevators. The outstanding abrasion resistant characteristics make this an excellent bucket for grain, soybeans, feeds, fertilizer, chemicals, sand and other free-flowing products.

**LIMITATIONS:** Nylon buckets should not be used in the following: (1) Materials over 275°F/135°C. (2) Large dense material such as gravel and ore over 3/8" diameter. (3) Some sharp sluggish materials such as large glass cullet or oyster shells.

**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion. Nylon buckets can be ignited and will burn from improper welding and cutting.

**IMPORTANT:** When elevating certain materials that harden or set up with moisture, a Tapco steel digger bucket should replace every 10th nylon bucket.

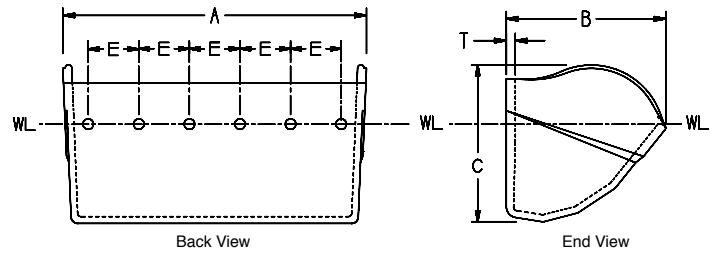
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# SUPER TOUGH NYLON ELEVATOR BUCKETS



## STYLE CC-XD BUCKETS

SIZE Inches (Millimeters) (Nominal)	Dimension-Actual (Inches) Tolerance A, B, C ± 1/8" G, T ± 1/64"				Drilling-Standard (Inches) Holes Drilled 1/32" Oversize			Capacity ① Tolerance ± 3%				Spacing on Belt Inches (Minimum)	Weight (Pounds)		
	Length A	Proj. B	Depth C	Thick- ness T	Center to Center E	No. of Holes	Bolt Dia.	WL		WL + 10%			Each (Average)	Per Carton (Average)	Number Per Carton
								Cu. In.	Cu. Ft.	Cu. In.	Cu. Ft.				
12 X 7 300-180					3-3/8	4	5/16	258.1	.1494	283.9	.1643	8			
14 X 7 350-180					3	5	5/16	314.0	.1817	345.4	.1999	8			
16 X 7 400-180					2-7/8	6	5/16	360.4	.2086	396.4	.2294	8			
12 X 8 300-215	12-13/16	9-1/8	8-15/16	1/2	3-3/8	4	5/16	376.5	.2179	414.2	.2397	9			
13 X 8 330-215					3-5/8	4	5/16	405.8	.2348	446.4	.2583	9			
14 X 8 350-215	14-13/16	9-1/8	8-15/16	1/2	3	5	5/16	446.8	.2586	491.5	.2844	9	6.00	52.0	8
16 X 8 400-215	16-13/16	9-1/8	8-15/16	1/2	2-7/8	6	5/16	531.5	.3076	584.7	.3383	9	6.56	56.0	8
18 X 8 450-215	18-13/16	9-1/8	8-15/16	1/2	3-1/8	6	5/16	587.0	.3397	645.7	.3737	9	7.36	63.0	8
20 X 8 500-215	20-13/16	9-1/8	8-15/16	1/2	3-1/2	6	5/16	670.0	.3877	737.0	.4265	9	8.04	71.0	8
22 X 8 550-215					4	6	5/16					9			
24 X 8 600-215					3-1/2	7	5/16					9			
16 X 10 400-280					2-7/8	6	3/8					11			
18 X 10 450-280					3-1/8	6	3/8					11			
20 X 10 500-280	20-13/16	11-3/8	11-3/8	5/8	3-1/2	6	3/8	998.9	.5781	1098.8	.6359	11	13.48	88.0	6

Standard Bolt Holes Drilled on the WL (Water Level) Line ± 1/4"

① Tapco recommends using WL (water level) fill + 10% for usable capacity. A gross capacity figure is no longer provided as it is inappropriate for rating an agricultural elevator bucket.

**NOTE ON DESIGN:** Over 30 years ago, Tapco Inc. introduced the first "Heavy Duty" nonmetallic elevator bucket to the agricultural industry. This bucket, manufactured in the highly proven "CC" style, soon became the standard of the industry. Now, as design engineers, manufacturers, and elevator operators demand more from their legs in both throughput and extended life, Tapco is proud to introduce its new line of "CC-XD" Xtreme Duty elevator buckets. These buckets, molded in the same "CC" style, industry proven since 1935, offer benefits not found in other brands. They have the exact same capacities and discharge characteristics as our "CC-HD" buckets. This allows the designer, manufacturer or operator to directly interchange existing "CC-HD" buckets with the new "CC-XD" and maintain the same precise operating parameters that are expected from a correctly engineered bucket. The Tapco line of "XD" Xtreme Duty buckets will be expanded, in 2006, to include some fourteen of the most popular sizes. All buckets will be produced in polyethylene, nylon and urethane. Please contact us with your requirements and expectations.



## CC-XD "XTREME DUTY" Elevator Bucket

SEVERE DUTY URETHANE  
FOR USE IN HIGH ABRASION AND HIGH THROUGHPUT APPLICATIONS

14  
SIZES  
STYLE CC-XD



PRIME VIRGIN  
THERMOPLASTIC  
URETHANE

**AGRICULTURAL STYLE FOR HANDLING**  
PELLETIZED OR EXTRUDED FEEDS, SOYBEANS, FERTILIZERS, OYSTER SHELLS, SALT, SAND,  
CHEMICALS, and OTHER ABRASIVE PRODUCTS

### FEATURES

EXTREME ABRASION RESISTANCE, TOUGH AND FLEXIBLE, THICK WALLS, LIGHT WEIGHT, CLEAN DISCHARGE,  
LESS PRODUCT DAMAGE, REDUCES BACKLEGGING, NONSPARKING, NONCORROSIVE

### TECHNICAL INFORMATION

**STYLE:** CC-XD (Xtreme Duty)

**DESIGN:** High speed centrifugal discharge.

**MATERIAL:** Thermoplastic urethane.

**METHOD OF MANUFACTURE:** Injection molded.

**COLOR:** Beige (Tan).

**TEMPERATURE RANGE:** -60°F to +212°F/-51° C to +100°C.

**DUROMETER RANGE:** Shore D 60-70.

**FLAMMABILITY:** The urethane used in Tapco buckets, meets the criteria of the Underwriters' Laboratory Bulletin No. 94 HB. It has been tested under ASTM Test No. D635 and has a burn rate of 0.76"/min. it also meets approval under motor vehicle safety standard No. 302, with a burn rate of 0.0"/min.

**STANDARD DRILLING:** No charge.

**SPECIAL DRILLING:** Any pattern and hole diameter can be provided at minimal cost.

**VENTING:** Available in five standard patterns. See page 78 for specifications.

**USABLE CAPACITY:** Net or usable capacity could range from 10% to 20% above water level. For engineering purposes Tapco recommends using WL (Water Level) + 10% for usable capacity.

**SPACING:** Minimum bucket spacing has historically been nominal projection plus 2". Many style CC buckets, however, are being used at projection plus 1", and some even closer. For engineering purposes Tapco recommends using nominal projection plus 2".

**INTERCHANGEABILITY:** Can be intermixed with existing steel or nonmetallic buckets. Some consideration should be given to balance. Bucket projection varies by manufacturer and material. **CC-XD buckets have a greater projection than CC-HD buckets.** Check elevator for proper clearances. Contact Tapco for recommendations.

**INSTALLATION:** Fanged elevator bolts and nylon insert lock nuts are recommended. **Large flat steel (fender) washers must be placed inside the bucket under the nuts.** Check elevator for proper clearances.

**FDA STATUS:** Our standard urethane does not meet the requirements for FDA approval. FDA approved urethane is available, special order.

**UV RESISTANCE:** No UV (ultraviolet) stabilizers are added to Tapco buckets because most elevator buckets are enclosed in casings. Tapco buckets should not be exposed to direct sunlight for extended periods of time

**RECOMMENDATIONS:** Urethane buckets are ideal for use with pelletized, high fat and molasses feeds, extruded feeds, severe soybean, rice and barley applications and other abrasive agricultural products. They are excellent for extremely high throughput elevators.

**LIMITATIONS:** Urethane buckets should not be used on the following: (1) Materials over 212°F/100°C. (2) Large dense materials such as gravel and ores over 3/8" in diameter. (3) Some sharp sluggish materials such as large glass cullet.

**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion. Urethane buckets can be ignited and will burn from improper welding and cutting.

**IMPORTANT:** When elevating materials that harden or set up with moisture, a Tapco steel digger bucket should replace every 10th urethane bucket.

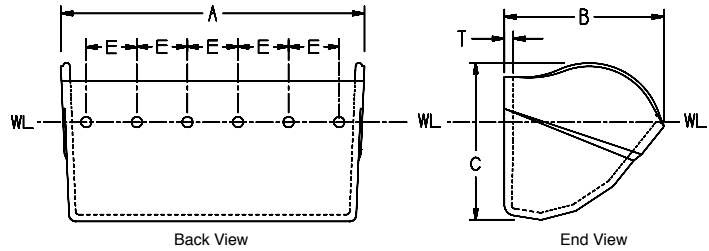
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# SEVERE DUTY URETHANE ELEVATOR BUCKETS



## STYLE CC-XD BUCKETS

SIZE Inches (Millimeters) (Nominal)	Dimension-Actual (Inches) Tolerance A, B, C ± 1/8" G, T ± 1/64"				Drilling-Standard (Inches) Holes Drilled 1/32" Oversize			Capacity ① Tolerance ± 3%				Spacing on Belt Inches (Minimum)	Weight (Pounds)		
	Length A	Proj. B	Depth C	Thick- ness T	Center to Center E	No. of Holes	Bolt Dia.	WL		WL + 10%			Each (Average)	Per Carton (Average)	Number Per Carton
								Cu. In.	Cu. Ft.	Cu. In.	Cu. Ft.				
12 X 7 300-180					3-3/8	4	5/16	258.1	.1494	283.9	.1643	8			
14 X 7 350-180					3	5	5/16	314.0	.1817	345.4	.1999	8			
16 X 7 400-180					2-7/8	6	5/16	360.4	.2086	396.4	.2294	8			
12 X 8 300-215	12-7/8	9-3/16	9-1/16	1/2	3-3/8	4	5/16	376.5	.2179	414.2	.2397	9			
13 X 8 330-215					3-5/8	4	5/16	405.8	.2348	446.4	.2583	9			
14 X 8 350-215	14-7/8	9-3/16	9-1/16	1/2	3	5	5/16	446.8	.2586	491.5	.2844	9	7.00	60.0	8
16 X 8 400-215	16-7/8	9-3/16	9-1/16	1/2	2-7/8	6	5/16	531.5	.3076	584.7	.3383	9	7.72	66.0	8
18 X 8 450-215	18-7/8	9-3/16	9-1/16	1/2	3-1/8	6	5/16	587.0	.3397	645.7	.3737	9	8.41	71.0	8
20 X 8 500-215	20-7/8	9-3/16	9-1/16	1/2	3-1/2	6	5/16	670.0	.3877	737.0	.4265	9	9.56	83.0	8
22 X 8 550-215					4	6	5/16					9			
24 X 8 600-215					3-1/2	7	5/16					9			
16 X 10 400-280					2-7/8	6	3/8					11			
18 X 10 450-280					3-1/8	6	3/8					11			
20 X 10 500-280	21-1/16	11-1/2	11-3/8	5/8	3-1/2	6	3/8	998.9	.5781	1098.8	.6359	11	15.35	99.0	6

Standard Bolt Holes Drilled on the WL (Water Level) Line ± 1/4"

① Tapco recommends using WL (water level) fill + 10% for usable capacity. A gross capacity figure is no longer provided as it is inappropriate for rating an agricultural elevator bucket.

**NOTE ON DESIGN:** Over 30 years ago, Tapco Inc. introduced the first "Heavy Duty" nonmetallic elevator bucket to the agricultural industry. This bucket, manufactured in the highly proven "CC" style, soon became the standard of the industry. Now, as design engineers, manufacturers, and elevator operators demand more from their legs in both throughput and extended life, Tapco is proud to introduce its new line of "CC-XD" Xtreme Duty elevator buckets. These buckets, molded in the same "CC" style, industry proven since 1935, offer benefits not found in other brands. They have the exact same capacities and discharge characteristics as our "CC-HD" buckets. This allows the designer, manufacturer or operator to directly interchange existing "CC-HD" buckets with the new "CC-XD" and maintain the same precise operating parameters that are expected from a correctly engineered bucket. The Tapco line of "XD" Xtreme Duty buckets will be expanded, in 2006, to include some fourteen of the most popular sizes. All buckets will be produced in polyethylene, nylon and urethane. Please contact us with your requirements and expectations.



## “LOW PROFILE” ELEVATOR BUCKETS



POLYETHYLENE  
URETHANE  
NYLON

48  
SIZES  
STYLE CC-HD, CC-XD  
&  
STYLE U-HD

**MANUFACTURED IN:**  
**HIGH DENSITY POLYETHYLENE**  
**SEVERE DUTY URETHANE**  
**SUPER TOUGH NYLON**

**AVAILABLE IN ALL SIZES OF TAPCO STYLE CC-HD, CC-XD & U-HD BUCKETS**

Tapco “Low Profile” buckets are designed to increase elevator capacity by allowing closer bucket spacing on the belt. They are a modified (cut-down) version of our buckets, varying only in depth and weight. Application, performance, discharge and all other characteristics are exactly the same as our buckets of the same material.

Guide to engineering “Low Profile” elevator buckets:

- Usable capacity: Water level (WL) +5%.
- Recommended spacing: 1" less than nominal projection.
- Consideration should be given to belt strength, horsepower, mechanical requirements and system ability to handle additional weight and volume.

Contact Tapco Inc. for additional engineering assistance.

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The color blue, when used in connection with elevator buckets, is a U.S. registered trademark owned by Tapco Inc.

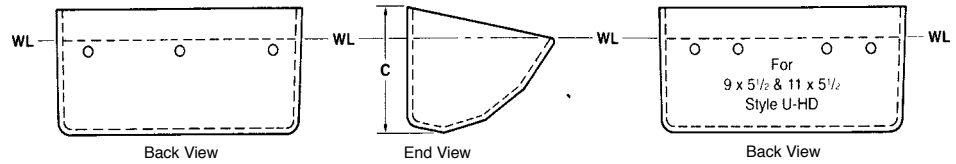
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# “LOW PROFILE” ELEVATOR BUCKETS



All Other Dimensions Typical of Tapco Style CC Buckets

## “LOW PROFILE” STYLE CC-HD BUCKETS

SIZE (Nominal) Metric	SIZE (Nominal) Inches	Spacing on Belt (Min.) Inches	Depth C ± 1/8"	Polyethylene Capacity		Weight Pounds (Average)	Urethane Capacity		Weight Pounds (Average)	Nylon Capacity		Weight Pounds (Average)
				WL ① Tolerance ± 3% Cu. In.	Cu. Ft.		WL ① Tolerance ± 3% Cu. In.	Cu. Ft.		WL ① Tolerance ± 3% Cu. In.	Cu. Ft.	
80-60	3 X 2	2	2	6.0	.0035	.11	6.2	.0036	0.14	6.2	.0036	0.12
120-80	4 X 3	3	3	16.8	.0097	.23	17.5	.0101	0.32	17.5	.0101	0.25
140-120	5 X 4	3	2-3/4	35.8	.0207	.38	37.2	.0215	0.51	37.2	.0215	0.42
160-120	6 X 4	3	2-3/4	43.3	.0251	.44	45.0	.0260	0.60	45.0	.0260	0.49
180-120	7 X 4	3	2-3/4	49.7	.0288	.49	51.7	.0299	0.67	51.7	.0299	0.55
160-140	6 X 5	4	3-3/4	68.3	.0395	.37	71.0	.0411	0.91	71.0	.0411	0.75
180-140	7 X 5	4	3-3/4	75.8	.0439	.82	78.8	.0456	1.11	78.8	.0456	0.96
200-140	8 X 5	4	3-3/4	85.4	.0494	.94	88.8	.0514	1.28	88.8	.0514	1.11
230-140	9 X 5	4	3-3/4	97.9	.0567	.86	101.8	.0589	1.18	101.8	.0589	1.02
260-140	10 X 5	4	3-3/4	113.5	.0657	1.05	118.0	.0683	1.39	118.0	.0683	1.18
280-140	11 X 5	4	3-3/4	127.2	.0736	1.07	132.2	.0766	1.63	132.2	.0766	1.23
300-140	12 X 5	4	3-3/4	143.1	.0828	1.20	148.8	.0861	1.84	148.8	.0861	1.55
200-160	8 X 6	5	4-3/4	124.5	.0720	1.14	129.5	.0749	1.49	129.5	.0749	1.20
230-160	9 X 6	5	4-3/4	135.9	.0786	1.22	141.3	.0818	1.71	141.3	.0818	1.46
260-160	10 X 6	5	4-3/4	150.4	.0870	1.31	156.4	.0905	1.80	156.4	.0905	1.60
280-160	11 X 6	5	4-3/4	173.4	.1003	1.43	180.3	.1043	1.90	180.3	.1043	1.65
300-160	12 X 6	5	4-3/4	185.4	.1073	1.58	192.8	.1116	2.14	192.8	.1116	1.80
330-160	13 X 6	5	4-3/4	203.8	.1179	1.64	212.0	.1227	2.22	212.0	.1227	1.90
350-160	14 X 6	5	4-3/4	198.3	.1148	1.70	206.2	.1193	2.45	206.2	.1193	2.16
260-180	10 X 7	6	5-3/4	219.4	.1270	1.90	228.2	.1321	2.58	228.2	.1321	2.25
280-180	11 X 7	6	5-3/4	234.2	.1355	2.06	243.6	.1410	2.90	243.6	.1410	2.43
300-180	12 X 7	6	5-3/4	248.2	.1436	2.08	258.1	.1494	2.91	258.1	.1494	2.46
330-180	13 X 7	6	5-3/4	284.4	.1646	2.36	295.8	.1712	3.21	295.8	.1712	2.80
350-180	14 X 7	6	5-3/4	301.9	.1747	2.49	314.0	.1817	3.28	314.0	.1817	2.89
370-180	15 X 7	6	5-3/4	331.4	.1918	2.71	344.7	.1995	3.83	344.7	.1995	3.08
400-180	16 X 7	6	5-3/4	346.5	.2005	2.77	360.4	.2086	3.85	360.4	.2086	3.23
450-180	18 X 7	6	5-3/4	396.7	.2296	3.24	412.6	.2388	4.50	412.6	.2388	3.96
500-180	20 X 7	6	5-3/4	433.3	.2508	3.60	450.6	.2608	5.00	450.6	.2608	4.40

## “LOW PROFILE” STYLE CC-HD & CC-XD “SUPER CAPACITY” BUCKETS

260-215	10 X 8	7	6-3/4	297.0	.1719	2.54	308.9	.1788	3.37	308.9	.1788	2.89
280-215	11 X 8	7	6-3/4	325.9	.1886	2.59	338.9	.1961	3.46	338.9	.1961	2.92
300-215	12 X 8	7	6-3/4	362.0	.2095	2.63	376.5	.2179	3.48	376.5	.2179	3.18
330-215	13 X 8	7	6-3/4	390.2	.2258	2.99	405.8	.2348	4.13	405.8	.2348	3.49
350-215	14 X 8	7	6-3/4	429.6	.2486	3.01	446.8	.2586	4.29	446.8	.2586	3.55
370-215	15 X 8	7	6-3/4	458.9	.2656	3.25	477.3	.2762	4.42	477.3	.2762	3.99
400-215	16 X 8	7	6-3/4	511.1	.2958	3.57	531.5	.3076	4.96	531.5	.3076	4.32
450-215	18 X 8	7	6-3/4	564.4	.3266	4.17	587.0	.3397	5.58	587.0	.3397	4.86
500-215	20 X 8	7	6-3/4	644.2	.3728	5.07	670.0	.3877	6.77	670.0	.3877	5.63
400-250	16 X 9	8	7-3/4	614.8	.3558	5.16	639.4	.3700	5.83	639.4	.3700	6.71
500-250	20 X 9	8	7-3/4	770.5	.4459	6.58	801.3	.4637	7.44	801.3	.4637	8.55
500-260	20 X 10	9	8-3/4	960.5	.5558	9.91	998.9	.5781		998.9	.5781	

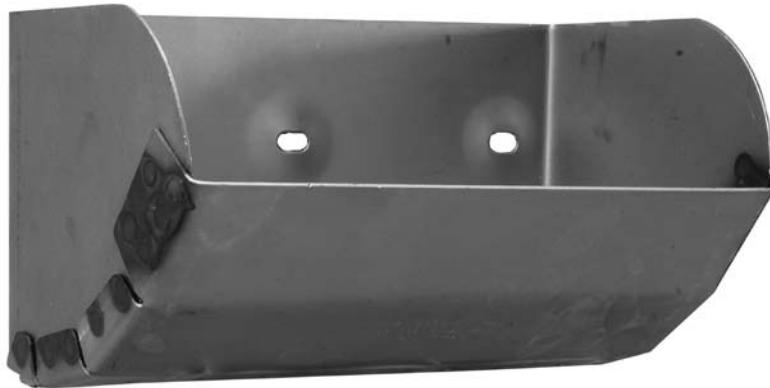
## “LOW PROFILE” STYLE U-HD BUCKETS fit Universal Industries Elevators

120-80	4 X 3	2-1/2	2-1/4	11.3	.0065	.16	11.8	.0068	0.21	11.8	.0068	0.18
160-120	6 X 4	3	2-3/4	35.4	.0205	.42	36.8	.0213	0.50	36.8	.0213	0.49
180-120	7 X 4-1/2	3	2-3/4	44.2	.0256	.47	46.0	.0266	0.57	46.0	.0266	0.56
230-150	9 X 5-1/2	4	3-3/4	97.9	.0567	.86	101.8	.0589	1.17	101.8	.0589	1.01
280-150	11 X 5-1/2	5	4-3/4	173.4	.1003	1.48	180.3	.1043	1.90	180.3	.1043	1.72
450-150	18 X 5-1/2	5	4-3/4	141.3	.0818	2.53	147.0	.0851	3.29	147.0	.0851	2.86
500-150	20 X 5-1/2	5	4-3/4	157.0	.0909	2.75	163.3	.0945	3.58	163.3	.0945	3.11
280-180	11 X 7	6	5-3/4	234.2	.1355	2.06	243.6	.1410	2.90	243.6	.1410	2.44

① Tapco recommends using WL (water level) fill + 5% for usable capacity. A gross capacity figure is no longer provided as it is inappropriate for rating an agricultural elevator bucket.  
 ② 14 X 6 bucket was designed to fit Hunter Mfg. Grizzly elevators. ③ Universal refers to this bucket as 3-3/4 X 3 in fabricated steel, the buckets are completely interchangeable.

## CC-B Elevator Bucket

48  
SIZES  
STYLE CC-B



CARBON STEEL  
OR  
STAINLESS STEEL

**AGRICULTURAL STYLE FOR HANDLING:  
GRAINS, FEEDS, FERTILIZERS, SEEDS, SALT, SAND,  
CHEMICALS, and FOOD PRODUCTS**

### FEATURES:

**STRAIGHT SIDES MINIMIZE DOWNLEGGING, BREAKS IN BOTTOM ALLOW BUCKET TO DISCHARGE OVER A WIDE RANGE OF ELEVATOR SPEEDS. PRIMARILY USED FOR THE SUBSTITUTION OF NONMETALLIC BUCKETS WHEN HEAT BECOMES TOO EXCESSIVE OR WHEN EXTREMELY SHARP PRODUCTS ARE CARRIED IN THE BUCKET ELEVATOR**

### TECHNICAL INFORMATION:

**STYLE:** CC-B.

**DESIGN:** High speed centrifugal discharge.

**MATERIAL:** Carbon Steel or Stainless Steel

**METHOD OF MANUFACTURE:** Fabricated (Spot welded).

**CONSTRUCTION:** The CC-B style bucket utilizes a 1-piece pressed formed design consisting of two end plates and a body. Please note that there is no taper on the sides of the bucket. The bottom is spot welded to the ends. **Tapco reserves the right to change bucket construction at any time.**

**CONSTRUCTION OPTIONS:** Contact Tapco for recommendations

**MATERIAL THICKNESS:** 18 ga., 16 ga., 14 ga..

**DRILLING:** No charge for standard belt drillings.

**VENTING:** Venting available on request, contact Tapco for recommendations.

**USABLE CAPACITY:** Tapco recommends using 75% of gross, (100%) capacity.

**SPACING:** Minimum bucket spacing has historically been nominal projection plus 2". Many style CC buckets, however, are being used at projection plus 1", and some even closer. For engineering purposes Tapco recommends using nominal projection plus 2".

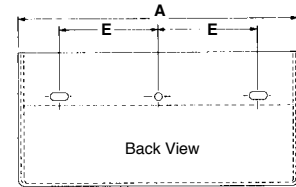
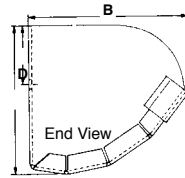
**INTERCHANGEABILITY:** Can be intermixed with existing fabricated and nonmetallic CC style buckets. If different weight buckets are mixed in, some care should be taken that the leg does not become too far out of balance. Check elevator for proper clearances. Contact Tapco for recommendations.

**INSTALLATION:** Fanged elevator bolts and nylon insert lock nuts are recommended for pulleys 6" in diameter and over. No. 3 Eclipse slotted head elevator bolts are recommended for pulleys under 6" in diameter. **Flat steel washers must be placed inside the bucket under the nuts.** Check elevator for proper clearances.

**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion.

**IN STOCK FOR IMMEDIATE SHIPPING  
AVAILABLE THROUGH INDUSTRIAL DISTRIBUTORS, CONTRACTORS, AND ORIGINAL EQUIPMENT MANUFACTURERS**

# FABRICATED STEEL ELEVATOR BUCKETS



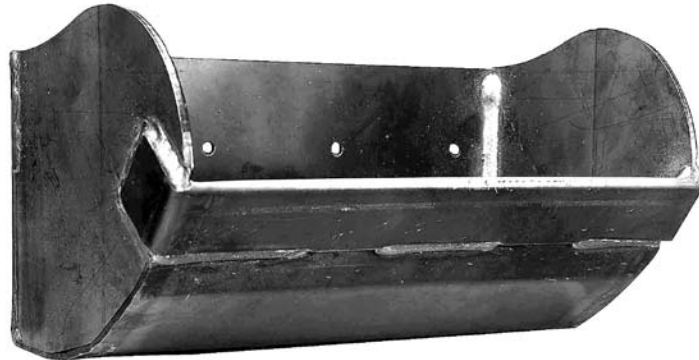
## STYLE CC-B BUCKETS

SIZE (Nominal) Millimeter	SIZE (Nominal) Inches	Dimensions-Actual (Inches) Tolerance A, B & C ±1/4"				Drilling-Standard (Inches) Holes Punched 1/16" Oversize				Weight (Average) Pounds	Bucket Capacity Gross ① 100%	Number Per Carton
		Length A	Proj. B	Depth C	Gauge T	Distance Down D	Center to Center E	Number Of Holes	Bolt Diameter			
120-80	4 X 3	4	3-3/16	2-11/16	16	7/8	2-1/2	2	1/4	.62	22	24
120-120	4 X 4	4	4-3/16	4	18	1-3/4	2-1/2	2	1/4	.90	39	24
140-120	5 X 4	5	4-3/16	4	18	1-3/4	3-3/16	2	1/4	.95	52	24
160-120	6 X 4	6	4-3/16	4	18	1-3/4	4-3/8	2	1/4	1.10	62	24
180-120	7 X 4	7	4-3/16	4	18	1-3/4	2-11/16	3	1/4	1.25	70	24
200-120	8 X 4	8	4-3/16	4	18	1-3/4	3-1/16	3	1/4	1.50	79	24
230-120	9 X 4	9	4-3/16	4	18	1-3/4	3-5/8	3	1/4	1.70	90	24
160-140	6 X 5	6	5-1/4	5	16	1-7/8	4-3/8	2	1/4	1.60	94	24
180-140	7 X 5	7	5-1/4	5	16	1-7/8	2-11/16	3	1/4	1.75	110	24
200-140	8 X 5	8	5-1/4	5	16	1-7/8	3-1/16	3	1/4	2.00	125	24
230-140	9 X 5	9	5-1/4	5	16	1-7/8	3-5/8	3	1/4	2.50	140	24
260-140	10 X 5	10	5-1/4	5	16	1-7/8	4-1/8	3	1/4	2.70	155	24
280-140	11 X 5	11	5-1/4	5	16	1-7/8	3	4	1/4	2.90	170	24
300-140	12 X 5	12	5-1/4	5	16	1-7/8	3-3/8	4	1/4	3.00	185	24
180-160	7 X 6	7	6-5/16	6	16	2-3/16	2-11/16	3	1/4	2.85	155	24
200-160	8 X 6	8	6-5/16	6	16	2-3/16	3-1/16	3	1/4	3.10	178	24
230-160	9 X 6	9	6-5/16	6	16	2-3/16	3-5/8	3	1/4	3.40	202	24
260-160	10 X 6	10	6-5/16	6	16	2-3/16	4-1/8	3	1/4	3.50	222	24
280-160	11 X 6	11	6-5/16	6	16	2-3/16	3	4	1/4	3.75	244	24
300-160	12 X 6	12	6-5/16	6	16	2-3/16	3-3/8	4	1/4	4.00	267	24
330-160	13 X 6	13	6-5/16	6	16	2-3/16	3-5/8	4	1/4	4.50	289	12
350-160	14 X 6	14	6-5/16	6	16	2-3/16	3	5	1/4	4.75	312	12
215-180	8 X 7	8	7-3/16	7	14	3-3/16	3-1/16	3	5/16	4.60	242	8
230-180	9 X 7	9	7-3/16	7	14	3-3/16	3-5/8	3	5/16	4.80	276	8
260-180	10 X 7	10	7-3/16	7	14	3-3/16	4-1/8	3	5/16	5.00	302	8
280-180	11 X 7	11	7-3/16	7	14	3-3/16	3	4	5/16	5.25	333	8
300-180	12 X 7	12	7-3/16	7	14	3-3/16	3-3/8	4	5/16	6.25	362	8
330-180	13 X 7	13	7-3/16	7	14	3-3/16	3-5/8	4	5/16	6.75	393	8
350-180	14 X 7	14	7-3/16	7	14	3-3/16	3	5	5/16	7.00	424	8
370-180	15 X 7	15	7-3/16	7	14	3-3/16	3-1/4	5	5/16	7.50	454	8
400-180	**16 X 7	16	7-3/16	7	14	3-3/16	2-7/8	6	5/16	8.00	486	8
450-180	**18 X 7	18	7-3/16	7	14	3-3/16	3-1/8	6	5/16	8.50	544	8
500-180	**20 X 7	20	7-3/16	7	14	3-3/16	3-1/2	6	5/16	9.25	605	8
560-180	**22 X 7	22	7-3/16	7	14	3-3/16	4	6	5/16	10.00	664	8
600-180	**24 X 7	24	7-3/16	7	14	3-3/16	3-1/2	7	5/16	10.75	725	8
230-215	9 X 8	9	8-1/8	8	14	3-1/2	3-5/8	3	5/16	5.60	349	8
260-215	10 X 8	10	8-1/8	8	14	3-1/2	4-1/8	3	5/16	6.10	388	8
280-215	11 X 8	11	8-1/8	8	14	3-1/2	3	4	5/16	6.75	427	8
300-215	12 X 8	12	8-1/8	8	14	3-1/2	3-3/8	4	5/16	7.50	466	8
330-215	13 X 8	13	8-1/8	8	14	3-1/2	3-5/8	4	5/16	7.75	505	8
350-215	14 X 8	14	8-1/8	8	14	3-1/2	3	5	5/16	8.25	543	8
370-215	15 X 8	15	8-1/8	8	14	3-1/2	3-1/4	5	5/16	8.50	582	8
400-215	**16 X 8	16	8-1/8	8	14	3-1/2	2-7/8	6	5/16	9.00	621	8
430-215	**17 X 8	17	8-1/8	8	14	3-1/2	3	6	5/16	9.50	660	8
450-215	**18 X 8	18	8-1/8	8	14	3-1/2	3-1/8	6	5/16	9.75	698	8
500-215	**20 X 8	20	8-1/8	8	14	3-1/2	3-1/2	6	5/16	10.75	776	8
560-215	**22 X 8	22	8-1/8	8	14	3-1/2	4	6	5/16	11.50	854	8
600-215	**24 X 8	24	8-1/8	8	14	3-1/2	3-1/2	7	5/16	12.00	931	8

① Tapco recommends using gross x .75, to get usable capacity. \*\* Supplied with lip brace, lip brace is optional on other sizes at slightly higher cost.

## CC "DIGGER" Elevator Bucket

40  
SIZES  
STYLE CC Digger



CARBON STEEL  
OR  
STAINLESS STEEL

**AGRICULTURAL STYLE FOR HANDLING:**  
GRAIN, FEEDS, FERTILIZERS, SUGAR, SALT, SAND,  
SEED, CEMENT, and MINERAL MIXES

### FEATURES:

**HEAVY GAUGE CONSTRUCTION, REINFORCED CORNER BRACES AND DOUBLE THICK LIP DESIGNED TO AID IN BREAKING UP MATERIAL IN THE BOOT SECTION OF THE BUCKET ELEVATOR**

### TECHNICAL INFORMATION

**STYLE:** CC Digger.

**DESIGN:** High speed centrifugal discharge.

**MATERIAL:** Carbon Steel or Stainless Steel.

**METHOD OF MANUFACTURE:** Fabricated.

**CONSTRUCTION:** The CC style digger bucket utilizes a 4-piece design consisting of two end plates, pressed formed body, and wear lip. Please note that there is no taper on the sides of the bucket with the ends continuously welded on the outside. **Tapco reserves the right to change construction.**

**CONSTRUCTION OPTIONS:** AR plating or hard bead weld.

**MATERIAL THICKNESS:** Carbon: 12 ga., 10 ga., Stainless: 12 ga., 14 ga.

**DRILLING:** No charge for standard belt drillings.

**VENTING:** Venting available on request, contact Tapco for recommendations.

**USABLE CAPACITY:** Net or usable capacity could range from 10% to 20% above water level. For engineering purposes Tapco recommends using WL (Water Level) + 10% for usable capacity.

**SPACING:** Minimum bucket spacing has historically been nominal projection plus 2". Many style CC buckets, however, are being used at projection plus 1", and some even closer. For engineering purposes Tapco recommends using nominal projection plus 2".

**INTERCHANGEABILITY:** Can be intermixed with existing fabricated and nonmetallic CC style buckets. If different weight buckets are mixed in, some care should be taken that the leg does not become too far out of balance. Check elevator for proper clearances. Contact Tapco for recommendations.

**INSTALLATION:** Fanged elevator bolts and nylon insert lock nuts are recommended for pulleys 6" in diameter and over. No. 3 Eclipse slotted head elevator bolts are recommended for pulleys under 6" in diameter. **Flat steel washers must be placed inside the bucket under the nuts.** Check elevator for proper clearances.

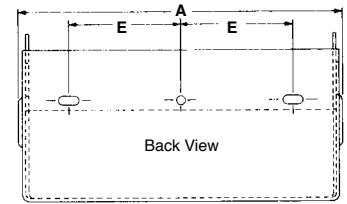
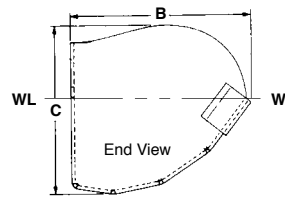
**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion.

IN STOCK FOR IMMEDIATE SHIPPING  
AVAILABLE THROUGH INDUSTRIAL DISTRIBUTORS, CONTRACTORS, AND ORIGINAL EQUIPMENT MANUFACTURERS

# STEEL "DIGGER" ELEVATOR BUCKETS



Bolt hole centers shown are standard and special punched. We will punch to your specifications.



