



Circular Solutions

A case study from Algood Caster Innovations

We put the brakes on this caster!



When moving hazardous materials, explosives or cargo that is dangerously heavy you need a caster braking system that is absolutely foolproof. That's what the U.S. Department of Defense was looking for when it first contacted Algood. Engineers needed a military grade caster braking system that was infallible and would work on a variety of surfaces and inclines. At the same time customers approached Algood looking for a braking system for containers with recessed casters that could be hand activated.

In response, Algood's design, engineering and production teams took an idea that had been on the drawing for some time and brought it to reality. They developed eHABS, a one of a kind caster braking mechanism. The original caster was completely customized from the composition of the wheels to the length of the braking cable.

eHABS is an acronym for Emergency Hand Activated Braking System. The caster has a mult-position lock attached by a cable to a hand grip. In addition to providing easier access to the braking mechanism, the hand grip operates as a "dead-man's brake." The brake engages on the grip's release ensuring that in the event of operator error or injury, the cargo will be safe. In addition, the braking mechanism is engaged by a piston, as opposed to a pressure or friction, ensuring that wheel is completely locked.

eHABS can be customized to meet a variety of applications. The braking mechanism can be modified to either engage or disengage on release of the hand grip. Casters come with steel core or RollIX™ wheels in a range of sizes.

The expression “if you build it, they will come” certainly applies to eHABs. Once the caster was made available, applications to other industries became apparent. The caster has been used by both the U.S. Postal Service and Canada Post. In addition, eHABS has proven invaluable to customers in the candy industry where extremely heavy mixing bowls must be moved safely and in the pyrotechnic industry where the safety of cargo is paramount.

It takes true Castersmiths to be able to respond to highly specialized customer requirements and create a unique caster solution. Algood combines superior knowledge of materials with the most up to design and engineering methods. eHabs is just one example of why Algood is the Next Generation of Castersmiths.

For more information on how Algood Caster Innovations can provide solutions for your wheel and caster needs, call 1-800-254-6633 or email service@algood.com. Visit our website at www.algood.com.