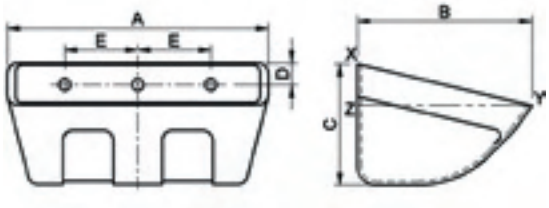
Bulk Materials Handling Products at Competitive Prices

M Type HDPE/NYLON/PU

FEATURES

- Medium bottom bucket for agricultural use.
- Optimised bucket design:
  - Thicker leading edges for increased abrasion resistance
  - Reinforced ribs for greater structural integrity
  - Optimum discharge angle
  - High water level for greater capacity
- Ideal for handling grains, feeds, fertilizers, seeds, salt and chemicals, etc.



Usage Recommendations

- *Minimum bucket spacing: bucket depth "C" +5mm.*
- *For engineering purposes, we recommend using " (Z-Y) +10%" for usable capacity.*
- *Mounting holes can be customised on request.*
- *Venting holes are available in 5 patterns on request*

TECHNICAL SPECIFICATIONS

Model	Bucket Dimension* (mm)			Mounting Holes (mm)				Capacity (L)			Carton Packaging	
	Length A	Proj. B	Depth C	Center to Center E	Number of Holes	Hole Diameter	Distance Down D	X-Y	(Z-Y)+10%	Z-Y	Dimension L X W X H (mm)	Quantity per Carton
M1009	105	95	67	50	2	9	20	0.33	0.28	0.25	650*450*500	320
M1312	138	120	90	70	2	8	25	0.7	0.55	0.5	650*450*500	192
M1814	186	150	110	100	2	9	30	1.75	1.49	1.35	650*430*450	90
M2014	215	155	110	100	2	9	30	1.98	1.74	1.58	650*430*450	60
M2814	285	150	110	90	3	9	30	2.6	2.42	2.2	650*450*500	52
M2316	250	168	132	120	2	9	35	3	2.53	2.3	770*480*450	72
M2816	290	168	132	80	3	9	35	3.5	2.97	2.7	650*450*350	40
M3021	315	225	168	100	3	11	50	6.5	5.5	5	650*450*500	28
M3321	340	225	168	120	3	11	50	7.1	5.94	5.4	770*480*450	28
M3721	384	225	168	90	4	11	50	8.1	6.82	6.2	770*480*450	28
M4421	458	225	168	90	5	11	50	9.8	8.25	7.5	770*480*450	24
M5021	519	225	168	100	5	11	50	10.76	9.46	8.6	650*450*500	12

* Actual dimensions of the buckets will vary slightly depending on specified raw material. The dimensions shown above are for HDPE buckets. Size A, B and C for Nylon and Urethane buckets will be about dimensionally 2% larger than HDPE buckets.

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Elevator Buckets

Over 12 different bucket styles available for agricultural and industrial applications.

A direct replacement for many other international brands.

Unique bucket design with multiple patents.

Our buckets are well regarded worldwide for their high quality to price ratio.

BUCKET MATERIAL OPTIONS

Material	Mild Steel	Stainless	HDPE	Nylon 6	Reinforced Nylon	PU
Cost						
Wear Resistance						
Impact Resistance						
FDA Food Approved	X	√	√	√	√	X
Max Temp℃ Continuous	180+	250+	70	100	110	60
Max Temp℃ Peak	220	400	80	120	130	70

HDPE: Tough and flexible, suitable for handling grains, foodstuffs, and other products with no sharp edges and material that has a bulk density of less than 1g/cm^3.

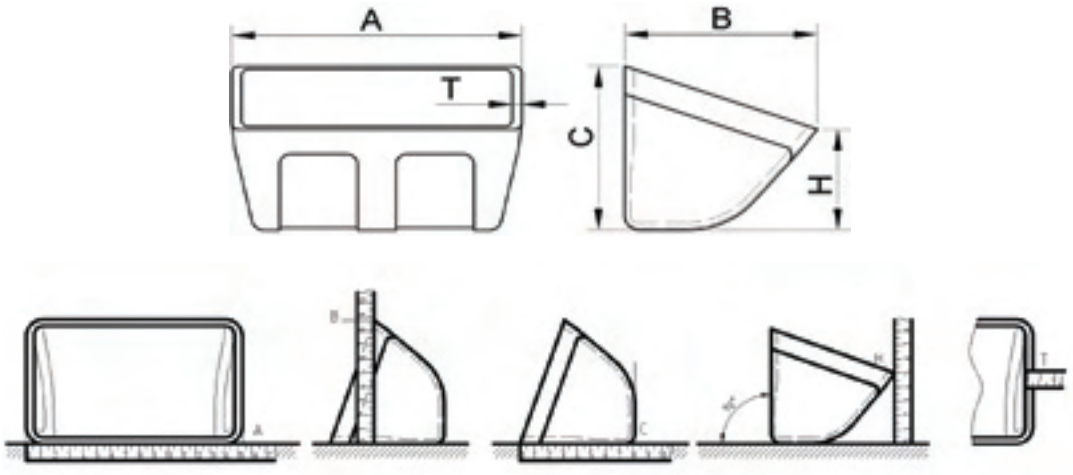
Nylon: High impact and abrasion resistance, better heat resistance and are well suited for handling hot, abrasive and sticky products.

PU: Extremely abrasion resistance, tough and flexible, and are suitable for handling sharp, cutting and sticky products.

Mild Steel: General purpose, long life, well suited to agricultural and industrial products.

Stainless Steel: Food grade, corrosive resistance, suitable for food and high temperature applications.

MEASURE AN ELEVATOR BUCKET



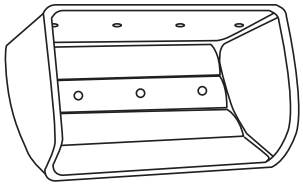
ELEVATOR BUCKET VENTING

Bucket with venting holes 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 products in the cup and cause backlegging.

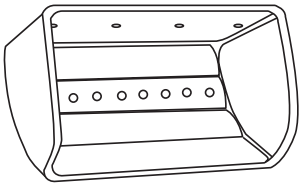
On extremely light materials such as alfalfa meal, screenings and bran, a vented bucket not only minimizes blowing of the product during loading and discharge, but also reduces air turbulence in the leg as the bucket travels empty down the return side of the elevator. A reduction in air currents minimizes the vacuum which can draw a light product through the down leg and back to the boot.

Four standard patterns air available. Customised patterns are available upon request.

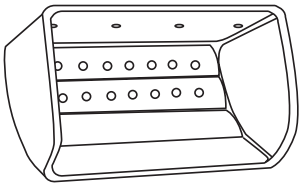
Venting Options



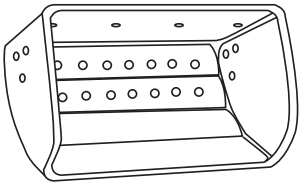
Vent Pattern 1
One row of 6mm or 8mm holes in body with same hole center and number of holes as mounting holes in back.



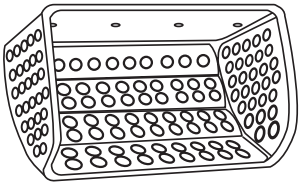
Vent Pattern 2
One row of 6mm or 8mm holes in body on 25mm centers.



Vent Pattern 3
Two rows of 6mm or 8mm holes in body on 25mm centers.



Vent Pattern 4
Two rows of 6mm or 8mm holes in body on 25mm centers, three holes of 6mm or 8mm on each side.



Custom Vent
Vented as required.