

# Dare To Compare



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## SUBJECT: EXCAVATOR BUCKET WEIGHT COMPARISONS

The weight of an excavator bucket can mean different things to different customers. To some, additional weight means additional strength, ruggedness, and toughness. To others, additional weight means less lift capacity and less material that can be handled safely by the excavator.

The bucket manufacturer's published bucket weight is often used by the customer as one of the factors in making a purchasing decision. How accurate are these manufacturer's published bucket weights?

A comparison was made of the following six excavator buckets to determine the difference between the published bucket weights and the actual bucket weights. The specifications for the buckets were taken from available published information. The published bucket weights are for each manufacturer's standard offering. Adjustments were made for weight differences for number of teeth and types of adapters as compared to the manufacturers standard offering.

### GIVEN: 20 MT, 48 in., Heavy Duty Excavator Buckets

Manufacturer	Published Number of teeth	Published Weight (lbs.)	Actual Weight as Shown (lbs.)	Adjusted Weight for Standard Teeth (lbs.)	Actual Adjusted Weight vs. Published Weight (lbs.)
Central Fabricators	6	1853	1972	1972	+ 119 6%
C&P	6	2400	2350	* 2314	- 86 (4%)
ENTEK	5	2525	1906	1906	- 619 (32%)
Geith	6	2168	1950	* **1869	-299 (16%)
TAG	6	2400	2130	* 2094	-306 (15%)
Werk-Brau	6	2375	2100	* 2064	- 311 (15%)

\* Adjustment for flare teeth

\*\* Adjustment for extra tooth assembly

The manufacturer's published weights are approximate due to differences in amount of weld used and minimal steel and casting thickness variances. However, the approximate published weight should be within a small percentage of the actual weight. As seen in the above chart, this is not always the case. In several of the examples listed, the customer that is perceiving additional weight as strength and ruggedness may not be getting what they expect when comparing the actual weights.

If bucket weight is being stressed as a key selling feature, be sure that the actual weights are known and do not assume that published weights are always accurate.

## EXCAVATOR BUCKET WEIGHT COMPARISONS, cont'd.



**C&P 48200E2 4% Overstated weight**



**CF 1.5BH-48 6% Understated weight**



**ENTEK EB40-48 32% Overstated weight**



**Geith HD49K048 16% Overstated weight**



**TAG 48200X2 15% Overstated weight**



**Werk-Brau EX10HD-48 15% Overstated weight**

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