## STYLE CC BUCKETS

Size (Nominal) Millimeter	Size (Nominal) Inches	Dimensions-Actual (Inches) Tolerance A,B & C ±.1/4"					Drilling-Patterns (Inches) Holes drilled 1/16" oversize					Capacity <sup>①</sup> Tolerance ± 3%				Spacing on Belt (Min.) Inches
		Length A	Proj. B	Depth C	Gauge Carbon	Gauge Stain-less	Hole Shape	Center to Center E	Number of Holes	Bolt Diam.	WL		WL + 10%			
80-60	3 X 2	3-1/2	2-5/8	2-1/16	12	14	Round	3-3/4	2	1/4	6.0	.0035	6.6	.0038	3	
120-80	4 X 3	4-1/2	3-5/8	3-1/16	12	14	Slotted	2-1/4, 2-1/2	2	1/4	16.8	.0097	18.5	.0107	4	
140-120	5 X 4	5-1/2	4-3/4	4-1/16	12	14	Round	3-3/16	2	1/4	35.8	.0207	39.4	.0228	5	
160-120	6 X 4	6-1/2	4-3/4	4-1/16	12	14	Slotted	4-3/8, 4-1/2	2	1/4	43.3	.0251	47.6	.0276	5	
180-120	7 X 4	7-1/2	4-3/4	4-1/16	12	14	Slotted	2-11/16, 2-5/8	3	1/4	49.7	.0288	54.7	.0316	5	
180-140	6 X 5	6-5/8	5-5/8	5-1/16	10	14	Slotted	4-3/8, 4-1/2	2	1/4	68.3	.0395	75.1	.0435	6	
180-140	7 X 5	7-5/8	5-5/8	5-1/16	10	14	Slotted	2-5/8, 2-11/16	3	1/4	75.8	.0439	83.4	.0483	6	
200-140	8 X 5	8-5/8	5-5/8	5-1/16	10	14	Round	3-1/16	3	1/4	85.4	.0494	93.9	.0544	6	
230-140	9 X 5	9-5/8	5-5/8	5-1/16	10	14	Slotted	3-1/4, 3-1/2, 3-5/8	3 *	1/4	97.9	.0567	107.7	.0623	6	
260-140	10 X 5	10-5/8	5-5/8	5-1/16	10	14	Slotted	4, 4-1/8	3	1/4	113.5	.0657	124.9	.0723	6	
280-140	11 X 5	11-5/8	5-5/8	5-1/16	10	14	Slotted	3, 3-1/8	4	1/4	127.2	.0736	139.9	.0766	6	
300-140	12 X 5	12-5/8	5-5/8	5-1/16	10	14	Round	3-3/8	4	1/4	143.1	.0828	157.4	.0911	6	
200-160	8 X 6	8-5/8	6-7/8	6-1/16	10	14	Slotted	2-11/16, 3-1/16	3	1/4	124.5	.0720	137.0	.0793	7	
230-160	9 X 6	9-5/8	6-7/8	6-1/16	10	14	Slotted	3-1/2, 3-5/8	3	1/4	135.9	.0786	149.5	.0865	7	
260-160	10 X 6	10-5/8	6-7/8	6-1/16	10	14	Slotted	4, 4-1/8	3	1/4	150.4	.0870	165.4	.0957	7	
280-160	11 X 6	11-5/8	6-7/8	6-1/16	10	14	Slotted	2-7/8, 3	4	1/4	173.4	.1003	190.7	.1104	7	
300-160	12 X 6	12-5/8	6-7/8	6-1/16	10	14	Slotted	3-1/4, 3-3/8	4	1/4	185.4	.1073	203.9	.1180	7	
330-160	13 X 6	13-5/8	6-7/8	6-1/16	10	14	Round	3-5/8	4	1/4	203.8	.1179	224.2	.1297	7	
350-160	14 X 6	14-1/4	6-7/8	5-7/8	10	14	Round	3	5	1/4	198.3	.1148	218.1	.1262	7	
260-180	10 X 7	10-5/8	8	7-1/16	10	14	Slotted	4, 4-1/8	3	5/16	219.4	.1270	241.3	.1397	7	
280-180	11 X 7	11-5/8	8	7-1/16	10	14	Round	3	4	5/16	234.2	.1355	257.6	.1491	8	
300-180	12 X 7	12-5/8	8	7-1/16	10	14	Slotted	3-1/4, 3-3/8	4	5/16	248.2	.1436	273.0	.1580	8	
330-180	13 X 7	13-5/8	8	7-1/16	10	14	Round	3-5/8	4	5/16	284.4	.1646	312.8	.1810	8	
350-180	14 X 7	14-5/8	8	7-1/16	10	14	Round	3	5	5/16	301.9	.1747	332.1	.1922	8	
370-180	15 X 7	15-5/8	8	7-1/16	10	14	Round	3-1/4	5	5/16	331.4	.1918	364.5	.2110	8	
400-180	16 X 7	16-5/8	8	7-1/16	10	14	Slotted	2-5/8, 2-7/8	6	5/16	346.5	.2005	381.2	.2206	8	
450-180	18 X 7	18-5/8	8	7-1/16	10	14	Round	3-1/8	6	5/16	396.7	.2296	436.4	.2525	8	
500-180	20 X 7	20-5/8	8	7-1/16	10	14	Round	3-1/2	6	5/16	433.3	.2508	476.6	.2758	8	

\* Two extra holes on 3-1/2 centers are provided to accommodate Universal Industries standard four hole pattern

## STYLE CC "SUPER CAPACITY" BUCKETS

Size (Nominal) Millimeter	Size (Nominal) Inches	Dimensions-Actual (Inches) Tolerance A,B & C ±.1/4"					Drilling-Patterns (Inches) Holes drilled 1/16" oversize					Capacity <sup>①</sup> Tolerance ± 3%				Spacing on Belt (Min.) Inches
		Length A	Proj. B	Depth C	Gauge Carbon	Gauge Stain-less	Hole Shape	Punching Center to Center E	Number of Holes	Bolt Diam.	WL		WL + 10%			
260-215	10 X 8	10-3/4	9	8-3/16	10	12	Round	4-1/8	3	5/16	297.0	.1719	326.7	.1891	9	
280-215	11 X 8	11-3/4	9	8-3/16	10	12	Round	3	4	5/16	325.9	.1886	358.5	.2075	9	
300-215	12 X 8	12-3/4	9	8-3/16	10	12	Slotted	3-1/4, 3-3/8	4	5/16	362.0	.2095	398.2	.2304	9	
330-215	13 X 8	13-3/4	9	8-3/16	10	12	Round	3-5/8	4	5/16	390.2	.2258	429.2	.2484	9	
350-215	14 X 8	14-3/4	9	8-3/16	10	12	Round	3	5	5/16	429.6	.2486	472.6	.2735	9	
370-215	15 X 8	15-3/4	9	8-3/16	10	12	Round	3-1/4	5	5/16	458.9	.2656	504.8	.2921	9	
400-215	16 X 8	16-3/4	9	8-3/16	10	12	Slotted	2-5/8, 2-7/8	6	5/16	511.1	.2958	562.2	.3254	9	
450-215	18 X 8	18-3/4	9	8-13/16	10	12	Round	3-1/8	6	5/16	564.4	.3266	620.8	.3593	9	
500-215	20 X 8	20-7/8	9-1/4	8-15/16	10	12	Round	3-1/2	6	5/16	644.2	.3728	708.6	.4101	9	
400-250	16 X 9	16-7/8	10-1/4	10-3/16	10	12	Round	2-7/8	6	5/16	614.8	.3558	676.3	.3914	10	
500-250	20 X 9	20-7/8	10-1/4	10-3/16	10	12	Round	3-1/2	6	5/16	770.5	.4459	847.6	.4905	10	
500-260	20X10	21	11-1/2	11-3/8	10	12	Round	3-1/2	6	3/8	960.5	.5558	1056.6	.6115	11	

① Tapco recommends using WL (water level) + 10% for usable capacity. A gross capacity figure is no longer provided as it is inappropriate for rating an agricultural elevator bucket. All sizes of Digger buckets can be manufactured in a low profile configuration for these applications. Digger buckets are manufactured to be greater in projection and length than nonmetallic buckets. Exact dimensions will vary by gauge of material used.

**TAPCO<sup>®</sup> INC.**

# Nu-Hy<sup>®</sup> STEEL ELEVATOR BUCKETS

**36  
SIZES**



**CARBON STEEL  
OR  
STAINLESS STEEL**

## **AGRICULTURAL STYLE FOR HANDLING:**

**GRAINS, FEEDS, FERTILIZERS, SEEDS, ICE, SUGAR,  
CHEMICALS, and FOOD PRODUCTS.**

## **FEATURES:**

**STRAIGHT SIDES MINIMIZE DOWNLEGGING, HIGHEST USABLE CAPACITY OF ANY STANDARD STEEL BUCKET,  
SHAPE ELIMINATES PREMATURE DISCHARGE, WELDED SIDES MAKE THE BUCKET  
VIRTUALLY INDESTRUCTIBLE**

## **TECHNICAL INFORMATION:**

**STYLE:** Nu-Hy

**DESIGN:** High speed centrifugal discharge.

**MATERIAL:** Carbon Steel or Stainless Steel.

**METHOD OF MANUFACTURE:** Fabricated (Spot welded).

**CONSTRUCTION:** The Nu-Hy style bucket utilizes a 3-piece pressed formed design consisting of two end plates and a body. Please note that there is no taper on the sides of the bucket with the body spot welded to the ends.

**CONSTRUCTION OPTIONS:** Contact Tapco for recommendations

**MATERIAL THICKNESS:** 18 ga., 16 ga., 14 ga..

**DRILLING:** No charge for standard belt drillings.

**VENTING:** Venting available on request, contact Tapco for recommendations.

**USABLE CAPACITY:** Tapco recommends using 90% of gross, (100%) capacity.

**SPACING:** Minimum bucket spacing has historically been nominal projection plus 2". Many Nu-Hy buckets, however, are being used at projection plus 1", and some even closer. For engineering purposes Tapco recommends using nominal projection plus 2".

**INTERCHANGEABILITY:** Can be intermixed with existing fabricated buckets. If different weight buckets are mixed in, some care should be taken that the leg does not become too far out of balance. Check elevator for proper clearances. Contact Tapco for recommendations.

**INSTALLATION:** Fanged elevator bolts and nylon insert lock nuts are recommended for pulleys 6" in diameter and over. No. 3 Eclipse slotted head elevator bolts are recommended for pulleys under 6" in diameter. **Flat steel washers must be placed inside the bucket under the nuts.** Check elevator for proper clearances. Contact Tapco for recommendations.

**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion.

**IN STOCK FOR IMMEDIATE SHIPPING  
AVAILABLE THROUGH INDUSTRIAL DISTRIBUTORS, CONTRACTORS, AND ORIGINAL EQUIPMENT MANUFACTURERS**

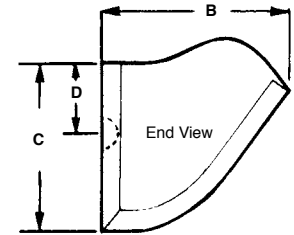
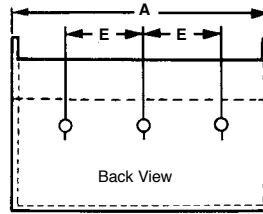
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RUBBER PRODUCTS INC.

**Call Toll Free: 1-866-711-4673**  
WebSales@GoodyearRubberProducts.com

**We Ship  
World Wide**

# Nu-Hy<sup>®</sup>

## STEEL ELEVATOR BUCKETS



### STYLE Nu-Hy BUCKETS

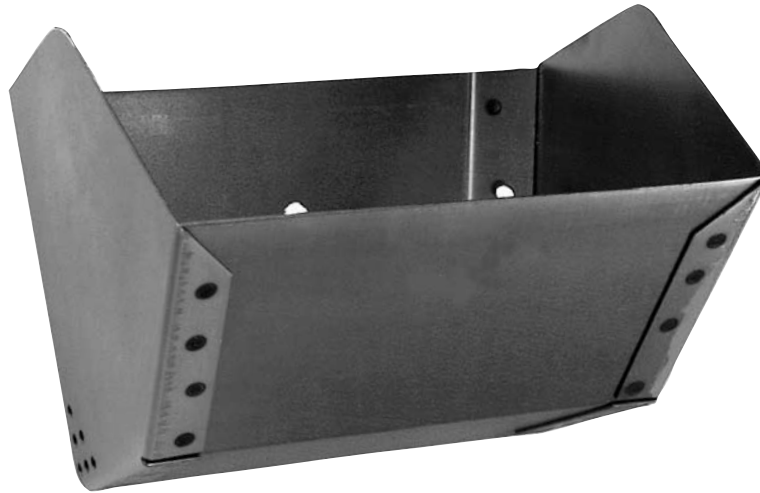
SIZE (Nominal) Millimeters	SIZE (Nominal) Inches	Dimensions – Actual (Inches) Tolerance A, B, C, D ± 1/8"				Punching – Standard (Inches) Holes Punched 1/32" Oversize				Capacity Tolerance ± 3%				Spacing on Belt Inches (Minimum)	Weight Each Pounds (Avg.)
		Length A	Proj. B	Depth C	Body Gauge	Center to Center E	Distance Down D	Number of Holes	Bolt Diameter	Gross 100%		Usable 90%			
										Cu. In.	Cu. Ft.	Cu. In.	Cu. Ft.		
80 X 80	3 X 3	3	3-1/4	2-7/8	18	1-3/8	1	2	1/4	18.0	.0104	16.2	.0094	4	.55
120 X 80	4 X 3	4	3-1/4	2-7/8	18	2-5/16	1	2	1/4	24.0	.0139	21.6	.0125	4	.65
140 X 80	5 X 3	5	3-1/4	2-7/8	18	3-3/16	1	2	1/4	30.0	.0174	27.0	.0157	4	.74
140 X 120	5 X 4	5	4-1/2	3-13/16	16	3-3/16	1-3/8	2	1/4	53.0	.0307	47.7	.0276	5-1/4	1.61
160 X 120	6 X 4	6	4-1/2	3-13/16	16	4-3/8	1-3/8	2	1/4	64.0	.0370	57.6	.0333	5-1/4	1.78
180 X 120	7 X 4	7	4-1/2	3-13/16	16	2-11/16	1-3/8	3	1/4	74.0	.0428	66.6	.0385	5-1/4	1.95
200 X 120	8 X 4	8	4-1/2	3-13/16	16	3-1/16	1-3/8	3	1/4	85.0	.0492	76.5	.0443	5-1/4	2.12
230 X 120	9 X 4	9	4-1/2	3-13/16	16	3-5/8	1-3/8	3	1/4	96.0	.0556	86.4	.0500	5-1/4	2.29
260 X 120	10 X 4	10	4-1/2	3-13/16	16	4-1/8	1-3/8	3	1/4	106.0	.0613	95.4	.0552	5-1/4	2.47
160 X 140	6 X 5	6	5-1/2	4-7/8	16	4-3/8	1-1/2	2	1/4	106.0	.0613	95.4	.0552	6-1/2	2.26
180 X 140	7 X 5	7	5-1/2	4-7/8	16	2-11/16	1-1/2	3	1/4	123.0	.0712	110.7	.0641	6-1/2	2.48
200 X 140	8 X 5	8	5-1/2	4-7/8	16	3-1/16	1-1/2	3	1/4	140.0	.0810	126.0	.0729	6-1/2	2.69
230 X 140	9 X 5	9	5-1/2	4-7/8	16	3-5/8	1-1/2	3	1/4	158.0	.0914	142.2	.0823	6-1/2	2.91
260 X 140	10 X 5	10	5-1/2	4-7/8	16	4-1/8	1-1/2	3	1/4	175.0	.1013	157.5	.0912	6-1/2	3.12
280 X 140	11 X 5	11	5-1/2	4-7/8	16	3	1-1/2	4	1/4	193.0	.1117	173.7	.1005	6-1/2	3.33
300 X 140	12 X 5	12	5-1/2	4-7/8	16	3-3/8	1-1/2	4	1/4	210.0	.1215	189.0	.1094	6-1/2	3.54
350 X 140	14 X 5	14	5-1/2	4-7/8	16	3	1-1/2	5	1/4	245.0	.1418	220.5	.1276	6-1/2	3.97
400 X 140	16 X 5	16	5-1/2	4-7/8	16	2-7/8	1-1/2	6	1/4	280.0	.1620	252.0	.1458	6-1/2	4.40
200 X 160	8 X 6	8	6-5/8	5-3/4	16	3-1/16	1-3/4	3	1/4	201.0	.1163	180.9	.1047	7-3/4	3.46
230 X 160	9 X 6	9	6-5/8	5-3/4	16	3-5/8	1-3/4	3	1/4	226.0	.1308	203.4	.1177	7-3/4	3.72
260 X 160	10 X 6	10	6-5/8	5-3/4	16	4-1/8	1-3/4	3	1/4	252.0	.1458	226.8	.1312	7-3/4	3.98
280 X 160	11 X 6	11	6-5/8	5-3/4	16	3	1-3/4	4	1/4	277.0	.1603	249.3	.1443	7-3/4	4.23
300 X 160	12 X 6	12	6-5/8	5-3/4	16	3-3/8	1-3/4	4	1/4	302.0	.1748	271.8	.1573	7-3/4	4.49
350 X 160	14 X 6	14	6-5/8	5-3/4	14	3	1-3/4	5	1/4	352.0	.2037	316.8	.1833	7-3/4	5.81
370 X 160	15 X 6	15	6-5/8	5-3/4	14	3-1/4	1-3/4	5	1/4	377.0	.2182	339.3	.1964	7-3/4	6.19
400 X 160	16 X 6	16	6-5/8	5-3/4	14	2-7/8	1-3/4	6	1/4	402.0	.2326	361.8	.2093	7-3/4	6.75
450 X 160	18 X 6	18	6-5/8	5-3/4	14	3-1/8	1-3/4	6	1/4	452.0	.2616	406.8	.2354	7-3/4	7.38
500 X 160	20 X 6	20	6-5/8	5-3/4	14	3-1/2	1-3/4	6	1/4	503.0	.2911	452.7	.2620	7-3/4	8.01
260 X 180	10 X 7	10	7-3/4	6-13/16	14	4-1/8	2	3	5/16	350.0	.2025	315.0	.1823	9	5.82
280 X 180	11 X 7	11	7-3/4	6-13/16	14	3	2	4	5/16	385.0	.2228	346.5	.2005	9	6.19
300 X 180	12 X 7	12	7-3/4	6-13/16	14	3-3/8	2	4	5/16	420.0	.2431	378.0	.2188	9	6.56
350 X 180	14 X 7	14	7-3/4	6-13/16	14	3	2	5	5/16	490.0	.2836	441.0	.2552	9	7.30
370 X 180	15 X 7	15	7-3/4	6-13/16	14	3-1/4	2	5	5/16	525.0	.3038	472.5	.2734	9	7.77
400 X 180	16 X 7	16	7-3/4	6-13/16	14	2-7/8	2	6	5/16	560.0	.3241	504.0	.2917	9	8.28
450 X 180	18 X 7	18	7-3/4	6-13/16	14	3-1/8	2	6	5/16	631.0	.3652	567.9	.3287	9	9.02
500 X 180	20 X 7	20	7-3/4	6-13/16	14	3-1/2	2	6	5/16	701.0	.4057	630.9	.3651	9	9.76

\* These sizes are furnished with a steel center brace. Two short buckets are recommended instead of one long bucket, example: two 10" X 6" buckets instead of one 20" X 6" bucket.

All sizes available in galvanized. Contact Tapco for availability.  
Nu-Hy is a registered trademark of Nu-Hy, Inc.

*Sweetheart*<sup>®</sup> **STEEL ELEVATOR BUCKETS**

**12  
SIZES**



**CARBON STEEL  
OR  
STAINLESS STEEL**

**AGRICULTURAL STYLE FOR HANDLING:**

**GRAINS, FEEDS, FERTILIZERS, SEEDS, SUGAR,  
CHEMICALS, and FOOD PRODUCTS.**

**FEATURES:**

**VENTED ENDS PROVIDE FAST AND CLEAN DISCHARGE, WRAP-AROUND ENDS PROVIDE REINFORCEMENT AND A FLAT BELT SURFACE, HIGH TAPERED ENDS MINIMIZE SPILLAGE AND PERMIT NESTING OF BUCKETS**

**TECHNICAL INFORMATION:**

**STYLE:** Sweetheart

**DESIGN:** High speed centrifugal discharge.

**MATERIAL:** Carbon Steel or Stainless Steel.

**METHOD OF MANUFACTURE:** Fabricated (Spot welded).

**CONSTRUCTION:** The Sweetheart style bucket utilizes a 3-piece pressed formed design consisting of two end plates and a body. Please note that there is a taper on the sides of the bucket with the ends spot welded to the body.

**CONSTRUCTION OPTIONS:** Contact Tapco for recommendations

**MATERIAL THICKNESS:** 16 ga., 14 ga..

**DRILLING:** No charge for standard belt drillings.

**VENTING:** Standard, ends only

**USABLE CAPACITY:** Tapco recommends using 90% of gross, (100%) capacity.

**SPACING:** Minimum bucket spacing has historically been nominal projection plus 2". Many Sweetheart buckets, however, are being used at projection plus 1", and some even closer. For engineering purposes Tapco recommends using nominal projection plus 2".

**INTERCHANGEABILITY:** Can be intermixed with existing fabricated buckets. If different weight buckets are mixed in, some care should be taken that the leg does not become too far out of balance. Check elevator for proper clearances. Contact Tapco for recommendations.

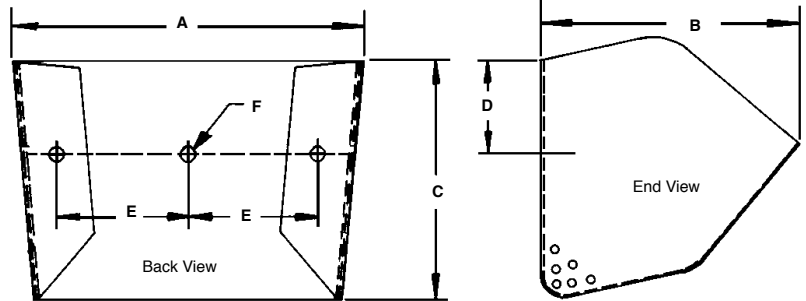
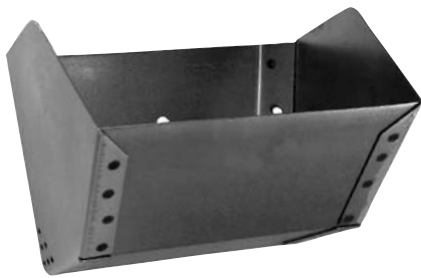
**INSTALLATION:** Fanged elevator bolts and nylon insert lock nuts are recommended for pulleys 6" in diameter and over. No. 3 Eclipse slotted head elevator bolts are recommended for pulleys under 6" in diameter. **Flat steel washers must be placed inside the bucket under the nuts.** Check elevator for proper clearances. Contact Tapco for recommendations.

**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion.

**AVAILABLE THROUGH INDUSTRIAL DISTRIBUTORS, CONTRACTORS, AND ORIGINAL EQUIPMENT MANUFACTURERS**



# Sweetheart® STEEL ELEVATOR BUCKETS



## STYLE SWEETHEART BUCKETS

SIZE (Nominal) Millimeter	SIZE (Nominal) Inches	Dimension-Actual (Inches) Tolerance A,B,C ±1/8" T ±1/64"				Punching-Standard Inches					Capacity Tolerance ± 3%				Spacing on Belt Inches (Min.)	Weight Pounds Each (Average)
		Length A	Proj. B	Depth C	Body Gauge	Center to Center E	Distance Down D	Diam. of Bolt Holes F	Number of Holes	Bolt Diameter	Gross 100%		Usable 90%			
											Cu. In.	Cu. Ft.	Cu. In.	Cu. Ft.		
160-120	<b>6 X 4</b>	6	4-15/16	3-3/8	16	4-3/8	1-1/2	5/16	2	1/4	62	.0359	55.8	.0323	5	1.7
160-140	<b>6 X 5</b>	6	5-3/8	4-3/4	16	4-3/8	1-3/4	5/16	2	1/4	96	.0556	86.4	.0500	6	2.0
230-140	<b>9 X 5</b>	9	5-3/8	4-3/4	16	3-5/8	1-3/4	5/16	3	1/4	145	.0839	130.5	.0755	6	2.8
230-160	<b>9 X 6</b>	9	6-1/2	5-3/4	16	3-5/8	2	5/16	3	1/4	213	.1233	191.7	.1109	8	3.3
260-160	<b>10 X 6</b>	10	6-1/2	5-3/4	16	4-1/8	2	5/16	3	1/4	237	.1372	213.3	.1234	8	3.5
300-160	<b>12 X 6</b>	12	6-1/2	5-3/4	16	3-3/8	2	5/16	4	1/4	284	.1644	255.6	.1479	8	3.7
300-180	<b>12 X 7</b>	12	7-5/16	6-5/8	14	3-3/8	2	11/32	4	5/16	375	.2170	337.5	.1953	9	5.4
370-180	<b>15 X 7</b>	15	7-5/16	6-5/8	14	3-1/4	2	11/32	5	5/16	469	.2714	422.1	.2442	9	6.3
260-250	<b>10 X 9</b>	10	9-3/8	8-1/2	14	4-1/8	2-1/4	11/32	3	5/16	466	.2697	419.4	.2427	10	6.7
330-250	<b>13 X 9</b>	13	9-3/8	8-1/2	14	3-3/4	2-1/4	11/32	4	5/16	606	.3507	545.4	.3156	10	8.0
350-250	<b>14 X 9</b>	14	9-3/8	8-1/2	14	3	2-1/4	11/32	5	5/16	652	.3773	586.8	.3396	10	8.4
400-250	<b>16 X 9</b>	16	9-3/8	8-1/2	14	2-7/8	2-1/4	11/32	6	5/16	746	.4317	671.4	.3885	10	9.3

Sweetheart® is a registered trademark of Sweet Manufacturing Co.

## **SUPER EUROBUCKET™** HIGH DENSITY POLYETHYLENE FOR USE IN FREE FLOWING PRODUCT APPLICATIONS

10  
SIZES



PRIME  
VIRGIN  
POLYETHYLENE

**AGRICULTURAL STYLE FOR HANDLING:**  
GRAINS, FEEDS, FERTILIZERS, SEEDS, SALT,  
CHEMICALS, AND FOOD PRODUCTS

### FEATURES:

LONG LASTING, TOUGH AND FLEXIBLE, THICK WALLS, LIGHT WEIGHT, CLEAN DISCHARGE,  
LESS PRODUCT DAMAGE, NONSPARKING, NONCORROSIVE

### TECHNICAL INFORMATION:

**STYLE:** Super EuroBucket

**DESIGN:** High speed centrifugal discharge.

**MATERIAL:** High density linear polyethylene.

**METHOD OF MANUFACTURE:** Injection molded.

**COLOR:** Blue. White, special order for flour, sugar, etc..

**TEMPERATURE RANGE:** -60°F to +200°F/ -51°C to +93°C.

**FLAMMABILITY:** The high density polyethylene used in Tapco buckets is termed "slow burning". It has been tested under ASTM Test No. D635. It also meets the criteria for approval of the Motor Vehicle Safety Standard No. 302 and Underwriters Laboratory Bulletin No. 94. Combustion in an excess of air results in harmless by-products (fumes) which are nontoxic.

**STANDARD DRILLING:** No charge.

**SPECIAL DRILLING:** Any pattern and hole diameter can be provided at minimal cost.

**VENTING:** Available for special applications. Contact Tapco for recommendations.

**INTERCHANGEABILITY:** Can be intermixed with existing steel or nonmetallic buckets. Some consideration should be given to balance. Bucket projection varies by manufacturer and material. Check elevator for proper clearances. Contact Tapco for recommendations.

**INSTALLATION:** Tapco fanged elevator bolts and nylon insert lock nuts are recommended for installation. **Flat steel washers must be placed inside the bucket under the nuts. DIN bolts and/or domed washers are not recommended.** Check leg for proper clearances.

**FDA STATUS:** Polyethylene used meets the requirements of the Food Additives Law and Regulation No. 177.1520. Blue pigment meets Regulations No. 175.300 and 177.2600.

**UV RESISTANCE:** No UV (ultraviolet) stabilizers are added to Tapco buckets because most elevator buckets are enclosed in casings. Tapco buckets should not be exposed to direct sunlight for extended periods of time.

**RECOMMENDATIONS:** Polyethylene buckets are ideal for use with grains, feeds, fertilizers, seeds, food products, chemicals, salt and most free flowing agricultural products handled in bucket elevators.

**LIMITATIONS:** Polyethylene buckets should not be used on the following: (1) Materials over 200°F/93°C. (2) Sharp edged materials such as crushed glass or oyster shells. (3) Large dense materials such as gravel and ores over 3/8" in diameter. (4) A few extremely abrasive and sluggish materials such as dried whey, some pellets and extruded feeds. (5) Some severe soybean and rice applications.

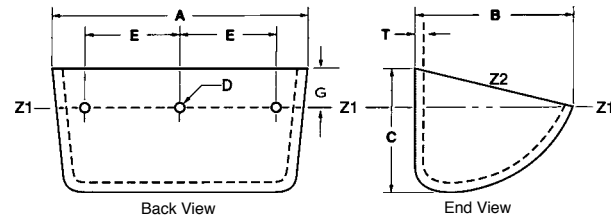
**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion. Polyethylene buckets can be ignited and will burn from improper welding and cutting.

**IMPORTANT:** When elevating certain materials that harden or set up with moisture, a Tapco steel digger bucket should replace every 10th polyethylene bucket.

IN STOCK FOR IMMEDIATE SHIPPING  
AVAILABLE THROUGH INDUSTRIAL DISTRIBUTORS, CONTRACTORS, AND ORIGINAL EQUIPMENT MANUFACTURERS

The color blue, when used in connection with elevator buckets, is a U.S. registered trademark owned by Tapco Inc.

# HIGH DENSITY POLYETHYLENE ELEVATOR BUCKETS



## STYLE SUPER EUROBUCKET

SIZE Inches (Millimeters) (Nominal)	Dimension-Actual (Inches) Tolerance A, B, C ± 1/8" G, T ± 1/64"				Hole Drilling-Standard (Inches)					Capacity Cubic Inches Tolerance ± 3%		Spacing on Belt Inches (Minimum)	Weight (Pounds)		
	Length A	Proj. B	Depth C	Thickness T	No. of Holes	Hole Dia. D	Center to Center E	Distance Down G	Bolt Dia.	Z2	Z1		Each (Average)	Per Carton (Average)	Number Per Carton
4 X 3-1/2 (100-90)	4-5/16	3-3/4	2-7/8	13/64	2	11/32	2	15/16	5/16	22.0	15.9	3	0.26	5.9	20
5 X 4-1/2 (130-120)	5-9/16	5	3-3/4	7/32	2	11/32	2-3/4	1-1/8	5/16	51.9	38.4	4	0.49	11.0	20
6 X 5 (140-120)	5-15/16	5	3-3/4	7/32	2	11/32	2-3/4	1-1/8	5/16	56.1	41.5	4	0.53	12.1	20
7 X 5-1/2 (180-140)	7-9/16	6-3/16	4-5/8	1/4	2	11/32	3-15/16	1-5/16	5/16	111.7	83.6	5	0.97	22.0	20
8 X 5-1/2 (200-140)	8-3/8	6-3/16	4-5/8	1/4	2	11/32	3-15/16	1-5/16	5/16	124.5	93.4	5	1.06	23.8	20
9 X 6-1/2 (230-160)	9-5/8	6-5/8	4-15/16	1/4	2	11/32*	4-3/4	1-3/8	*5/16	165.4	123.9	5	1.37	27.9	20
11 X 6-1/2 (280-165)	11-9/16	6-3/4	5-5/16	1/4	3	11/32*	3-3/16	1-5/8	*5/16	226.4	173.3	6	1.69	37.0	20
12 X 7 (300-180)	12-3/8	7-9/16	5-5/8	5/16	3	11/32	4	1-5/8	5/16	283.7	213.0	6	2.23	47.1	20
13 X 8-1/2 (330-215)	13-9/16	9-3/16	6-7/8	11/32	3	13/32	4-3/4	2-1/8	3/8	457.0	342.9	7	3.55	55.0	15
15 X 8-1/2 (370-215)	15-3/16	9-3/16	6-7/8	11/32	4	13/32	3-9/16	2-1/8	3/8	515.6	387.5	7	3.81	60.0	15

Standard Bolt Holes Drilled on the Z1 (Water Level) Line ± 1/4"

**\*IMPORTANT:** Holes can be drilled for 5/16" or 3/8" bolts, please specify.

Super EuroBuckets are designed to replace Super Starco, Jet and other European manufactured elevator buckets

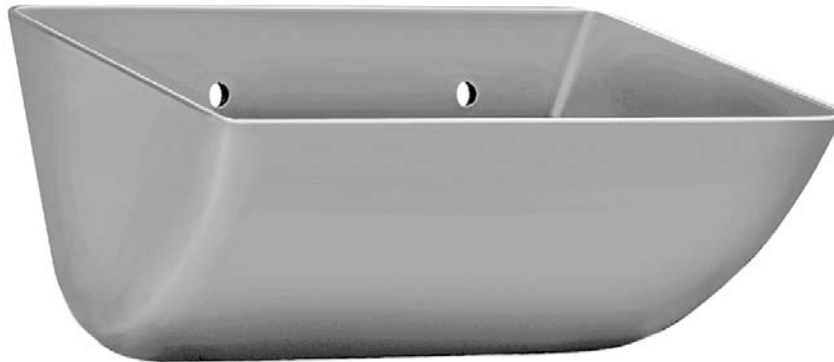
**NOTE ON STYLE:** For over fifteen years, Tapco has been providing low profile buckets to replace European style buckets manufactured in steel. These buckets have been a modification of our full sized CC-HD style. While the modified buckets performed beyond expectations, Tapco realized there was still a need for a true European style bucket. In late 1999, we presented our first Super EuroBuckets to the industry. These buckets, produced from new molds, are a direct interchange with European brands of steel buckets. Currently there are ten sizes in stock. Until all sizes are added to the Super EuroBucket line, we suggest using one of the CC-HD low profile buckets to meet your needs. The combination of low profile and Super EuroBuckets gives Tapco the widest range of nonmetallic European style buckets on the market. Please contact us with any questions about interchangeability.



# **SUPER EUROBUCKET™**

**SUPER TOUGH NYLON**

**FOR USE IN ROUGH AND ABRASIVE, HIGH VOLUME APPLICATIONS**



**10  
SIZES**

**PRIME VIRGIN  
IMPACT MODIFIED  
NYLON**

**AGRICULTURAL STYLE FOR HANDLING:  
SOYBEANS, FERTILIZERS, SALT, SAND, CHEMICALS  
and OTHER ROUGH or ABRASIVE PRODUCTS**

## **FEATURES:**

**OUTSTANDING IMPACT and ABRASION RESISTANCE, EXTRAORDINARILY TOUGH and MORE RIGID THAN  
POLYETHYLENE or URETHANE, BETTER HEAT RESISTANCE, NONSPARKING, NONCORROSIVE**

## **TECHNICAL INFORMATION:**

**STYLE:** Super EuroBucket

**DESIGN:** High speed centrifugal discharge.

**MATERIAL:** Impact modified nylon.

**METHOD OF MANUFACTURE:** Injection molded.

**COLOR:** Gray.

**TEMPERATURE RANGE:** -40°F to + 275°F/-40°C to + 135°C.

**FLAMMABILITY:** The impact modified nylon used in Tapco buckets is termed "slow burning". It has been tested under Underwriters' Laboratory Bulletin No. 94 HB. The primary toxic product of combustion is carbon monoxide.

**STANDARD DRILLING:** No charge.

**SPECIAL DRILLING:** Any pattern and hole diameter can be provided at minimal cost.

**VENTING:** Available for special applications. Contact Tapco for recommendations.

**INTERCHANGEABILITY:** Can be intermixed with existing steel or nonmetallic buckets. Some consideration should be given to balance. Bucket projection varies by manufacturer and material. Check elevator for proper clearances. Contact Tapco for recommendations.

**INSTALLATION:** Tapco fanged elevator bolts and nylon insert lock nuts are recommended for installation. **Flat steel washers must be placed inside the bucket under the nuts. DIN bolts and/or domed washers are not recommended.** Check leg for proper clearances.

**FDA STATUS:** Impact modified nylon does not meet requirements for FDA approval.

**UV RESISTANCE:** No UV (ultraviolet) stabilizers are added to Tapco buckets because most elevator buckets are enclosed in casings. Tapco buckets should not be exposed to direct sunlight for extended periods of time.

**RECOMMENDATIONS:** Nylon buckets are extremely strong. They are unsurpassed in rough or severe service elevators. The outstanding abrasion resistant characteristics make this an excellent bucket for grain, soybeans, feeds, fertilizer, chemicals, sand and other free-flowing products.

**LIMITATIONS:** Nylon buckets should not be used in the following: (1) Materials over 275°F/135°C. (2) Large dense material such as gravel and ore over 3/8" diameter. (3) Some sharp sluggish materials such as large glass cullet or oyster shells.

**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion. Nylon buckets can be ignited and will burn from improper welding and cutting.

**IMPORTANT:** When elevating certain materials that harden or set up with moisture, a Tapco steel digger bucket should replace every 10th nylon bucket.

**IN STOCK FOR IMMEDIATE SHIPPING**

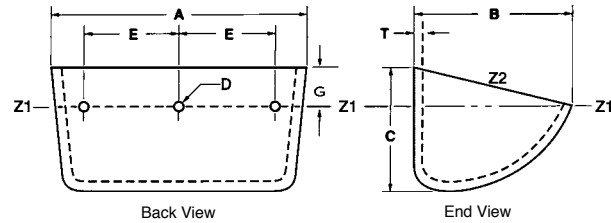
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# SUPER TOUGH NYLON ELEVATOR BUCKETS



## STYLE SUPER EUROBUCKET

SIZE Inches (Millimeters) (Nominal)	Dimension-Actual (Inches) Tolerance A, B, C ± 1/8" G, T ± 1/64"				Hole Drilling-Standard (Inches)					Capacity Cubic Inches Tolerance ± 3%		Spacing on Belt Inches (Minimum)	Weight (Pounds)		
	Length A	Proj. B	Depth C	Thickness T	No. of Holes	Hole Dia. D	Center to Center E	Distance Down G	Bolt Dia.	Z2	Z1		Each (Average)	Per Carton (Average)	Number Per Carton
4 X 3-1/2 (100-90)	4-3/8	3-3/4	2-7/8	7/32	2	11/32	2	15/16	5/16	22.9	16.5	3	0.29	6.6	20
5 X 4-1/2 (130-120)	5-5/8	5	3-3/4	7/32	2	11/32	2-3/4	1-1/8	5/16	54.0	39.9	4	0.55	12.1	20
6 X 5 (140-120)	6	5	3-3/4	1/4	2	11/32	2-3/4	1-1/8	5/16	58.3	43.2	4	0.59	12.7	20
7 X 5-1/2 (180-140)	7-5/8	6-3/16	4-5/8	1/4	2	11/32	3-15/16	1-5/16	5/16	116.2	86.9	5	1.10	24.1	20
8 X 5-1/2 (200-140)	8-7/16	6-3/16	4-5/8	5/16	2	11/32	3-15/16	1-5/16	5/16	129.5	97.1	5	1.12	25.2	20
9 X 6-1/2 (230-160)	9-11/16	6-5/8	4-15/16	5/16	2	11/32*	4-3/4	1-3/8	*5/16	172.0	128.9	5	1.56	32.3	20
11 X 6-1/2 (280-165)	11-5/8	6-3/4	5-5/16	5/16	3	11/32*	3-3/16	1-5/8	*5/16	235.5	180.2	6	1.89	40.5	20
12 X 7 (300-180)	12-7/16	7-9/16	5-5/8	5/16	3	11/32	4	1-5/8	5/16	295.0	221.5	6	2.49	52.1	20
13 X 8-1/2 (330-215)	13-5/8	9-3/16	6-7/8	3/8	3	13/32	4-3/4	2-1/8	3/8	475.3	356.6	7	3.95	63.6	15
15 X 8-1/2 (370-215)	15-1/4	9-3/16	6-7/8	3/8	4	13/32	3-9/16	2-1/8	3/8	536.2	403.0	7	4.32	70.0	15

Standard Bolt Holes Drilled on the Z1 (Water Level) Line ± 1/4"

**\*IMPORTANT:** Holes can be drilled for 5/16" or 3/8" bolts, please specify.

Super EuroBuckets are designed to replace Super Starco, Jet and other European manufactured elevator buckets.

**NOTE ON STYLE:** For over fifteen years, Tapco has been providing low profile buckets to replace European style buckets manufactured in steel. These buckets have been a modification of our full sized CC-HD style. While the modified buckets performed beyond expectations, Tapco realized there was still a need for a true European style bucket. In late 1999, we presented our first Super EuroBuckets to the industry. These buckets, produced from new molds, are a direct interchange with European brands of steel buckets. Currently there are ten sizes in stock. Until all sizes are added to the Super EuroBucket line, we suggest using one of the CC-HD low profile buckets to meet your needs. The combination of low profile and Super EuroBuckets gives Tapco the widest range of nonmetallic European style buckets on the market. Please contact us with any questions about interchangeability.



## SUPER EUROBUCKET™

SEVERE DUTY URETHANE  
FOR USE IN HIGH ABRASION AND HIGH THROUGHPUT APPLICATIONS

10  
SIZES



PRIME VIRGIN  
THERMOPLASTIC  
URETHANE

### AGRICULTURAL STYLE FOR HANDLING

PELLETIZED OR EXTRUDED FEEDS, SOYBEANS, FERTILIZERS, OYSTER SHELLS, SALT, SAND,  
CHEMICALS, and OTHER ABRASIVE PRODUCTS

### FEATURES

EXTREME ABRASION RESISTANCE, TOUGH AND FLEXIBLE, THICK WALLS, LIGHT WEIGHT, CLEAN DISCHARGE,  
LESS PRODUCT DAMAGE, NONSPARKING, NONCORROSIVE

### TECHNICAL INFORMATION:

**STYLE:** Super EuroBucket

**DESIGN:** High speed centrifugal discharge.

**MATERIAL:** Thermoplastic urethane.

**METHOD OF MANUFACTURE:** Injection molded.

**COLOR:** Beige, (Tan).

**TEMPERATURE RANGE:** -60°F to + 212°F/-51° C to + 100°C.

**DUROMETER RANGE:** Shore D 60-70.

**FLAMMABILITY:** The Urethane used in Tapco buckets, meets the criteria of the Underwriters' Laboratory Bulletin No. 94 HB. It has been tested under ASTM Test No. D635 and has a burn rate of 0.76"/min. it also meets approval under motor vehicle safety standard No. 302, with a burn rate of 0.0"/min.

**STANDARD DRILLING:** No charge.

**SPECIAL DRILLING:** Any pattern and hole diameter can be provided at minimal cost.

**VENTING:** Available for special applications. Contact Tapco for recommendations.

**INTERCHANGEABILITY:** Can be intermixed with existing steel or nonmetallic buckets. Some consideration should be given to balance. Bucket projection varies by manufacturer and material. Check elevator for proper clearances. Contact Tapco for recommendations.

**INSTALLATION:** Tapco fanged elevator bolts and nylon insert lock nuts are recommended for installation. **Large flat steel (fender) washers must be placed inside the bucket under the nuts. DIN bolts and/or domed washers are not recommended.** Check leg for proper clearances.

**FDA STATUS:** Our standard urethane does not meet the requirements for FDA approval. FDA approved urethane is available, special order.

**UV RESISTANCE:** No UV (ultraviolet) stabilizers are added to Tapco buckets because most elevator buckets are enclosed in casings. Tapco buckets should not be exposed to direct sunlight for extended periods.

