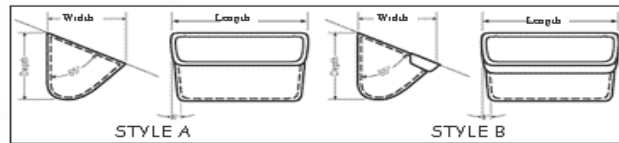


### BUCKET ELEVATORS

**mit-mol** Bucket Elevators offers a practical, efficient and economical means of elevating a wide variety of dry and free flowing bulk materials. Typical elevators consist of a series of buckets mounted on chain or belt and enclosed in steel casings. Mit-Mol Bucket Elevators are designed to cover practically every need in elevating loose bulk material. For every material there is a choice of one or more types and sizes which will serve your needs. *We manufacture:-*

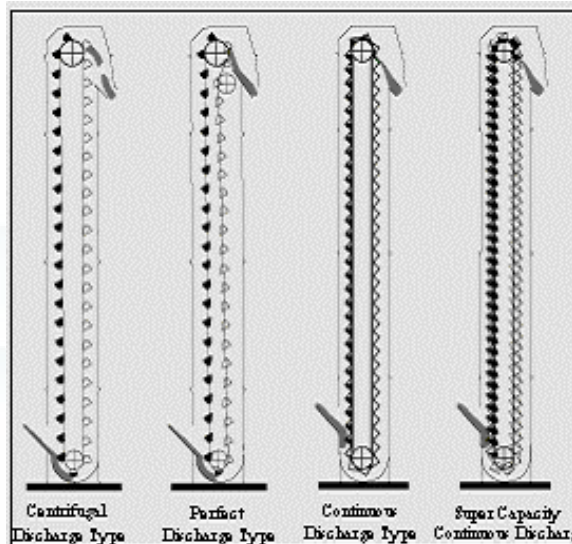
#### ➤CENTRIFUGAL DISCHARGE CHAIN / BELT TYPE

Centrifugal discharge elevators are the most frequently used type for free-flowing, fine or small lump material, such as grain, coal, sand, clay, sugar, cullet and dry chemicals. Buckets are "A" or "B" malleable iron or steel and mounted at intervals on a belt or chain. They usually operate vertically but are sometimes inclined. Buckets are loaded by a combination of material flowing into buckets and by scooping from a boot, the lowest part of the elevator. Speeds are relatively high and governed by head wheel diameter and its relation to centrifugal discharge action.

