

HIGH EFFICIENCY™ Elevator Buckets



The basis of a 4B bucket style has always been engineering and our expertise in providing comprehensive solutions. In keeping with these core values, we designed our family of High Efficiency elevator buckets to deliver the maximum possible elevator leg throughput for the lowest cost per ton or bushel. Every bucket in every line of the High Efficiency family has five distinct features, each of which conveys efficiency. Only 4B High Efficiency elevator buckets have all five features.

MODERN HIGH EFFICIENCY DESIGN

1. SMOOTH FRONT FACE

A smooth interior face and side walls, with no “breaks”, deliver an efficient and unencumbered discharge over higher speeds.



2. WING-LESS SIDE WALLS

Wing-less side walls maximize the most efficient use and cost of materials.



3. CLOSER SPACING

The ability to be mounted extremely close together provides the most efficient use of vertical space on the belt.



4. TAPERED BOTTOMS

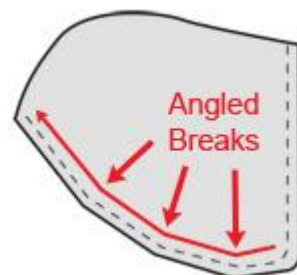
Tapered bottoms allow the buckets to fill and discharge with maximum efficiency over higher speeds.

They also create a low digging factor which means less material

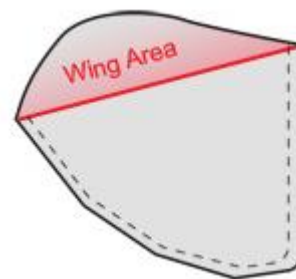


TRADITIONAL DESIGN

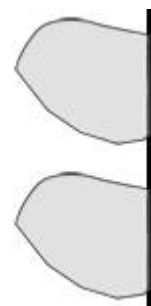
Other designs have angled “breaks” which provide no benefit to discharge efficiency. These “breaks” merely copy a feature from the first sheet metal buckets introduced in the 1920's.



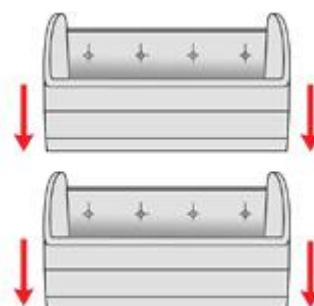
Other buckets have a wing or “ear” on both sides which adds cost and weight, while offering no functional benefit.



Other buckets are too deep to be mounted closely together or must be modified from their standard design, adding to the cost.



The vertical sides, wings and perpendicular bottoms of other buckets impede the flow of materials into and out of the bucket.



resistance & degradation and
fewer forces on the bucket system.

5. NESTING / STACKING

Nesting inside one another
efficiently reduces the amount of
space and costs associated with
shipping and storage.



Nesting is not possible with
other bucket designs. More
packing materials and space
are required for these buckets.