**RECOMMENDATIONS:** Urethane buckets are ideal for use with pelletized high fat and molasses feeds, extruded feeds, severe soybean, rice and barley applications and other abrasive agricultural products. They are excellent for extremely high throughput elevators.

**LIMITATIONS:** Urethane buckets should not be used on the following: (1) Materials over 212°F/100°C. (2) Large dense materials such as gravel and ores over 3/8" in diameter. (3) Some sharp sluggish materials such as large glass cullet.

**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion. Urethane buckets can be ignited and will burn from improper welding and cutting.

**IMPORTANT:** When elevating certain materials that harden or set up with moisture, a Tapco steel digger bucket should replace every 10th urethane bucket.

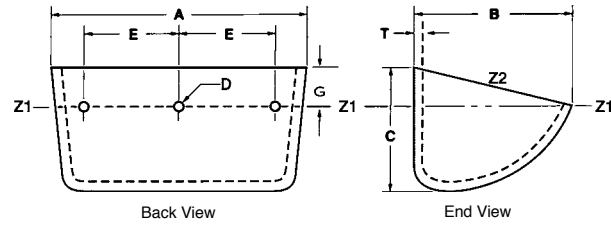
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# SEVERE DUTY URETHANE ELEVATOR BUCKETS



## STYLE SUPER EUROBUCKET

SIZE Inches (Millimeters) (Nominal)	Dimension-Actual (Inches) Tolerance A, B, C ± 1/8" G, T ± 1/64"				Hole Drilling-Standard (Inches)					Capacity Cubic Inches Tolerance ± 3%		Spacing on Belt Inches (Minimum)	Weight (Pounds)		
	Length A	Proj. B	Depth C	Thickness T	No. of Holes	Hole Dia. D	Center to Center E	Distance Down G	Bolt Dia.	Z2	Z1		Each (Average)	Per Carton (Average)	Number Per Carton
4 X 3-1/2 (100-90)	4-3/8	3-3/4	2-7/8	7/32	2	11/32	2	15/16	5/16	22.9	16.5	3	0.34	7.7	20
5 X 4-1/2 (130-120)	5-11/16	5	3-3/4	7/32	2	11/32	2-3/4	1-1/8	5/16	54.0	39.9	4	0.65	14.1	20
6 X 5 (140-120)	6-1/16	5	3-3/4	1/4	2	11/32	2-3/4	1-1/8	5/16	58.3	43.2	4	0.69	15.1	20
7 X 5-1/2 (180-140)	7-11/16	6-3/16	4-5/8	1/4	2	11/32	3-15/16	1-5/16	5/16	116.2	86.9	5	1.27	27.9	20
8 X 5-1/2 (200-140)	8-1/2	6-3/16	4-5/8	5/16	2	11/32	3-15/16	1-5/16	5/16	129.5	97.1	5	1.40	25.3	20
9 X 6-1/2 (230-160)	9-3/4	6-5/8	4-15/16	5/16	2	11/32*	4-3/4	1-3/8	*5/16	172.0	128.9	5	1.83	38.9	20
11 X 6-1/2 (280-165)	11-3/4	6-3/4	5-5/16	5/16	3	11/32*	3-3/16	1-5/8	*5/16	235.5	180.2	6	2.18	46.9	20
12 X 7 (300-180)	12-9/16	7-9/16	5-5/8	5/16	3	11/32	4	1-5/8	5/16	295.0	221.5	6	2.93	62.3	20
13 X 8-1/2 (330-215)	13-3/4	9-3/16	6-7/8	3/8	3	13/32	4-3/4	2-1/8	3/8	475.3	356.6	7	4.61	72.6	15
15 X 8-1/2 (370-215)	15-3/8	9-3/16	6-7/8	3/8	4	13/32	3-9/16	2-1/8	3/8	536.2	403.0	7	5.42	85.7	15

Standard Bolt Holes Drilled on the Z1 (Water Level) Line ± 1/4"

**\*IMPORTANT:** Holes can be drilled for 5/16" or 3/8" bolts, please specify.

Super EuroBuckets are designed to replace Super Starco, Jet and other European manufactured elevator buckets.

**NOTE ON STYLE:** For over fifteen years, Tapco has been providing low profile buckets to replace European style buckets manufactured in steel. These buckets have been a modification of our full sized CC-HD style. While the modified buckets performed beyond expectations, Tapco realized there was still a need for a true European style bucket. In late 1999, we presented our first Super EuroBuckets to the industry. These buckets, produced from new molds, are a direct interchange with European brands of steel buckets. Currently there are ten sizes in stock. Until all sizes are added to the Super EuroBucket line, we suggest using one of the CC-HD low profile buckets to meet your needs. The combination of low profile and Super EuroBuckets gives Tapco the widest range of nonmetallic European style buckets on the market. Please contact us with any questions about interchangeability.

**EUROBUCKET<sup>™</sup>**



**MANUFACTURED IN:  
HIGH DENSITY POLYETHYLENE  
SEVERE DUTY URETHANE  
SUPER TOUGH NYLON**

Tapco EuroBuckets are designed to increase elevator capacity by allowing closer bucket spacing on the belt. They are a modified (cut-down) version of our Super EuroBuckets, varying only in depth and weight. Application, performance, discharge and all other characteristics are exactly the same as our buckets of the same material.

Guide to engineering EuroBucket elevator buckets:

- Usable capacity: Water level (Z1) +5%.
- Consideration should be given to belt strength, horsepower, mechanical requirements and system ability to handle additional weight and volume.

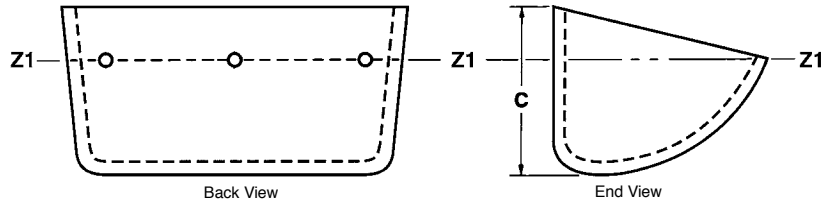
Contact Tapco Inc. for additional engineering assistance.

**IN STOCK FOR IMMEDIATE SHIPPING  
AVAILABLE THROUGH INDUSTRIAL DISTRIBUTORS, CONTRACTORS, AND ORIGINAL EQUIPMENT MANUFACTURERS**

The color blue, when used in connection with elevator buckets, is a U.S. registered trademark owned by Tapco Inc.



# EUROBUCKET™ ELEVATOR BUCKETS



All Other Dimensions Typical of Tapco Super EuroBuckets

## STYLE EUROBUCKET

SIZE (Nominal) Metric	SIZE (Nominal) Inches	Spacing on Belt (Min.) Inches	Depth C ± 1/8"	Polyethylene Capacity		Weight Pounds (Average)	Urethane Capacity		Weight Pounds (Average)	Nylon Capacity		Weight Pounds (Average)
				Z1 Tolerance ± 3%			Z1 Tolerance ± 3%			Z1 Tolerance ± 3%		
				Cu. In.	Cu. Ft.		Cu. In.	Cu. Ft.		Cu. In.	Cu. Ft.	
100-90	4 X 3-1/2	2-3/4	2-7/16	15.9	.0092	.24	16.5	.0095	.31	16.5	.0095	0.29
130-120	5 X 4-1/2	3-1/2	3	38.4	.0222	.44	39.9	.0231	.58	39.9	.0231	0.54
140-120	6 X 5	3-1/2	3	41.5	.0240	.46	43.2	.0250	.60	43.2	.0250	0.56
180-140	7 X 5-1/2	4	3-5/8	83.6	.0484	.81	86.9	.0503	1.07	86.9	.0503	0.99
200-140	8 X 5-1/2	4	3-5/8	93.4	.0540	.93	97.1	.0562	1.22	97.1	.0562	1.13
230-160	9 X 6-1/2	4-1/2	4-1/4	123.9	.0717	1.23	128.9	.0746	1.63	128.9	.0746	1.51
280-165	11 X 6-1/2	4-1/2	4-1/4	173.3	.1003	1.52	180.2	.1043	1.99	180.2	.1043	1.85
300-180	12 X 7	5-1/4	4-5/8	213.0	.1233	1.93	221.5	.1282	2.53	221.5	.1282	2.35
330-215	13 X 8-1/2	5-3/4	5-1/8	342.9	.1984	2.97	356.6	.2064	3.91	356.6	.2064	3.63
370-215	15 X 8-1/2	5-3/4	5-1/8	387.5	.2242	3.32	403.0	.2332	4.36	403.0	.2332	4.04

**IMPORTANT:** EuroBuckets are designed to replace Starco, EuroJet and other European manufactured elevator buckets. However, projection varies by manufacturer, and it is very important to check for clearance in the elevator before replacing any existing steel or nonmetallic buckets. Refer to pages 35 through 39 for actual bucket projection.

**NOTE ON STYLE:** For over fifteen years, Tapco has been providing low profile buckets to replace European style buckets. These buckets have been a modification of our full sized CC-HD style. While the modified buckets performed beyond expectations, Tapco realized there was still a need for a true European style bucket. In late 1999, we presented our first EuroBuckets to the industry. These buckets, produced from new molds, are interchangeable with European brands. Currently there are ten sizes in stock. Until all sizes are added to the EuroBucket line, we suggest using one of the CC-HD low profile buckets to meet your needs. The combination of low profile and EuroBuckets gives Tapco the widest range of nonmetallic European style buckets on the market. Please contact us with any questions about interchangeability.

## **AA Elevator Bucket** HIGH DENSITY POLYETHYLENE

**12  
SIZES  
STYLE AA**



**PRIME  
VIRGIN  
POLYETHYLENE**

**INDUSTRIAL STYLE FOR HANDLING:  
FOOD GRADE APPLICATIONS, SUGAR, SALT, COFFEE BEANS,  
CHEMICALS, MINERALS, WOOD CHIPS**

**FEATURES:  
LONG LASTING, TOUGH, LIGHT WEIGHT, NONSPARKING,  
NONCORROSIVE, THICK WALLS, UNIFORM DISCHARGE**

### **TECHNICAL INFORMATION:**

**STYLE:** AA.

**DESIGN:** Centrifugal discharge.

**MATERIAL:** High density linear polyethylene.

**METHOD OF MANUFACTURE:** Injection molded.

**COLOR:** White.

**TEMPERATURE RANGE:** -60° F to + 200° F. (-51° C to +93° C).

**FLAMMABILITY:** The high density polyethylene used in Tapco buckets is termed "slow burning". It has been tested under ASTM Test No. D635. It also meets the criteria for approval under the Motor Vehicle Safety Standard No. 302 and Underwriters' Laboratory Bulletin No. 94. Combustion in an excess of air results in harmless by-products (fumes) which are nontoxic.

**DRILLING:** No charge for standard belt or chain drillings when order totals 50 or more pieces of the same size. Contact Tapco for quotation on orders of less than 50 and/or special drill pattern requirements.

**VENTING:** Available on request. Contact Tapco for recommendations.

**USABLE CAPACITY:** Tapco recommends using 75% of gross, (100%) capacity.

**SPACING:** A common spacing would be nominal projection plus 4", however both closer and greater spacings may be used depending upon the application.

**INTERCHANGEABILITY:** Can be intermixed with existing metallic or nonmetallic buckets. Some care should be taken that the leg does not become too far out of balance. Bucket projection varies by manufacturer and material. Check elevator for proper clearances. Contact Tapco for recommendations.

**INSTALLATION:** Fanged elevator bolts and nylon insert lock nuts are recommended for pulleys 6" in diameter and over. No. 3 Eclipse slotted head elevator bolts are recommended for pulleys under 6" in diameter. **Flat steel washers must be placed inside the bucket under the nuts.** Check elevator for proper clearances.

**FDA STATUS:** Polyethylene used meets the requirements of the Food Additives Law and Regulation No. 177.1520.

**RECOMMENDATIONS:** AA white polyethylene buckets are ideal for use in applications requiring food grade components.

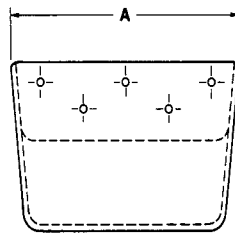
**LIMITATIONS:** Polyethylene buckets should not be used with the following: (1) Materials over 200°F/93°C. (2) Sharp edged material such as crushed glass or oyster shells. (3) Large dense materials such as gravel and ores.

**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion. Polyethylene buckets can be ignited and will burn from improper welding and cutting.

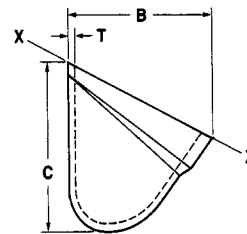
**IMPORTANT:** When elevating certain materials that harden or setup with moisture, a Tapco metallic digger bucket should replace every 10th polyethylene bucket. In some instances ductile iron AA style buckets (See page 43) will not have sufficient projection to protect the polyethylene bucket. It will be necessary to use a pad or spacer behind the digger bucket. Contact Tapco for recommendations.

**IN STOCK FOR IMMEDIATE SHIPPING  
AVAILABLE THROUGH INDUSTRIAL DISTRIBUTORS, CONTRACTORS, AND ORIGINAL EQUIPMENT MANUFACTURERS**

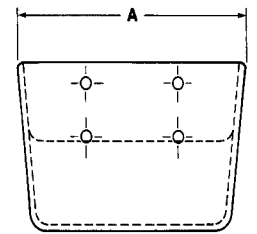
# HIGH DENSITY POLYETHYLENE ELEVATOR BUCKETS



Back View



End View



Back View

## STYLE AA BUCKETS

SIZE (Nominal) Millimeter	SIZE (Nominal) Inches	Dimensions-Actual (Inches) Tolerance A, B & C $\pm 1/4"$ T $\pm 1/32"$				Capacity ① Tolerance $\pm 3\%$				Approx. Weight (Pounds)
		Length A	Proj. B	Depth C	Thickness T	Gross X-X		* Usable		
						Cu. In.	Cu. Ft.	Cu. In.	Cu. Ft.	
120-70	4 X 2-3/4	4-1/4	3	3-1/8	3-16	14.7	.008	11.0	.006	.22
140-90	5 X 3-1/2	5-3/8	3-3/4	3-3/4	1/4	29.0	.017	21.8	.013	.37
160-120	6 X 4	6-3/8	4-1/4	4-1/2	1/4	48.6	.028	36.4	.021	.50
180-120	7 X 4-1/2	7-3/8	4-3/4	5	1/4	74.8	.043	56.1	.032	.70
200-140	8 X 5	8-3/8	5-1/4	5-1/2	1/4	101.0	.058	75.8	.044	1.00
260-160	10 X 6	10-1/2	6-1/2	6-5/8	1/4	191.0	.111	143.2	.083	1.54
300-180	12 X 7	12-1/2	7-5/8	7-3/4	3/8	307.5	.178	230.6	.133	2.36
350-180	14 X 7	14-1/2	7-5/8	7-3/4	3/8	370.8	.215	278.1	.161	2.70
350-215	14 X 8	14-1/2	8-7/8	8-3/4	1/2	475.8	.275	356.8	.206	3.76
400-215	16 X 8	16-1/2	8-7/8	8-3/4	1/2	554.5	.321	415.9	.241	4.30
450-215	18 X 8	18-1/2	8-7/8	8-3/4	1/2	629.1	.364	471.8	.273	4.84
450-260	18 X 10	18-1/2	10-3/4	10-3/4	1/2	963.1	.557	722.3	.418	7.14

① Tapco recommends using gross x .75, for usable capacity.

## **AA Elevator Bucket** **SUPER TOUGH NYLON**

**12  
SIZES  
STYLE AA**



**PRIME VIRGIN  
IMPACT MODIFIED  
NYLON**

**INDUSTRIAL STYLE FOR HANDLING:  
FOUNDRY SAND, SAND AND GRAVEL, COAL, FERTILIZER, CLAY, SALT, ETC.**

### **FEATURES:**

**OUTSTANDING IMPACT and ABRASION RESISTANCE, EXTRAORDINARILY TOUGH and MORE RIGID THAN POLYETHYLENE or URETHANE, BETTER HEAT RESISTANCE, NONSPARKING, NONCORROSIVE**

### **TECHNICAL INFORMATION:**

**STYLE:** AA.

**DESIGN:** Centrifugal discharge.

**MATERIAL:** Impact modified nylon.

**METHOD OF MANUFACTURE:** Injection molded.

**COLOR:** Gray

**TEMPERATURE RANGE:** -40° F to + 275° F. (-40° C to +135° C).

**FLAMMABILITY:** The impact modified nylon used in Tapco buckets is termed "slow burning". It has been tested under Underwriters' Laboratory Bulletin No. 94 HB. The primary toxic product of combustion is carbon monoxide.

**DRILLING:** No charge for standard belt or chain drillings when order totals 50 or more pieces of the same size. Contact Tapco for quotation on orders of less than 50 and/or special drill pattern requirements.

**VENTING:** Available on request. Contact Tapco for recommendations.

**USABLE CAPACITY:** Tapco recommends using 75% of gross, (100%) capacity.

**SPACING:** A common spacing would be nominal projection plus 4", however both closer and greater spacings may be used depending upon the application.

**INTERCHANGEABILITY:** Can be intermixed with existing metallic or nonmetallic buckets. Some care should be taken that the leg does not become too far out of balance. Bucket projection varies by manufacturer and material. Check elevator for proper clearances. Contact Tapco for recommendations.

**INSTALLATION:** Fanged elevator bolts and nylon insert lock nuts are recommended for pulleys 6" in diameter and over. No. 3 Eclipse slotted head elevator bolts are recommended for pulleys under 6" in diameter. **Flat steel washers must be placed inside the bucket under the nuts.** Check elevator for proper clearances.

**FDA STATUS:** Impact modified nylon does not meet requirements for FDA approval.

**RECOMMENDATIONS:** AA nylon buckets are ideal for use with foundry sand, gravel, coal, fertilizer, clay salt, and many other industrial materials.

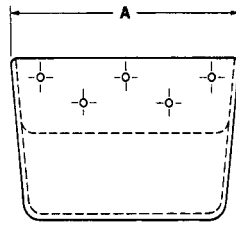
**LIMITATIONS:** Nylon buckets should not be used on the following: (1) Materials over 275° F/ 135° C, (2) Sharp edged materials such as crushed glass or oyster shells, (3) Some large dense materials such as stone and ores.

**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion. Tapco nylon buckets can be ignited and will burn from improper welding and cutting.

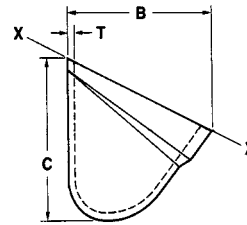
**IMPORTANT:** When elevating certain materials that harden or setup with moisture, a Tapco metallic digger bucket should replace every 10th nylon bucket. In some instances ductile iron AA style buckets (See page 43) will not have sufficient projection to protect the nylon bucket. It will be necessary to use a pad or spacer behind the digger bucket. Contact Tapco for recommendations.

**IN STOCK FOR IMMEDIATE SHIPPING  
AVAILABLE THROUGH INDUSTRIAL DISTRIBUTORS, CONTRACTORS, AND ORIGINAL EQUIPMENT MANUFACTURERS**

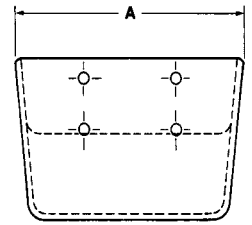
# SUPER TOUGH NYLON ELEVATOR BUCKETS



Back View



End View



Back View

## STYLE AA BUCKETS

SIZE (Nominal) Millimeter	SIZE (Nominal) Inches	Dimensions-Actual (Inches) Tolerance A, B & C $\pm 1/4"$ T $\pm 1/32"$				Capacity ① Tolerance $\pm 3\%$				Approx. Weight (Pounds)
		Length A	Proj. B	Depth C	Thickness T	Gross X-X		Usable		
						Cu. In.	Cu. Ft.	Cu. In.	Cu. Ft.	
120-70	4 X 2-3/4	4-1/4	3	3-1/8	3/16	15.3	.009	11.5	.007	0.24
140-90	5 X 3-1/2	5-3/8	3-3/4	3-3/4	1/4	30.2	.017	22.6	.013	0.44
160-120	6 X 4	6-3/8	4-1/4	4-1/2	1/4	50.5	.029	37.9	.022	0.60
180-120	7 X 4-1/2	7-3/8	4-3/4	5	1/4	77.8	.045	58.4	.034	0.83
200-140	8 X 5	8-3/8	5-1/4	5-1/2	1/4	105.0	.061	78.8	.046	1.16
260-160	10 X 6	10-1/2	6-1/2	6-5/8	1/4	198.5	.115	148.9	.086	1.72
300-180	12 X 7	12-1/2	7-5/8	7-3/4	3/8	319.6	.185	239.7	.139	2.69
350-180	14 X 7	14-1/2	7-5/8	7-3/4	3/8	385.4	.223	289.1	.167	3.05
350-215	14 X 8	14-1/2	8-7/8	8-3/4	1/2	494.6	.286	371.0	.215	4.30
400-215	16 X 8	16-1/2	8-7/8	8-3/4	1/2	576.4	.334	432.3	.251	4.89
450-215	18 X 8	18-1/2	8-7/8	8-3/4	1/2	653.9	.378	490.4	.284	5.46
450-260	18 X 10	18-1/2	10-3/4	10-3/4	1/2	1001.1	.579	750.8	.434	7.97

① Tapco recommends using gross x .75, for usable capacity.

## AA Elevator Bucket SEVERE DUTY URETHANE

12  
SIZES  
STYLE AA



PRIME VIRGIN  
THERMOPLASTIC  
URETHANE

**INDUSTRIAL STYLE FOR HANDLING:**  
PELLETIZED OR EXTRUDED FEEDS, SOYBEANS, FERTILIZERS, OYSTER SHELLS,  
SALT, SAND, CHEMICALS, and OTHER ABRASIVE PRODUCTS

**FEATURES:**  
EXTREME ABRASION RESISTANCE, TOUGH AND FLEXIBLE,  
UNIFORM DISCHARGE, NONSPARKING, NONCORROSIVE

### TECHNICAL INFORMATION:

**STYLE:** AA.

**DESIGN:** Centrifugal discharge.

**MATERIAL:** Thermoplastic urethane.

**METHOD OF MANUFACTURE:** Injection molded.

**COLOR:** Beige (Tan).

**TEMPERATURE RANGE:** -60°F to + 212°F/-51° C to + 100°C.

**FLAMMABILITY:** The urethane used in Tapco buckets, meets the criteria of the Underwriters' Laboratory Bulletin No. 94 HB. It has been tested under ASTM Test No. D635 and has a burn rate of 0.76"/min. it also meets approval under motor vehicle safety standard No. 302, with a burn rate of 0.0"/min.

**DRILLING:** No charge for standard belt or chain drillings when order totals 50 or more pieces of the same size. Contact Tapco for quotation on orders of less than 50 and/or special drill pattern requirements.

**VENTING:** Available on request. Contact Tapco for recommendations.

**USABLE CAPACITY:** Tapco recommends using 75% of gross, (100%) capacity.

**SPACING:** A common spacing would be nominal projection plus 4", however both closer and greater spacings may be used depending upon the application.

**INTERCHANGEABILITY:** Can be intermixed with existing metallic or nonmetallic buckets. Some care should be taken that the leg does not become too far out of balance. Bucket projection varies by manufacturer and material. Check elevator for proper clearances. Contact Tapco for recommendations.

**INSTALLATION:** Fanged elevator bolts and nylon insert lock nuts are recommended for pulleys 6" in diameter and over. No. 3 Eclipse slotted head elevator bolts are recommended for pulleys under 6" in diameter.

**Large flat steel (fender) washers must be placed inside the bucket under the nuts.** Check elevator for proper clearances.

**FDA STATUS:** Our standard urethane does not meet the requirements for FDA approval. FDA approved urethane is available, special order.

**RECOMMENDATIONS:** AA urethane buckets are ideal for use with foundry sand, gravel, coal, fertilizer, clay salt, and many other industrial materials. They are excellent for extremely high throughput elevators

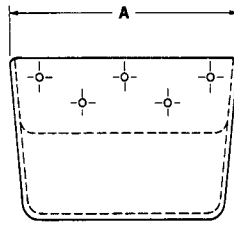
**LIMITATIONS:** Urethane buckets should not be used on the following:  
(1) Materials over 212°F/100°C. (2) Large dense materials such as gravel and ores over 3/8" in diameter. (3) Some sharp sluggish materials such as large glass cullet.

**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion. Urethane buckets can be ignited and will burn from improper welding and cutting.

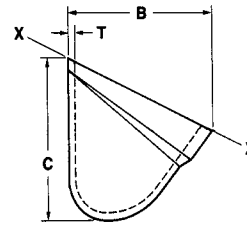
**IMPORTANT:** When elevating certain materials that harden or setup with moisture, a Tapco metallic digger bucket should replace every 10th urethane bucket. In some instances ductile iron AA style buckets (See page 43) will not have sufficient projection to protect the urethane bucket. It will be necessary to use a pad or spacer behind the digger bucket. Contact Tapco for recommendations.

IN STOCK FOR IMMEDIATE SHIPPING  
AVAILABLE THROUGH INDUSTRIAL DISTRIBUTORS, CONTRACTORS, AND ORIGINAL EQUIPMENT MANUFACTURERS

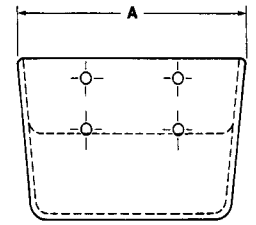
# SEVERE DUTY URETHANE ELEVATOR BUCKETS



Back View



End View



Back View

## STYLE AA BUCKETS

SIZE (Nominal) Millimeter	SIZE (Nominal) Inches	Dimensions-Actual (Inches) Tolerance A, B & C $\pm 1/4"$ T $\pm 1/32"$				Capacity ① Tolerance $\pm 3\%$				Approx. Weight (Pounds)
		Length A	Proj. B	Depth C	Thickness T	Gross X-X		Usable		
						Cu. In.	Cu. Ft.	Cu. In.	Cu. Ft.	
120-70	4 X 2-3/4	4-5/16	3	3-1/8	3/16	15.3	.009	11.5	.007	0.29
140-90	5 X 3-1/2	5-1/2	3-3/4	3-3/4	1/4	30.2	.017	22.6	.013	0.52
160-120	6 X 4	6-1/2	4-1/4	4-1/2	1/4	50.5	.029	37.9	.022	0.70
180-120	7 X 4-1/2	7-1/2	4-3/4	5	1/4	77.8	.045	58.4	.034	1.00
200-140	8 X 5	8-1/2	5-1/4	5-1/2	1/4	105.0	.061	78.8	.046	1.23
260-160	10 X 6	10-5/8	6-1/2	6-5/8	5/16	198.5	.115	148.9	.086	2.10
300-180	12 X 7	12-5/8	7-5/8	7-3/4	3/8	319.6	.185	239.7	.139	3.18
350-180	14 X 7	14-5/8	7-5/8	7-3/4	3/8	385.4	.223	289.1	.167	3.62
350-215	14 X 8	14-3/4	8-7/8	8-3/4	1/2	494.6	.286	371.0	.215	5.10
400-215	16 X 8	16-3/4	8-7/8	8-3/4	1/2	576.4	.334	432.3	.251	5.71
450-215	18 X 8	18-3/4	8-7/8	8-3/4	1/2	653.9	.378	490.4	.284	6.42
450-260	18 X 10	18-3/4	10-7/8	10-7/8	1/2	1001.1	.579	750.8	.434	9.41

① Tapco recommends using gross x .75, for usable capacity.

## **AA Elevator Bucket**

**DUCTILE IRON**

**22  
SIZES  
STYLE AA**



**CAST DUCTILE  
IRON**

**INDUSTRIAL STYLE FOR HANDLING:**  
**STONE, FOUNDRY SAND, SAND & GRAVEL, COAL, FERTILIZER, CLAY, SALT, ETC.**

### **FEATURES:**

**EXCELLENT WEAR, IMPACT AND CORROSION RESISTANCE, HIGH STRENGTH TO WEIGHT RATIO.**

### **TECHNICAL INFORMATION:**

**STYLE:** AA.

**DESIGN:** Centrifugal discharge.

**MATERIAL:** Ductile iron.

**METHOD OF MANUFACTURE:** Cast.

**COLOR:** Gray.

**TEMPERATURE RANGE:** -60° F to + 800° F. (-51° C to +426° C).

**DRILLING:** No charge for standard belt or chain drillings when order totals 50 or more pieces of the same size. Contact Tapco for quotation on orders of less than 50 and/or special drill pattern requirements.

**VENTING:** Available on request. Contact Tapco for recommendations.

**USABLE CAPACITY:** Tapco recommends using 75% of gross, (100%) capacity.

**SPACING:** A common spacing would be nominal projection plus 4", however both closer and greater spacings may be used depending upon the application.

**INTERCHANGEABILITY:** Can be intermixed with existing metallic or nonmetallic buckets. Some care should be taken that the leg does not become too far out of balance. Bucket projection varies by manufacturer and material. Check elevator for proper clearances. Contact Tapco for recommendations.

**INSTALLATION:** Fanged elevator bolts and nylon insert lock nuts are recommended for pulleys 6" in diameter and over. No. 3 Eclipse slotted head elevator bolts are recommended for pulleys under 6" in diameter. Check elevator for proper clearances.

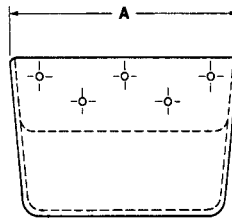
**RECOMMENDATIONS:** AA ductile iron buckets are ideal for use with foundry sand, and gravel, coal, fertilizer, clay, salt, and many other industrial materials.

**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion.

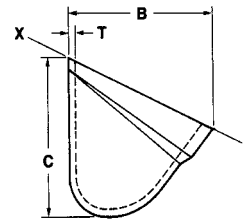
**IN STOCK FOR IMMEDIATE SHIPPING**  
**AVAILABLE THROUGH INDUSTRIAL DISTRIBUTORS, CONTRACTORS, AND ORIGINAL EQUIPMENT MANUFACTURERS**



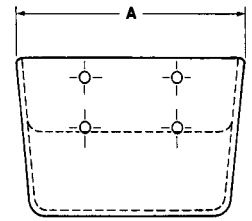
# DUCTILE IRON ELEVATOR BUCKETS



Back View



End View



Back View

## STYLE AA BUCKETS

SIZE (Nominal) Millimeter	SIZE (Nominal) Inches	Dimensions-Actual (Inches) Tolerance A, B & C $\pm 1/4"$ T $\pm 1/32"$				Capacity ① Tolerance $\pm 3\%$				Approx. Weight (Pounds)
		Length A	Proj. B	Depth C	Thickness T	Gross X-X		Usable		
						Cu. In.	Cu. Ft.	Cu. In.	Cu. Ft.	
120-70	4 X 2-3/4	4	2-3/4	3	5/32	15.3	.009	11.5	.007	1.5
140-90	5 X 3-1/2	5	3-1/2	3-3/4	11/64	30.2	.017	22.6	.013	2.4
160-120	6 X 4	6	4	4-1/4	3/16	50.5	.029	37.9	.022	3.2
180-120	7 X 4-1/2	7	4-1/2	4-3/4	3/16	77.8	.045	58.4	.034	3.9
200-140	8 X 5	8	5	5-1/2	3/16	105.0	.061	78.8	.046	6.8
300-140	12 X 5	12	5	5-1/2	13/64	166.9	.096	125.2	.072	8.7
370-140	15 X 5	15	5	5-1/2	7/32	209.9	.122	157.4	.092	11.6
480-140	19 X 5	19	5	5-1/2	7/32	276.4	.160	207.3	.120	15.3
230-160	9 X 6	9	6	6-1/4	13/64	159.9	.093	119.9	.070	8.9
260-160	10 X 6	10	6	6-1/4	13/64	198.5	.115	148.9	.086	10.3
280-160	11 X 6	11	6	6-1/4	7/32	221.8	.128	166.4	.096	10.9
300-160	12 X 6	12	6	6-1/4	7/32	233.1	.135	174.8	.101	11.3
300-180	12 X 7	12	7	7-1/4	1/4	319.6	.185	239.7	.139	12.5
◆ 300-180	12 X 7 HD	12	7	7-1/4	5/16	319.6	.185	239.7	.139	16.5
350-180	14 X 7	14	7	7-1/4	1/4	385.4	.223	289.1	.167	18.5
370-180	15 X 7	15	7	7-1/4	1/4	401.5	.232	301.1	.174	19.2
400-180	16 X 7	16	7	7-1/4	1/4	428.1	.248	321.1	.186	19.9
350-215	14 X 8	14	8	8-1/2	19/64	494.6	.286	371.0	.215	23.7
400-215	16 X 8	16	8	8-1/2	19/64	576.4	.334	432.3	.251	26.3
450-215	18 X 8	18	8	8-1/2	21/64	653.9	.378	490.4	.284	32.1
500-215	20 X 8	20	8	8-1/2	21/64	757.3	.438	568.0	.329	34.3
600-215	24 X 8	24	8	8-1/2	11/32	901.7	.522	676.3	.392	42.9
450-260	18 X 10	18	10	10-1/2	11/32	1001.1	.579	750.8	.434	43.6

◆ The HD bucket has an extra heavy duty front lip for severe applications.

① Tapco recommends using gross x .75, for usable capacity.

## DUCTILE IRON VS. OTHER METALS

Characteristics	Ductile Iron	Malleable Iron	Gray Iron	0.3% C Cast Steel
Wear Resistance	A	C	B	D
Impact Resistance	B	C	D	A
Corrosion Resistance	A	B	A	D
Strength/Weight	A	C	D	B
Modulus of Elasticity	A	B	C	A
Vibration Damping	B	B	A	D
Surface Hardenability	A	A	A	C
Castability	A	B	A	D

BEST **A B C D** WORST

OVERALL, DUCTILE IRON HAS SUPERIOR

- ELASTICITY
- IMPACT RESISTANCE
- CORROSION RESISTANCE
- STRENGTH TO WEIGHT RATIO
- ABRASION RESISTANCE
- BRINELL HARDNESS

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## **AA Elevator Bucket**

**ALUMINUM**

**22  
SIZES  
STYLE AA**



**CAST  
ALUMINUM**

**INDUSTRIAL STYLE FOR HANDLING:  
NONABRASIVE PRODUCTS.**

### **FEATURES:**

**LIGHT WEIGHT, CORROSION RESISTANT, HIGH TEMPERATURE RANGE, NONSPARKING.**

### **TECHNICAL INFORMATION:**

**STYLE:** AA.

**DESIGN:** Centrifugal discharge.

**MATERIAL:** Aluminum.

**METHOD OF MANUFACTURE:** Cast.

**COLOR:** Silver.

**TEMPERATURE RANGE:** -60° to + 400° F. (-51° C to +204° C).

**DRILLING:** No charge for standard belt or chain drillings when order totals 50 or more pieces of the same size. Contact Tapco for quotation on orders of less than 50 and/or special drill pattern requirements.

**VENTING:** Available on request. Contact Tapco for recommendations.

**USABLE CAPACITY:** Tapco recommends using 75% of gross, (100%) capacity

**SPACING:** A common spacing would be nominal projection plus 4", however both closer and greater spacings may be used depending upon the application.

**INTERCHANGEABILITY:** Can be intermixed with existing metallic or nonmetallic buckets. Some care should be taken that the leg does not become too far out of balance. Bucket projection varies by manufacturer and material. Check elevator for proper clearances. Contact Tapco for recommendations.

**INSTALLATION:** Fanged elevator bolts and nylon insert lock nuts are recommended for pulleys 6" in diameter and over. No. 3 Eclipse slotted head elevator bolts are recommended for pulleys under 6" in diameter. ***Flat steel washers must be placed inside the bucket under the nuts.*** Check elevator for proper clearances.

**FDA STATUS:** Aluminum used meets FDA requirements.

**RECOMMENDATIONS:** AA aluminum buckets are ideal for use in nonabrasive applications where a lightweight bucket is desirable.

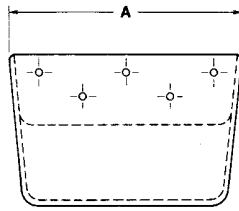
**LIMITATIONS:** Aluminum buckets should not be used with the following: (1) Materials over 400°F/204°C. (2) Sharp edged material such as crushed glass or oyster shells. (3) Large dense materials such as gravel and ores.

**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion.

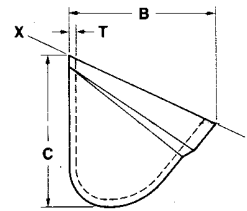
**IN STOCK FOR IMMEDIATE SHIPPING**

**AVAILABLE THROUGH INDUSTRIAL DISTRIBUTORS, CONTRACTORS, AND ORIGINAL EQUIPMENT MANUFACTURERS**

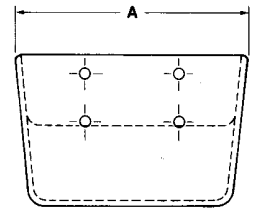
# ALUMINUM ELEVATOR BUCKETS



Back View



End View



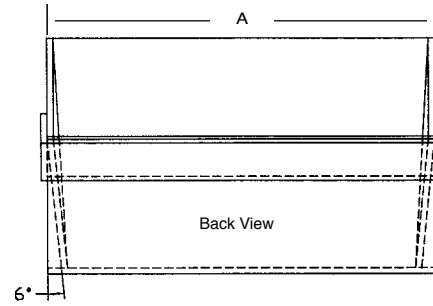
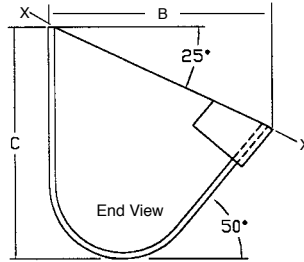
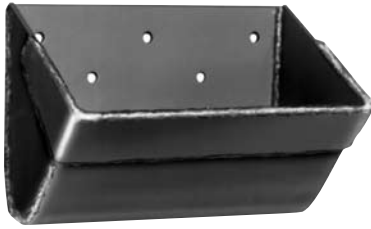
Back View

## STYLE AA BUCKETS

SIZE (Nominal) Millimeter	SIZE (Nominal) Inches	Dimensions-Actual (Inches) Tolerance A, B & C $\pm 1/4"$ T $\pm 1/32"$				Capacity <sup>①</sup> Tolerance $\pm 3\%$				Approx. Weight (Pounds)
		Length A	Proj. B	Depth C	Thickness T	Gross X-X		Usable		
						Cu. In.	Cu. Ft.	Cu. In.	Cu. Ft.	
120-70	4 X 2-3/4	4	2-3/4	3	5/32	15.3	.009	11.5	.007	0.6
140-90	5 X 3-1/2	5	3-1/2	3-3/4	11/64	30.2	.017	22.6	.013	0.9
160-120	6 X 4	6	4	4-1/4	3/16	50.5	.029	37.9	.022	1.2
180-120	7 X 4-1/2	7	4-1/2	4-3/4	3/16	77.8	.045	58.4	.034	1.4
200-140	8 X 5	8	5	5-1/2	3/16	105.0	.061	78.8	.046	2.6
300-140	12 X 5	12	5	5-1/2	13/64	166.9	.096	125.2	.072	3.3
370-140	15 X 5	15	5	5-1/2	7/32	209.9	.122	157.4	.092	4.4
480-140	19 X 5	19	5	5-1/2	7/32	276.4	.160	207.3	.120	5.8
230-160	9 X 6	9	6	6-1/4	13/64	159.9	.093	119.9	.070	3.4
260-160	10 X 6	10	6	6-1/4	13/64	198.5	.115	148.9	.086	3.9
280-160	11 X 6	11	6	6-1/4	7/32	221.8	.128	166.4	.096	4.1
300-160	12 X 6	12	6	6-1/4	7/32	233.1	.135	174.8	.101	4.3
300-180	12 X 7	12	7	7-1/4	1/4	319.6	.185	239.7	.139	6.3
350-180	14 X 7	14	7	7-1/4	1/4	385.4	.223	289.1	.167	7.0
260-180	15 X 7	15	7	7-1/4	1/4	401.5	.232	301.1	.174	7.3
280-180	16 X 7	16	7	7-1/4	1/4	428.1	.248	321.1	.186	7.6
350-215	14 X 8	14	8	8-1/2	19/64	494.6	.286	371.0	.215	9.0
400-215	16 X 8	16	8	8-1/2	19/64	576.4	.334	432.3	.251	10.0
450-215	18 X 8	18	8	8-1/2	21/64	653.9	.378	490.4	.284	12.2
500-215	20 X 8	20	8	8-1/2	21/64	757.3	.438	568.0	.329	13.0
600-215	24 X 8	24	8	8-1/2	11/32	901.7	.522	676.3	.392	16.3
450-260	18 X 10	18	10	10-1/2	11/32	1001.1	.579	750.8	.434	16.6

① Tapco recommends using gross x .75, for usable capacity.

