



# HBTC

## Saw Horses for the World™

### How We Build Saw Horses for the World

Our sawhorses are built from lightweight and extremely strong T5 tempered aluminum extrusions, connected without welding using 1/4 x 20 steel screws, each screw having a shear strength rating in excess of 2,000 pounds.

Every HBTC saw horse we build is customized to the needs of the user, any height, any length, with engineered load-ratings that might surprise you! HBTC saw horses have been engineer-designed, and independently tested to destruction to ensure their real-life performance far exceeds their design load ratings.

Every HBTC saw horse is supplied with engineer-stamped submittal drawings you sign back before we manufacture, and carries a serialized nameplate showing maximum load capacity ratings, so you know your facility is getting exactly what you need, documented for your quality control program.

Our aluminum has a permanent clear anodized finish which never deteriorates - keeps the sawhorses looking like new forever. HBTC sawhorses come with color-matched top cap and end caps made of high-density polyethylene, for durability and great performance. Yellow is standard. Red, white and blue are also available at no extra charge. Special colors are available at an extra cost.

### Why not welded?

Unlike steel, the joint where two pieces of aluminum are welded becomes the weak point (the sudden increase and decrease in temperature causes the aluminum to revert back to being as weak as if it were untempered). And, over time, welded joints can become brittle and crack, creating a point of potential failure, creating a serious Health & Safety issue, and corporate liability concern.



### Who Needs Saw Horses Like These?

*"Our Health & Safety Committee advised us we had to stop using wood saw horses because they weren't strong enough for the loads we put on them. We made our own out of steel, but they were so heavy our men could only move them with a forklift. Your aluminum saw horses were the perfect choice."*

**- HBTC Customer**

**HBTC SAW HORSES: INCREDIBLY STRONG, LIGHTWEIGHT, ENGINEERED, INDEPENDENTLY TESTED**

**HorsesBeforeTheCarts.com**

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### How Strong are HBTC Saw Horses?

- Our Standard 32" HBTC saw horse has a load capacity rating of 7,400 pounds per pair for distributed loads, or 3,000 lbs per pair centre point loads (more below on load ratings). And at just under 50 pounds, it's easily carried by one person.
- We've built sawhorses that were 50" long by 6 feet tall, with maximum centre point load ratings of 2,500 pounds per pair and a maximum distributed load rating of 6,600 pounds per pair.
- We've built them with 3 leg sets, just 14" high, rated to carry a maximum distributed load of 55,000 pounds per pair, or a centre point load rating of 9,250 pounds per pair.



*Five HBTC saw horses safely supporting a front-end loader bucket, weighing 43,000 lbs.*

### How are Saw Horses Load Rated?

Saw horses are rated by either a centre point load or a distributed load. Which rating you need depends on how you use the saw horse. The distributed load rating is the maximum load the saw horse can carry if that load is distributed evenly across the span, such as a load of angle iron. The centre point rating is the maximum load the saw horse can carry if that load is concentrated at the middle of its span, for example, an engine block. The difference between the ratings will depend on the materials, dimensions and construction of a particular saw horse. For more on load ratings, please see our website, [www.HorsesBeforeTheCarts.com](http://www.HorsesBeforeTheCarts.com).