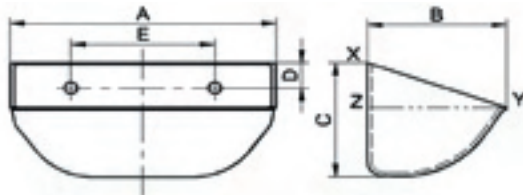


SM Type Carbon Steel



FEATURES

- Medium bottom style to achieve the maximum individual capacity, while still maintaining the perfect fill and discharge characteristics of the original S type steel bucket.
- Monobloc pressed seamless construction. The smooth inner and outer surface finish, assist with a cleaner discharge of products.
- Well suited to high temperature applications, or where heavy products or sharp products are likely to be elevated.



Usage Recommendations

- Minimum bucket spacing: bucket depth "C" +5mm.
- For engineering purpose, we recommend use "(Z-Y) + 10%" as usable capacity.
- Special thickness is available on request.
- Venting holes are available in 5 patterns on request.

TECHNICAL SPECIFICATIONS

| Model | Bucket Dimension (mm) | | | | Mounting Holes (mm) | | | | Capacity (L) | | | Weight per Item (Kg) | Quantity per M ³ |
|--------|-----------------------|---------|---------|-------------|---------------------|-----------------|---------------|-----------------|--------------|-----------|------|----------------------|-----------------------------|
| | Length A | Proj. B | Depth C | Thickness | Center to Center E | Number of Holes | Hole Diameter | Distance Down D | X-Y | (Z-Y)+10% | Z-Y | | |
| SM0808 | 85 | 80 | 58 | 1.0 | 43 | 2 | 8 | 16 | 0.21 | 0.19 | 0.18 | 0.11 | 1080 |
| SM1009 | 106 | 89 | 66 | 1.0 | 50 | 2 | 9 | 20 | 0.33 | 0.28 | 0.25 | 0.14 | 825 |
| SM1312 | 138 | 120 | 88 | 1.5 | 70 | 2 | 9 | 25 | 0.82 | 0.7 | 0.64 | 0.4 | 675 |
| SM1612 | 170 | 130 | 124 | 1.5/2.0 | 100 | 2 | 9 | 35 | 1.31 | 0.98 | 0.89 | 0.54/0.71 | 675 |
| SM1614 | 168 | 147 | 112 | 1.5/2.0 | 100 | 2 | 9 | 30 | 1.58 | 1.32 | 1.20 | 0.63/0.8 | 540 |
| SM1814 | 188 | 147 | 112 | 1.5 | 100 | 2 | 9 | 30 | 1.77 | 1.52 | 1.38 | 0.68 | 600 |
| SM2314 | 234 | 147 | 112 | 1.5/2.0 | 120 | 2 | 9 | 32 | 2.30 | 1.96 | 1.78 | 0.81/1.08 | 600 |
| SM2814 | 288 | 147 | 112 | 1.5/2.0 | 100 | 3 | 9 | 32 | 2.91 | 2.49 | 2.26 | 1.05/1.36 | 600 |
| SM2015 | 208 | 152 | 112 | 1.5 | 100 | 2 | 9 | 32 | 2.00 | 1.68 | 1.53 | 0.75 | 480 |
| SM2316 | 234 | 160 | 122 | 1.5 | 70 | 3 | 9 | 32 | 2.70 | 2.31 | 2.10 | 0.88 | 480 |
| SM2616 | 264 | 165 | 128 | 2.0 | 80 | 3 | 11 | 35 | 3.28 | 2.81 | 2.55 | 1.4 | 480 |
| SM2816 | 288 | 165 | 130 | 2.0/3.0 | 80 | 3 | 11 | 38 | 3.64 | 3.10 | 2.82 | 1.56/2.35 | 525 |
| SM3016 | 308 | 165 | 135 | 2.0/3.0 | 100 | 3 | 9 | 36 | 3.88 | 3.20 | 2.90 | 1.65/2.5 | 420 |
| SM3316 | 340 | 165 | 135 | 2.0/3.0 | 110 | 3 | 11 | 38 | 4.40 | 3.85 | 3.50 | 1.9/2.9 | 420 |
| SM3516 | 361 | 167 | 130 | 2.0 | 89 | 4 | 11 | 38 | 4.50 | 4.02 | 3.65 | 1.88 | 350 |
| SM2818 | 290 | 182 | 138 | 2.0/2.5/3.0 | 80 | 3 | 11 | 38 | 4.50 | 3.85 | 3.50 | 1.72/2.08/2.58 | 280 |
| SM3018 | 308 | 182 | 140 | 2.0/3.0 | 100 | 3 | 9 | 36 | 4.50 | 3.85 | 3.50 | 1.8/2.7 | 1080 |
| SM3318 | 340 | 182 | 140 | 2.0 | 110 | 3 | 11 | 38 | 5.20 | 4.40 | 4.00 | 2.05 | 825 |
| SM3518 | 362 | 182 | 140 | 2.0/3.0 | 120 | 3 | 11 | 38 | 5.50 | 4.51 | 4.10 | 2.1/3.2 | 675 |
| SM3718 | 385 | 195 | 140 | 2.5 | 89 | 4 | 11 | 38 | 6.40 | 5.39 | 4.90 | 2.8 | 675 |
| SM3021 | 310 | 218 | 163 | 2.5 | 100 | 3 | 11 | 50 | 6.70 | 5.72 | 5.20 | 2.98 | 540 |
| SM3321 | 340 | 215 | 163 | 2.0/3.0 | 120 | 3 | 11 | 50 | 7.20 | 6.22 | 5.65 | 2.32/3.5 | 600 |
| SM3521 | 362 | 215 | 162 | 2.5 | 120 | 3 | 11 | 50 | 7.60 | 6.45 | 5.86 | 3.14 | 600 |
| SM3721 | 383 | 218 | 160 | 2.5/3.0 | 89 | 4 | 11 | 50 | 8.60 | 7.13 | 6.48 | 3.27/3.94 | 600 |
| SM4521 | 464 | 215 | 163 | 3.0 | 89 | 5 | 11 | 50 | 10.10 | 8.47 | 7.70 | 4.5 | 480 |
| SM5021 | 515 | 215 | 163 | 3.0 | 100 | 5 | 11 | 50 | 11.25 | 9.80 | 8.91 | 4.8 | 480 |