# AA FABRICATED STEEL ELEVATOR BUCKETS



## STYLE AA BUCKETS

SIZE (Nominal) Millimeter	SIZE (Nominal) Inches	Dimensions-Actual (Inches) Tolerance A, B & C +1/4"			Weight, Pounds (Est.)				Capacity ① Tolerance ± 3%				Approx. Weight (Pounds)
		Length A	Proj. B	Depth C	12 Gauge Steel	10 Gauge Steel	3/16" Steel	1/4" Steel	Gross X-X		Usable		
									Cu. In.	Cu. Ft.	Cu. In.	Cu. Ft.	
120-70	4 X 2-3/4	4	2-3/4	3	1.2	1.5	2.0	----	15.3	.009	11.5	.007	1.5
140-90	5 X 3-1/2	5	3-1/2	3-3/4	1.8	2.3	3.2	----	30.2	.017	22.6	.013	2.4
160-120	6 X 4	6	4	4-1/4	2.4	3.0	4.0	5.3	50.5	.029	37.9	.022	3.2
180-120	7 X 4-1/2	7	4-1/2	4-3/4	3.2	4.1	5.4	7.1	77.8	.045	58.4	.034	3.9
200-140	8 X 5	8	5	5-1/2	4.2	5.3	7.1	9.4	105.0	.061	78.8	.046	6.8
300-140	12 X 5	12	5	5-1/2	----	----	----	----	166.9	.096	125.2	.072	8.7
370-140	15 X 5	15	5	5-1/2	----	----	----	----	209.9	.122	157.4	.092	11.6
480-140	19 X 5	19	5	5-1/2	----	----	----	----	276.4	.160	207.3	.120	15.3
230-160	9 X 6	9	6	6-1/4	----	----	----	----	159.9	.093	119.9	.070	8.9
260-160	10 X 6	10	6	6-1/4	5.7	7.4	9.8	13.0	198.5	.115	148.9	.086	10.3
280-160	11 X 6	11	6	6-1/4	6.2	7.9	10.5	13.9	221.8	.128	166.4	.096	10.9
300-160	12 X 6	12	6	6-1/4	6.6	8.5	11.3	15.0	233.1	.135	174.8	.101	11.3
300-180	12 X 7	12	7	7-1/4	8.1	10.4	13.9	18.5	319.6	.185	239.7	.139	12.5
350-180	14 X 7	14	7	7-1/4	----	11.7	15.7	20.9	385.4	.223	289.1	.167	18.5
370-180	15 X 7	15	7	7-1/4	----	12.4	16.6	22.0	401.5	.232	301.1	.174	19.2
400-180	16 X 7	16	7	7-1/4	----	13.0	17.5	23.2	428.1	.248	321.1	.186	19.9
350-215	14 X 8	14	8	8-1/2	----	13.9	18.6	24.8	494.6	.286	371.0	.215	23.7
400-215	16 X 8	16	8	8-1/2	----	15.4	20.6	27.5	576.4	.334	432.3	.251	26.3
450-215	18 X 8	18	8	8-1/2	----	16.9	22.7	30.2	653.9	.378	490.4	.284	32.1
500-215	20 X 8	20	8	8-1/2	----	18.4	24.7	32.9	757.3	.438	568.0	.329	34.3
600-215	24 X 8	24	8	8-1/2	----	21.4	28.8	38.3	901.7	.522	676.3	.392	42.9
450-260	18 X 10	18	10	10-1/2	----	21.5	28.9	38.4	1001.1	.579	750.8	.434	43.6

① Tapco recommends using gross x .75, for usable capacity.

## INDUSTRIAL STYLE FOR HANDLING:

STONE, FOUNDRY SAND, SAND & GRAVEL, COAL, FERTILIZER, CLAY, SALT, ETC.

## FEATURES:

THICK REINFORCED FRONT LIP DESIGNED TO AID IN LONGER BUCKET LIFE TO HANDLE ABRASIVE MATERIALS

## TECHNICAL INFORMATION:

**STYLE:** AA.

**DESIGN:** Slow speed centrifugal discharge.

**MATERIAL:** Carbon Steel, Stainless Steel, Aluminum.

**METHOD OF MANUFACTURE:** Fabricated.

**CONSTRUCTION:** The AA style bucket utilizes a 4-piece design consisting of two end plates, body, and wearlip with the ends continuously welded to the body. *Tapco reserves the right to change bucket construction at any time. The bucket will be produced after Tapco supplies a CAD drawing to be signed by customer.*

**CONSTRUCTION OPTIONS:** AR plate or hard bead welds.

**MATERIAL THICKNESS:** 12 ga., 10 ga., 7 ga. (3/16"), 1/4", 5/16", 3/8", and 1/2".

**DRILLING:** No charge for standard belt or chain drillings.

**VENTING:** Available on request, contact Tapco for recommendations.

**USABLE CAPACITY:** Tapco recommends using 75% of gross, (100%) capacity.

**SPACING:** Contact Tapco for recommendations.

**INTERCHANGEABILITY:** Can be intermixed with existing fabricated and non-metallic AA style buckets. If different weight buckets are mixed in, some care should be taken that the leg does not become too far out of balance. Check elevator for proper clearances. Contact Tapco for recommendations.

**INSTALLATION: On belt:** Fanged elevator bolts and nylon insert lock nuts are recommended for pulleys 6" in diameter and over. No. 3 Eclipse slotted head elevator bolts are recommended for pulleys under 6" in diameter. *Flat steel washers must be placed inside the bucket under the nuts.*

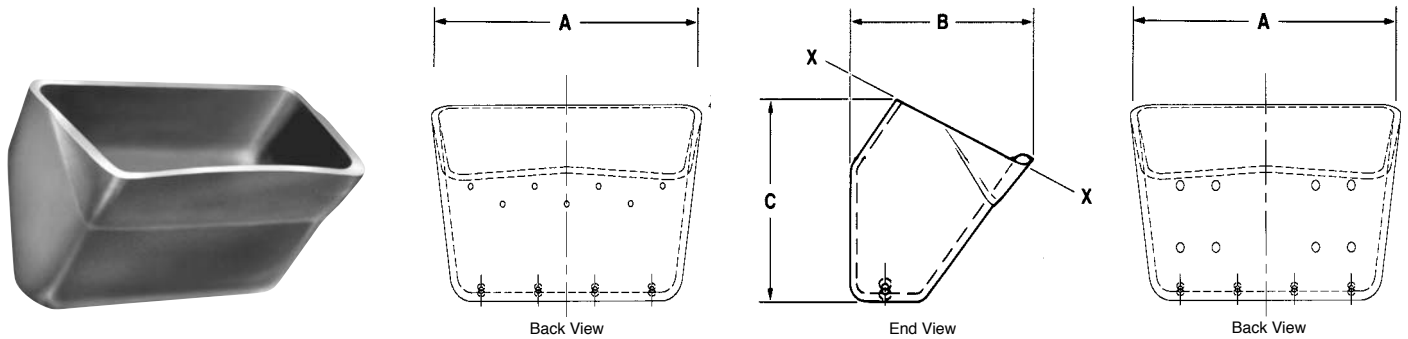
**On chain:** Use Grade 5 hex head bolts with hex nuts, flat washers, and lock washers. *Elevator bolts should not be used on chain attachments.*

**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion.

AVAILABLE THROUGH INDUSTRIAL DISTRIBUTORS, CONTRACTORS, AND ORIGINAL EQUIPMENT MANUFACTURERS

# AC CAST ELEVATOR BUCKETS

## DUCTILE IRON AND URETHANE



### STYLE AC BUCKETS

SIZE (Nominal) Millimeter	SIZE (Nominal) Inches	Dimensions-Actual (Inches) Tolerance A, B & C ±1/4" T ±1/32"			Capacity ① Tolerance ± 3%				Iron Weight (Pounds)	Urethane Weight (Pounds)
		Length A	Proj. B	Depth C	Gross X-X		Usable			
					Cu. In.	Cu. Ft.	Cu. In.	Cu. Ft.		
300-215	12 X 8	12	8	8-1/2	449.3	.260	337.0	.195	25	6.2
400-215	16 X 8	16	8	8-1/2	639.4	.370	479.6	.278	35	7.7
450-260	18 X 10	18	10	10-1/2	1088.6	.630	816.5	.473	52	10.3
610-260	24 X 10	24	10	10-1/2	1520.6	.880	1140.5	.660	72	13.7

① Tapco recommends using gross x .75, for usable capacity.

### DUCTILE IRON TECHNICAL INFORMATION:

**STYLE:** AC.

**DESIGN:** Centrifugal discharge.

**MATERIAL:** Ductile iron.

**METHOD OF MANUFACTURE:** Cast.

**COLOR:** Gray.

**TEMPERATURE RANGE:** -60° F to + 800° F. (-51° C to +426° C).

**DRILLING:** No charge for standard belt or chain drillings when order totals 50 or more pieces of the same size. Contact Tapco for quotation on orders of less than 50 and/or special drill pattern requirements.

**VENTING:** Standard with four 9/32" diameter holes.

**USABLE CAPACITY:** Tapco recommends using 75% of gross, (100%) capacity.

**SPACING:** A common minimum spacing would be nominal projection plus 4", however both closer and greater spacings may be used depending upon the application.

**RECOMMENDATIONS:** AC ductile iron buckets are ideal for use with foundry sand, gravel, coal, fertilizer, clay, salt, and many other industrial materials.

**INTERCHANGEABILITY:** Can be intermixed with existing cast iron, fabricated steel, or nonmetallic buckets. Some care should be taken that the leg does not become too far out of balance. Bucket projection varies by manufacturer and material. Check elevator for proper clearances. Contact Tapco for recommendations.

**INSTALLATION: On belt:** Fanged elevator bolts and nylon insert lock nuts are recommended. **Flat steel washers must be placed inside the bucket under the nuts.**

**On chain:** Use Grade 5 hex head bolts with hex nuts, flat washers, and lock washers. **Elevator bolts should not be used on chain attachments.**

**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion.

### GENERAL NOTES FOR OTHER MATERIALS:

#### TEMPERATURE RANGE FOR TAPCO AA AND AC BUCKETS:

Urethane buckets will withstand temperatures from -60°F to +212°F/ -51°C to + 100°C.

Polyethylene buckets will withstand temperatures from -60°F to +200°F/ -51°C to + 93°C.

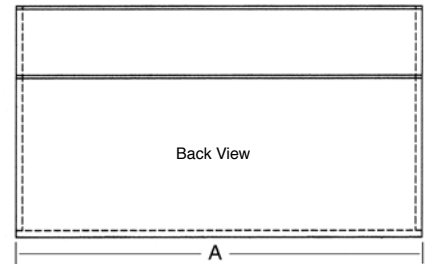
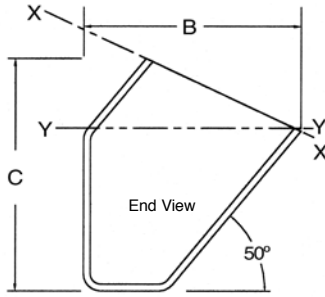
Nylon buckets will withstand temperatures from -40°F to +275°F/ -40°C to + 135°C.

Aluminum buckets will withstand temperatures from -60°F to +400°F/ -51°C to + 204°C.

**IMPORTANT:** When elevating certain materials that harden or setup with moisture, a Tapco metallic digger bucket should replace every 10th nonmetallic bucket. In some instances metallic buckets will not have sufficient projection to protect the nonmetallic bucket. It will be necessary to use a pad or spacer behind the digger bucket. Contact Tapco for recommendations.



# AC FABRICATED STEEL ELEVATOR BUCKETS



## STYLE AC BUCKETS

SIZE (Nominal) Millimeter	SIZE (Nominal) Inches	Dimensions-Actual (Inches) Tolerance A, B & C ±1/4"			Weight, Pounds (Est.)		Capacity ① Tolerance ± 3%	
		Length A	Proj. B	Depth C	3/16" Steel	1/4" Steel	Gross X-X Cu. Ft.	Y-Y Cu. Ft.
300 X 200	<b>12 X 8</b>	12	8	8-1/2	18.2	24.3	.30	.23
350 X 200	<b>14 X 8</b>	14	8	8-1/2	20.3	27.0	.36	.27
400 X 200	<b>16 X 8</b>	16	8	8-1/2	22.5	30.0	.41	.31
450 X 260	<b>18 X 10</b>	18	10	10-1/2	31.2	39.0	.69	.49
500 X 260	<b>20 X 10</b>	20	10	10-1/2	33.7	42.1	.77	.54
600 X 260	<b>24 X 10</b>	24	10	10-1/2	39.7	52.7	.92	.65
670 X 300	<b>27 X 12</b>	27	12	12-1/2	53.8	71.5	1.47	1.07

① Tapco recommends using gross x .75, for usable capacity.

## INDUSTRIAL STYLE FOR HANDLING:

STONE, FOUNDRY SAND, SAND & GRAVEL, COAL, FERTILIZER, CLAY, SALT, ETC.

## FEATURES:

THE HIGH FRONT INCREASES CAPACITY,  
WHILE HOODED BACK PERMITS CLOSER BUCKET SPACING ON BELT OR CHAIN

## TECHNICAL INFORMATION:

**STYLE:** AC.

**DESIGN:** Slow speed centrifugal discharge.

**MATERIAL:** Carbon Steel, Stainless Steel, Aluminum.

**METHOD OF MANUFACTURE:** Fabricated.

**CONSTRUCTION:** The AC style bucket utilizes a 3-piece design consisting of two end plates and a body. **Tapco reserves the right to change bucket construction at any time. The bucket will be produced after Tapco supplies a CAD drawing to be signed by customer.**

**CONSTRUCTION OPTIONS:** AR plate, wear lips, or hard bead welds.

**MATERIAL THICKNESS:** 7 ga. (3/16"), 1/4", 5/16", 3/8", and 1/2".

**DRILLING:** No charge for standard belt or chain drillings.

**VENTING:** Available on request, contact Tapco for recommendations.

**USABLE CAPACITY:** Tapco recommends using 75% of gross, (100%) capacity.

**SPACING:** Contact Tapco for recommendations.

**INTERCHANGEABILITY:** Can be intermixed with existing fabricated AC style buckets. If different weight buckets are mixed in, some care should be taken that the leg does not become too far out of balance. Check elevator for proper clearances. Contact Tapco for recommendations.

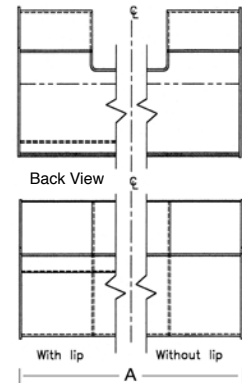
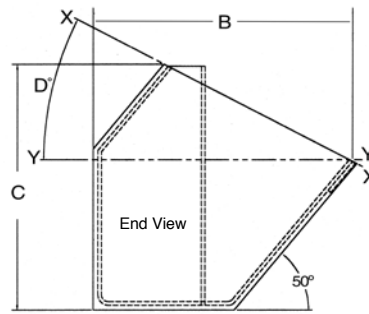
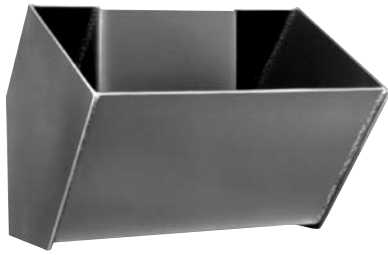
**INSTALLATION: On belt:** Fanged elevator bolts and nylon insert lock nuts are recommended. **Flat steel washers must be placed inside the bucket under the nuts.**

**On chain:** Use Grade 5 hex head bolts with hex nuts, flat washers, and lock washers. **Elevator bolts should not be used on chain attachments.**

**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion.

AVAILABLE THROUGH INDUSTRIAL DISTRIBUTORS, CONTRACTORS, AND ORIGINAL EQUIPMENT MANUFACTURERS

# ACS FABRICATED STEEL ELEVATOR BUCKETS



## STYLE ACS BUCKETS

SIZE (Nominal) Millimeter	SIZE (Nominal) Inches	Dimensions-Actual (Inches) Tolerance A, B & C ±1/4"				Weight, Pounds (Est.)			Capacity ① Tolerance ± 3%	
		Length A	Proj. B	Depth C	Degree °D	Steel (3/16")		Aluminum (3/16")	Gross X-X Cu. Ft.	Y-Y Cu. Ft.
						With Lip	w/O Lip			
350 X 300 X 280	14 X 12 X 11	14	12	11-3/8	26	36	32	15.3	.53	.37
400 X 300 X 280	16 X 12 X 11	16	12	11-3/8	26	39	35	17.2	.62	.44
450 X 300 X 280	18 X 12 X 11	18	12	11-3/8	26	42	37	19.0	.71	.51
525 X 350 X 290	21 X 14 X 13	21	14	13-3/8	28	56	51	25.3	1.08	.78
600 X 350 X 290	24 X 14 X 13	24	14	13-3/8	28	62	56	27.3	1.28	.93
670 X 370 X 290	27 X 15 X 13	27	15	13-3/8	21	72	65	32.3	1.62	1.29
740 X 370 X 290	30 X 15 X 13	30	15	13-3/8	21	84	77	37.3	1.84	1.47

① Tapco recommends using gross x .75, for usable capacity.

## INDUSTRIAL STYLE FOR HANDLING:

STONE, FOUNDRY SAND, SAND & GRAVEL, COAL, FERTILIZER, CLAY, SALT, ETC.

## FEATURES:

THE HIGH FRONT AND THE SADDLEBAG OR WRAP-AROUND FEATURES INCREASES CAPACITY, WHILE THE HOODED BACK PERMITS CLOSER BUCKET SPACING ON CHAIN.

## TECHNICAL INFORMATION:

**STYLE:** ACS.

**DESIGN:** Slow speed centrifugal discharge.

**MATERIAL:** Carbon Steel, Stainless Steel, Aluminum.

**METHOD OF MANUFACTURE:** Fabricated.

**CONSTRUCTION:** The ACS style bucket utilizes a 3-piece design consisting of two end plates, and body. **Tapco reserves the right to change bucket construction at any time. The bucket will be produced after Tapco supplies a CAD drawing to be signed by customer.**

**CONSTRUCTION OPTIONS:** AR plate, wear lips, hard bead welds, or bearing plates

**MATERIAL THICKNESS:** 7 ga. (3/16"), 1/4", 5/16", 3/8", and 1/2".

**DRILLING:** No charge for standard chain drillings.

**VENTING:** Available on request, contact Tapco for recommendations.

**USABLE CAPACITY:** Tapco recommends using 75% of gross, (100%) capacity.

**SPACING:** Contact Tapco for recommendations.

**INTERCHANGEABILITY:** Can be intermixed with existing fabricated ACS style buckets. If different weight buckets are mixed in, some care should be taken that the leg does not become too far out of balance. Check elevator for proper clearances. Contact Tapco for recommendations.

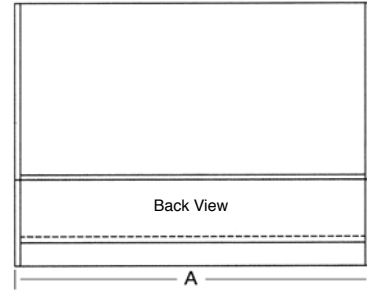
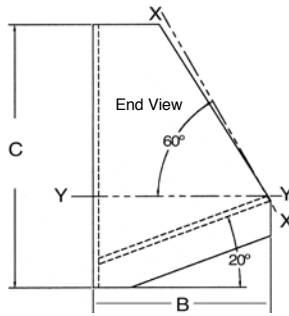
**INSTALLATION:** Use Grade 5 hex head bolts with hex nuts, flat washers, and lock washers. **Elevator bolts should not be used on chain attachments.**

**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion.

AVAILABLE THROUGH INDUSTRIAL DISTRIBUTORS, CONTRACTORS, AND ORIGINAL EQUIPMENT MANUFACTURERS



# LF FABRICATED STEEL ELEVATOR BUCKETS



## STYLE LF BUCKETS

SIZE (Nominal) Millimeter	SIZE (Nominal) Inches	Dimensions-Actual (Inches) Tolerance A, B & C ±1/4"			Weight, Pounds (Est.)				Capacity ① Tolerance ± 3%	
		Length A	Proj. B	Depth C	12 Gauge Steel	10 Gauge Steel	3/16" Steel	1/4" Steel	Gross X-X Cu. Ft.	Y-Y Cu. Ft.
260 X 160 X 230	<b>10 X 6 X 9</b>	10	6	9-1/4	6.8	8.8	12.1	-	.17	.03
300 X 160 X 230	<b>12 X 6 X 9</b>	12	6	9-1/4	7.8	10.0	13.8	-	.20	.04
260 X 180 X 280	<b>10 X 7 X 11</b>	10	7	11-5/8	8.5	10.8	15.1	-	.24	.05
300 X 180 X 280	<b>12 X 7 X 11</b>	12	7	11-5/8	9.6	12.3	17.1	22.8	.30	.06
350 X 180 X 280	<b>14 X 7 X 11</b>	14	7	11-5/8	10.7	13.7	19.1	25.5	.34	.07
300 X 200 X 280	<b>12 X 8 X 11</b>	12	8	11-5/8	11.2	14.4	20.1	26.8	.35	.08
400 X 200 X 280	<b>16 X 8 X 11</b>	16	8	11-5/8	13.6	17.4	24.3	32.4	.46	.10
500 X 200 X 280	<b>20 X 8 X 11</b>	20	8	11-5/8	15.9	20.5	28.5	38.0	.57	.13
450 X 260 X 370	<b>18 X 10 X 15</b>	18	10	15	-	25.4	35.0	46.5	.94	.18
400 X 300 X 425	<b>16 X 12 X 17</b>	16	12	17-5/8	-	29.3	40.7	53.6	1.09	.23
500 X 300 X 425	<b>20 X 12 X 17</b>	20	12	17-5/8	-	33.9	47.1	62.0	1.36	.29
600 X 300 X 425	<b>24 X 12 X 17</b>	24	12	17-5/8	-	38.5	53.5	70.5	1.64	.35

① Tapco recommends using gross x .75, for usable capacity.

## INDUSTRIAL STYLE FOR HANDLING:

STONE, FOUNDRY SAND, SAND & GRAVEL, COAL, FERTILIZER, CLAY, SALT, ETC.

## FEATURES:

HAS A LOW FRONT DESIGNED FOR INCLINED BUCKET ELEVATORS TO HANDLE FINELY PULVERIZED OR WET MATERIALS.

## TECHNICAL INFORMATION:

**STYLE:** LF (Low Front).

**DESIGN:** Slow speed continuous discharge.

**MATERIAL:** Carbon Steel, Stainless Steel, Aluminum.

**METHOD OF MANUFACTURE:** Fabricated.

**CONSTRUCTION:** The LF style bucket utilizes a 2-piece design consisting of a pressed formed body and a front plate. Please note the front plate is continuously welded to back and sides. **Tapco reserves the right to change bucket construction at any time. The bucket will be produced after Tapco supplies a CAD drawing to be signed by customer.**

**CONSTRUCTION OPTIONS:** AR plate, wear lips, or hard bead welds.

**MATERIAL THICKNESS:** 12 ga., 10 ga., 7 ga. (3/16"), 1/4", 5/16", 3/8", and 1/2".

**DRILLING:** No charge for standard belt or chain drillings.

**VENTING:** Available on request, contact Tapco for recommendations.

**USABLE CAPACITY:** Tapco recommends using 75% of gross, (100%) capacity.

**SPACING:** Contact Tapco for recommendations.

**INTERCHANGEABILITY:** Can be intermixed with existing fabricated LF style buckets. If different weight buckets are mixed in, some care should be taken that the leg does not become too far out of balance. Check elevator for proper clearances. Contact Tapco for recommendations.

**INSTALLATION: On belt:** Fanged elevator bolts and nylon insert lock nuts are recommended. **Flat steel washers must be placed inside the bucket under the nuts.**

**On chain:** Use Grade 5 hex head bolts with hex nuts, flat washers, and lock washers. **Elevator bolts should not be used on chain attachments.**

**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion.

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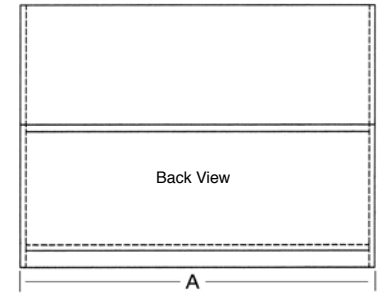
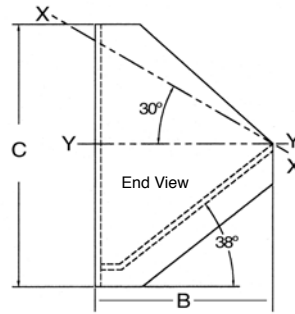
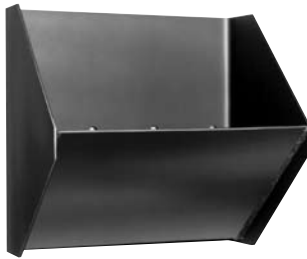


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# MF FABRICATED STEEL ELEVATOR BUCKETS



## STYLE MF BUCKETS

SIZE (Nominal) Millimeter	SIZE (Nominal) Inches	Dimensions-Actual (Inches) Tolerance A, B & C ±1/4"			Weight, Pounds (Est.)				Capacity ① Tolerance ± 3%	
		Length A	Proj. B	Depth C	12 Gauge Steel	10 Gauge Steel	3/16" Steel	1/4" Steel	Gross X-X Cu. Ft.	Y-Y Cu. Ft.
200 X 125 X 180	8 X 5 X 7	8	5	7-3/4	5.1	6.3	8.7	-	.07	.04
260 X 125 X 180	10 X 5 X 7	10	5	7-3/4	5.9	7.4	10.2	-	.09	.05
230 X 150 X 230	9 X 6 X 9	9	6	9-1/4	6.7	8.6	11.9	-	.12	.06
260 X 150 X 230	10 X 6 X 9	10	6	9-1/4	7.2	9.2	12.7	-	.13	.07
280 X 150 X 230	11 X 6 X 9	11	6	9-1/4	7.7	9.9	13.6	18.1	.14	.08
300 X 150 X 230	12 X 6 X 9	12	6	9-1/4	8.1	10.5	14.5	19.3	.15	.09
260 X 180 X 280	10 X 7 X 11	10	7	11-5/8	9.3	11.9	16.5	18.1	.18	.10
300 X 180 X 280	12 X 7 X 11	12	7	11-5/8	10.4	13.4	18.6	24.8	.22	.12
355 X 180 X 280	14 X 7 X 11	14	7	11-5/8	11.6	14.9	20.7	27.6	.25	.14
260 X 200 X 280	10 X 8 X 11	10	8	11-5/8	9.9	12.8	17.8	23.2	.24	.14
300 X 200 X 280	12 X 8 X 11	12	8	11-5/8	11.2	14.4	20.0	26.1	.28	.16
355 X 200 X 280	14 X 8 X 11	14	8	11-5/8	12.4	16.0	22.2	29.1	.32	.19
405 X 200 X 280	16 X 8 X 11	16	8	11-5/8	13.7	17.6	24.5	32.0	.38	.22
450 X 200 X 280	18 X 8 X 11	18	8	11-5/8	14.9	19.2	26.7	35.0	.42	.25
500 X 200 X 280	20 X 8 X 11	20	8	11-5/8	16.1	20.8	29.0	38.0	.47	.27
450 X 260 X 370	18 X 10 X 15	18	10	15	-	25.9	36.1	47.3	.66	.38
610 X 260 X 280	24 X 10 X 11	24	10	11-5/8	-	27.4	38.2	50.0	.85	.51
405 X 300 X 425	16 X 12 X 17	16	12	17-5/8	-	29.9	40.6	54.8	.85	.49
500 X 300 X 425	20 X 12 X 17	20	12	17-5/8	-	34.8	48.5	63.9	1.08	.62
610 X 300 X 425	24 X 12 X 17	24	12	17-5/8	-	39.8	55.4	73.1	1.30	.74

① Tapco recommends using gross x .75, for usable capacity.

### INDUSTRIAL STYLE FOR HANDLING:

STONE, FOUNDRY SAND, SAND & GRAVEL, COAL, FERTILIZER, CLAY, SALT, ETC.

### FEATURES:

HAS A MEDIUM FRONT DESIGNED FOR HANDLING A VARIETY OF MATERIALS.

### TECHNICAL INFORMATION:

**STYLE:** MF (Medium Front).

**DESIGN:** Slow speed continuous discharge.

**MATERIAL:** Carbon Steel, Stainless Steel, Aluminum.

**METHOD OF MANUFACTURE:** Fabricated.

**CONSTRUCTION:** The MF style bucket utilizes a 2-piece design consisting of a pressed formed body and a front plate. Please note the front plate is continuously welded to back and sides. **Tapco reserves the right to change bucket construction at any time. The bucket will be produced after Tapco supplies a CAD drawing to be signed by customer.**

**CONSTRUCTION OPTIONS:** AR plate, wear lips, or hard bead welds.

**MATERIAL THICKNESS:** 12 ga., 10 ga., 7 ga. (3/16"), 1/4", 5/16", 3/8", and 1/2".

**DRILLING:** No charge for standard belt or chain drillings.

**VENTING:** Available on request, contact Tapco for recommendations.

**USABLE CAPACITY:** Tapco recommends using 75% of gross, (100%) capacity.

**SPACING:** Contact Tapco for recommendations.

**INTERCHANGEABILITY:** Can be intermixed with existing fabricated and nonmetallic MF style buckets. If different weight buckets are mixed in, some care should be taken that the leg does not become too far out of balance. Check elevator for proper clearances. Contact Tapco for recommendations.

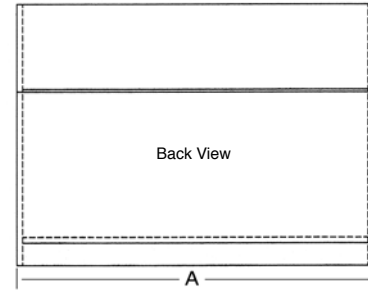
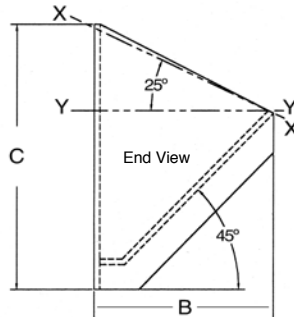
**INSTALLATION: On belt:** Fanged elevator bolts and nylon insert lock nuts are recommended. **Flat steel washers must be placed inside the bucket under the nuts.**

**On chain:** Use Grade 5 hex head bolts with hex nuts, flat washers, and lock washers. **Elevator bolts should not be used on chain attachments.**

**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion.

AVAILABLE THROUGH INDUSTRIAL DISTRIBUTORS, CONTRACTORS, AND ORIGINAL EQUIPMENT MANUFACTURERS

# HF FABRICATED STEEL ELEVATOR BUCKETS



## STYLE HF BUCKETS

SIZE (Nominal) Millimeter	SIZE (Nominal) Inches	Dimensions-Actual (Inches) Tolerance A, B & C $\pm 1/4"$			Weight, Pounds (Est.)					Capacity ① Tolerance $\pm 3\%$	
		Length A	Proj. B	Depth C	14 Gauge Steel	12 Gauge Steel	10 Gauge Steel	3/16" Steel	1/4" Steel	Gross X-X Cu. Ft.	Y-Y Cu. Ft.
200 X 140 X 180	8 X 5 X 7	8	5	7-3/4	3.5	4.9	6.2	8.5	----	.08	.05
260 X 140 X 180	10 X 5 X 7	10	5	7-3/4	4.1	5.7	7.3	10.0	----	.10	.06
260 X 160 X 230	10 X 6 X 9	10	6	9-1/4	----	7.2	9.1	12.6	----	.14	.10
300 X 160 X 230	12 X 6 X 9	12	6	9-1/4	----	8.3	10.4	14.4	----	.18	.12
260 X 180 X 280	10 X 7 X 11	10	7	11-5/8	----	9.1	11.6	16.0	20.9	.19	.13
300 X 180 X 280	12 X 7 X 11	12	7	11-5/8	----	10.3	13.2	18.2	23.9	.24	.16
350 X 180 X 280	14 X 7 X 11	14	7	11-5/8	----	11.5	14.8	20.4	26.7	.28	.18
300 X 200 X 280	12 X 8 X 11	12	8	11-5/8	----	11.3	14.3	20.0	26.0	.30	.20
350 X 200 X 280	14 X 8 X 11	14	8	11-5/8	----	12.6	16.0	22.4	28.1	.35	.24
400 X 200 X 280	16 X 8 X 11	16	8	11-5/8	----	13.9	17.7	24.7	32.2	.40	.28
450 X 260 X 370	18 X 10 X 15	18	10	15	----	----	26.2	36.1	47.7	.72	.48
400 X 300 X 425	16 X 12 X 17	16	12	17-5/8	----	----	30.3	41.9	55.0	.90	.64
500 X 300 X 425	20 X 12 X 17	20	12	17-5/8	----	----	35.1	49.1	64.6	1.15	.80
600 X 300 X 425	24 X 12 X 17	24	12	17-5/8	----	----	40.5	56.3	74.3	1.34	.96

① Tapco recommends using gross x .75, for usable capacity.

## INDUSTRIAL DUTY FOR HANDLING:

STONE, FOUNDRY SAND, SAND & GRAVEL, COAL, FERTILIZER, CLAY, SALT, ETC.

## FEATURES:

HAS A HIGH FRONT FOR INCREASED CAPACITY AND DESIGN WHICH ALLOWS FOR GENTLE HANDLING OF PRODUCT

## TECHNICAL INFORMATION:

**STYLE:** HF (High Front).

**DESIGN:** Slow speed continuous discharge.

**MATERIAL:** Carbon Steel, Stainless Steel, Aluminum.

**METHOD OF MANUFACTURE:** Fabricated.

**CONSTRUCTION:** The HF style bucket utilizes a 2-piece design consisting of a pressed formed body and a front plate. Please note the front plate is continuously welded to back and sides. **Tapco reserves the right to change bucket construction at any time. The bucket will be produced after Tapco supplies a CAD drawing to be signed by customer.**

**CONSTRUCTION OPTIONS:** AR plate, wear lips, or hard bead welds.

**MATERIAL THICKNESS:** 14 ga., 12 ga., 10 ga., 7 ga. (3/16"), 1/4", 5/16", 3/8", and 1/2".

**DRILLING:** No charge for standard belt or chain drillings.

**VENTING:** Available on request, contact Tapco for recommendations.

**USABLE CAPACITY:** Tapco recommends using 75% of gross, (100%) capacity.

**SPACING:** Contact Tapco for recommendations.

**INTERCHANGEABILITY:** Can be intermixed with existing fabricated HF style buckets. If different weight buckets are mixed in, some care should be taken that the leg does not become too far out of balance. Check elevator for proper clearances. Contact Tapco for recommendations.

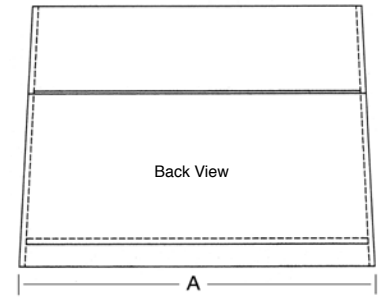
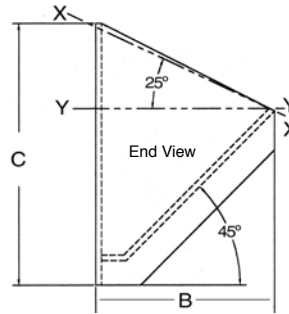
**INSTALLATION: On belt:** Fanged elevator bolts and nylon insert lock nuts are recommended. **Flat steel washers must be placed inside the bucket under the nuts.**

**On chain:** Use Grade 5 hex head bolts with hex nuts, flat washers, and lock washers. **Elevator bolts should not be used on chain attachments.**

**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion.

AVAILABLE THROUGH INDUSTRIAL DISTRIBUTORS, CONTRACTORS, AND ORIGINAL EQUIPMENT MANUFACTURERS

# HFO FABRICATED STEEL ELEVATOR BUCKETS



## STYLE HFO BUCKETS

SIZE (Nominal) Millimeter	SIZE (Nominal) Inches	Dimensions-Actual (Inches) Tolerance A, B & C ±1/4"			Weight, Pounds (Est.)					Capacity ① Tolerance ± 3%	
		Length A	Proj. B	Depth C	14 Gauge Steel	12 Gauge Steel	10 Gauge Steel	3/16" Steel	1/4" Steel	Gross X-X Cu. Ft.	Y-Y Cu. Ft.
200 X 140 X 200	8 X 5 X 8	8	5	8-1/2	3.7	5.1	6.5	8.9	----	.09	.06
260 X 140 X 200	10 X 5 X 8	10	5	8-1/2	4.3	5.9	7.6	10.5	----	.11	.08
260 X 160 X 260	10 X 6 X 10	10	6	10	----	7.5	9.5	13.1	----	.16	.11
300 X 160 X 260	12 X 6 X 10	12	6	10	----	8.6	10.8	15.0	----	.19	.13
260 X 180 X 300	10 X 7 X 12	10	7	12-1/2	----	9.6	12.3	16.7	----	.23	.15
300 X 180 X 300	12 X 7 X 12	12	7	12-1/2	----	10.8	14.0	19.0	----	.28	.18
350 X 180 X 300	14 X 7 X 12	14	7	12-1/2	----	12.1	15.7	21.3	----	.33	.22
300 X 200 X 300	12 X 8 X 12	12	8	12-1/2	----	11.8	15.0	20.5	27.1	.32	.20
350 X 200 X 300	14 X 8 X 12	14	8	12-1/2	----	13.1	16.8	22.9	30.4	.39	.25
400 X 200 X 300	16 X 8 X 12	16	8	12-1/2	----	14.5	18.6	25.2	33.6	.42	.26
400 X 300 X 450	16 X 12 X 18	16	12	18-5/8	----	----	31.1	43.0	56.8	.96	.60
500 X 300 X 450	20 X 12 X 18	20	12	18-5/8	----	----	36.4	50.4	66.6	1.20	.76
600 X 300 X 450	24 X 12 X 18	24	12	18-5/8	----	----	41.7	57.8	76.4	1.44	.90

① Tapco recommends using gross x .75, for usable capacity.

## INDUSTRIAL STYLE FOR HANDLING:

STONE, FOUNDRY SAND, SAND & GRAVEL, COAL, FERTILIZER, CLAY, SALT, ETC.

## FEATURES:

THE HFO BUCKET HAS THE SAME HIGH FRONT AS THE HF BUCKET, BUT IN ADDITION, ARE OVERLAPPING TO PREVENT LEAKAGE BETWEEN BUCKETS, AND IS A DESIGN WHICH ALLOWS FOR GENTLE HANDLING OF PRODUCT.