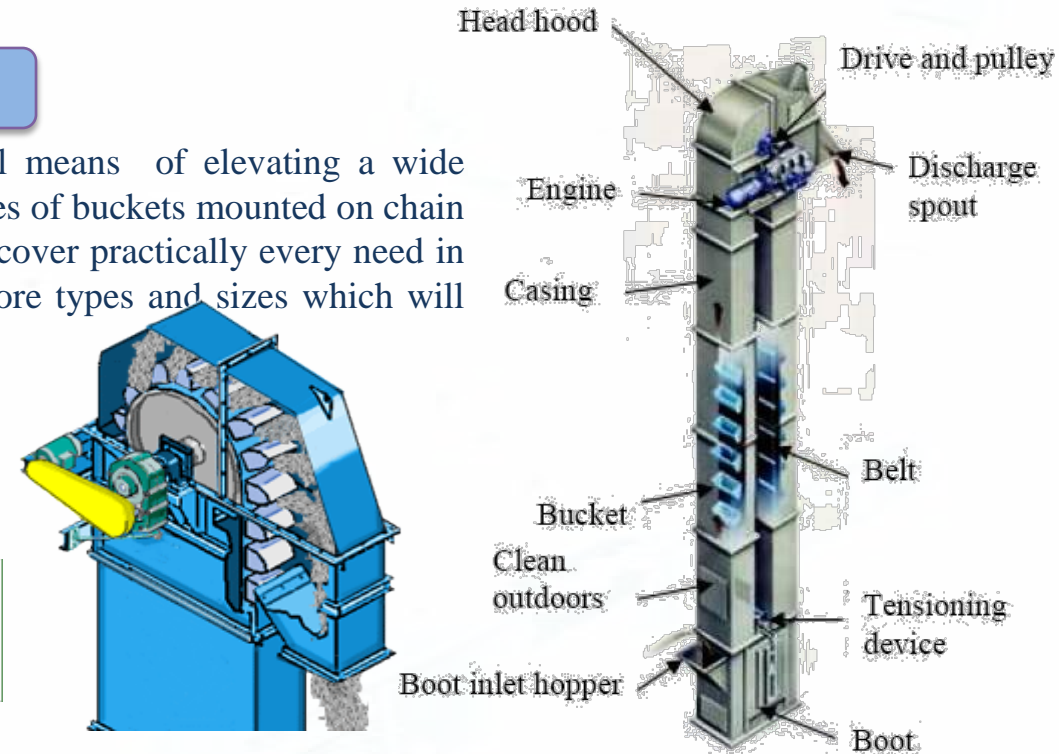
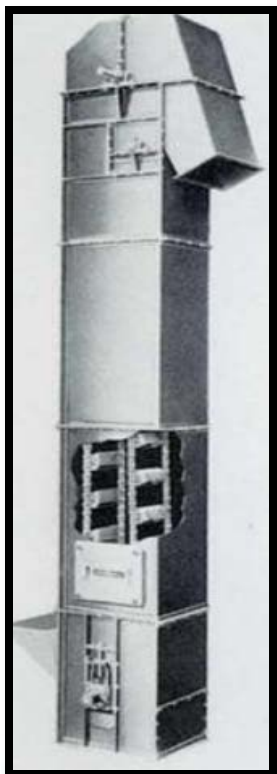
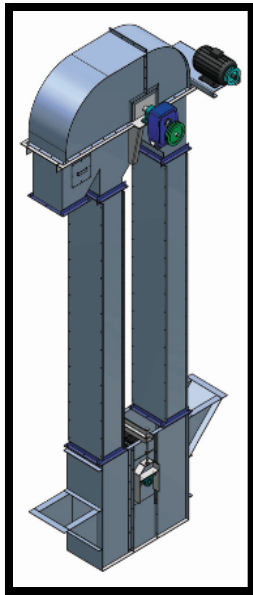


#### ➤PERFECT / POSITIVE CHAIN TYPE

**Positive Discharge Elevators** are similar to the centrifugal discharge type, except that buckets are snubbed back under head sprockets to gain a more complete discharge at a slower chain speed. The elevators usually handle light aerated, dusty and sticky materials that won't discharge cleanly from a centrifugal discharge elevator. The "A" or "B" malleable iron /steel/PVC buckets are mounted at intervals on two strands of chain. Providing a capacity equal to the centrifugal discharge type requires larger buckets or closer spacing.



*All units are available in Carbon Steel, Stainless Steel, Galvanized Steel or Wooden Construction and are available with head service platforms, ladders and safety cages.*



#### ➤CONTINUOUS DISCHARGE CHAIN / BELT TYPE

**Continuous bucket elevators** are recommended for large capacity heavy-duty service. The buckets are steel, mounted continuously on single or double strands of chain, or on a belt. The elevators can be either vertical or inclined. As the buckets pass over the head wheel, the flanged front of the preceding bucket acts as a chute to lower the material to the discharge spout. This discharge method, plus the slower speed, minimizes breakage of fragile materials. These elevators are not the self-digging type. As a result, they require a loading leg and a deeper pit than other elevator styles.

**Super Capacity Continuous Bucket Elevators** handle the same materials as the continuous bucket elevators in the larger capacities. They are used for run-of-mine or sized coal, stone, ore and the like. The steel buckets, mounted between strands of roller chain, operate slowly. The construction of the bucket provides a greater capacity than the standard continuous type, but with the same means of loading and discharging. The elevators are built in both vertical and inclined styles. The vertical model has steel guides and the inclined type has tracks. Inclined types can be either open or enclosed.

