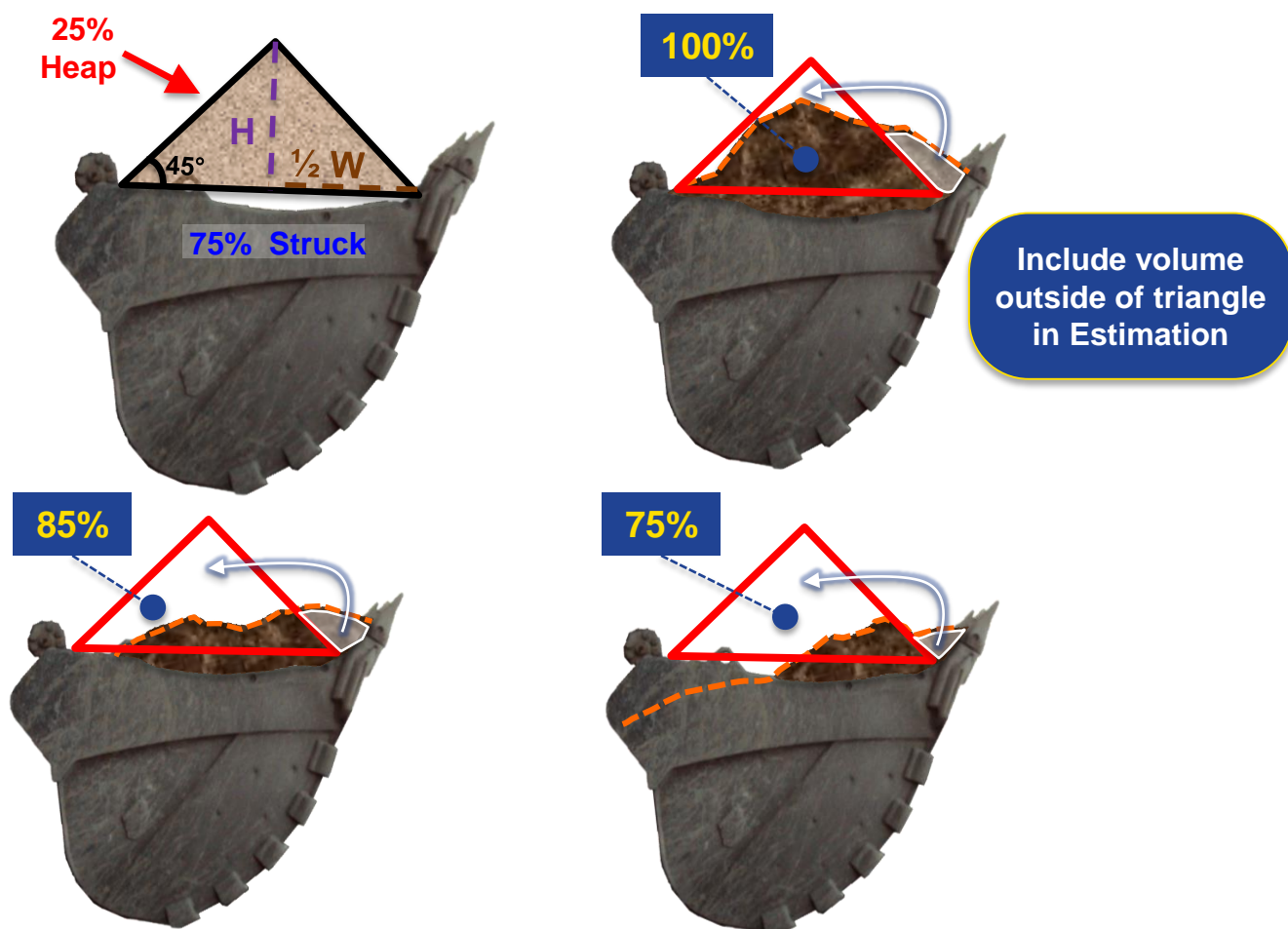


TIP OF THE WEEK

MODEL Backhoe Excavators FEATURE BUCKET FILL ESTIMATION

Rated Bucket Capacity has two components: **Struck** and **Heap**

- The **Struck** capacity is the volume below a straight line from the cutting edge to the bucket back sheet. It comprises 75% of the rated bucket capacity.
- The remaining 25% is the **Heap** volume. The rated heap volume is based on the **Height** of the heaped material being equal to $\frac{1}{2}$ of the bucket **Width**.
- The Rated Capacity of Excavator Buckets follow SAE J296 / ISO7451 Standards



Usually, excavator operations strive for consistent bucket fill factors of 90% or greater.

Bucket fill estimation is a vital component to estimate machine productivity.

For additional information, please consult the Product Bulletin, Operator's Manual or Shop Manual. Photos may include optional equipment.

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