## TECHNICAL INFORMATION:

**STYLE:** HFO (High Front Overlapping).

**DESIGN:** Slow speed continuous discharge.

**MATERIAL:** Carbon Steel, Stainless Steel, Aluminum.

**METHOD OF MANUFACTURE:** Fabricated.

**CONSTRUCTION:** The HFO style bucket utilizes a 2-piece design consisting of a pressed formed body and a front plate. Please note the front plate is continuously welded to back and sides. **Tapco reserves the right to change bucket construction at any time. The bucket will be produced after Tapco supplies a CAD drawing to be signed by customer.**

**CONSTRUCTION OPTIONS:** AR plate, wear lips, or hard bead welds.

**MATERIAL THICKNESS:** 14 ga., 12 ga., 10 ga., 7 ga. (3/16"), 1/4", 5/16", 3/8" and 1/2".

**DRILLING:** No charge for standard belt or chain drillings.

**VENTING:** Available on request, contact Tapco for recommendations.

**USABLE CAPACITY:** Tapco recommends using 75% of gross, (100%) capacity.

**SPACING:** Contact Tapco for recommendations.

**INTERCHANGEABILITY:** Can be intermixed with existing fabricated HFO style buckets. If different weight buckets are mixed in, some care should be taken that the leg does not become too far out of balance. Check elevator for proper clearances. Contact Tapco for recommendations

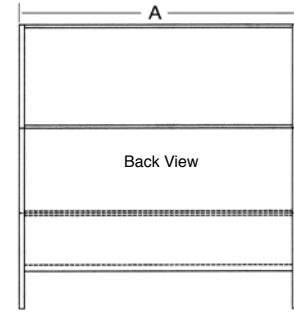
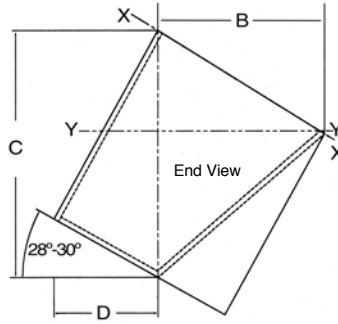
**INSTALLATION: On belt:** Fanged elevator bolts and nylon insert lock nuts are recommended. **Flat steel washers must be placed inside the bucket under the nuts.**

**On chain:** Use Grade 5 hex head bolts with hex nuts, flat washers, and lock washers. **Elevator bolts should not be used on chain attachments.**

**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion.

AVAILABLE THROUGH INDUSTRIAL DISTRIBUTORS, CONTRACTORS, AND ORIGINAL EQUIPMENT MANUFACTURERS

# SC FABRICATED STEEL ELEVATOR BUCKETS



## STYLE SC BUCKETS

SIZE (Nominal) Millimeter	SIZE (Nominal) Inches	Dimensions-Actual (Inches) Tolerance A, B & C ±1/4"				Weight, Pounds (Est.)				Capacity ① Tolerance ± 3%	
		Length A	Proj. B	Depth C	Inches D	10 Gauge Steel	3/16" Steel	1/4" Steel	5/16" Steel	Gross X-X Cu. Ft.	Y-Y Cu. Ft.
305 X 200 X 180	<b>12 X 8 X 11</b>	12	8-3/4	11-5/8	4-9/16	22	29	39	49	.54	.35
355 X 200 X 180	<b>14 X 8 X 11</b>	14	8-3/4	11-5/8	4-9/16	23	31	41	51	.63	.41
405 X 200 X 180	<b>16 X 8 X 11</b>	16	8-3/4	11-5/8	4-9/16	25	34	45	56	.72	.46
460 X 200 X 180	<b>18 X 8 X 11</b>	18	8-3/4	11-5/8	4-9/16	27	36	48	60	.81	.52
500 X 200 X 180	<b>20 X 8 X 11</b>	20	8-3/4	11-5/8	4-9/16	29	39	52	65	.90	.58
405 X 300 X 425	<b>16 X 12 X 17</b>	16	12-7/16	17-3/8	6-1/2	43	58	76	95	1.55	1.11
500 X 300 X 425	<b>20 X 12 X 17</b>	20	12-7/16	17-3/8	6-1/2	49	67	88	110	1.94	1.40
610 X 300 X 425	<b>24 X 12 X 17</b>	24	12-7/16	17-3/8	6-1/2	55	75	104	130	2.33	1.68
740 X 300 X 425	<b>30 X 12 X 17</b>	30	12-7/16	17-3/8	6-1/2	65	88	117	146	2.91	2.11
900 X 300 X 425	<b>36 X 12 X 17</b>	36	12-7/16	17-3/8	6-1/2	73	99	132	165	3.49	2.53

① Tapco recommends using gross x .75, for usable capacity.

## INDUSTRIAL STYLE FOR HANDLING:

AGGREGATE, CEMENT, ETC.

## FEATURES:

**NORMALLY USED IN SUPER CAPACITY TYPE CONTINUOUS BUCKET ELEVATORS MOUNTED BETWEEN TWO STRANDS OF CHAIN. SUITABLE FOR HANDLING HEAVY MATERIALS.**

## TECHNICAL INFORMATION:

**STYLE:** SC (Super Capacity)

**DESIGN:** Slow speed continuous discharge.

**MATERIAL:** Carbon Steel, Stainless Steel, Aluminum.

**METHOD OF MANUFACTURE:** Fabricated.

**CONSTRUCTION:** The SC style bucket utilizes a 3-piece design consisting of two end plates and a body. **Tapco reserves the right to change bucket construction at any time. The bucket will be produced after Tapco supplies a CAD drawing to be signed by customer.**

**CONSTRUCTION OPTIONS:** AR plate, wear lips, or hard bead welds.

**MATERIAL THICKNESS:** 10 ga., 7 ga.(3/16"), 1/4", 5/16", 3/8", and 1/2".

**DRILLING:** No charge for standard chain drillings.

**VENTING:** Available on request, contact Tapco for recommendations.

**USABLE CAPACITY:** Tapco recommends using 75% of gross, (100%) capacity.

**SPACING:** Contact Tapco for recommendations.

**INTERCHANGEABILITY:** Can be intermixed with existing fabricated SC style buckets. If different weight buckets are mixed in, some care should be taken that the leg does not become too far out of balance. Check elevator for proper clearances. Contact Tapco for recommendations.

**INSTALLATION:** Use Grade 5 hex head bolts with hex nuts, flat washers, and lock washers. **Elevator bolts should not be used on chain attachments.**

**CAUTION:** Welding and cutting on elevator legs without taking proper precautions is extremely dangerous and can cause a violent explosion.

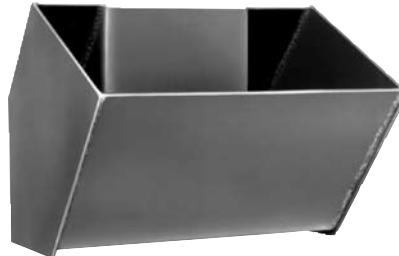
AVAILABLE THROUGH INDUSTRIAL DISTRIBUTORS, CONTRACTORS, AND ORIGINAL EQUIPMENT MANUFACTURERS

## FABRICATED ELEVATOR BUCKETS

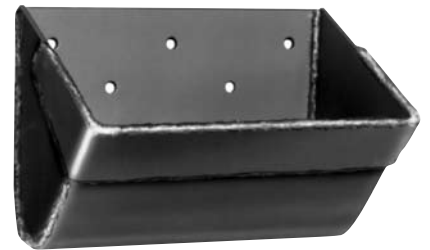
### INDUSTRIAL STYLES



**Style AC**



**Style ACS**



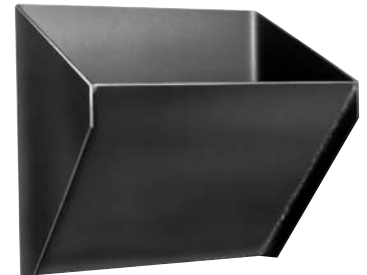
**Style AA**



**Low Front  
Continuous**



**Medium Front  
Continuous**



**High Front  
Continuous**



**High Front Overlapping  
Continuous**



**Special Continuous**



**Super Capacity  
Continuous**

# ELEVATOR BOLTS

## NO. 1 NORWAY FLAT COUNTERSUNK HEAD

STEEL <sup>▲</sup>	ZINC	STAINLESS
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SIZE (Nominal) Inches	Head Diameter	Packaged-with Finished Hex Nuts Weight In Pounds			
		Quantity/ Box	Weight/ Box	Boxes/ Full Case	Weight/ Full Case
◆ 1/4 - 20 x 3/4	31/32"	100	2.85	21(2100 pcs.)	61
◆ 1/4 - 20 x 1	31/32"	100	3.32	21(2100 pcs.)	71
◆ 1/4 - 20 x 1-1/4	31/32"	100	3.36	21(2100 pcs.)	72
◆ 1/4 - 20 x 1-1/2	31/32"	100	3.80	21(2100 pcs.)	81
◆ 1/4 - 20 x 1-3/4	31/32"	100	3.90	21(2100 pcs.)	83
◆ 1/4 - 20 x 2	31/32"	100	4.09	12(1200 pcs.)	51
1/4 - 20 x 2-1/4	31/32"	100	4.36	12(1200 pcs.)	54
1/4 - 20 x 2-1/2	31/32"	100	4.69	12(1200 pcs.)	58
1/4 - 20 x 2-3/4	31/32"	100	4.94	12(1200 pcs.)	61
1/4 - 20 x 3	31/32"	100	5.74	12(1200 pcs.)	70
5/16 - 18 x 3/4	1-3/16"	100	4.85	21(2100 pcs.)	103
◆ 5/16 - 18 x 1	1-3/16"	100	5.30	21(2100 pcs.)	113
◆ 5/16 - 18 x 1-1/4	1-3/16"	100	5.74	12(1200 pcs.)	70
◆ 5/16 - 18 x 1-1/2	1-3/16"	100	6.12	12(1200 pcs.)	75
◆ 5/16 - 18 x 1-3/4	1-3/16"	100	6.76	12(1200 pcs.)	83
◆ 5/16 - 18 x 2	1-3/16"	100	7.24	12(1200 pcs.)	88
5/16 - 18 x 2-1/4	1-3/16"	100	7.89	12(1200 pcs.)	96
5/16 - 18 x 2-1/2	1-3/16"	100	8.40	12(1200 pcs.)	102
5/16 - 18 x 2-3/4	1-3/16"	100	8.65	12(1200 pcs.)	105
5/16 - 18 x 3	1-3/16"	100	8.84	12(1200 pcs.)	108
◆ 3/8 - 16 x 1	1-5/16"	50	3.87	21(1050 pcs.)	83
◆ 3/8 - 16 x 1-1/4	1-5/16"	50	4.01	21(1050 pcs.)	86
◆ 3/8 - 16 x 1-1/2	1-5/16"	50	4.40	21(1050 pcs.)	94
◆ 3/8 - 16 x 1-3/4	1-5/16"	50	4.67	21(1050 pcs.)	100
◆ 3/8 - 16 x 2	1-5/16"	50	5.00	12(600 pcs.)	62
3/8 - 16 x 2-1/4	1-5/16"	50	5.54	12(600 pcs.)	68
◆ 3/8 - 16 x 2-1/2	1-5/16"	50	5.75	12(600 pcs.)	71
3/8 - 16 x 2-3/4	1-5/16"	50	6.42	12(600 pcs.)	79
3/8 - 16 x 3	1-5/16"	50	6.99	12(600 pcs.)	85
◆ 1/2 - 13 x 1-1/2	1-9/16"	25	4.56	21(525 pcs.)	97
1/2 - 13 x 1-3/4	1-9/16"	25	4.76	21(525 pcs.)	101
◆ 1/2 - 13 x 2	1-9/16"	25	4.96	21(525 pcs.)	106
◆ 1/2 - 13 x 2-1/2	1-9/16"	25	5.54	12(300 pcs.)	68
◆ 1/2 - 13 x 3	1-9/16"	25	6.11	12(300 pcs.)	75

- ◆ Available in stainless steel - all sizes available in zinc plated
- ▲ All steel bolts have a "black oil" finish

SIZE (Nominal) Inches	Bulk-Bolt Only Weight In Pounds	
	Quantity/ Keg	Weight/ Keg
1/4 - 20 x 3/4	7200	148
1/4 - 20 x 1	6000	152
1/4 - 20 x 1-1/4	5200	134
1/4 - 20 x 1-1/2	4400	132
1/4 - 20 x 1-3/4	3600	112
1/4 - 20 x 2	3200	105
1/4 - 20 x 2-1/4	2800	100
1/4 - 20 x 2-1/2	2400	94
1/4 - 20 x 2-3/4	2000	83
1/4 - 20 x 3	2000	99
5/16 - 18 x 3/4	4000	147
5/16 - 18 x 1	3600	148
5/16 - 18 x 1-1/4	3200	145
5/16 - 18 x 1-1/2	2800	138
5/16 - 18 x 1-3/4	2400	133
5/16 - 18 x 2	2000	121
5/16 - 18 x 2-1/4	2000	134
5/16 - 18 x 2-1/2	1600	116
5/16 - 18 x 2-3/4	1600	120
5/16 - 18 x 3	1200	93
3/8 - 16 x 1	2800	167
3/8 - 16 x 1-1/4	2400	151
3/8 - 16 x 1-1/2	2000	140
3/8 - 16 x 1-3/4	1800	136
3/8 - 16 x 2	1600	131
3/8 - 16 x 2-1/4	1400	129
3/8 - 16 x 2-1/2	1200	116
3/8 - 16 x 2-3/4	1200	132
3/8 - 16 x 3	1000	122
1/2 - 13 x 1-1/2	1400	195
1/2 - 13 x 1-3/4	1200	177
1/2 - 13 x 2	1000	159
1/2 - 13 x 2-1/2	800	145
1/2 - 13 x 3	600	123

## NO. 3 ECLIPSE SLOTTED HEAD

STEEL <sup>▲</sup>	ZINC
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SIZE (Nominal) Inches	Head Diameter	Packaged-with Finished Hex Nuts Weight In Pounds			
		Quantity/ Box	Weight/ Box	Boxes/ Full Case	Weight/ Full Case
1/4 - 20 x 3/4	23/32"	100	2.53	21(2100 pcs.)	55
1/4 - 20 x 1	23/32"	100	2.94	21(2100 pcs.)	63
1/4 - 20 x 1-1/4	23/32"	100	3.28	21(2100 pcs.)	70
1/4 - 20 x 1-1/2	23/32"	100	3.66	21(2100 pcs.)	78
5/16 - 18 x 1	7/8"	100	4.02	21(2100 pcs.)	86
5/16 - 18 x 1-1/4	7/8"	100	4.49	12(1200 pcs.)	55
5/16 - 18 x 1-1/2	7/8"	100	4.91	12(1200 pcs.)	60

SIZE (Nominal) Inches	Bulk-Bolt Only Weight In Pounds	
	Quantity/ Keg	Weight/ Keg
1/4 - 20 x 3/4	7200	125
1/4 - 20 x 1	6000	129
1/4 - 20 x 1-1/4	5200	130
1/4 - 20 x 1-1/2	4400	167
5/16 - 18 x 1	3600	102
5/16 - 18 x 1-1/4	3200	106
5/16 - 18 x 1-1/2	2800	105

IN STOCK FOR IMMEDIATE SHIPPING  
AVAILABLE THROUGH INDUSTRIAL DISTRIBUTORS, CONTRACTORS, AND ORIGINAL EQUIPMENT MANUFACTURERS

# ELEVATOR BOLTS

FANGED\*

STEEL▲ ZINC STAINLESS



SIZE (Nominal) Inches	Head Diameter	Packaged-with Finished Hex Nuts Weight In Pounds				
		Fang Length	Quantity/ Box	Weight/ Box	Boxes/ Full Case	Weight/ Full Case
◆ 1/4 - 20 x 3/4	31/32"	7/32"	100	3.5	21(2100 pcs.)	78
◆ 1/4 - 20 x 1	31/32"	7/32"	100	3.7	21(2100 pcs.)	81
◆ 1/4 - 20 x 1-1/4	31/32"	7/32"	100	4.0	21(2100 pcs.)	86
◆ 1/4 - 20 x 1-1/2	31/32"	7/32"	100	4.2	21(2100 pcs.)	91
◆ 1/4 - 20 x 1-3/4	31/32"	7/32"	100	4.6	21(2100 pcs.)	100
◆ 1/4 - 20 x 2	31/32"	7/32"	100	4.7	12(1200 pcs.)	60
1/4 - 20 x 2-1/4	31/32"	7/32"	100	4.9	12(1200 pcs.)	63
◆ 1/4 - 20 x 2-1/2	31/32"	7/32"	100	5.1	12(1200 pcs.)	66
◆ 5/16 - 18 x 1	1-3/16"	7/32"	100	5.9	21(2100 pcs.)	126
◆ 5/16 - 18 x 1-1/4	1-3/16"	7/32"	100	7.0	12(1200 pcs.)	86
◆ 5/16 - 18 x 1-1/2	1-3/16"	7/32"	100	7.2	12(1200 pcs.)	90
◆ 5/16 - 18 x 1-3/4	1-3/16"	7/32"	100	7.3	12(1200 pcs.)	92
◆ 5/16 - 18 x 2	1-3/16"	7/32"	100	7.7	12(1200 pcs.)	95
5/16 - 18 x 2-1/4	1-3/16"	7/32"	100	8.7	12(1200 pcs.)	108
5/16 - 18 x 2-1/2	1-3/16"	7/32"	100	9.1	12(1200 pcs.)	111
3/8 - 16 x 1-1/4	1-5/16"	9/32"	50	4.3	21(1050 pcs.)	92
3/8 - 16 x 1-1/2	1-5/16"	9/32"	50	4.6	21(1050 pcs.)	98
3/8 - 16 x 1-3/4	1-5/16"	9/32"	50	4.7	21(1050 pcs.)	100
3/8 - 16 x 2	1-5/16"	9/32"	50	5.2	12(600 pcs.)	65
3/8 - 16 x 2-1/4	1-5/16"	9/32"	50	5.4	12(600 pcs.)	67
3/8 - 16 x 2-1/2	1-5/16"	9/32"	50	5.7	12(600 pcs.)	71

SIZE (Nominal) Inches	Bulk-Bolt Only Weight In Pounds	
	Quantity/ Keg	Weight/ Keg
1/4 - 20 x 3/4	7200	197
1/4 - 20 x 1	6000	175
1/4 - 20 x 1-1/4	5200	167
1/4 - 20 x 1-1/2	4400	150
1/4 - 20 x 1-3/4	3600	136
1/4 - 20 x 2	3200	123
1/4 - 20 x 2-1/4	2800	112
1/4 - 20 x 2-1/2	2400	100
5/16 - 18 x 1	3600	167
5/16 - 18 x 1-1/4	3200	184
5/16 - 18 x 1-1/2	2800	171
5/16 - 18 x 1-3/4	2400	144
5/16 - 18 x 2	2000	127
5/16 - 18 x 2-1/4	2000	147
5/16 - 18 x 2-1/2	1600	123
3/8 - 16 x 1-1/4	2400	163
3/8 - 16 x 1-1/2	2000	147
3/8 - 16 x 1-3/4	1800	135
3/8 - 16 x 2	1600	140
3/8 - 16 x 2-1/4	1700	149
3/8 - 16 x 2-1/2	1200	113

- ◆ Available in Stainless Steel-All sizes available in Zinc Plated
- ▲ All steel bolts have a "black oil" finish

POINTED END FANGED\*

STEEL▲ ZINC



SIZE (Nominal) Inches	Head Diameter	Packaged-with Finished Hex Nuts Weight In Pounds				
		Fang Length	Quantity/ Carton	Weight/ Carton	Boxes/ Full Case	Weight/ Full Case
1/4 - 20 x 3/4	31/32"	7/32"	100	3.6	12(1200 pcs.)	45
1/4 - 20 x 1	31/32"	7/32"	100	3.8	12(1200 pcs.)	47
1/4 - 20 x 1-1/4	31/32"	7/32"	100	4.1	12(1200 pcs.)	52
1/4 - 20 x 1-1/2	31/32"	7/32"	100	4.3	12(1200 pcs.)	54
5/16 - 18 x 1	1-3/16"	7/32"	100	6.0	12(1200 pcs.)	74
5/16 - 18 x 1-1/4	1-3/16"	7/32"	100	7.1	12(1200 pcs.)	87
5/16 - 18 x 1-1/2	1-3/16"	7/32"	100	7.3	12(1200 pcs.)	91
5/16 - 18 x 2	1-3/16"	7/32"	100	7.8	12(1200 pcs.)	96

SIZE (Nominal) Inches	Bulk-Bolt Only Weight In Pounds	
	Quantity/ Keg	Weight/ Keg
1/4 - 20 x 3/4	7200	139
1/4 - 20 x 1	6000	169
1/4 - 20 x 1-1/4	5200	167
1/4 - 20 x 1-1/2	4400	171
5/16 - 18 x 1	3200	152
5/16 - 18 x 1-1/4	2800	150
5/16 - 18 x 1-1/2	2800	139
5/16 - 18 x 2	2000	133

**Installation Note: Insert bolts in holes with fangs in line across the width of belt.**

METRIC FANGED\*

ZINC




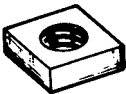
SIZE (Nominal) MM	Head Diameter	Packaged-with Finished Hex Nuts Weight In Pounds				
		Fang Length	Quantity/ Box	Weight/ Box	Boxes/ Full Case	Weight/ Full Case
M 8 X 25	30 mm	5.5 mm	100	5.9	21(2100 pcs.)	125
M 8 X 30	30 mm	5.5 mm	100	6.4	12(1200 pcs.)	77
M 10 X 30	33 mm	7.1 mm	50	4.2	21(1050 pcs.)	90
M 10 X 35	33 mm	7.1 mm	50	4.6	21(1050 pcs.)	97


SIZE (Nominal) MM	Bulk-Bolt Only Weight In Pounds	
	Quantity/ Keg	Weight/ Keg
M 8 X 25	3600	169
M 8 X 30	3200	165
M 10 X 30	2400	165
M 10 X 35	2000	147

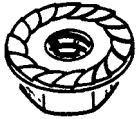
\* Manufactured under the following Patents: U.S. 3,712,357 Canada 966,338

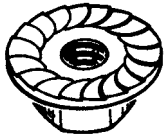
## NUTS AND SPACERS

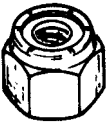
	◆ Hex Nut	Size Inches	Dimension (Inches)			Pkg. Qty.	Pkg. Wgt. (Pounds)
			Max. Width Across Flat	Max. Flange Diameter	Max. Thickness		
		1/4-20	0.438		0.226	100	0.7
		5/16-18	0.500		0.273	100	1.1
		3/8-16	0.562		0.337	50	0.8
1/2-13	0.750		0.448	25	0.9		

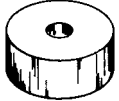
	Square Nut	Size Inches	Dimension (Inches)			Pkg. Qty.	Pkg. Wgt. (Pounds)
			Max. Width Across Flat	Max. Flange Diameter	Max. Thickness		
		1/4-20	0.438		0.235	100	0.9
		5/16-18	0.500		0.283	100	1.8
3/8-16	0.562		0.346	50	1.3		

	Serrated Lock Nut	Size Inches	Dimension (Inches)			Pkg. Qty.	Pkg. Wgt. (Pounds)
			Max. Width Across Flat	Max. Flange Diameter	Max. Thickness		
		1/4-20	0.438		0.226	100	0.7
		5/16-18	0.500		0.273	100	1.1
3/8-16	0.562		0.337	50	0.8		

	◆ Flange Serrated Lock Nut	Size Inches	Dimension (Inches)			Pkg. Qty.	Pkg. Wgt. (Pounds)
			Max. Width Across Flat	Max. Flange Diameter	Max. Thickness		
		1/4-20	0.438	0.594	0.236	100	0.9
		5/16-18	0.500	0.680	0.283	100	1.2
3/8-16	0.562	0.750	0.347	50	0.9		

	Large Flange Serrated Lock Nut	Size Inches	Dimension (Inches)			Pkg. Qty.	Pkg. Wgt. (Pounds)
			Max. Width Across Flat	Max. Flange Diameter	Max. Thickness		
		1/4-20	0.438	0.728	0.312	100	1.2
		5/16-18	0.500	0.820	0.375	100	2.3
3/8-16	0.562	0.915	0.406	50	1.4		

	◆ Nylon Insert Lock Nut	Size Inches	Dimension (Inches)			Pkg. Qty.	Pkg. Wgt. (Pounds)
			Max. Width Across Flat	Max. Flange Diameter	Max. Thickness		
		1/4-20	0.438		0.312	100	0.8
		5/16-18	0.500		0.344	100	1.1
3/8-16	0.562		0.453	50	0.9		


	Polyethylene Spacer	Size Inches	Dimension (Inches)			Pkg. Qty.	Pkg. Wgt. (Pounds)
			Max. Width Across Flat	Max. Flange Diameter	Max. Thickness		
		1/4	1.25		0.500	100	1.3
5/16	1.25		0.500	100	1.3		


◆ Available in Stainless Steel • All nuts are Zinc Plated


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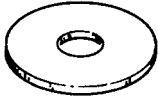



## WASHERS


	◆ Flat	Size (ID) Inches	Dimension (Inches)		Pkg. Qty.	Pkg. Wgt. (Pounds)
			O.D.	Thickness		
		1/4	0.734	0.065	100	0.7
		5/16	0.875	0.083	100	1.1
		3/8	1.000	0.083	50	0.8
1/2	1.375	0.109	25	1.0		


	◆ Split Ring Lock	Size (ID) Inches	Dimension (Inches)		Pkg. Qty.	Pkg. Wgt. (Pounds)
			O.D.	Thickness		
		1/4	0.489	0.078	100	0.2
		5/16	0.586	0.093	100	0.4
		3/8	0.683	0.125	50	0.3
1/2	0.737	0.172	25	0.3		

	Internal Tooth Lock	Size (ID) Inches	Dimension (Inches)		Pkg. Qty.	Pkg. Wgt. (Pounds)
			O.D.	Thickness		
		1/4	0.478	0.028	100	0.7
		5/16	0.610	0.034	100	0.1
3/8	0.692	0.040	50	0.1		

	◆ Fender	Size (ID) Inches	Dimension (Inches)		Pkg. Qty.	Pkg. Wgt. (Pounds)
			O.D.	Thickness		
		1/4	1.000	0.078	100	1.3
		5/16	1.250	0.078	100	2.0
3/8	1.500	0.078	50	1.5		

	Leather	Size (ID) Inches	Dimension (Inches)		Pkg. Qty.	Pkg. Wgt. (Pounds)
			O.D.	Thickness		
		1/4	1.000	0.125	100	0.3
		5/16	1.000	0.125	100	0.2
3/8	1.000	0.125	50	0.2		

	Neoprene (1/8" Thick)	Size (ID) Inches	Dimension (Inches)		Pkg. Qty.	Pkg. Wgt. (Pounds)
			O.D.	Thickness		
		1/4	1.000	0.125	100	0.4
		5/16	1.000	0.125	100	0.4
3/8	1.000	0.125	50	0.2		

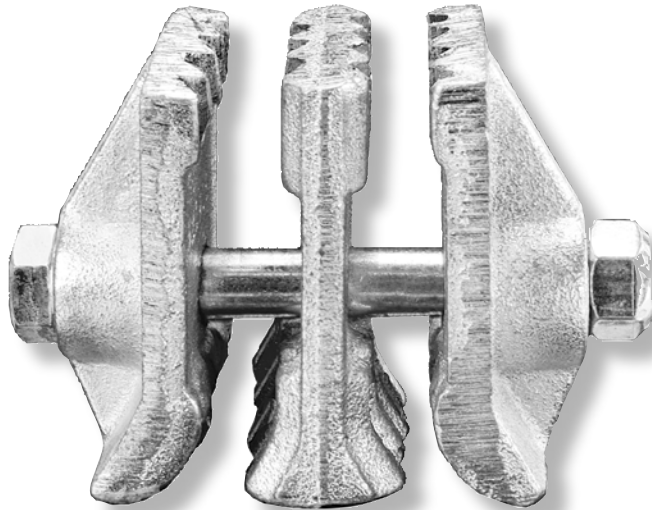
	Neoprene (1/4" Thick)	Size (ID) Inches	Dimension (Inches)		Pkg. Qty.	Pkg. Wgt. (Pounds)
			O.D.	Thickness		
		1/4	1.250	0.250	100	1.5
		5/16	1.250	0.250	100	1.5
3/8	1.250	0.250	50	0.8		

◆ Available in Stainless Steel • All nuts are Zinc Plated

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## **Dura-Splice™ CLAMP BELT FASTENER FOR ELEVATOR BELTS**

**Strong!  
Safe!  
Reliable!  
Proven!**



**One Size  
Fits All!**

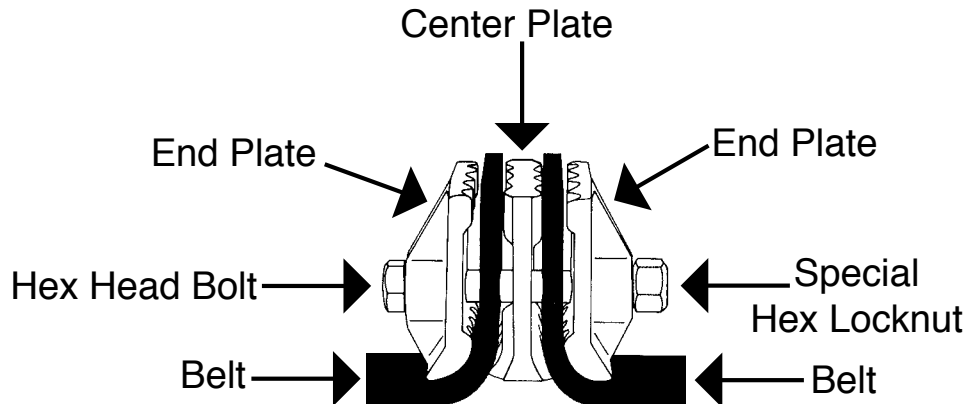
- One size fits all belts and pulleys.
- Recommended for belts rated up to 800 PIW, and up to 1/2" overall thickness
- Holds belts in a vice-like grip between three heavy duty grooved plates, designed to remain secure.
- Each splice set joins a 2" wide belt area.
- The joint never touches the pulleys. There's no problem of metal to metal contact.
- Recommended by grain elevator operators-world wide.
- Offers extra safety and increased load capacity because belt is not weakened with excess bolt holes.
- Puts an end to the double belt thickness common to other systems. Stops the costly waste of extra belting necessary in lap and butt rider joints.
- Can be used over and over again for years of dependable service.

***When reinstalling the Dura-Splice, always use a new bolt and nut assembly. Contact Tapco for replacement parts.***

***• Dura-Splice fasteners are not to be used on manlift applications, unless they are installed in strict accordance with ASME Code A-90.1-2003. Contact Tapco for installation information.***

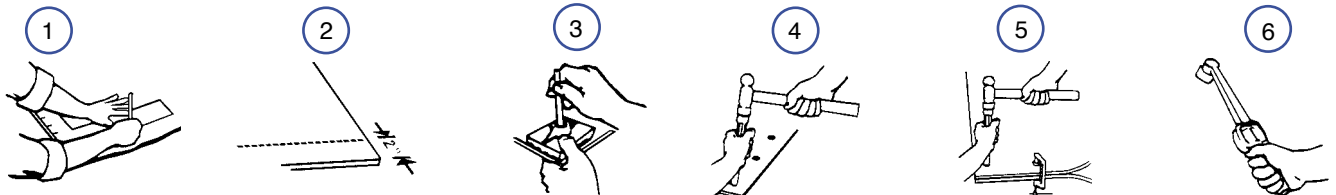
## Dura-Splice™ CLAMP BELT FASTENER FOR ELEVATOR BELTS

### INSTALLATION INSTRUCTIONS:



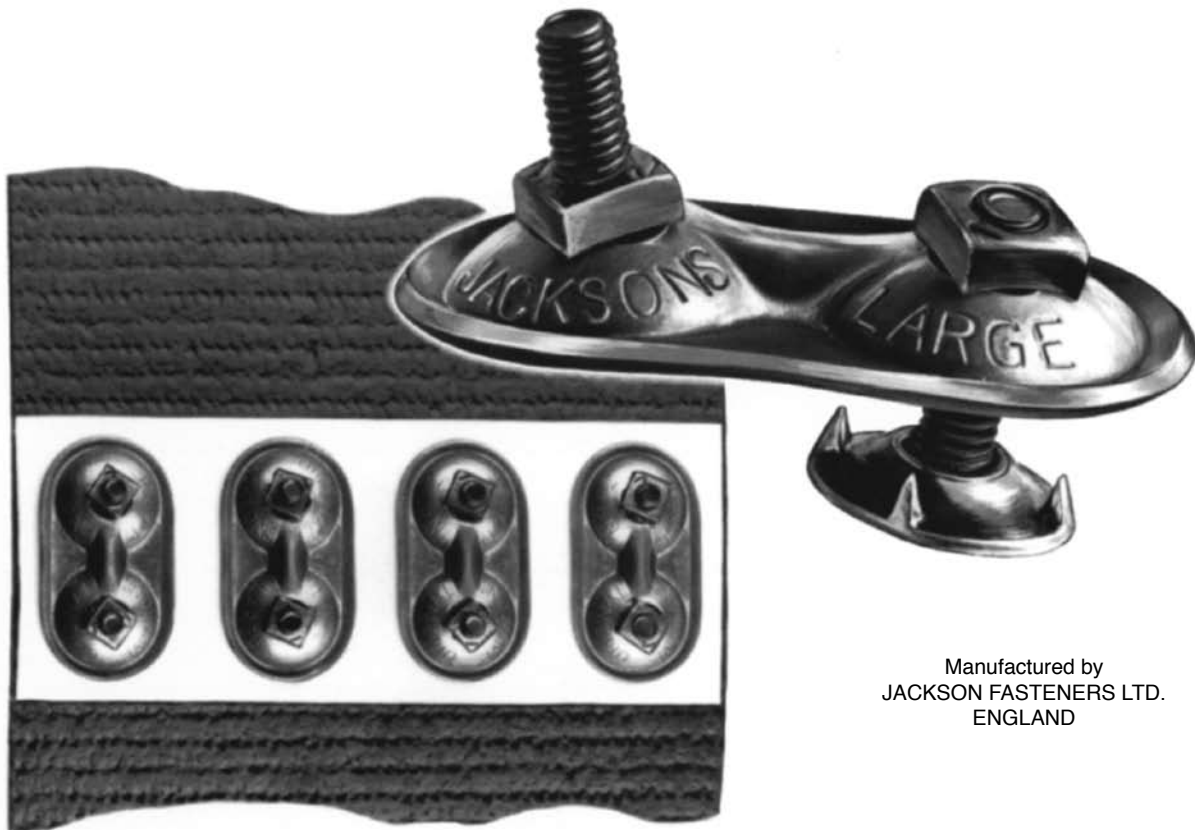
1. Make certain end of belts are square.
2. Using crayons or chalk, draw a line on belt 2" from the end of the belt. This line is the bolt centerline and should be parallel to squared end of belt.
3. Use end plate as template and mark location of bolt holes on the centerline all the way across width of belt. For maximum splice strength; use as many Dura-Splice sets as possible across full width of belt, making certain the Dura-Splice units are positioned no closer than 1/4" from edge of belt or no farther away than 1" from belt's edge.
4. Drill, or punch out holes marked on bolt centerline with 1/2" drill bit or punch.
5. Clamp belt ends together securely and using the punched belt as a template, mark and punch holes in other end of belt.
6. Assemble the Dura-Splice units into belt and tighten all bolts to 75 foot pounds with a torque wrench. (This is important to insure maximum splice strength)
7. After fifteen minutes of running time, re-tighten all bolts again to 75 foot pounds.
8. Your Dura-Splice installation is finished! You have a super-strong elevator splice that will give many years of service with minimum maintenance.
9. **When reinstalling the Dura-Splice, always use a new bolt and nut assembly. Contact Tapco for replacement parts.**

**• Dura-Splice fasteners are not to be used on manlift applications, unless they are installed in strict accordance with ASME Code A-90.1-2003. Contact Tapco for installation information.**





## JACKSON PLATE BELT FASTENERS FOR ELEVATOR BELTS



Manufactured by  
JACKSON FASTENERS LTD.  
ENGLAND

Tapco Jackson Fasteners are a simple method of splicing elevator belts that avoid the pre-engineered failure points of other splices. The Jackson Fastener is composed of a metal plate embossed with two concave depressions. The opposite ends of the belt are cupped into pockets and are held there by the force of a special countersunk bolt head, and a large heavy fanged washer; thereby distributing pressure over a larger area of belt.

While stress and gravity tend to pull the ends apart, they are counterbalanced by the force of compression into the fastener. The Jackson plate is curved in relation to the size of the belt and diameter of the pulley with which it must work, so that no thumbnailing or destruction of the belt fibers occurs. The long collar nut on the special bolt recesses into the belt insuring a locking action.

The advantages of using Jackson plate belt fasteners are: Strength and integrity of splice, no unbalanced belt section, smooth running over pulley, comparative low cost. Easy installation requiring no special tools, and allowing even, close spacing of buckets, and eliminating the need for "splice cups".

When it becomes necessary to take-up, or shorten the belt, only one end of the belt splice needs to be removed, cut to length for proper tension and reinstall. The Jackson splice can be supplied for any belt width with the proper number of plate fasteners and template.

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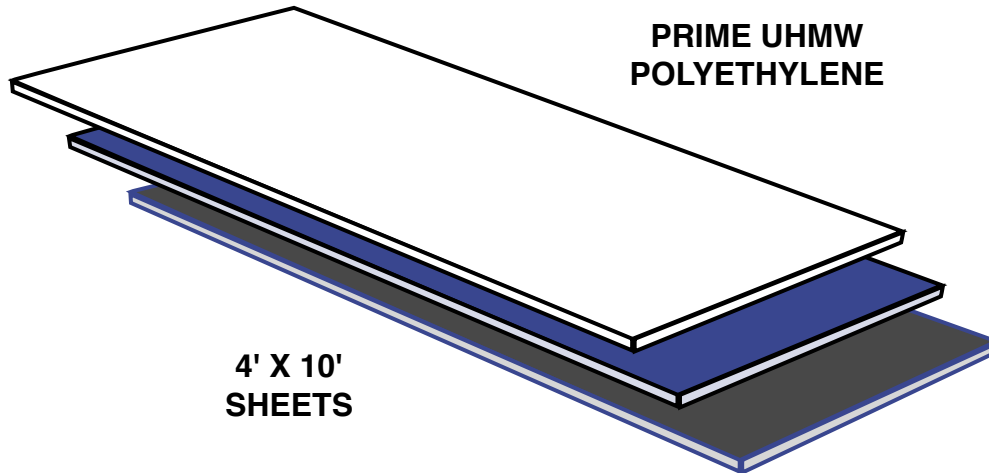
## JACKSON PLATE BELT FASTENERS FOR ELEVATOR BELTS

A complete Jackson plate belt fastener joint includes a combination template/gasket and fasteners for width of belt.