Note: Steel buckets are supplied complete with standard recessed holes. Special drilling is available on request.

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 °C Continuous | 180+ | 250+ | 70 | 100 | 110 | 60 |
| Max Temp °C 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/cm³.

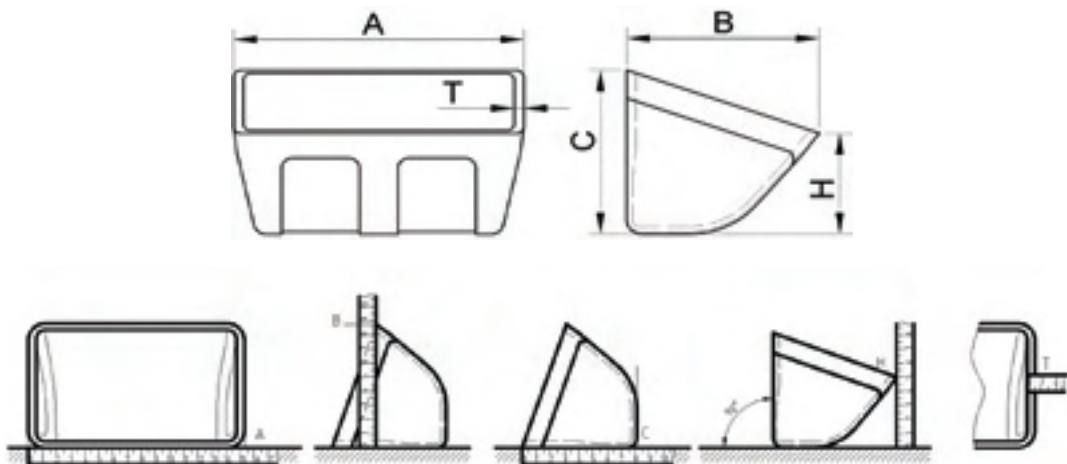
Nylon: High impact and abrasion resistance, better heat resistance and are well suited for handling hot, abrasive and sticky products.

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



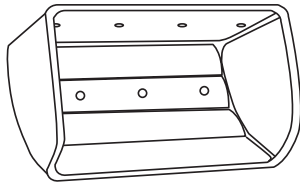
ELEVATOR BUCKET VENTING

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.

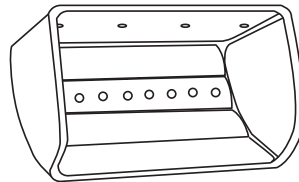
Four standard patterns air available. Customised patterns are available upon request.

Venting Options



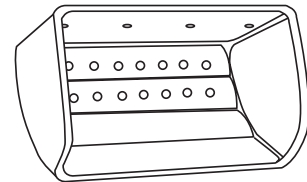
Vent Pattern 1

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



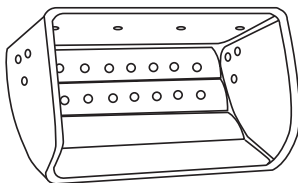
Vent Pattern 2

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



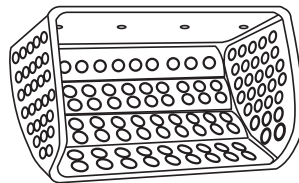
Vent Pattern 3

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.

