



Z TYPE PLASTIC BUCKETS

FLAP

SYSTEM



HORIZONTAL
AND VERTICAL
MOVEMENT



REDUCED
MECHANICAL
DAMAGE OF
TRANSPORTED
MATERIAL



INLET AND OUTLET
FLEXIBILITY AT
DIFFERENT
CONVEYOR POINTS



Ucelo

PLASTIC BUCKETS

Z TYPE



Ucelo's Z-Type buckets are highly durable and have been developed for continuous operations with fragile products. They are suitable for mounting on chain elevators in Z, C, S, and similar formats. Highly versatile, they feature a Flap System, allowing for horizontal and vertical movement with low mechanical damage of the transported material. They offer high flexibility in inlet and outlet at different points along the conveyor.



Up to 70% more cost-effective in acquisition compared to the equivalent in metal.



Up to 50% lighter than the metallic equivalent.



100% non-toxic.



No explosion risk due to sparking.



Higher factor of memory recovery after impact.



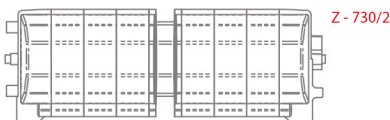
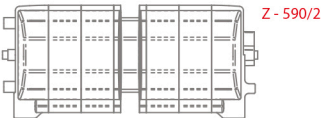
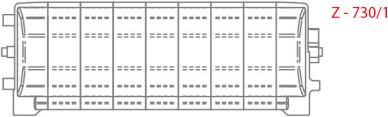
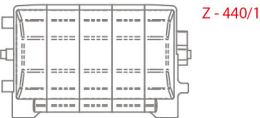
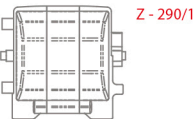
APPLICATIONS:

Seeds; Pet Food; Pharmaceutical; Shelled Nuts; Peanuts; Chips and Potato Chips; Sweets and Chocolates; Cereals; Coffee; Confectionery; Dehydrated Foods; Fertilizers; Flour; Metal Parts; Insecticides; Pasta and Derivatives; Animal Feed; Plastic Granules; Various Powders; Rice; Seeds; Nuts; Small Plastic Parts; Snacks; Soaps; Toys; Vegetables.

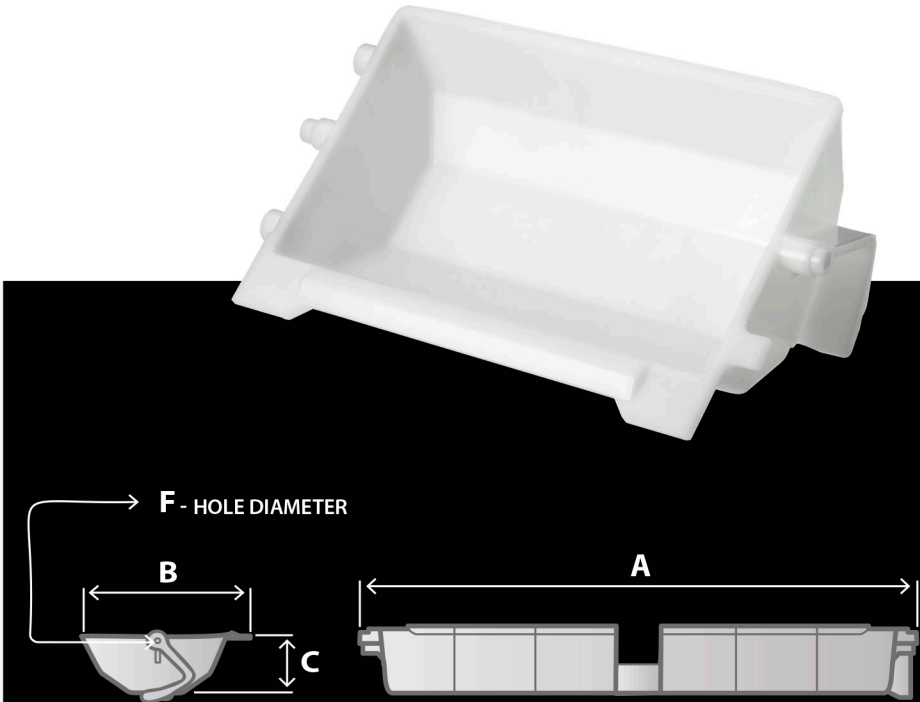
CUSTOMIZE Z-TYPE BUCKETS ACCORDING TO YOUR OPERATION.

- Length
- Number of Cavities
- Cavity Dimensions

Properly suited for 2062 model chain.



Illustrative setups.



| MODEL | A | B | C | F |
|---------|-----|-----|-----|----|
| Z - 290 | 289 | 260 | 105 | 19 |
| Z - 440 | 437 | 260 | 105 | 19 |
| Z - 590 | 587 | 260 | 105 | 19 |
| Z - 730 | 734 | 260 | 105 | 19 |
| Z - 890 | 887 | 260 | 105 | 19 |

- Measurements may have slight variations of approximately ±2mm based on the materials used.



APPLICATIONS:

HDPE
High-Density Polyethylene

HDPE EAGLE
Ucelo's HDPE Formulation,
+ Impact and Abrasion Resistance

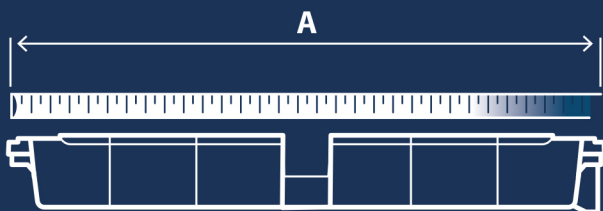
RELIABILITY

Safety: No explosion risk due to sparking;

Memory Recovery: Plastic buckets have a post-impact memory factor, a natural property of the polymer to return to its initial state after deformation caused by stress and impact, a characteristic lacking in metal counterparts.

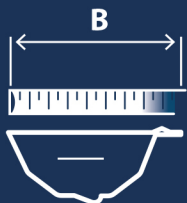
Maintenance: The weight loss achieved by using plastic buckets reduces the proportional strain on the belt, shaft (or spindle), and drive mechanism, thus extending the lifespan of these components and reducing maintenance requirements.

HOW TO MEASURE YOUR BUCKET



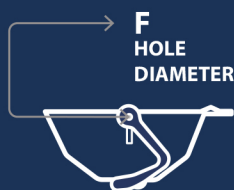
WIDTH

Measured horizontally from one end to the other.



PROJECTION

Measured laterally.



HEIGHT

Measured vertically.



UCELO

Ucelo produces over 200,000 units of Plastic Elevator Buckets monthly, providing solutions to customers for their new equipment or replacements. Since 2007, we've been working towards the concept of providing solutions, and in 2016, we took a major step by establishing our Engineering department. Its primary goal is to work consistently on improving three key aspects:

Polymers: Through studies and simulations, we select high-performance materials, enabling various applications for our buckets, including grains (soy, corn, wheat, rice, etc.), sugar, fertilizers, among others, in both intermittent and full-scale industrial port operations.

Structural: Testing tensile strength, impact resistance, and abrasion resistance, both in the real world and virtually, to strategically apply material mass in the component.

Geometry: Using software simulations that mimic the movements of solid particles, we work on enhancing the geometry of our buckets to provide the best transport factor per unit.

PLEASE CONSULT OUR
ENGINEERING DEPARTMENT.

CONSULT OUR TECHNICAL DEPARTMENT FOR
FURTHER INFORMATION.

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face



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