Width of Belt (Inches)	No. 2-S For Belts 1/4"-11/32" thick.	No. 2-L For Belts 3/8"-15/32" thick.	No. 3 For Belts 1/2"-19/32" thick.	No. 4 For Belts 5/8"-23/32" thick.	No. 5 For Belts 3/4"-27/32" thick.		
	-MINIMUM TAIL PULLEY DIAMETER-						
	14"	16"	24"	36"	48"		
6 7 8 9 10	Out of production Contact Tapco for alternatives	Out of production Contact Tapco for alternatives	Out of production Contact Tapco for alternatives	Number of Plates	Number of Plates		
11 12 13 14 15							
16 17 18 20 22							
24 26 28 30 32	Out of production Contact Tapco for alternatives	Out of production Contact Tapco for alternatives	Out of production Contact Tapco for alternatives	10	8		
34 36 38 40 42				11	8		
				11	9		
				12	10		
				13	10		
				13	11		
				15	12		
				16	12		
				16	13		
				16	14		
45 48 50 52 54				19	14		
				20	16		
				21	16		
				21	16		
				21	18		
60 68				25	20		
				27	22		

## UHMW SHEETING

UHMW (Ultra High Molecular Weight) Polyethylene  
Molecular Weight-Four to Seven Million



### APPLICATIONS:

BIN LINERS, WEAR STRIPS, CHUTE LINERS, GUIDE PLATES, HOPPER LINERS,  
GASKETS, CHAIN GUIDES AND CONVEYOR LINERS

### FEATURES:

- **HIGH RESISTANCE TO ABRASION**  
*Outlasts abrasion resistant steel 3 to 4 times.*
- **NON-SPARKING**  
*An important safety aspect.*
- **ZERO MOISTURE ABSORPTION**  
*UHMW polyethylene will not absorb moisture and swell.*
- **EASY TO FABRICATE**  
*Use standard wood or metalworking tools.*
- **LIGHT WEIGHT**  
*Easy to handle. 1/8 the weight of steel.*
- **SELF-LUBRICATING**  
*Ideal for dry-moving applications where lubricants are not tolerated.*
- **FDA & USDA APPROVED**  
*Odor free, taste free, and non-corrosive.*
- **HIGHLY ENERGY ABSORBENT**  
*Virtually won't crack.*
- **LOW COEFFICIENT OF FRICTION**  
*Super slippery surface-no caking or bridging of bulk materials.*
- **CHEMICALLY INERT**  
*Not affected by corrosive environment, resists all alkalies and acids except concentrated nitric and sulfuric.*
- **HIGH IMPACT STRENGTH**  
*Withstands repeated impact.*

### UHMW SHEET MATERIAL SPECIFICATIONS:

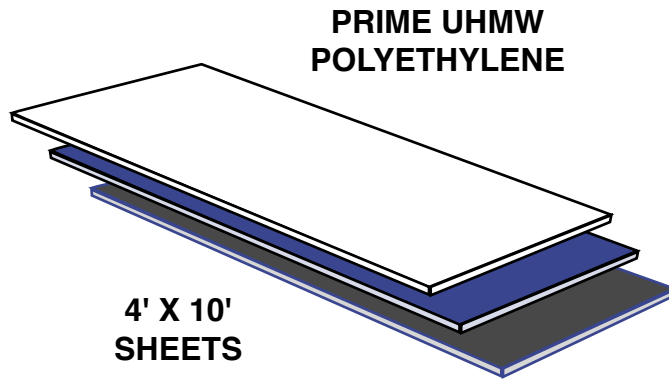
**Natural UHMW** – White in color. This UHMW sheet meets FDA/USDA and 3-A dairy guidelines. It is an excellent high wear material.

**Reprocessed or Recycled UHMW** – Green or Black in color. This sheet is a blend of virgin and regenerated UHMW polymers that maintain an acceptable combination of properties for less demanding applications. This sheet is not FDA approved.

**Antistatic UHMW** – Black in color. This UHMW sheet protects parts sensitive to build up of static electricity. It permits partial transmission of electrical charge, thus dissipating static build-up.

IN STOCK FOR IMMEDIATE SHIPPING  
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# UHMW SHEETING



Thickness (Inches)	Weight (Pounds)
1/8	25
3/16	38
1/4	50
3/8	75
1/2	100
5/8	125
3/4	150
1	200
1-1/4	250
1-1/2	300
1-3/4	350
2	400
2-1/2	500
3	600
3-1/2	700
4	800

Thickness tolerance  $\pm$  10%  
Length or width tolerance + 1/2", -1/4"

## TECHNICAL INFORMATION:

**Material:** Virgin UHMW (ultra high molecular weight) polyethylene.

**Molecular Weight:** Four to seven million.

**Method of Manufacturer:** Compression molded.

**Color:** White, other colors available on special order.

**Temperature:** -60°F to +225°F/ -51°C to +107°C.

**Flammability:** UHMW polyethylene is termed "slow burning". Combustion in an excess of air results in harmless by-products (fumes) which are nontoxic.

**Limitations:** As a lining material, UHMW sheeting should not be used for the following: (1) Hard or sharp material, such as rocks or sharp glass. (2) In glancing impact areas. (3) In high velocity chutes. (4) In chutes that make rapid change of direction.

## PHYSICAL PROPERTIES:

PROPERTY:	TEST METHOD:	UNIT:	TYPICAL VALUE:	PROPERTY:	TEST METHOD:	UNIT:	TYPICAL VALUE:
Water Absorption	ASTM D-570	-	nil	Break Elongation @250°F/121°C	Stress Strain Diagram	%	900
Izod Impact +@73°F/23°C	ASTM D-256A	ft.-lbs/in. notch	No Break	Ultimate Tensile Strength @250°F/121°C	Stress Strain Diagram	p.s.i.	3300
- @220°F/-140°C	ASTM D-256A	ft.-lbs/in. notch	No Break	Yield Strength @250°F/121°C	Stress Strain Diagram	p.s.i.	700
Shear Strength	ASTM D-732	p.s.i.	3500	Break Elongation @73°F/23°C	ASTM D-638	%	450
Environmental Stress Cracking @F50	ASTM D-1693 mod.	hrs.	6000	Ultimate Tensile Strength @73°F/23°C	ASTM D-638	p.s.i.	6800
Flexural Modulus of Elasticity	Bend Creep/1 min. value	p.s.i.	110.000	Yield Strength @73°F/23°C	ASTM D-638	p.s.i.	3400
Hardness: Rockwell "R" Scale	ASTM D-785	-	64	Specific Gravity	ASTM D-792	g/cm <sup>3</sup>	0.94
Shore "D"	ASTM D-2240	-	67				

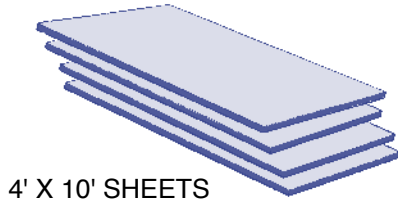
**TAPCO-THANE<sup>®</sup> SHEETING AND ROLLS**

(ELASTOMERIC POLYURETHANE)

**Sheets: Expanded Metal Back,  
Fabric Back or Plain Back**

Size Width X Length X Thickness	Weight (Pounds)		
	Expanded Metal	Fabric	Plain
4' X 10' X 3/16"	78	51	44
4' X 10' X 1/4"	88	69	62
4' X 10' X 5/16"	100	81	74
4' X 10' X 3/8"	116	103	96
4' X 10' X 1/2"	144	133	126

**LARGEST  
STOCK OF  
URETHANE  
SHEETING  
IN USA**



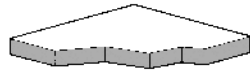
4' X 10' SHEETS



16 Ga. Expanded Metal Back



Fabric Back



Plain Back



16 Ga. Perforated Metal Back



Embedded Ceramic Chip  
16 Ga. Expanded Metal Back

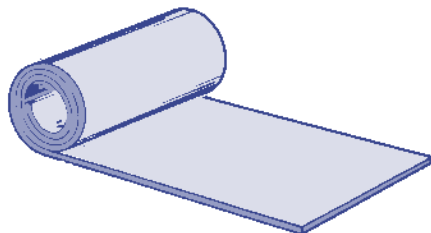
**Sheets: Perforated Metal Back**

SIZE Width X Length X Thickness	Weight (Pounds)
4' X 10' X 1/4"	98
4' X 10' X 5/16"	110
4' X 10' X 3/8"	126

**Sheets: Embedded Ceramic Chip with  
Expanded Metal Back**

SIZE Width X Length X Thickness	Weight (Pounds)
4' X 10' X 1/4"	125
4' X 10' X 5/16"	140
4' X 10' X 3/8"	160
4' X 10' X 1/2"	198

**SAME  
DAY  
SHIPPING  
AVAILABLE**



4' x 50' ROLL STOCK  
CAN BE CUT IN 10' INCREMENTS

**Rolls: Fabric Back or Plain Back**

SIZE Width X Length X Thickness	Weight (Pounds)	
	Fabric	Plain
4' X 50' X 1/8"	N/A	152
4' X 50' X 3/16"	263	228
4' X 50' X 1/4"	339	304
4' X 50' X 5/16"	415	380
4' X 50' X 3/8"	491	456
4' X 50' X 1/2"	644	608

IN STOCK FOR IMMEDIATE SHIPPING  
AVAILABLE THROUGH INDUSTRIAL DISTRIBUTORS, CONTRACTORS, AND ORIGINAL EQUIPMENT MANUFACTURERS



# TAPCO®-THANE SHEETING AND ROLLS

## Technical Specifications:

Tapco-thane is a polyurethane elastomer designed for applications requiring exceptional abrasion resistance. Tapco-thane is molded into sheet form used in material handling. Tapco-thane is recommended for use in grain handling, mining parts, gravel and wood chip applications.

### Hardness:

80-90 Shore A durometer.  
Other durometers available.

### Temperature:

-60°F to +212°F/-51°C to +100°C.

### Flammability Characteristics:

Flash Point:	None	
Melting Point:	400°F	204°C
Decomposition Temperature:	480°F	249°C
ASTM D635 (horizontal burn):	Does not support combustion after removal of flame source.	

### Chemical Properties:

Corrosion Resistance:	Excellent
Resistance to mild acids:	Excellent
Resistance to bases:	Excellent
Resistance to Aliphatic Hydrocarbons:	Excellent

Tapco-thane urethane is not recommended for use in prolonged exposure to steam, aromatic hydrocarbons, ketones, strong acids, or bases.

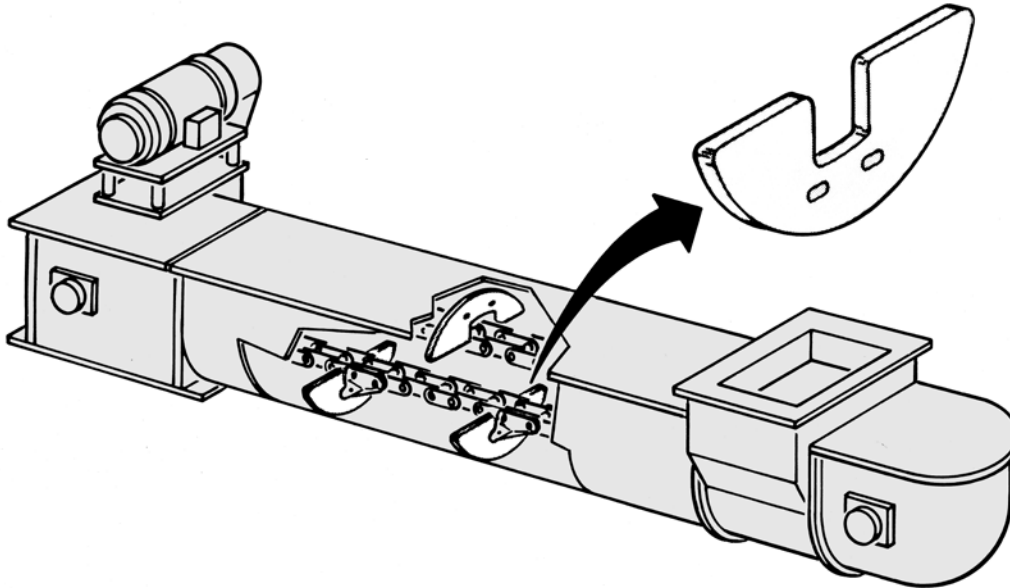
### FDA Compliance:

Tapco-thane urethane liners are cleared under §177.1680 by the FDA for use as a food contact surface in contact with bulk quantities of dry food.

Tapco-thane Polyurethane Liners-Physical Properties			
Property	Unit/%	Typical Value	Test Method
Shore A Hardness	-	85	D2240
100% Modulus	P.S.I	763	D412
	kPa	5,261	
300% Modulus	P.S.I	1,670	D412
	kPa	11,514	
Tensile	P.S.I	5,500	D412
	kPa	37,921	
Elongation	%	551	D412
Tear Strength, Die C	P.L.I	550	D624
	kN/M	97	
Tear	P.L.I	110	D470
	kN/M	19.4	
Bashore Rebound	%	35	D2632
Specific Gravity	-	1.2	D792
Bell Brittle Point, °F (°C)	-	-58 (-50)	D2137
Complies with FDA criteria regulating dry bulk food contact.			

## **DRAG CONVEYOR FLIGHTS**

### **UHMW (Ultra High Molecular Weight) POLYETHYLENE**



#### **FEATURES:**

- **MAXIMUM STRENGTH**- Practically indestructible. Will take more abuse than rubber, nylon, aluminum, neoprene, high density polyethylene, and combination steel with insert flights.
- **HIGH RESISTANCE TO ABRASION**- The most highly abrasion resistant thermoplastic produced today. Will out last all other materials used in conventional flights.
- **FLEXIBLE AND RESILIENT**- Has the ability to “flex and give” tremendously to pass an obstruction, then return to its original shape.
- **LOW COEFFICIENT OF FRICTION**- This means less resistance to the sliding action between the flight and trough. Reduces work loads on drives and motors, while reducing wear on flights and trough.

- **CHEMICALLY INERT**- Impervious to most acids and alkalis. Will not rust or corrode.
- **FDA AND USDA APPROVED**- The white (virgin) UHMW polyethylene meets the requirements of the Food Additives Law and Regulation No. 177.1520. It is ideal for food handling.
- **WIDE TEMPERATURE RANGE**- Operating range from -60°F to +225°F/ -51°C to +107°C continuous. Up to +250°F/ +121°C intermittently.
- **LOW PRODUCT BUILD-UP**- Naturally slick surface resists buildup of moist or sticky products.
- **ECONOMICAL**- Low initial cost plus longer life and less downtime = savings \$\$\$.

**IN STOCK FOR IMMEDIATE SHIPPING**  
**AVAILABLE THROUGH INDUSTRIAL DISTRIBUTORS, CONTRACTORS, AND ORIGINAL EQUIPMENT MANUFACTURERS**

## DRAG CONVEYOR FLIGHTS

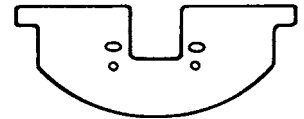
### UHMW (Ultra High Molecular Weight) POLYETHYLENE



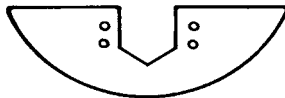
**Screw Conveyor**



**Thomas Conveyor**



**Ehram**



**Essmueller**



**Jeffrey**



**En Masse**

### DRAG CONVEYOR FLIGHTS

SIZE (Length & Thickness) In.	Screw Conveyor Superflow	Essmueller Company Peerless	Thomas Conveyor Fii-Con	Jeffrey Multi-Flow	Ehram Dracon	En Masse	Weight (Approx.) Pounds
6 X 1/4	X			X		X	.06
6 X 5/16	X						.06
6 X 3/8	X		X		X	X	.10
9 X 1/4	X			X		X	.17
9 X 5/16	X						.14
9 X 3/8	X	X		X	X	X	.22
9 X 1/2	X	X	X			X	.29
10 X 3/8				X		X	.29
10 X 1/2				X		X	.36
12 X 3/8	X	X		X	X	X	.38
12 X 1/2	X	X	X			X	.46
14 X 5/16	X						.34
14 X 3/8	X	X		X	X	X	.54
14 X 1/2	X	X				X	.68
16 X 3/8	X	X		X		X	.82
16 X 7/16	X						1.07
16 X 1/2	X	X	X			X	1.04
18 X 3/8	X			X		X	1.27
18 X 1/2	X	X				X	1.60
20 X 1/2		X		X		X	2.47
20 X 5/8			X			X	3.12
24 X 1/2		X		X		X	5.83
24 X 5/8			X			X	7.38

X Indicates available size and thickness, inquire to determine which of the above sizes are stock.

### TECHNICAL INFORMATION:

**STYLE:** Flights are produced to the drag conveyor manufacturer's design.

All edges are square. Beveled edge flights will be quoted on request. Custom round bottom flights are available on special order.

**MATERIAL: Polyethylene:** Virgin UHMW (Ultra high molecular weight). **NOTE:** UHMW has a thickness tolerance of  $\pm 10\%$ . **Nylon:** Impact modified nylon (for use in rough and abrasive, high volume applications). **Urethane:** Thermoplastic urethane (for use in high abrasion and high throughput applications).

**METHOD OF MANUFACTURE:** Machined and/or stamped.

**COLOR:** White.

**TEMPERATURE RANGE:**

**Polyethylene:** -60°F to +200°F/-51°C to +93°C

**Nylon:** -40°F to +275°F/-40°C to +135°C

**Urethane:** -60°F to +212°F/-51°C to +100°C

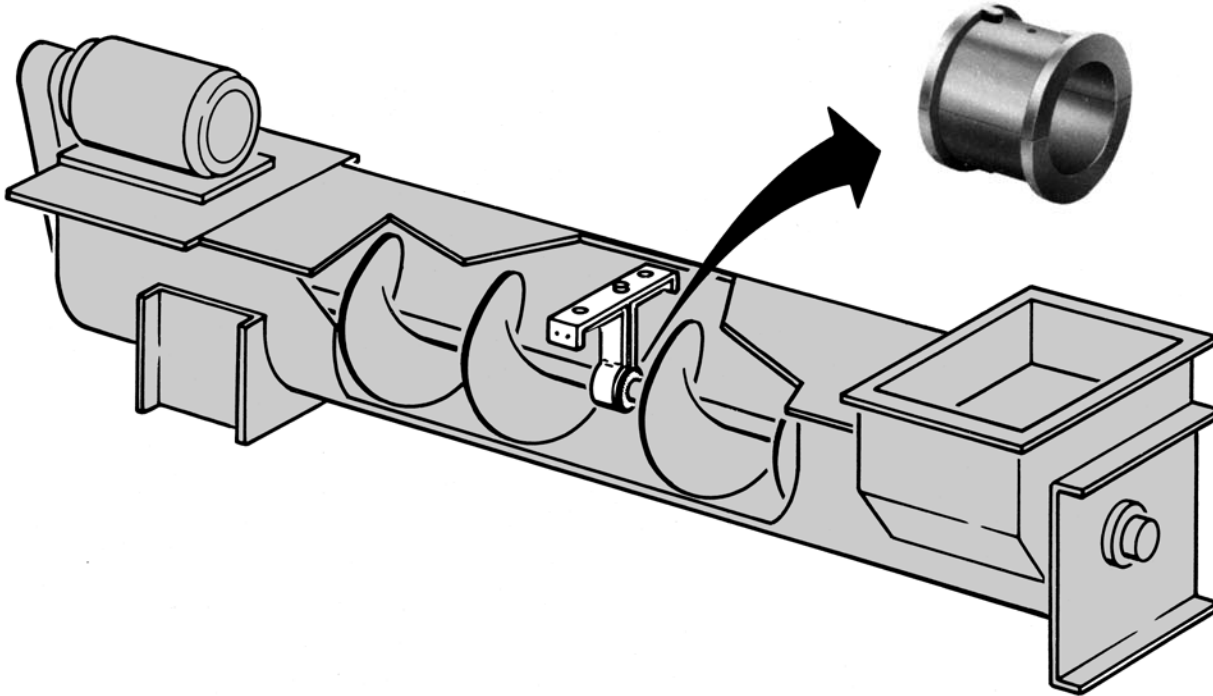
**INTERCHANGEABILITY:** Can be intermixed with existing metal, rubber or plastic flights.

**INSTALLATION: Caution:** Place a flat steel washer on the front side of the flight next to the plastic.

**FDA STATUS:** The white (virgin) UHMW polyethylene meets the requirements of the Food Additives Law and Regulation No. 177.1520. It is ideal for food handling.



## NYLON HANGER BEARINGS FOR SCREW CONVEYOR HANGERS



Molded from  
**NYLATRON®GS**  
(Nylon plus molybdenum disulfide)  
and  
**WHITE 101 NYLON**  
(FDA approved)

IN STOCK FOR IMMEDIATE SHIPPING  
AVAILABLE THROUGH INDUSTRIAL DISTRIBUTORS, CONTRACTORS, AND ORIGINAL EQUIPMENT MANUFACTURERS

## NYLON HANGER BEARINGS

Nylatron® GS Bearings have precise amounts of molybdenum disulfide, a solid lubricant, added to Type 6/6 nylon to produce a moly filled nylon distinguished by its steel gray color and greatly improved bearing characteristics. Available in both Styles A & B. The FDA approved bearings are molded from white 101 nylon for use in the food industry. Available in Style A only.

### LET NYLATRON® GS SMOOTH OUT YOUR OPERATION ... AND AT A SAVINGS!








Normally, with a product or component which brings about an accelerated performance, longer life, or more trouble free operation, the cost is usually justifiably higher than conventional components. . . yet, in the case of Tapco nylon bearings, the initial cost is LESS, or at least comparable to ordinary bearings.

Coupled with this initial economy, numerous other savings are realized through lower maintenance, less wear on coupling shafts and the reduction of profit robbing down time.

Their longer life, corrosion and abrasion resistance, makes them cost effective. Most chemicals fail to impair their smooth operation. There is less heat generated during use, hence, they maintain established fits and running clearances over a greater temperature range.

Lubrication is normally desirable since it will improve the PV (Pressure and Velocity) rating as much as five times. However, the built in lubricant (molybdenum disulfide) is adequate in the event of lubricant failures. Depending upon loads, speeds and materials conveyed, bearings can, and have been, operated successfully with no lubrication.

While the use of Tapco nylon bearings is primarily intended for most conveyor hanger applications involving moderate loads and speeds in temperature ranges of -40°F-to + 250°F / -40°C to + 121°C the unexcelled properties of this material will suggest other applications to the user.

 ECONOMY	 LUBRICITY	 LOW FRICTION	 CHEMICAL RESISTANT	 ABRASION RESISTANT	 WILL NOT CORRODE	 REDUCED WEAR ON COUPLING SHAFT
--	--	---	---	--	---	---



**STYLE A BEARING**  
Molded from Nylatron® GS  
(Color Gray)



**STYLE B BEARING**  
Molded from Nylatron® GS  
(Color Gray)

Shaft Diameter (Inches)	Part Number	Weight (Pounds)
1-1/2	A-24	0.15
2	A-32	0.25
2-7/16	A-39	0.50
3	A-48	0.70
3-7/16	A-55	1.50

Shaft Diameter (Inches)	Part Number	Weight (Pounds)
1-1/2	B-24	0.11
2	B-32	0.21
2-7/16	B-39	0.42
3	B-48	0.47
3-7/16	B-55	1.25

Tapco Style A for hanger frames 26B, 28B, 220, 226 and 228.

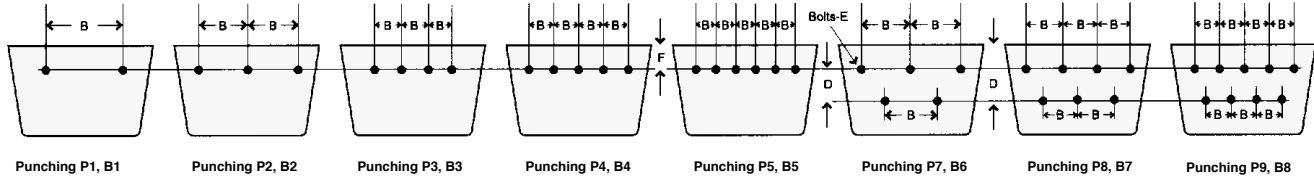
Tapco Style B for hanger frames 19B, 18B, 17B, 217, 218 and 219.

FDA approved white 101 nylon also available in Style "A" only

POLMER CORPORATION®

# BUCKET PUNCHING GUIDE FOR BELTS

Styles **AA** and **AA-RB** Centrifugal Discharge Elevator Buckets

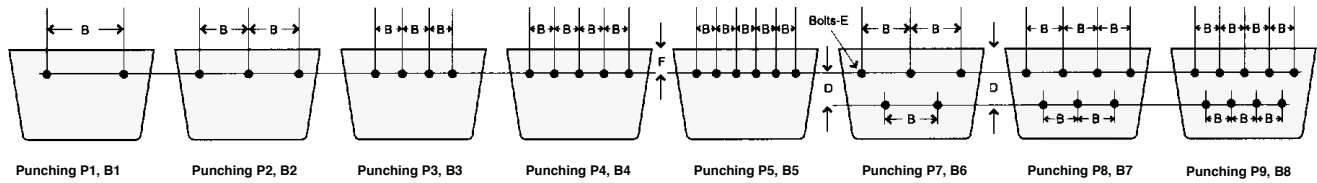


Bucket Length, (Nominal) Inches	Belt Width, Inches	Punching	Inches			
			B	D	E	F
3	4	P1, B1	1-3/8	-	1/4	3/4
4	5	P1, B1	2-5/16	-	1/4	3/4
5	6	P1, B1	3-3/16	-	1/4	1
6	7-8	P1, B1	4-3/8	-	1/4	1
7	8	P2, B2	2-1/2	-	1/4	1
8	9-10	P7, B6	3	1	1/4, 5/16	7/8
9	10	P7, B6	3	1	1/4, 5/16	7/8
10	11-12	P7, B6	3-1/2	1	1/4, 5/16	7/8
11	12	P7, B6	4	1	1/4, 5/16	7/8
12	13-14	P7, B6	4-1/2	1	1/4, 5/16	7/8
13	14	P8, B7	3-1/2	1	5/16	7/8
14	15-16	P8, B7	4	1	5/16	7/8
15	16	P8, B7	4	1	5/16	7/8
16	18	P8, B7	4-1/2	1	5/16	7/8
17	18	P8, B7	4-1/2	1	5/16	7/8
18	20	P8, B7	5	1	5/16	7/8
19	20	P9, B8	4	1	5/16	7/8
20	22	P9, B8	4	1	5/16	7/8
21	22	P9, B8	4-1/2	1	5/16	7/8
22	24	P9, B8	4-1/2	1	5/16	7/8
23	24	P9, B8	5	1	5/16	7/8
24	26	P9, B8	5	1	5/16	7/8

For installations have dimensions certified by Tapco.

# BUCKET PUNCHING GUIDE FOR BELTS

Styles, LF, MF, HF and HFO Continuous Discharge Elevator Buckets

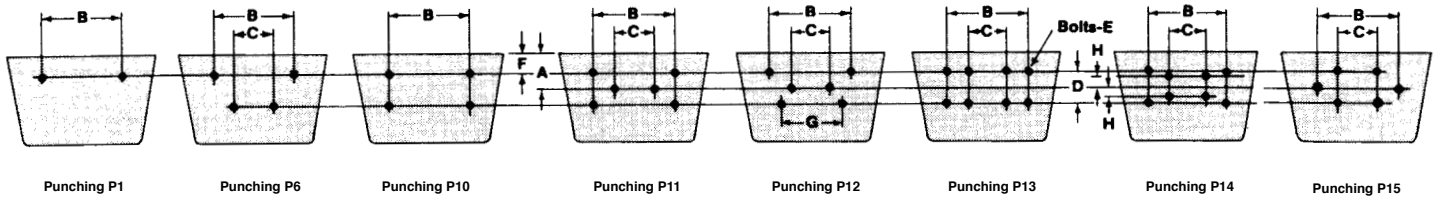


Bucket Size, (Nominal) Inches			Belt Width, Inches	Punching	Inches			
Length	Projection	Depth			B	D	E	F
8	5	7-3/4	9-10	P7, B6	3	1	1/4, 5/16	3-3/8
8	5	8-1/2	9-10	P7, B6	3	1	1/4, 5/16	3-3/4
9	6	9-1/4	0	P7, B6	3	1	1/4, 5/16	4-1/8
10	5	7-3/4	11-12	P7, B6	3-1/2	1	1/4, 5/16	3-3/8
10	5	8-1/2	11-12	P7, B6	3-1/2	1	1/4, 5/16	3-3/4
10	6	9-1/4	11-12	P7, B6	3-1/2	1	1/4, 5/16	4-1/8
10	6	10	11-12	P7, B6	3-1/2	1	1/4, 5/16	4-1/2
10	7	11-5/8	11-12	P7, B6	3-1/2	1	1/4, 5/16	5-5/16
10	7	12-1/2	11-12	P7, B6	3-1/2	1	1/4, 5/16	5-3/4
10	8	11-5/8	11-12	P7, B6	3-1/2	1	1/4, 5/16	5-5/16
11	6	9-1/4	12	P7, B6	4	1	1/4, 5/16	4-1/8
12	5	7-3/4	13-14	P7, B6	4-1/2	1	1/4, 5/16	3-3/8
12	6	9-1/4	13-14	P7, B6	4-1/2	1	1/4, 5/16	4-1/8
12	6	10	13-14	P7, B6	4-1/2	1	1/4, 5/16	4-1/2
12	7	11-5/8	13-14	P7, B6	4-1/2	1	1/4, 5/16	5-5/16
12	7	11-3/4	13-14	P7, B6	4-1/2	1	1/4, 5/16	5-3/8
12	7	12-1/2	13-14	P7, B6	4-1/2	1	1/4, 5/16	5-3/4
12	8	11-5/8	13-14	P7, B6	4-1/2	1	1/4, 5/16	5-5/16
12	8	12-1/2	13-14	P7, B6	4-1/2	1	1/4, 5/16	5-3/4
14	7	11-5/8	15-16	P8, B7	4	1	5/16	5-5/16
14	7	12-1/2	15-16	P8, B7	4	1	5/16	5-3/4
14	8	11-5/8	15-16	P8, B7	4	1	5/16	5-5/16
14	8	11-3/4	15-16	P8, B7	4	1	5/16	5-3/8
14	8	12-1/2	15-16	P8, B7	4	1	5/16	5-3/4
16	7	11-3/4	18	P8, B7	4-1/2	1	5/16	5-3/8
16	8	11-5/8	18	P8, B7	4-1/2	1	5/16	5-5/16
16	8	12-1/2	18	P8, B7	4-1/2	1	5/16	5-3/4
16	12	17-5/8	18	P8, B7	4-1/2	1	5/16	8-5/16
16	12	18-5/8	18	P8, B7	4-1/2	1	5/16	8-13/16
18	8	11-5/8	20	P8, B7	5	1	5/16	5-5/16
18	10	15	20	P8, B7	5	1	5/16	7
20	8	11-5/8	22	P9, B8	4	1	5/16	5-5/16
20	12	17-5/8	22	P9, B8	4	1	5/16	8-5/16
20	12	18-5/8	22	P9, B8	4	1	5/16	8-13/16
24	10	11-5/8	26	P9, B8	5	1	5/16	5-5/16
24	12	17-5/8	26	P9, B8	5	1	5/16	8-5/16
24	12	18-5/8	26	P9, B8	5	1	5/16	8-13/16

For installations have dimensions certified by Tapco .

# BUCKET PUNCHING GUIDE FOR CHAINS

## Centrifugal Discharge Elevator Buckets on "K" Attachments



Chain Attachment Number	Bucket Size, Nominal (Inches)						Punching	Inches							
	Types AA, AA-RB		Type AC		Type SC			A	B	C	D	E	F	G	H
	Min.	Max.	Min.	Max.	Min.	Max.									
SS 39-K1	6 X 4	12 X 6	----	----	8 X 6	12 X 8	P1	----	3-3/4	----	----	1/2	1-1/2	----	----
SS 39-K2	6 X 4	12 X 6	----	----	8 X 6	12 X 8	P10	----	3-31/32	----	1-7/8	5/16	7/8	----	----
42-K1	6 X 4	6 X 4	----	----	----	----	P1	----	2	----	----	3/16	1/2	----	----
45-K1	6 X 4	6 X 4	----	----	----	----	P1	----	2	----	----	3/16	1/2	----	----
52-K1	6 X 4	8 X 5	----	----	8 X 6	8 X 6	P1	----	2-3/8	----	----	3/16	1/2	----	----
55-K1	6 X 4	6 X 4	----	----	----	----	P1	----	2	----	----	3/16	1/2	----	----
C55-K1	6 X 4	6 X 4	----	----	----	----	P1	----	2	----	----	1/4	1/2	----	----
57-K1	6 X 4	10 X 6	----	----	8 X 6	10 X 8	P1	----	3	----	----	1/4	1/2	----	----
C 60-K1	6 X 4	10 X 6	----	----	8 X 6	10 X 8	P1	----	3	----	----	5/16	3/4	----	----
H 60-K1	6 X 4	10 X 6	----	----	8 X 6	10 X 8	P1	----	3	----	----	5/16	3/4	----	----
*62-K1	6 X 4	8 X 5	----	----	8 X 6	8 X 6	P1	----	2-3/8	----	----	1/4	1	----	----
67-K1	6 X 4	10 X 6	----	----	8 X 6	10 X 8	P1	----	3	----	----	1/4	1	----	----
H 74-K1	6 X 4	10 X 6	----	----	8 X 6	10 X 8	P1	----	2-7/8	----	----	5/16	3/4	----	----
75-K1	6 X 4	10 X 6	----	----	8 X 6	10 X 8	P1	----	2-13/16	----	----	1/4	1	----	----
H75-K1	6 X 4	10 X 6	----	----	8 X 6	10 X 8	P1	----	2-13/16	----	----	5/16	1	----	----
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	3/4	----	----
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	5/8	----	----
H 79-K1	6 X 4	12 X 6	----	----	8 X 6	12 X 8	P1	----	4	----	----	3/8	1	----	----
H 82-K1	8 X 5	12 X 6	----	----	8 X 6	12 X 8	P1	----	4-3/16	----	----	3/8	1	----	----
H 82-K2	8 X 5	14 X 7	----	----	8 X 6	14 X 8	P10	----	4-1/4	----	1-5/16	3/8	3/4	----	----
88-K1	6 X 4	12 X 6	----	----	8 X 6	12 X 8	P1	----	3-13/16	----	----	5/16	3/4	----	----
95-K2	8 X 5	16 X 7	----	----	8 X 6	16 X 8	P10	----	5-3/16	----	1-3/4	3/8	3/4	----	----
SS 96-K2	10 X 6	14 X 8	----	----	10 X 8	14 X 8	P10	----	4-3/8	----	3	1/2	1-3/8	----	----
C 102B-K2	8 X 5	16 X 7	----	----	8 X 6	16 X 8	P10	----	5-5/16	----	1-3/4	3/8	3/4	----	----
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	3/4	----	----
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	3/4	----	----
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	3/4	----	----
103-K1	8 X 5	12 X 6	----	----	8 X 6	12 X 8	P1	----	4-3/16	----	----	3/8	1	----	----
103-K2	6 X 4	12 X 6	----	----	8 X 6	12 X 8	P10	----	4-1/8	----	1-1/2	1/2	3/4	10-15/16	----
C 110-K2	8 X 5	16 X 8	----	----	8 X 6	16 X 8	P10	----	5-5/16	----	1-3/4	3/8	7/8	10-15/16	----
SS 110-K2	8 X 5	16 X 8	----	----	8 X 6	16 X 8	P10	----	5-5/16	----	1-3/4	3/8	3/4	----	----
C 111-K2	9 X 6	18 X 8	----	----	10 X 8	16 X 8	P10	----	6-1/4	----	2-5/16	1/2	3/4	----	----
SS 111-K2	10 X 6	18 X 8	----	----	10 X 8	16 X 8	P10	----	6-1/4	----	2-5/16	1/2	3/4	----	----
SS 111-K2	----	----	12 X 8	12 X 8	----	----	P10	5-1/4	6-1/4	----	2-5/16	1/2	4-1/8	----	----
124-K1	10 X 6	18 X 8	----	----	10 X 8	16 X 8	P1	----	6	----	----	5/8	1-1/4	----	----
124-K2	8 X 5	16 X 7	----	----	8 X 6	16 X 8	P10	----	5-1/4	----	1-15/16	3/8	7/8	----	----
H 124-K2	8 X 5	16 X 7	----	----	8 X 6	16 X 8	P10	----	5-1/4	----	1-15/16	3/8	7/8	----	----
C 131-K1	8 X 5	12 X 6	----	----	8 X 6	12 X 8	P1	----	4-1/8	----	----	3/8	1	----	----
C 131-K2	8 X 5	12 X 6	----	----	8 X 6	12 X 8	P10	----	4-1/8	----	1-1/2	1/2	1	----	----
SS 131-K2	8 X 5	12 X 6	----	----	8 X 6	12 X 8	P10	----	4-1/8	----	1-1/2	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	----	----

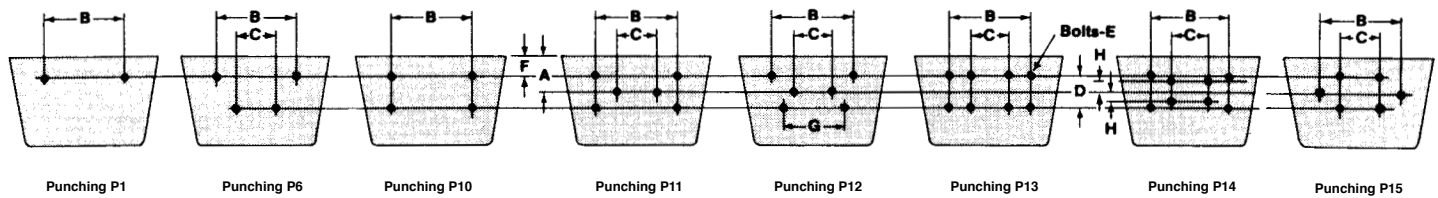
For installations have dimensions certified by Tapco.

\* For 62-K1 Steel Attachment, consult Tapco, Inc.



# BUCKET PUNCHING GUIDE FOR CHAINS

## Centrifugal Discharge Elevator Buckets on "K" Attachments (Continued)

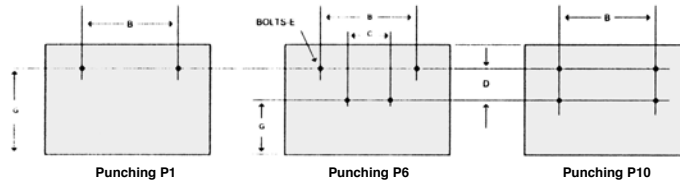


Chain Attachment Number	Bucket Size, Nominal						Punching	Inches							
	Types AA, AA-RB		Type AC		Type SC			A	B	C	D	E	F	G	H
	Min.	Max.	Min.	Max.	Min.	Max.									
145-K1	6 X 4	6 X 4	----	----	----	----	P1	----	2	----	----	3/16	5/8	----	----
145-K1	12 X 6	20 X 8	----	----	12 X 8	16 X 8	P10	----	7-1/2	----	2-3/4	1/2	1	----	----
SS 150 PLUS-K2	----	----	12 X 8	16 X 8	----	----	P10	----	7-1/2	----	2-3/4	1/2	3-7/8	----	----
SS 150 PLUS-K2	----	----	18 X 10	18 X 10	----	----	P10	----	7-1/2	----	2-3/4	1/2	5-1/8	----	----
SS 150 PLUS-K2	----	----	16 X 8	16 X 8	----	----	P15	5-1/4	11-1/2	7-1/2	2-3/4	1/2	3-7/8	----	----
SS 150 PLUS-K2	----	----	18 X 10	24 X 10	----	----	P15	6-1/2	11-1/2	7-1/2	2-3/4	1/2	5-1/8	----	----
188-K1	6 X 4	12 X 6	----	----	8 X 6	12 X 8	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	3/4	----	----
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	3/4	----	----
SS 244-K2	10 X 6	18 X 10	----	----	10 X 8	16 X 8	P6	----	6	4-7/8	2-3/4	1/2	1	----	----
445-K1	6 X 4	6 X 4	----	----	----	----	P1	----	2-1/16	----	----	3/16	5/8	----	----
452-K1	6 X 4	6 X 4	----	----	----	----	P1	----	2-1/16	----	----	3/16	3/4	----	----
455-K1	6 X 4	6 X 4	----	----	----	----	P1	----	2	----	----	1/4	3/4	----	----
462-K1	6 X 4	8 X 5	----	----	8 X 6	8 X 6	P1	----	2-3/8	----	----	1/4	3/4	----	----
467-K1	6 X 4	10 X 6	----	----	8 X 6	10 X 8	P1	----	3	----	----	1/4	3/4	----	----
477-K1	6 X 4	10 X 6	----	----	8 X 6	10 X 8	P1	----	3	----	----	1/4	1	----	----
483-K1	6 X 4	10 X 6	----	----	8 X 6	10 X 8	P1	----	3-1/4	----	----	1	1	----	----
488-K1	6 X 4	12 X 6	----	----	8 X 6	12 X 8	P1	----	3-13/16	----	----	1	1	----	----
488-K2	6 X 4	12 X 6	----	----	8 X 6	12 X 8	P10	----	3-5/8	----	1-1/4	3/4	3/4	----	----
710-K2	10 X 6	18 X 8	----	----	10 X 8	16 X 8	P10	----	6-1/4	----	2-5/16	3/4	3/4	----	----
730-K2	10 X 6	18 X 10	----	----	10 X 8	16 X 8	P10	----	6	----	2-5/8	1/2	1	----	----
823-K2	8 X 5	16 X 7	----	----	8 X 6	16 X 8	P10	----	5-1/4	----	1-11/16	3/8	3/4	----	----
825-K2	10 X 6	18 X 8	----	----	10 X 8	16 X 8	P10	----	6	----	2-5/8	1/2	3/4	----	----
830-K2	10 X 6	18 X 10	----	----	10 X 8	16 X 8	P10	----	6	----	2-5/8	1/2	7/8	----	----
847-K2	14 X 7	24 X 8	----	----	14 X 8	16 X 8	P6	----	9-3/4	8-5/8	3-1/2	3/4	1-1/4	----	----
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-K2	----	----	12 X 8	16 X 8	----	----	P10	5-1/4	6-5/16	----	2-1/4	1/2	4-1/8	----	----
SS 856-K2	----	----	18 X 10	24 X 10	----	----	P10	6-1/2	6-5/16	----	2-1/4	1/2	5-3/8	----	----
SS 856-K3	----	----	16 X 8	16 X 8	----	----	P12	5-1/4	12-1/16	6-9/16	2-3/4	1/2	3-7/8	10-15/16	----
SS 856-K3	----	----	18 X 10	24 X 10	----	----	P12	6-1/2	12-1/16	6-9/16	2-3/4	1/2	5-1/8	10-15/16	----
SS 856-K24	----	----	12 X 8	16 X 8	----	----	P10	----	7-1/4	----	2-1/2	5/8	4	----	----
SS 856-K24	----	----	18 X 10	24 X 10	----	----	P10	----	7-1/4	----	2-1/2	5/8	5-1/4	----	----
SS 856-K35	----	----	16 X 8	16 X 8	----	----	P11	5-1/4	11-3/4	7-1/4	2-1/2	5/8	4	----	----
SS 856-K35	----	----	18 X 10	24 X 10	----	----	P11	6-1/2	11-3/4	7-1/4	2-1/2	5/8	5-1/4	----	----
SS 1116-K2	6 X 4	12 X 7	----	----	8 X 6	12 X 8	P10	----	4	----	2	5/8	5/8	----	----
1130-K2	10 X 6	18 X 10	----	----	10 X 8	16 X 8	P10	----	6	----	2-5/8	1/2	1	----	----
1131-K2	10 X 6	18 X 10	----	----	10 X 8	16 X 8	P10	----	6	----	2-5/8	1/2	1	----	----
SS 2857-K44	----	----	18 X 10	24 X 10	----	----	P13	----	12	7	3-1/2	1/2	4-3/4	----	----
SS 2859-K44	----	----	18 X 10	24 X 10	----	----	P14	6-5/8	13	9	4-1/2	5/8	4-3/8	----	1-3/8
SS 2864-K44	----	----	27 X 12	27 X 12	----	----	P14	7-1/8	13	9	5-1/2	5/8	4-3/8	----	1-7/8
LXS 4019-K1	6 X 4	10 X 6	----	----	8 X 6	10 X 8	P1	----	2-3/4	----	----	3/8	1-3/8	----	----
LXS 4019-K2	6 X 4	10 X 6	----	----	8 X 6	10 X 8	P10	----	2-3/4	----	1-1/2	3/8	5/8	----	----
4103-K1	8 X 5	12 X 6	----	----	8 X 6	12 X 8	P1	----	4-3/16	----	----	3/8	1	----	----
4103-K2	8 X 5	12 X 6	----	----	8 X 6	12 X 8	P10	----	4-1/8	----	1-1/2	1/2	1	----	----
4124-K1	10 X 6	18 X 8	----	----	10 X 8	16 X 8	P1	----	6	----	----	5/8	1-1/2	----	----
4124-K2	8 X 5	16 X 7	----	----	8 X 6	16 X 8	P10	----	5	----	1-13/16	3/8	1	----	----
LXS 6238-K2	8 X 5	14 X 8	----	----	8 X 6	14 X 8	P10	----	4-1/4	----	2-5/8	1/2	1-5/8	----	----

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# BUCKET PUNCHING GUIDE FOR CHAINS

## Continuous Discharge Elevator Buckets on "K" Attachments

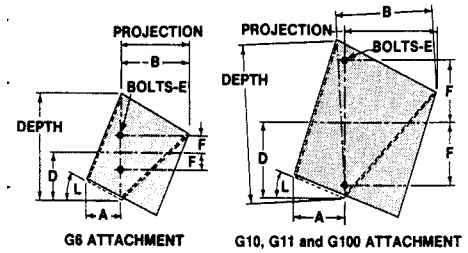


Chain Attachment Number	Bucket Size, Nominal								Punching	Inches				
	Types HF		Type HFO		Type MF		Type LF			B	C	D	E	G
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.						
C 102B-K2	8 X 5	10 X 5	8 X 5	10 X 5	8 X 5	10 X 5	----	----	P10	5-5/16	----	1-3/4	3/8	1-7/8
SS 102B-K2	8 X 5	10 X 5	8 X 5	10 X 5	8 X 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	16 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	16 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	10 X 7	16 X 8	10 X 7	16 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	10 X 7	16 X 8	10 X 7	16 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	10 X 7	16 X 8	10 X 7	16 X 8	P10	6-5/16	----	2-1/4	3/8	3-1/8

## Continuous Discharge Elevator Buckets on "G" Attachments

### STYLE SUPER CAPACITY (SC)

Chain Attachment Number	Bucket Size, Inches		Inches					L°
	Proj.	Depth	A	B	D	E	F	
SS 4850-G6	8-3/4	11-5/8	4-9/16	8-3/4	5-1/4	3/4	1-7/8	28° 30'
SS 4851-G10	12	17-3/8	6-1/2	12-7/16	7-1/8	1/2	4-1/2	22°
SS 4852-G10	12	17-3/8	6-1/2	12-7/16	7-1/8	1/2	4-1/2	22°
SS 4851-G11	12	17-3/8	6-1/2	12-7/16	8-1/2	5/8	4-1/2	22°
SS 4852-G11	12	17-3/8	6-1/2	12-7/16	8-1/2	5/8	4-1/2	22°
SS 4851-G100	12	17-3/8	6-1/2	12-7/16	8-1/2	5/8	7	22°
SS 4852-G100	12	17-3/8	6-1/2	12-7/16	8-1/2	5/8	7	22°

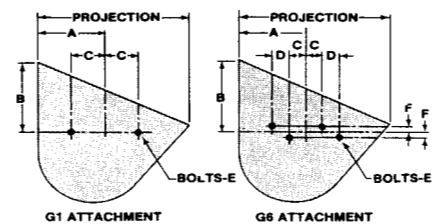


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## Centrifugal Discharge Elevator Buckets on "G" Attachments

### STYLE AA

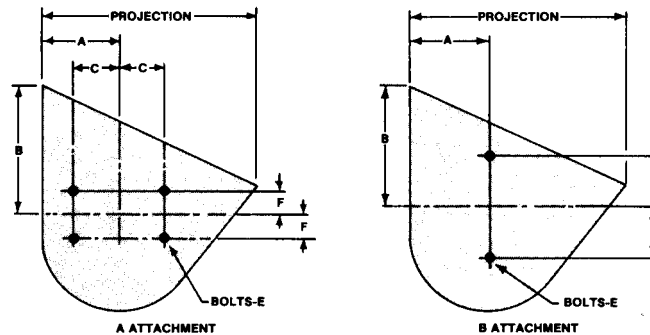
Bucket Projection (Nominal) Inches	Bucket Size, Inches		Chain Attachment Number	Min. Projection Inches	Inches			
	A	B			C	D	E	F
4	1-5/8	2-1/8	45-G1	4	11/32	----	3/16	----
5	2	2-5/8	52-G1	4	17/32	----	3/16	----
6	2-5/8	3-1/8	62-G1	5	1	----	1/4	----
7	2-1/2	3-3/4	77-G6	6	5/8	9/16	1/4	1/4
8	2-5/8	4-7/8	H78-G1	6	1-5/16	----	1/4	----
	3-3/4	5-3/8	88-G6	6	7/8	21/32	1/4	9/32
10			C102B-G6	10	1-1/16	11/16	3/8	7/16
			C110-G6	10	1-1/16	11/16	3/8	7/16
			C111-G6	10	1-1/16	11/16	3/8	15/32
			C111SP-G6	10	1-1/16	11/16	3/8	15/32
			C131-G6	6	27/32	11/16	3/8	9/32
			C188-G6	6	27/32	11/16	1/4	9/32
			462-G1	5	1	----	1/4	----
			477-G1	6	1-5/16	----	5/16	----
			488-G6	6	27/32	11/16	1/4	9/32
			730-G6	10	1-3/4	----	3/8	5/8
			825-G6	10	1-3/4	----	3/8	5/8
			830-G6	10	1-3/4	----	3/8	5/8
			4103-G6	6	27/32	11/16	3/8	9/32



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# BUCKET PUNCHING GUIDE FOR CHAINS

Centrifugal Discharge Elevator Buckets on "A & B" Wing Attachments  
 Styles **AA** and **SC**



## STYLE AA and SUPER CAPACITY (SC)

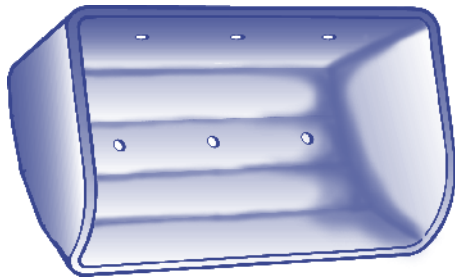
Wing Number	Bucket Projection (Nominal) Inches	Inches						
		Type AA		Type SC		C	E	F
		A	B	A	B			
2A	10	3-3/4	5-3/8	----	----	2	1/2	1-5/8
3A	10	3-3/4	5-3/8	----	----	2	1/2	1-5/8
4A	10	3-3/4	5-3/8	----	----	2	1/2	1-5/8
5A	5	----	----	----	----	1-3/8	5/16	11/16
	5-1/2	----	----	----	----	1-3/8	5/16	11/16
	6	2-1/2	3-1/2	2-1/2	2-3/4	1-3/8	5/16	11/16
	6-1/2	----	----	----	----	1-3/8	5/16	11/16
6A	7	2-1/2	4	----	----	1-3/8	5/16	11/16
	7	2-5/8	4	----	----	1-11/16	3/8	5/8
	8	3	4-1/2	3	3-3/4	1-11/16	3/8	5/8
7A	7	2-5/8	4	----	----	2	3/8	1-1/8
	8	3	4-1/2	----	----	2	3/8	1-1/8
	10	3-3/4	5-3/8	3	3-3/4	2	3/8	1-1/8
30A	10	3-3/4	5-3/8	----	----	2	1/2	1-3/4
37A	4-1/2	----	----	----	----	1-1/4	5/16	9/16
	5	----	----	----	----	1-1/4	5/16	9/16
	5-1/2	----	----	----	----	1-1/4	5/16	9/16
	6	2-1/2	3-1/4	2-1/2	2-3/4	1-1/4	5/16	9/16
	6-1/2	----	----	----	----	1-1/4	5/16	9/16
39A	7	2-1/2	4	----	----	1-1/4	5/16	9/16
	4-1/2	----	----	----	----	1-1/16	5/16	11/16
	5	2	2-3/4	----	----	1-1/16	5/16	11/16
	5-1/2	----	----	----	----	1-1/16	5/16	11/16
	6	2-1/4	3-1/4	2-1/2	2-3/4	1-1/16	5/16	11/16
1B	6-1/2	----	----	----	----	1-1/16	5/16	11/16
	7	2-1/2	4	----	----	1-1/16	5/16	11/16
	7	2-1/2	4	----	----	1-1/16	5/16	11/16
2B	8	2-5/8	4-1/2	3	3-3/4	1-1/16	5/16	11/16
	10	3-3/4	5-3/8	----	----	1-1/16	5/16	11/16
	3-1/2	----	----	----	----	1-1/16	5/16	11/16
	4	1-1/12	2-3/8	----	----	1-1/16	5/16	11/16
	4-1/2	----	----	----	----	1-1/16	5/16	11/16
2B	5	2	2-3/4	----	----	1-1/16	5/16	11/16
	5-1/2	----	----	----	----	1-1/16	5/16	11/16
	5-1/2	----	----	----	----	1-1/16	5/16	11/16

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## VENTED ELEVATOR BUCKETS FOR STYLE CC-HD, CC-XD & U-HD AGRICULTURAL BUCKETS AVAILABLE IN FIVE STANDARD PATTERNS

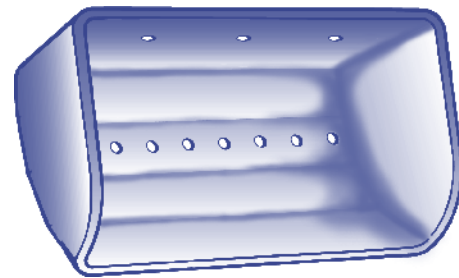
A vented bucket can improve the efficiency of some bucket elevators when handling certain products. On **dense materials** such as flour, meals and mash feeds, the vents allow air to escape through the cup as it fills, which permits the cup to fill more completely. During discharge air can return through the cups as it empties, thus preventing a vacuum that could hold some of the product in the cup and cause backlegging. On extremely **light materials** such as alfalfa meal, screenings and bran, a vented bucket not only minimizes blowing of the product during loading and discharge, but also reduces air turbulence in the leg as the bucket travels empty down the return side of the elevator. A reduction in air currents minimizes the vacuum which can draw a light product through the down leg and back to the boot.

Tapco has five standard patterns available which offer varying amounts of air release for the handling of most products. Special patterns and hole diameters will be quoted upon request. NOTE: Most steel bucket manufacturers use vent holes with 1/8" to 5/32" diameters. These small holes, if used in the Tapco nonmetallic bucket, would soon become clogged with product due to our thick wall sections. For this reason our standard vent diameters are 9/32" and 11/32". NOTE: For extremely flowable materials, (Rapeseed, etc.) contact Tapco for venting recommendations.



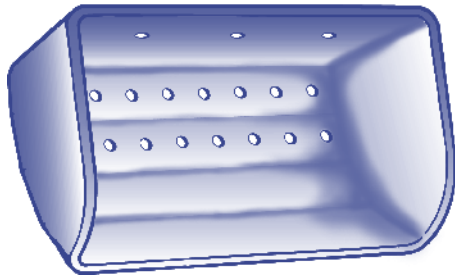
**Vent Pattern 1**

Same hole diameter, centers, and number of holes in body as mounting holes in back.



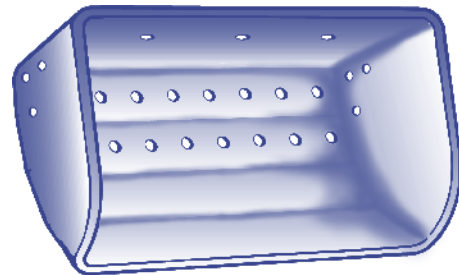
**Vent Pattern 2**

One row of 9/32" or 11/32" holes in body on 1-1/8" centers.



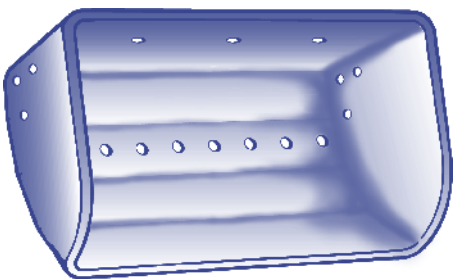
**Vent Pattern 3**

Two rows of 9/32" or 11/32" holes in body on 1-1/8" centers.



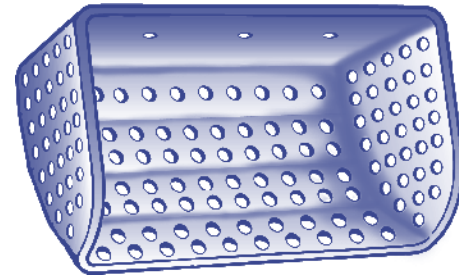
**Vent Pattern 4**

Two rows of 9/32" or 11/32" holes in body on 1-1/8" centers, three holes each end.



**Vent Pattern 5**

One row of 9/32" or 11/32" holes in body on 1-1/8" centers, three holes each end.



**Custom Venting**

Any number of rows of holes in body, extending all the way up to the front lip if desired. Ends can be vented with a few holes, or totally vented as shown. Hole diameters from 1/8" through 17/32". Contact Tapco for venting recommendations.

# VENTING TABLE

## STYLE CC-HD & CC-XD BUCKETS

SIZE (Nominal) Millimeter	SIZE (Nominal) Inches	Vent Pattern 1 *		Vent Pattern 2 *		Vent Pattern 3 *		Vent Pattern 4 *			Vent Pattern 5 *		
		Hole Diameter Inches	Number of Holes in Body	Hole Diameter Inches	Number of Holes in Body	Hole Diameter Inches	Number of Holes in Body	Hole Diameter Inches	Number of Holes in Body	Number of Holes Each End	Hole Diameter Inches	Number of Holes in Body	Number of Holes Each End
80-60	3 X 2	9/32	2	9/32	3	9/32	6	9/32	6	1	9/32	3	1
120-80	4 X 3	9/32	2	9/32	3	9/32	6	9/32	6	1	9/32	3	1
140-120	5 X 4	9/32	2	9/32	4	9/32	8	9/32	8	3	9/32	4	3
160-120	6 X 4	9/32	2	9/32	4	9/32	8	9/32	8	3	9/32	4	3
180-120	7 X 4	9/32	3	9/32	6	9/32	12	9/32	12	3	9/32	6	3
160-140	6 X 5	9/32	2	9/32	4	9/32	8	9/32	8	3	9/32	4	3
180-140	7 X 5	9/32	3	9/32	6	9/32	12	9/32	12	3	9/32	6	3
200-140	8 X 5	9/32	3	9/32	6	9/32	12	9/32	12	3	9/32	6	3
230-140	9 X 5	9/32	3	9/32	6	9/32	12	9/32	12	3	9/32	6	3
260-140	10 X 5	9/32	3	9/32	8	9/32	16	9/32	16	3	9/32	8	3
280-140	11 X 5	9/32	4	9/32	8	9/32	16	9/32	16	3	9/32	8	3
300-140	12 X 5	9/32	4	9/32	10	9/32	20	9/32	20	3	9/32	10	3
200-160	8 X 6	9/32	3	9/32	6	9/32	12	9/32	12	3	9/32	6	3
230-160	9 X 6	9/32	3	9/32	6	9/32	12	9/32	12	3	9/32	6	3
260-160	10 X 6	9/32	3	9/32	8	9/32	16	9/32	16	3	9/32	8	3
280-160	11 X 6	9/32	4	9/32	8	9/32	16	9/32	16	3	9/32	8	3
300-160	12 X 6	9/32	4	9/32	10	9/32	20	9/32	20	3	9/32	10	3
330-160	13 X 6	9/32	4	9/32	10	9/32	20	9/32	20	3	9/32	10	3
350-160	14 X 6	9/32	5	9/32	12	9/32	24	9/32	24	3	9/32	12	3
260-180	10 X 7	11/32	3	11/32	8	11/32	16	11/32	16	3	11/32	8	3
280-180	11 X 7	11/32	4	11/32	8	11/32	16	11/32	16	3	11/32	8	3
300-180	12 X 7	11/32	4	11/32	10	11/32	20	11/32	20	3	11/32	10	3
330-180	13 X 7	11/32	4	11/32	10	11/32	20	11/32	20	3	11/32	10	3
350-180	14 X 7	11/32	5	11/32	12	11/32	24	11/32	24	3	11/32	12	3
370-180	15 X 7	11/32	5	11/32	12	11/32	24	11/32	24	3	11/32	12	3
400-180	16 X 7	11/32	6	11/32	12	11/32	24	11/32	24	3	11/32	12	3
450-180	18 X 7	11/32	6	11/32	14	11/32	28	11/32	28	3	11/32	14	3
500-180	20 X 7	11/32	6	11/32	16	11/32	32	11/32	32	3	11/32	16	3

## STYLE CC-HD & CC-XD "SUPER CAPACITY" BUCKETS

260-215	10 X 8	11/32	3	11/32	8	11/32	16	11/32	16	3	11/32	8	3
280-215	11 X 8	11/32	4	11/32	8	11/32	16	11/32	16	3	11/32	8	3
300-215	12 X 8	11/32	4	11/32	10	11/32	20	11/32	20	3	11/32	10	3
330-215	13 X 8	11/32	4	11/32	10	11/32	20	11/32	20	3	11/32	10	3
350-215	14 X 8	11/32	5	11/32	12	11/32	24	11/32	24	3	11/32	12	3
370-215	15 X 8	11/32	5	11/32	12	11/32	24	11/32	24	3	11/32	12	3
400-215	16 X 8	11/32	6	11/32	12	11/32	24	11/32	24	3	11/32	12	3
450-215	18 X 8	11/32	6	11/32	14	11/32	28	11/32	28	3	11/32	14	3
500-215	20 X 8	11/32	6	11/32	16	11/32	32	11/32	32	3	11/32	16	3
400-250	16 X 9	11/32	6	11/32	12	11/32	24	11/32	24	3	11/32	12	3
500-250	20 X 9	11/32	6	11/32	16	11/32	32	11/32	32	3	11/32	16	3
500-260	20 X 10	13/32	6	13/32	16	13/32	32	13/32	32	3	13/32	16	3

## STYLE U-HD BUCKETS fit Universal Industries Elevators

① 120-80	4 X 3	9/32	2	9/32	3	9/32	6	9/32	6	1	9/32	3	1
160-120	6 X 4	9/32	2	9/32	4	9/32	8	9/32	8	3	9/32	4	3
180-120	7 X 4-1/2	9/32	3	9/32	6	9/32	12	9/32	12	3	9/32	6	3
230-150	9 X 5-1/2	9/32	4	9/32	6	9/32	12	9/32	12	3	9/32	6	3
280-150	11 X 5-1/2	9/32	5	9/32	8	9/32	16	9/32	16	3	9/32	8	3
450-150	18 X 5-1/2	9/32	7	9/32	14	9/32	28	9/32	28	3	9/32	14	3
500-150	20 X 5-1/2	9/32	7	9/32	16	9/32	32	9/32	32	3	9/32	16	3
280-180	11 X 7	9/32	4	11/32	8	11/32	16	11/32	16	3	11/32	8	3

\* Patterns 1, 2, 3, 4, & 5 are drilled with the same diameter holes as the mounting holes on the back. Vent hole diameters will vary with drilling specifications.

Contact Tapco Inc. for venting recommendations or special patterns. ① Universal refers to this bucket as 3-3/4 X 3 in fabricated steel, the buckets are completely interchangeable.

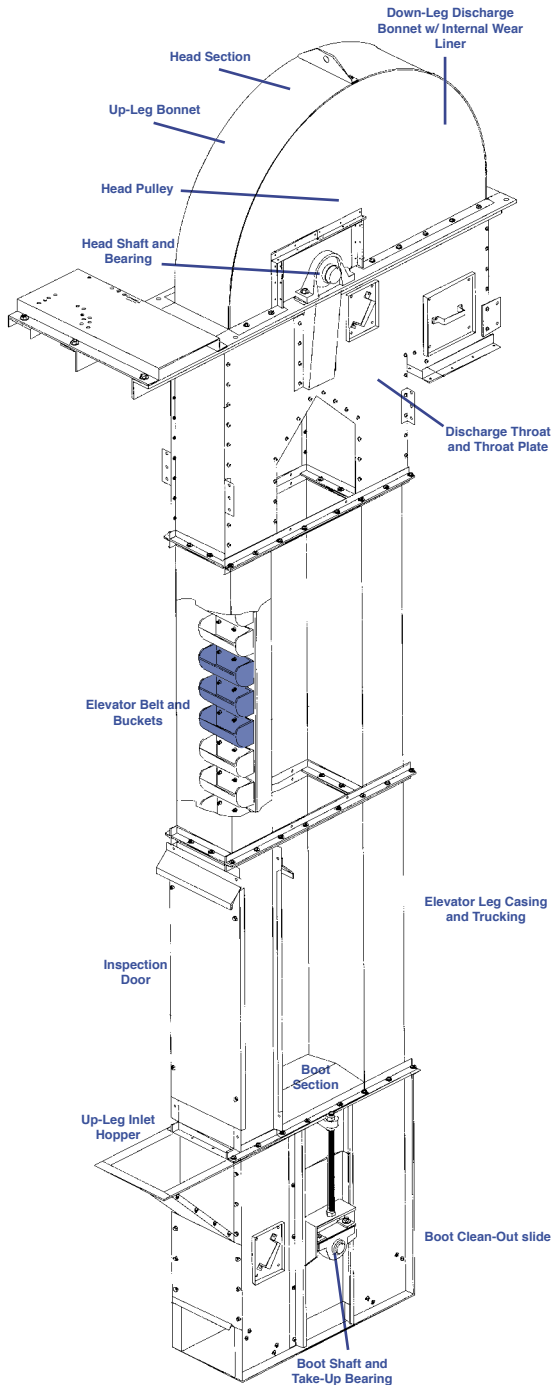
# BUCKET ELEVATOR SPECIFICATION FORM

## 1 OF 2

Company: \_\_\_\_\_ Contact: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_



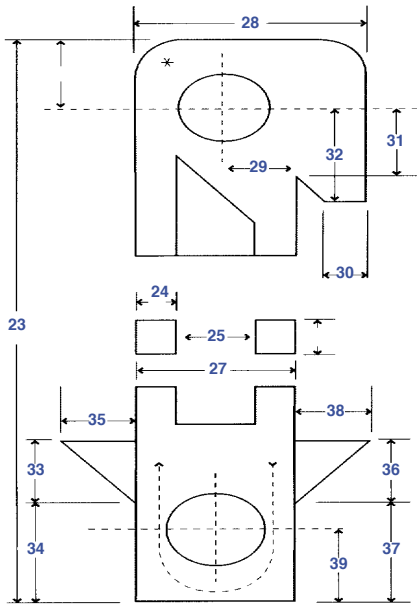
1. Current Bucket Size: \_\_\_\_\_
2. Current Bucket Style: \_\_\_\_\_ Material \_\_\_\_\_
3. Bucket Manufacturer: \_\_\_\_\_
4. Bucket Spacing on Belt: \_\_\_\_\_
5. Number of Bucket Rows: \_\_\_\_\_
6. Product Being Elevated: \_\_\_\_\_
7. Product Density (Cubic Foot): \_\_\_\_\_
8. Moisture Content: \_\_\_\_\_
9. Oil or Fat Content: \_\_\_\_\_
10. Particle Size: \_\_\_\_\_
11. Product Temperature: \_\_\_\_\_
12. Head Pulley Diameter: \_\_\_\_\_
13. Head Pulley Face Width: \_\_\_\_\_
14. Head Shaft Diameter: \_\_\_\_\_
15. Head Shaft RPM: \_\_\_\_\_
16. Motor Horsepower: \_\_\_\_\_
17. Boot Pulley Diameter: \_\_\_\_\_
18. Feed Inlet, Up or Side: \_\_\_\_\_
19. Feed Inlet, Opening Dimensions: \_\_\_\_\_
20. Bucket Elevator Manufacturer: \_\_\_\_\_
21. Required Capacity: \_\_\_\_\_
22. Current Capacity: \_\_\_\_\_

## BUCKET ELEVATOR SPECIFICATION FORM 2 OF 2

Company: \_\_\_\_\_ Contact: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_



23. Height of Elevator: \_\_\_\_\_

24. Depth of Leg Casing: \_\_\_\_\_

25. Spacing Between Leg Casings: \_\_\_\_\_

27. Overall Width of Elevator: \_\_\_\_\_

28. Depth of Bonnet: \_\_\_\_\_

29. Width From Head Shaft to Throat inlet: \_\_\_\_\_

30. Dimensions of Discharge Spout: \_\_\_\_\_

31. Distance From Head Shaft Centerline Down to Top of Discharge Throat: \_\_\_\_\_

32. Distance From Head Shaft Centerline Down To Discharge Spout: \_\_\_\_\_

33. Height of Up-Leg Inlet Hopper: \_\_\_\_\_

34. Height From Bottom of Elevator to Bottom of Up-Leg Inlet Hopper: \_\_\_\_\_

35. Depth of Up-Leg Inlet Hopper: \_\_\_\_\_

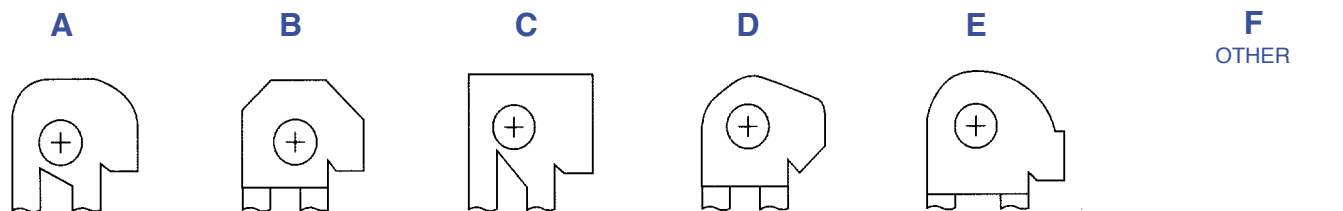
36. Height of Down-Leg Inlet Hopper: \_\_\_\_\_

37. Height From Bottom of Elevator to Bottom of Down-Leg Inlet Hopper: \_\_\_\_\_

38. Depth of Down-Leg Inlet Hopper: \_\_\_\_\_

39. Height From Bottom of Elevator to Boot Shaft: \_\_\_\_\_

### CIRCLE HEAD PROFILE:



## BULK MATERIAL DENSITY TABLE

Material Description	Loose Bulk Density #/Ft. <sup>3</sup>
Alfalfa Meal	14-22
Alfalfa Pellets	41-43
Alfalfa Seed	10-15
Almonds, Broken	28-30
Almonds, Whole Shelled	28-30
Alum, Fine	45-50
Alum, Lumpy	50-60
Alumina Fines	35
Alumina	50-65
Alumina, Sized or Briquette	65
Aluminum Chips, Oily	7-15
Aluminum Chips, Dry	7-15
Aluminum Hydrate	13-20
Aluminum Ore (See Bauxite)	-
Aluminum Oxide	60-120
Aluminum Silicate (Andalusite)	49
Aluminum Chloride, Crystalline	45-52
Aluminum Nitrate	45-62
Aluminum Sulfate	45-58
Ammonium Chloride	45-52
Ammonium Nitrate	45
Ammonium Sulfate, Granular	45-58
Arsenate of Lead (See Lead Arsenate)	-
Arsenic, Pulverized	30
Arsenic Oxide (Arsenolite)	100-120
Asbestos, Rock (Ore)	81
Asbestos, Shred	20-40
Ash, Black Ground	105
Ashes, Coal, Dry -1/2"	35-45
Ashes, Coal, Dry 3" & under	35-40
Ashes, Coal, Wet -1/2"	45-50
Ashes, Coal, Wet 3" & under	45-50
Ashes, Fly (See Fly Ash)	-
Ashes, Gas Produced	78
Asphalt Binder	80-85
Asphalt, Crushed, -1/2"	45
Bakelite, Fine	30-45
Baking Powder	40-55
Baking Soda (Sodium Bicarbonate)	40-55
Barite (Barium Sulfate) +1/2"	120-180
Barite, Powder	120-180
Barium Carbonate	72

Material Description	Loose Bulk Density #/Ft. <sup>3</sup>
Bark, Wood, Refuse	10-20
Barley, Fine, Ground	24-38
Barley, Malted	31
Barley, Meal	28
Barley, Scoured	41
Barley, Whole	36-48
Basalt	80-105
Bauxite, Dry, Ground	68
Bauxite, Crushed, -3"	75-85
Bauxite, Mine Run	66-90
Beans, Castor, Whole Shelled	36
Beans, Castor, Meal	35-40
Beans, Navy, Dry	48
Beans, Navy, Steeped	60
Beets, Whole	48
Bentonite, Crude	35-40
Benzene Hexachloride	56
Bicarbonate of Soda (See Baking Soda)	-
Blood, Dried	35-45
Blood, Ground	30
Bones, Whole	35-50
Bones, Crushed	35-50
Bones, Ground	50
Bonemeal	50-60
Bone Ash (Tricalcium Phosphate)	40-50
Borate of Lime	60
Borax 2"-3" Lump	60-70
Borax 1-1/2"-2" Lump	55-60
Borax Screening -1/2"	55-60
Borax, Fine	45-55
Boric Acid, Fine	55
Boron	75
Bran, Rice-Rye-Wheat	16-20
Bread Crumbs	20-25
Brewer's Grain, Spent, Dry	14-30
Brewer's Grain, Spent, Wet	55-60
Brick, Hard Burned	125
Brick, Soft Burned	100
Brick, Ground -1/8"	100-120
Bronze Chips	30-50
Buckwheat	37-42
Calcine, Flour	75-85



## BULK MATERIAL DENSITY TABLE

Material Description	Loose Bulk Density #/Ft. <sup>3</sup>
Calcium Acetate	125
Calcium Carbide (Crushed)	70-80
Calcium Carbonate (See Limestone)	-
Calcium Fluoride (See Fluorspar)	-
Calcium Hydrate (See Lime, Hydrated)	-
Calcium Hydroxide (See Lime, Hydrated)	-
Calcium Lactate	26-29
Calcium Carbonate	90-100
Calcium Oxide (See Lime, Unslaked)	40-50
Calcium Phosphate	-
Calcium Sulfate (See Gypsum)	-
Carbon, Activated, Dry, Fine	8-20
Carbon Black, Pelleted	20-25
Carbon Black, Powder	4-7
Carborundum	100
Cashew Nuts	32-37
Cast Iron, Chips	130-200
Caustic Soda	88
Caustic Soda, Flakes	47
Celite (See Diatomaceous Earth)	-
Cement, Clinker	75-95
Cement, Rock (See Limestone)	-
Cement, Portland	94
Cement, Aerated (Portland)	60-75
Cement, Mortar	133
Chalk, Crushed	75-95
Chalk, Pulverized	67-75
Charcoal, Lumps	18-28
Charcoal, Ground	18-28
Chips, Hogged Fuel	15-25
Chrome Ore	125-140
Cinders, Blast Furnace	57
Cinders, Coal	40
Clay (See Bentonite, Diatomaceous Earth, Fuller's Earth, Kaolin & Marl)	-
Clay, Calcined	80-100
Clay, Brick, Dry, Fines	100-120
Clay, Ceramic, Dry, Fines	60-80
Clay, Dry, Lumpy	60-75
Clinker, Cement (See Cement, Clinker)	-

Material Description	Loose Bulk Density #/Ft. <sup>3</sup>
Clover Seed	48
Coal, Anthracite (River & Culm)	60
Coal, Anthracite, Sized -1/2"	55-60
Coal, Bituminous, (Mined 50M & Under)	50-54
Coal, Bituminous, Mined	40-60
Coal, Bituminous, Mined, Sized	45-55
Coal, Bituminous, Mined, Run of Mine	45-55
Coal, Bituminous, Mined, Slack	43-50
Coal, Bituminous, Stripping, Not Cleaned	50-60
Coal, Lignite	40-45
Coal, Char	24
Cocoa, Beans	30-40
Cocoa, Nibs	35
Cocoa, Powdered	30-35
Coconut, Shredded	20-22
Coffee, Green Bean	25-35
Coffee, Ground, Dry	25
Coffee, Ground, Wet	35-45
Coffee, Roasted, Bean	22-26
Coffee, Soluble	19
Coke, Loose	25-35
Coke, Petroleum, Calcined	3-45
Coke, Breeze, -1/4"	25-35
Compost	30-50
Concrete, Cinder	90-100
Concrete, 2 Inch Slump	100-150
Concrete, 4 Inch Slump	110-150
Concrete, 6 Inch Slump	110-150
Concrete, In Place, Stone	130-150
Concrete, Pre-Mix, Dry	85-120
Copper Ore	120-150
Copper Ore, Crushed	100-150
Copper Sulfate (Bluestone)	75-85
Copperas (See Ferrous Sulfate)	-
Copra Cake, Ground	40-45
Copra Cake, Lumpy	25-30
Copra, Lumpy	22
Copra, Meal	40-45

## BULK MATERIAL DENSITY TABLE

Material Description	Loose Bulk Density #/Ft. <sup>3</sup>
Cork, Fine Ground	12-15
Cork, Granulated	12-15
Corn, Cracked	45-50
Corn Cobs, Ground	17
Corn Cobs, Whole	12-15
Corn, Ear	56
Corn, Germs	21
Corn, Grits	40-45
Corn Oil Cake	25
Corn, Seed	45
Corn, Shelled	45
Corn, Sugar	30-35
Cornmeal	38-40
Cottonseed Cake, Crushed	40-45
Cottonseed Cake, Lumpy	40-45
Cottonseed, Dry, Delinted	35
Cottonseed, Dry, Not Delinted	18-25
Cottonseed Flakes	20-25
Cottonseed Hulls	12
Cottonseed Meal, Extracted	35-40
Cottonseed Meal, Expeller	25-30
Cottonseed Meats, Dry	40
Cottonseed Meats, Rolled	35-40
Cracklings, Crushed	40-50
Cryolite, Dust	75-90
Cryolite, Lumpy	90-100
Cullet, Fine	80-120
Cullet, Lump	80-120
Culm (See Coal, Anthracite)	-
Cupric Sulfate (See Copper Sulfate)	-
Detergent. (See Soap, Detergent)	-
Diatomaceous Earth	11-14
Dicalcium Phosphate	40-50
Disodium Phosphate	25-31
Distiller's Grain, Spent, Dry	30
Distiller's Grain, Spent, Wet	40-60
Dolomite, Crushed	80-100
Dolomite, Lumpy	90-100
Earth, As Excavated, Dry	70-80
Earth, Loam, Dry, Loose	76
Earth, Wet, Containing Clay	100-110

Material Description	Loose Bulk Density #/Ft. <sup>3</sup>
Ebonite, Crushed	65-70
Epsom Salts	40-50
Emery	230
Face Powder (See Talcum Powder)	-
Feldspar, Ground	65-80
Feldspar, Lumps	90-100
Feldspar, Powder	100
Feldspar, Screenings	70-85
Ferrous Sulfate	60-70
Ferrous Sulfide, 1/2 Inch	120-135
Ferrous Sulfide, Powder	105-120
Fish Meal	35-40
Fish Scrap	40-50
Flaxseed	45
Flaxseed Cake (Linseed Cake)	48-50
Flaxseed Meal (Linseed Meal)	25
Flour, Wheat	35-40
Flue Dust, Blast Furnace	110-125
Flue Dust, Basic Oxygen Furnace	45-60
Flue Dust, Boiler House, Dry	35-40
Fluorspar, Fine (Calcium Fluoride)	80-100
Fluorspar, Lumps, 1-1/2 to 3 Inch	90-100
Fluorspar, Screenings, 1/2 Inch	85-105
Fly Ash	30-45
Foundry Refuse, Old Sand Cores, etc.	70-100
Foundry Sand, Dry (See Sand)	-
Fuller's Earth, Dry, Raw	30-35
Fuller's Earth, Oily, Spent	60-65
Fuller's Earth, Burned or Roasted	40
Galena (See Lead Sulfide)	-
Gelatin, Granulated	32
Gilsonite	37
Glass, Batch	80-100
Glass, Broken (See Cullet)	-
Glue, Ground	40
Glue, Pearl	40
Glue, Vegetable, Powdered	40
Gluten Meal	40
Grain, Brewers (See Brewer's Grain)	-

## BULK MATERIAL DENSITY TABLE

Material Description	Loose Bulk Density #/Ft. <sup>3</sup>
Grain, Distillery, Spent, Dry (See Brewer's Grain)	-
Grain, Distillery, Spent, Wet (See Brewer's Grain)	-
Grains, (See Specific Grain)	-
Granite, Broken	95-100
Granite, Lumps, 1-1/2 to 3 Inch	85-90
Granite, Screenings, 1/2 Inch	80-90
Grape Pomace	15-20
Graphite, Flake	40
Graphite, Flour	28
Graphite, Ore	65-75
Grass Seed	10-12
Gravel, Bank Run	90-100
Gravel, Dry, Sharp	90-100
Gravel, Pebbles	90-100
Gypsum, Calcined	55-60
Gypsum, Calcined, Powdered	60-80
Gypsum Dust, Aerated	60-70
Gypsum Dust, Nonaerated	93
Gypsum, Lumps, 1-1 /2 to 3 Inch	70-80
Gypsum, Raw, 1 Inch	70-80
Gypsum, Screenings, 1/2 Inch	70-80
Guano, Dry	70
Hominy, Dry	37
Hops, Spent, Dry	35
Hops, Spent, Wet	50-55
Ilmenite Ore	140-160
Iron Borings, Machine Shop	125
Iron Ore	100-200
Iron Ore, Concentrates	120-180
Iron Ore, Crushed	135-150
Iron Oxide, Pigment	25
Iron Oxide, Mill Scale	75
Iron Pyrites (See Ferrous Sulfide)	-
Iron Sulfate (See Ferrous Sulfate)	-
Iron Sulfide (See Ferrous Sulfide)	-
Iron Vitriol (See Ferrous Sulfate)	-
Kaffir Corn	40-45
Kaolin Clay, 3 Inch and Under	63
Kaolin Clay, Talc, 100 Mesh	42-56

Material Description	Loose Bulk Density #/Ft. <sup>3</sup>
Kryolith (See Cryolite)	-
Lactose	32
Lamp Black (See Carbon Black)	-
Lead Arsenate	72
Lead Arsenite	72
Lead Carbonate	240-260
Lead Ore, 1/8 Inch	200-270
Lead Ore, 1/2 Inch	180-230
Lead Oxide (Red Lead) 100 Mesh	30-150
Lead Oxide (Red Lead) 200 Mesh	30-180
Lead Sulfide, 100 Mesh	240-260
Lignite, Air Dry (See Coal, Lignite)	-
Lime, Ground, 1/8 Inch and Under	60-65
Lime, Hydrated, 1/8 Inch and Under	40
Lime, Hydrated, Pulverized	32-40
Lime, Pebble	53-56
Limestone, Agricultural, 1/8 Inch and Under	68
Limestone, Crushed	85-90
Limestone, Dust	55-95
Lindane (See Benzene Hexachloride)	-
Linseed (See Flaxseed)	-
Litharge (See Lead Oxide)	-
Litharge, Pulverized (Lead Oxide)	200-250
Lithopone	45-50
Magnesium Chloride	33
Magnesium Sulphate (See Epsom Salts)	-
Malt, Dry, Ground	20
Malt, Dry, Whole	20-30
Malt, Meal	36-40
Malt, Sprouts	13-15
Malt, Wet or Green	60-65
Manganese Dioxide	70-85
Manganese Ore	125-140
Manganese Oxide	120
Manganese Sulphate	70
Marble, Crushed	80-95
Marl (Clay)	80
Meat, Ground	50-55

## BULK MATERIAL DENSITY TABLE

Material Description	Loose Bulk Density #/Ft. <sup>3</sup>
Meat, Scrap With Bone	40
Mica, Flakes	17-22
Mica, Ground	13-15
Mica, Pulverized	13-15
Milk, Dried, Flake	5-6
Milk, Malted	30-35
Milk, Powdered	20-45
Milk, Whole, Powdered, Dry	20-36
Milk Sugar	32
Mill Scale	120-125
Milo	40-45
Milo, Ground	32-36
Molybdite, Powder	107
Mortar, Wet	150
Muriate of Potash (See Potash Muriate)	-
Mushrooms	24
Mustard Seed	45
Monosodium Phosphate	50
Naphthalene Flakes	45
Niacin (Nicotinic Acid)	35
Nickel (Cobalt Sulphate Ore)	80-150
Oats	26
Oats, Crimped	19-26
Oats, Crushed	22
Oats, Rolled	35
Oat Flour	19-24
Oat Hulls	8-12
Oil Cake	45-50
Orange Peel, Dry	15
Oxalic Acid, Crystals	60
Oyster Shells, Ground	50-60
Oyster Shells, Whole	80
Paper Pulp (4% or Less)	62
Paper Pulp (6% to 15%)	60-62
Peanuts, Raw, Uncleaned, Unshelled	15-20
Peanuts, Clean, In Shell	15-20
Peanuts, Shelled	35-45
Peanut Meal	30
Peas, Dried	45-50
Perlite, Expanded	8-12
Perlite, Expanded, Powder	4-12
Petroleum Coke (See Coke)	-

Material Description	Loose Bulk Density #/Ft. <sup>3</sup>
Phosphate Acid Fertilizer	60
Phosphate Rock, Broken	75-85
Phosphate Rock, Pulverized	60
Phosphate Sand	90-100
Phosphate, Triple Super, Ground	50-55
Phosphate Disodiurn (See Sodium Phosphate)	-
Plaster of Paris (See Gypsum)	-
Polyethylene Resin, Pellets	30-35
Polystyrene, Beads	40
Polyvinyl Chloride, Pellets	20-30
Polyvinyl Chloride, Powder	20-30
Potash (Muriate) Dry	70
Potash (Muriate) Mine Run	75
Potash Salt (Sylvite)	80
Potassium Carbonate	51
Potassium Chloride, Pellets	120-130
Potassium Nitrate	76-80
Potassium Sulfate	42-48
Potato Flour	48
Pumice, Ground	40-45
Pyrites, Iron	135-145
Pyrites, Iron, Pellets	120-130
Quartz Dust	70-80
Quartz	80-95
Rice, Hulled	45-49
Rice, Polished	30
Rice, Rough	32-36
Rice, Bran	20
Rice, Grits	42-45
Rice, Hulls	20-21
Rosin	65-68
Rouge, Powder	25
Rubber, Reclaimed, Ground	23-50
Rubber, Reclaimed	25-30
Rubber, Pellets	50-55
Rye	42-48
Rye, Feed	33
Rye, Meal	35-40
Rye, Middlings	42
Rye, Bran	15-20
Rye, Shorts	32-33

## BULK MATERIAL DENSITY TABLE

Material Description	Loose Bulk Density #/Ft. <sup>3</sup>
Safflower, Seed	45
Safflower, Cake	50
Safflower, Meal	50
Saffron (See Safflower)	-
Sal Ammoniac (See Ammonium Chloride)	-
Salicylic Acid	29
Salt, Dry, Coarse	45-60
Salt, Dry, Fine	70-80
Salt Cake, Dry, Coarse	85
Salt Cake, Dry, Pulverized	65-85
Saltpeter (See Potassium Nitrate)	-
Sand, Dry, Bank (Damp)	110-130
Sand, Dry, Bank (Dry)	90-110
Sand, Foundry, Prepared	65-75
Sand, Foundry (Shake Out)	90-100
Sand, Dry, Silica	90-100
Sand, (Resin Coated) Silica	104
Sand, (Resin Coated) Zircon	115
Sandstone, Broken	85-90
Sawdust, Dry	10-13
Sea-coal	65
Sesame Seed	27-41
Shale, Broken	90-100
Shale, Crushed	85-90
Shellac	80
Shellac, Powdered or Granulated	31
Silica Gel Plus 1/2"	45
Silicon Dioxide (See Quartz)	-
Silica, Flour	80
Slag, Blast Furnace, Crushed	130-180
Slag, Furnace, Granular, Dry	60-65
Slag, Furnace, Granular, Wet	90-100
Slate, Crushed, -1/2"	80-90
Slate, Dust	70-80
Slate, Ground, -1/8"	82-85
Slate, Lump	85-95
Sludge, Sewage, Dried	40-50
Sludge, Sewage, Dry, Ground	45-55
Soap, Beads or Granules	15-35

Material Description	Loose Bulk Density #/Ft. <sup>3</sup>
Soap, Chips	15-25
Soap, Detergent	15-50
Soap, Flakes	5-15
Soap, Powder	20-25
Soapstone, Talc, Fine	40-50
Soda Ash, Briquettes	50
Soda Ash, Heavy	55-65
Soda Ash, Light	20-35
Soda Alum	75
Sodium Aluminate, Ground	72
Sodium Aluminum Fluoride (See Kryolite)	-
Sodium Aluminum Sulphate	75
Sodium Bentonite (See Bentonite)	-
Sodium Bicarbonate (See Bicarbonate of Soda)	-
Sodium Chloride (See Salt)	-
Sodium Carbonate (See Soda Ash)	-
Sodium Hydrate (See Caustic Soda)	-
Sodium Hydroxide (See Caustic Soda)	-
Sodium Borate (See Borax)	-
Sodium Nitrate	70-80
Sodium Phosphate	50-60
Sodium Sulfate (See Salt Cake)	-
Sodium Sulfite	96
Sorghum Seed (See Kafir or Milo)	-
Soy Bean, Cake	40-43
Soy Bean, Cracked	30-40
Soy Bean, Flake, Raw	18-25
Soy Bean, Flour	27-30
Soy Bean Meal, Cold	40
Soy Bean Meal, Hot	40
Soy Beans, Whole	45-50
Starch	25-50
Steel, Turnings, Crushed	100-150
Steel, Trimmings	75-150
Sugar Beet Pulp, Dry	12-15
Sugar Beet Pulp, Wet	25-45
Sugar, Refined, Granulated, Dry	50-55

## BULK MATERIAL DENSITY TABLE

Material Description	Loose Bulk Density #/Ft. <sup>3</sup>
Sugar, Refined, Granulated, Wet	55-65
Sugar, Raw	55-65
Sugar Cane, Knifed	15-18
Sulphur, Crushed -1/2"	50-60
Sulphur, Lumpy, -3"	80-85
Sulphur, Powdered	50-60
Sunflower, Seed	19-38
Taconite, Pellets	116-130
Talcum Powder	50-60
Talcum, -1/2"	80-90
Talc, Solid	165
Tallow	58
Tanbark, Ground	55
Timothy Seed	36
Titanium Dioxide (See Illmenite Ore)	-
Titanium Sponge	60-70
Tobacco, Scraps	15-25
Tobacco, Leaves, Dry	12-14
Tobacco, Snuff	30
Tobacco, Stems	15
Trap Rock, Screenings	90-100
Trap Rock, Lumps	100-110
Tricalcium Phosphate	40-50
Trisodiurn Phosphate	60
Trisodium Phosphate, Granular	60

Material Description	Loose Bulk Density #/Ft. <sup>3</sup>
Trisodium Phosphate, Pulverized	50
Triple Super Phosphate	50-55
Tung Nuts	25-30
Urea Prills, Coated	43-46
Vermiculite, Ore	80
Vermiculite, Expanded	16
Vetch	48
Walnut Shells, Crushed	35-45
Wheat	45-48
Wheat Bran	16-20
Wheat, Cracked	40-45
Wheat, Flour	33-40
Wheat, Germ	18-28
Wheat, Middlings	20-24
White Lead, Dry	75-100
Wood Chips, Screened	10-30
Wood Chips, Hogged Fuel	15-25
Wood, Flour	16-36
Wood, Shavings	8-16
Zinc, Concentrate Residue	75-80
Zinc Dust	200
Zinc Ore, Crushed	160
Zinc Ore, Roasted	110
Zinc Oxide, Heavy	30-35
Zinc Oxide, Light	10-15

Material density is approximate as weight can change due to moisture content of product.

# METRIC CONVERSION TABLE

The principal units are the meter for length, the liter for capacity and the gram for weight. The following prefixes are used for sub-divisions and multiples: milli = 1/1000; centi = 1/100; deci = 1/10; deca = 10; hecto = 100; kilo = 1000.

## MEASURES OF LENGTH

10 millimeters (mm.)	= centimeter (cm.)
10 centimeters	= 1 decimeter (dm.)
10 decimeters	= 1 meter (m.)
1000 meters	= 1 kilometer (km.)

## MEASURES OF WEIGHT

10 milligrams (mg.)	= 1 centigram (cg.)
10 centigrams	= 1 decigram (dg.)
10 decigrams	= 1 gram (g.)
10 grams	= 1 decagram (Dg.)
10 decagrams	= 1 hectogram (Hg.)
10 hectograms	= 1 kilogram (Kg.)
1000 kilograms	= 1 (metric) ton (T.)

## LENGTH CONVERSION CONSTANTS FOR METRIC AND U.S. UNITS

Millimeters × .039370	= inches.
Meters × 39.370	= inches.
Meters × 3.2808	= feet.
Meters × 1.09361	= yards.
Kilometers × 3,280.8	= feet.
Kilometers × .62137	= Statute Miles.
Kilometers × .53959	= Nautical Miles.

## SURVEYOR'S SQUARE MEASURE

100 square meters (m. <sup>2</sup> )	= 1 are (ar.)
100 acres	= 1 hectare (har.)
100 hectares	= 1 sq. kilometer (Km. <sup>2</sup> )

## SQUARE MEASURE

100 sq. millimeters (mm. <sup>2</sup> )	= 1 sq. centimeter (cm. <sup>2</sup> )
100 sq. centimeters	= 1 sq. decimeter (dm. <sup>2</sup> )
100 sq. decimeters	= 1 sq. meter (m. <sup>2</sup> )

## CUBIC MEASURE

1000 cu. millimeters (mm. <sup>3</sup> )	= 1 cu. centimeter (cm. <sup>3</sup> )
1000 cu. centimeters	= 1 cu. decimeter (dm. <sup>3</sup> )
1000 cu. decimeters	= 1 cu. meter (m. <sup>3</sup> )

## DRY AND LIQUID MEASURE

10 milliliters (ml.)	= 1 centiliter (cl.)
10 centiliters	= 1 deciliter (dl.)
10 deciliters	= 1 liter (l.)
100 liters	= 1 hectoliter (Hl.)
1 liter = 1 cubic decimeter	= the volume of 1 kilogram of pure water at a temperature of 39.2 degrees F.

## WEIGHT CONVERSION CONSTANTS FOR METRIC AND U.S. UNITS

Grams × 981	= dynes.
Grams × 15.432	= grains.
Grams × .03527	= ounces (Avd.).
Grams × .033818	= fluid ounces (water).
Kilograms × 35.27	= ounces (Avd.).
Kilograms × 2.20462	= pounds (Avd.).
Metric Tons (1000 Kg.) × 1.10231	= Net Ton (2000 lbs.).
Metric Tons (1000 Kg.) × .98421	= Gross Ton (2240 lbs.).

Dynes × .0010193	= grams.
Grains × .0648	= grams.
Ounces (Avd.) × 28.35	= grams.
Fluid Ounces (Water) × 29.57	= grams.
Ounces (Avd.) × .02835	= kilograms.
Pounds (Avd.) × .45359	= kilograms.
Net Ton (2000 lbs.) × .90719	= Metric Tons (1000 Kg.).
Gross Ton (2240 lbs.) × 1.01605	= Metric Tons (1000 Kg.).

## AREA CONVERSION CONSTANTS FOR METRIC AND U.S. UNITS

Square Millimeters × .00155	= square inches.
Square Centimeters × .155	= square inches.
Square Meters × 10.76387	= square feet.
Square Meters × 1.19599	= square yards.
Hectares × 2.47104	= acres.
Square Kilometers × 247.104	= acres.
Square Kilometers × .3861	= square miles.

Square Inches × 645.163	= square millimeters.
Square Inches × 6.45163	= square centimeters.
Square Feet × .0929	= square meters.
Square Yards × .83613	= square meters.
Acres × .40469	= hectares.
Acres × .0040469	= square kilometers.
Square Miles × 2.5899	= square kilometers.

## VOLUME CONVERSION CONSTANTS FOR METRIC AND U.S. UNITS

Cubic Centimeters × .033818	= fluid ounces.
Cubic Centimeters × .061023	= cubic inches.
Cubic Centimeters × .271	= fluid drams.
Liters × 61.023	= cubic inches.
Liters × 1.05668	= quarts.
Liters × .26417	= gallons.
Liters × .035317	= cubic feet.
Hectoliters × 26.417	= gallons.
Hectoliters × 3.5317	= cubic feet.
Hectoliters × 2.83794	= bushel (2150.42 cu. in.).
Hectoliters × .1308	= cubic yards.
Cubic Meters × 264.17	= gallons.
Cubic Meters × 35.317	= cubic feet.
Cubic Meters × 1.308	= cubic yards.

Fluid Ounces × 29.57	= cubic centimeters.
Cubic Inches × 16.387	= cubic centimeters.
Fluid Drams × 3.69	= cubic centimeters.
Cubic Inches × .016387	= liters.
Quarts × .94636	= liters.
Gallons × 3.78543	= liters.
Cubic Feet × 28.316	= liters.
Gallons × .0378543	= hectoliters.
Cubic Feet × .28316	= hectoliters.
Bushels (2150.42 cu.in.) × .352379	= hectoliters.
Cubic Yards × 7.645	= hectoliters.
Gallons × .00378543	= cubic meters.
Cubic Feet × .028316	= cubic meters.
Cubic Yards × .7645	= cubic meters.

## POWER AND HEAT CONVERSION CONSTANTS FOR METRIC AND U.S. UNITS

Calorie × 0.003968	= B.T.U.
Joules × .7373	= foot pounds.
Kilogram-meters × 7.233	= foot pounds.
Cheval Vapeur × .9863	= Horsepower.
Kilowatts × 1.34	= Horsepower.
Kilowatt Hours × 3415	= B.T.U.
(Degrees Cent. × 1.8) + 32	= degrees Fahr.
(Degrees Reamur × 2.25) + 32	= degrees Fahr.

B.T.U. × 252	= calories.
Foot Pounds × 1.3563	= joules.
Foot Pounds × .13825	= kilogram-meters.
Horsepower × 1.014	= Cheval Vapeur.
Horsepower × .746	= kilowatts.
B.T.U. × .00029282	= kilowatt hours.
(Degrees Fahr. — 32) × .555	= degrees Cent.
(Degrees Fahr. — 32) × .444	= degrees Reamur.



## TABLE OF SPEEDS

The Table below gives the broad range (R.P.M\* and F.P.M\*\*) for Tapco CC-B, CC-HD & CC-XD elevator buckets. This table is provided for general reference only and does not necessarily mean all products will properly discharge over the entire speed range in all bucket elevators.

### CC-B, CC-HD & CC-XD SPEEDS

Pulley / Sprocket Diameter (Inches)	Pulley / Sprocket Circumference (Feet)	R.P.M. Min.	R.P.M. Max.	F.P.M. Min.	F.P.M. Max.
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

\*R.P.M. - Revolutions per minute of head pulley or sprocket.

\*\*F.P.M. - Feet per minute of belt or chain.

The Table below gives the broad range (R.P.M\* and F.P.M\*\*) for Tapco Super EuroBuckets and EuroBuckets. This table is provided for general reference only and does not necessarily mean all products will properly discharge over the entire speed range in all bucket elevators.

### SUPER EUROBUCKET & EUROBUCKET SPEEDS

Pulley / Sprocket Diameter (Inches)	Pulley / Sprocket Circumference (Feet)	R.P.M. Min.	R.P.M. Max.	F.P.M. Min.	F.P.M. Max.
10"	2.62'	106	212	278	555
12"	3.14'	89	189	278	594
16"	4.19'	76	142	317	594
20"	5.24'	64	121	336	634
24"	6.28'	60	101	377	634
32"	8.36'	52	83	436	693
40"	10.47'	47	66	495	693
50"	13.09'	42	61	554	792

\*R.P.M. - Revolutions per minute of head pulley or sprocket.

\*\*F.P.M. - Feet per minute of belt or chain.

**IMPORTANT:** Head and boot design, head venting, loading, belt tension, plumb of head and boot pulley, product flowability and product density, all have an effect on the speeds at which an elevator can run and still discharge properly.



# COMPUTING BUCKET ELEVATOR CAPACITY

**Note:** Traditional formulas for computing elevator capacity are based on the bucket manufacturer's published gross bucket capacity. Tapco recommends using water level bucket capacities because published gross capacities are inaccurate and irrelevant. Tapco can provide the water level capacity for any size and brand of bucket.

To figure the capacity of a bucket elevator you must first know the following:

1. **CAPACITY** of the bucket at water level (cubic inches).
2. **SPACING** of the buckets on the belt or chain (centers).
3. **NUMBER OF ROWS** of buckets on the belt or chain.
4. **SPEED** of the belt or chain (feet per minute). See formula below.
5. **PRODUCT WEIGHT** per cubic foot (only if answer is desired in tons or metric tons).

Then proceed as follows: Multiply the capacity of the bucket times the spacing multiplier in the table below times the number of rows of buckets. This will give the capacity in cubic inches of each running foot of the belt or chain. Multiply this times the speed of the belt or chain for the capacity discharged per minute. Then multiply by 60 to get the capacity discharged per hour. The answer will be in cubic inches.

Convert as follows:

- BUSHEL** - Divide by 2,150 to convert bushels.
- CUBIC FEET** - Divide by 1,728 to convert to cubic feet.
- 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.

You now have the water level capacity of the elevator. Actual capacity would range from 10% to 20% above water level. For engineering purposes, Tapco recommends using 10% above water level capacity. Greater capacity may be realized in the elevator, however, this is dependent on several factors besides the buckets: head and boot design, loading and discharge, angle of repose of the product, etc..

### CAPACITY FORMULAS (Based on water level bucket fill)

For BUSHEL per hour:

capacity of bucket water level	spacing multiplier	number of rows	speed feet/min.	min./hr.	cu. in./bu.	bu./hr. water level	+10% actual capacity	bu./hr. actual
_____	x _____	x _____	x _____	x 60	÷ 2,150	= _____	x 1.10	= _____
_____	x _____	x _____	x _____	x 60	÷ 2,150	= _____	x 1.10	= _____
_____	x _____	x _____	x _____	x 60	÷ 2,150	= _____	x 1.10	= _____
_____	x _____	x _____	x _____	x 60	÷ 2,150	= _____	x 1.10	= _____

For CUBIC FEET per hour:

capacity of bucket water level	spacing multiplier	number of rows	speed feet/min.	min./hr.	cu. in./cu. ft.	cu. ft./hr. water level	+10% actual capacity	cu. ft./hr. actual
_____	x _____	x _____	x _____	x 60	÷ 1,728	= _____	x 1.10	= _____
_____	x _____	x _____	x _____	x 60	÷ 1,728	= _____	x 1.10	= _____
_____	x _____	x _____	x _____	x 60	÷ 1,728	= _____	x 1.10	= _____
_____	x _____	x _____	x _____	x 60	÷ 1,728	= _____	x 1.10	= _____

For TONS per hour: First determine cubic feet/hr. at water level using above formula then proceed as follows:

cu. ft./hr. water level	product weight per cu. ft.(lbs.)	lbs./ton	tons/hr. water level	+10% actual capacity	tons/hr. actual
_____	x _____	÷ 2,000	= _____	x 1.10	= _____
_____	x _____	÷ 2,000	= _____	x 1.10	= _____
_____	x _____	÷ 2,000	= _____	x 1.10	= _____

For METRIC TONS per hour: First determine cubic feet/hr. at water level using above formula then proceed as follows:

cu. ft./hr. water level	product weight per cu. ft.(lbs.)	lbs. metric tons	metric tons/hr. water level	+10% actual capacity	metric tons/hr. actual
_____	x _____	÷ 2,204.62	= _____	x 1.10	= _____
_____	x _____	÷ 2,204.62	= _____	x 1.10	= _____
_____	x _____	÷ 2,204.62	= _____	x 1.10	= _____

SPACING multipliers: For determining number of buckets per foot of belt or chain. Below multipliers are calculated by dividing one foot (12") by the bucket spacing dimension in inches.

Bucket Spacing on belt or chain	3½"	4"	4½"	5"	5½"	6"	6½"	7"	7½"	8"	8½"	9"	9½"	10"	10½"	11"	11½"	12"	13"	14"	15"	16"	17"	18"
Multiplier	3.43	3.00	2.67	2.40	2.18	2.00	1.85	1.71	1.60	1.50	1.41	1.33	1.26	1.20	1.14	1.09	1.04	1.00	.92	.86	.80	.75	.71	.67

FEET PER MINUTE FORMULA: Belt or chain speed can be determined if the head pulley or sprocket diameter and R.P.M. of the head shaft is known.

$$\frac{\pi}{3.1416} \times \text{head pulley dia./in.} \times \text{RPM} \div \frac{\text{in./ft.}}{12} = \text{feet/min.}$$

SPEED RANGE FOR TAPCO BUCKETS - Contact Tapco Inc. for engineering recommendations on either new or existing elevators.

## SPOUTING CAPACITY TABLE

### Suggested Bushels Per Hour Unlined Downspouting

#### ROUND SPOUTING

SIZE DIA.	SQUARE INCHES	BPH
6"	28.27	1,837
7"	38.49	2,501
8"	50.27	3,267
9"	63.62	4,135
10"	78.54	5,105
11"	95.03	6,177
12"	113.1	7,351
13"	132.7	8,625
14"	153.9	10,003
15"	176.7	11,485
16"	201.1	13,071
17"	226.9	14,748
18"	254.5	16,542
19"	283.5	18,427
20"	314.2	20,423
21"	346.4	22,516
22"	380.1	24,706
23"	415.5	27,007
24"	452.4	29,406

#### SQUARE SPOUTING

SIZE DIA.	SQUARE INCHES	BPH
6"	36	2,340
7"	49	3,185
8"	64	4,160
9"	81	5,265
10"	100	6,500
11"	121	7,865
12"	144	9,360
13"	169	10,985
14"	196	12,740
15"	225	14,625
16"	256	16,640
17"	289	18,785
18"	324	21,060
19"	361	23,465
20"	400	26,000
21"	441	28,665
22"	484	31,460
23"	529	34,385
24"	576	37,440

Estimated on 65 bushels per hour per square inch of spout. 45° fall of free flowing material, 56 lbs. bushel, minimum number of elbows.

1.244 cu. ft. = 1 bushel

$\frac{1 \text{ bushel}}{.8038} = 1 \text{ cu. ft.}$

#### HEAD SHAFT DIAMETER PER HORSEPOWER RATING

HORSE-POWER	SHAFT DIA.
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"

HORSE-POWER	SHAFT DIA.
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"

NOTE: Above suggested data should serve as a guideline, Tapco Inc. assumes no liability from their use.

## CONVERSION TABLE

### Inches to Millimeters

Fractions	Decimals	Millimeters	Millimeters	Decimals	Fractions
	.0156	.3969	13.0969	.5156	
1/32	.0312	.7938	13.4938	.5312	17/32
	.0469	1.1906	13.8906	.5469	
1/16	.0625	1.5875	14.2875	.5625	9/16
	.0781	1.9844	14.6844	.5781	
3/32	.0938	2.3813	15.0813	.5938	19/32
	.1094	2.7781	15.4781	.6094	
<b>1/8</b>	<b>.125</b>	<b>3.1750</b>	<b>15.8750</b>	<b>.625</b>	<b>5/8</b>
	.1406	3.5719	16.2719	.6406	
5/32	.1562	3.9688	16.6688	.6562	21/32
	.1719	4.3656	17.0656	.6719	
3/16	.1875	4.7625	17.4625	.6875	11/16
	.2031	5.1594	17.8594	.7031	
7/32	.2188	5.5563	18.2563	.7188	23/32
	.2344	5.9531	18.6531	.7344	
<b>1/4</b>	<b>.250</b>	<b>6.3500</b>	<b>19.0500</b>	<b>.750</b>	<b>3/4</b>
	.2656	6.7469	19.4469	.7656	
9/32	.2812	7.1438	19.8438	.7812	25/32
	.2969	7.5406	20.2406	.7969	
5/16	.3125	7.9375	20.6375	.8125	13/16
	.3281	8.3344	21.0344	.8281	
11/32	.3438	8.7313	21.4313	.8438	27/32
	.3594	9.1281	21.8281	.8594	
<b>3/8</b>	<b>.375</b>	<b>9.5250</b>	<b>22.2250</b>	<b>.875</b>	<b>7/8</b>
	.3906	9.9219	22.6219	.8906	
13/32	.4062	10.3188	23.0188	.9062	29/32
	.4219	10.7156	23.4156	.9219	
7/16	.4375	11.1125	23.8125	.9375	15/16
	.4531	11.5094	24.2094	.9531	
15/32	.4688	11.9063	24.6063	.9688	31/32
	.4844	12.3031	25.0031	.9844	
<b>1/2</b>	<b>.500</b>	<b>12.7000</b>	<b>25.4000</b>	<b>1.000</b>	<b>1</b>



## CC-HD & CC-XD AGRICULTURAL ELEVATOR BUCKETS BOX DIMENSIONS

SIZE (Nominal) Millimeter	SIZE (Nominal) Inches	Number Per Carton	Length (Inches)	Width (Inches)	Depth (Inches)	Cubic Feet Per Box	Cubic Meters Per Box
80-60	3 X 2	24	13	8-1/2	4	0.3	.01
120-80	4 X 3	24	19	11	5-1/4	0.6	.02
140-120	5 X 4	24	14-3/4	12	12	1.2	.03
160-120	6 X 4	24	14-3/4	12	14	1.4	.04
180-120	7 X 4	24	14-3/4	12	16	1.6	.05
160-140	6 X 5	24	23-3/4	11-3/4	14	2.3	.06
180-140	7 X 5	24	23-3/4	11-3/4	16	2.5	.07
200-140	8 X 5	24	21-3/4	12	17-3/4	2.7	.08
230-140	9 X 5	24	21-3/4	12	19-3/4	3.0	.09
260-140	10 X 5	24	23-3/4	12	21-3/4	3.6	.10
280-140	11 X 5	24	23-3/4	12	23-3/4	3.9	.11
300-140	12 X 5	24	23-3/4	12	25-3/4	4.2	.12
200-160	8 X 6	24	21	19-3/4	17-3/4	4.3	.12
230-160	9 X 6	24	21	19-3/4	19-3/4	4.7	.13
260-160	10 X 6	24	21	19-3/4	21-3/4	5.2	.15
280-160	11 X 6	24	21	19-3/4	23-3/4	5.7	.16
300-160	12 X 6	24	21	19-3/4	25-3/4	6.2	.17
330-160	13 X 6	12	21	18-3/4	14	3.4	.10
350-160	14 X 6	12	21	18-3/4	15	3.4	.10
260-180	10 X 7	8	43-3/4	12	8-1/4	2.5	.07
280-180	11 X 7	8	43-3/4	13	8-1/4	2.8	.08
300-180	12 X 7	8	43-3/4	14	8-1/4	2.9	.08
330-180	13 X 7	8	43-3/4	15	8-1/4	3.1	.09
350-180	14 X 7	8	43-3/4	16	8-1/4	3.4	.10
370-180	15 X 7	8	43-3/4	17	8-1/4	3.6	.10
400-180	16 X 7	8	43-3/4	18	8-1/4	3.8	.11
450-180	18 X 7	8	43-3/4	20	8-1/4	4.2	.11
500-180	20 x 7	8	43-3/4	22	8-1/4	4.6	.12
260-215	10 X 8	8	49-1/4	9-1/4	12	3.2	.09
280-215	11 X 8	8	49-1/4	9-1/4	13	3.4	.09
300-215	12 X 8	8	49-1/4	9-1/4	14	3.6	.10
330-215	13 X 8	8	49-1/4	9-1/4	15	3.9	.11
350-215	14 X 8	8	49-1/4	9-1/4	16	4.2	.11
370-215	15 X 8	8	49-1/4	9-1/4	17	4.5	.12
400-215	16 X 8	8	50-3/8	10-7/8	18-1/4	5.6	.14
450-215	18 X 8	8	50-3/8	9-7/8	20-1/4	5.7	.15
500-215	20 X 8	8	49-7/8	10-3/8	22-1/2	6.6	.18
400-250	16 X 9	6	45	17	10	4.5	.12
500-250	20 X 9	6	45	21-1/2	10	5.5	.15
500-260	20 X 10	6	49	22	12	7.4	.20

Box Sizes Subject to Change Without Notice.

## U-HD AGRICULTURAL ELEVATOR BUCKETS

### BOX DIMENSIONS

SIZE (Nominal) Millimeter	SIZE (Nominal) Inches	Number Per Carton	Length (Inches)	Width (Inches)	Depth (Inches)	Cubic Feet Per Box	Cubic Meters Per Box
120-80	4 X 3	24	19	11	5-1/4	0.6	.02
160-120	6 X 4	24	18-1/2	8-3/4	12-3/4	1.2	.03
180-120	7 X 4-1/2	24	18-1/2	8-3/4	14-3/4	1.4	.04
230-150	9 X 5-1/2	24	21-3/4	12	19-3/4	3.0	.09
280-150	11 X 5-1/2	24	21	19-3/4	23-3/4	5.7	.16
280-180	11 X 7	8	43-3/4	13	8-1/4	2.8	.08

## SUPER EUROBUCKET AGRICULTURAL STYLE

### BOX DIMENSIONS

SIZE (Nominal) Millimeter	SIZE (Nominal) Inches	Number Per Carton	Length (Inches)	Width (Inches)	Depth (Inches)	Cubic Feet Per Box	Cubic Meters Per Box
100-90	4 X 3-1/2	20	18	8	5	.4	.02
130-120	5 X 4-1/2	20	21	11	6	.8	.03
140-120	6 X 5	20	21	11	7	1.0	.03
180-140	7 X 5-1/2	20	24	13	9	1.8	.05
200-140	8 X 5-1/2	20	24	13	9	1.8	.05
230-160	9 X 6-1/2	20	28	14	11	2.5	.07
280-165	11 X 6-1/2	20	26	13-1/4	12	2.4	.07
300-180	12 X 7	20	32	16	13	3.9	.11
330-215	13 X 8-1/2	15	28	18-1/4	14-1/4	4.1	.12
370-215	15 X 8-1/2	15	26-1/4	18-1/2	16	4.3	.13

## AA INDUSTRIAL ELEVATOR BUCKETS

### BOX DIMENSIONS

**Style AA NYLON, POLYETHYLENE AND URETHANE BUCKETS**

SIZE (Nominal) Millimeter	SIZE (Nominal) Inches	Number Per Carton	Length (Inches)	Width (Inches)	Depth (Inches)	Cubic Feet Per Box	Cubic Meters Per Box
120-70	4 X 2-3/4	84	14-3/4	12	12	1.2	.03
140-90	5 X 3-1/2	90	27	15	13	3.1	.08
160-120	6 X 4	32	14-3/4	12	16	1.6	.05
180-120	7 X 4-1/2	36	23-3/4	11-3/4	16	2.5	.07
200-140	8 X 5	36	21-3/4	12	17-3/4	2.7	.08
260-160	10 X 6	24	21	18-3/4	14	3.4	.10
300-180	12 X 7	14	45-1/2	13-1/2	8-1/4	2.9	.08
350-180	14 X 7	12	45-1/2	16	8-3/8	3.5	.10
350-215	14 X 8	14	51-1/2	9	16	4.0	.11
400-215	16 X 8	12	51-1/2	9	17	4.6	.13
450-215	18 X 8	12	51-1/2	9	19	5.1	.14
450-260	18 X 10	6	35	19-1/2	12	4.8	.13

Box Sizes Subject to Change Without Notice.



## TERMS AND CONDITIONS OF SALE

### TERMS OF SALE AND CREDIT

For accounts with credit approved by Tapco Inc.:

**NET 30** days from date of invoice.

Invoices for freight charges payable upon receipt. All invoices due and payable in U.S. Funds only. 1-1/2% per month interest charged on past due accounts (18% per annum). If it is necessary to refer the account balance to a collection agency or attorney for legal action, applicant shall pay all subsequent charges and legal fees.

**NOTE:** Terms are from date of invoice (shipping date), not from receipt of goods.

Accounts without approved credit (No signed application, NSF checks, past due amounts, or refused credit) may choose: collect on delivery (COD), bank cashiers check or irrevocable letter of credit with order. Credit cards accepted are Visa, MasterCard and American Express.

### ACCEPTANCE OF PURCHASE ORDERS:

Orders to purchase Tapco products will be deemed accepted at Tapco Inc.'s principal office in St. Louis County, Missouri. The terms of all agreements and contracts, and disputes regarding Tapco products shall be governed by Missouri law.

### TAXES:

Payments of any taxes not collected by Tapco Inc. are the responsibility of the buyer.

### F.O.B.:

Shipping Point, Bridgeton (St. Louis), Missouri U.S.A.

Shortages or damages to shipments while in transit are the responsibility of the carrier.

### DELIVERY:

Shipping at Tapco Inc.'s convenience in single lot or several lots.

Specified delivery dates are subject to Tapco Inc.'s approval.

### DROP SHIPMENTS:

No penalty for direct shipments to your customers.

### RETURNED GOODS AND CANCELLATION OF ORDERS:

No merchandise may be returned without prior authorization from Tapco Inc. and returns are subject to Tapco Inc.'s inspection. All returns or cancellations must be in writing. All authorized returns must be shipped freight prepaid and are subject to a restocking charge of 15-25% (minimum restock fee is \$25.00) depending on the condition of the goods.

No labor or packaging charges are refundable. Any charges incurred by Tapco Inc. in connection with the returned merchandise are the responsibility of the buyer. Stock orders may be cancelled prior to shipment and are subject to production & labor expenses and any cancellation fee. Special ordered or fabricated items may not be returned for credit or refund.

This includes but is not limited to: special drilled or vented buckets, drilled style AA buckets, special or fabricated steel buckets, special ordered fasteners, non-stocked drag flights and cut or fabricated sheeting. Credit will be issued for future purchases only, no cash refunds.

### EXPORT:

Special crating for export shipments is available. Contact Tapco Inc. for a quotation.

Duties, import fees, and other charges on foreign shipments are the responsibility of the buyer.

### SMALL ORDER CHARGE:

A \$15.00 net charge will be added to all invoices having a net value of less than \$50.00.

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Tapco Inc. warrants its products to be free from defects in material and workmanship at the time of shipment. It is further warranted that Tapco products meet all specifications as represented in Tapco's literature. Warranty does not apply to goods improperly installed, damaged in transit, misused, improperly maintained, or goods repaired or modified without prior written approval from Tapco Inc.

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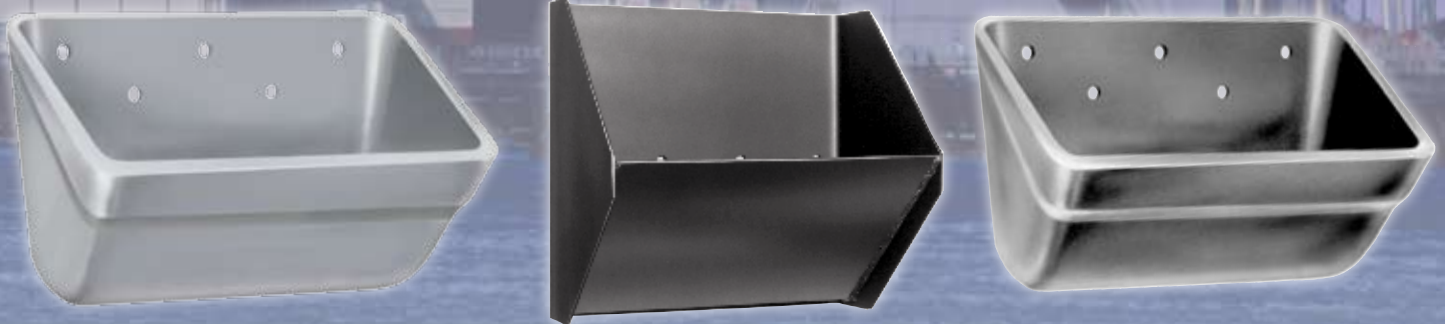
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