



SandMaster 20 for Skid Steers

# SandMaster

By Barrier Systems, LLC

## AT LAST!!

THE FUTURE OF EMERGENCY FLOOD CONTROL HAS ARRIVED.

Hydraulic technology replaces hand labor for fast and efficient on site filling and placement of sandbags.

The SandMaster quickly fills and places thousands of sandbags when and where they are needed.

This attachment transforms the gruesome, time consuming, labor intensive and expensive task of sandbagging into a quick, viable, cost effective solution for all sandbagging needs.

Whether you are filling bags for flood control, erosion control, pipeline construction or any other use, the SandMaster speeds up the process providing more bags in place with fewer people ultimately saving both time and money.

Dedicated to Saving Lives and Property



Fill the bags with most materials wet or dry



Transport the bags to where they are to be used



Securely close the bags



Place the bags where they are needed

Only three modifications are required to any loader bucket.



Welding the hooks you see here on top of bucket.

1

2

Drilling of two holes into the bucket sides to accept the pins for the support arms.



In this application, brackets were welded to accept the bypass valves that deactivate the 4 & 1 hydraulic system in order to activate the ram that powers the triggers.

3



**Sand Master**

The Speed Loader is simply PVC pipe with the vertical pieces aligned with the SandMaster 26 apertures. This cuts mounting time of the bags in half.



Here the ground man is seen inserting the bags into the device using the convenient Speed Loader. He then simply pulls the Speed Loader out and the bags remain in the device.



In this photo the draw string bag with a non-stretch cord is attached around the tension ring and then the trigger.



The operator then activates the trigger to the tension position, locking the cord around the tension ring. The entire process takes 90 seconds.



Using the power of hydraulics, the machine drives into the sand pile to fill the bags.



The filled bags are securely locked to the device, ready to be delivered to the place of need.

Once at the location of need, the operator rotates the triggers, releasing the bags which fall into their securely closed cinched position.



The bags are then released from the trigger, placing them at their final destination.





As the bags are being filled and delivered to their destination, the ground man prepares the Speed Loader for the next round. The pile of bags you see in the distance is roughly 75 yards away and 26 bags were added every 3 minutes. Two workers can produce an amazing 4000 bags in only an 8 hour period.



The system works so well that any material that will fit into the apertures can be used in the event sand is unavailable. A tremendous advantage in using these materials with biodegradable bags is that **emergency flood control can remain as permanent flood prevention** by simply adding seed to the soil for erosion control.

The Sand Master



As seen on CNN during catastrophic flooding in Fargo, North Dakota, 1200 students made and distributed 1 million 30 lb. sandbags in a period of 5 days. Per student, that is 5000 lbs. of sand in a 24 hour day. This incredible device can accomplish that in around 9 minutes. Comparatively, that is an **8000% increase in production per man.**

A staggering and much needed improvement over conventional methods for this very time sensitive need!



## POTENTIAL CUSTOMER BASE

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National Guard

Army Corps of Engineers

The Red Cross

Homeland Security

Department of Transportation

Public Works Divisions

Railway Systems

Private Construction Firms

Pipeline Contractors

Erosion Control Contractors

Agricultural and Landscape Industry

Mining Industry

## SandMaster Advantages

- Capable of 4,800-6,200 sandbags in 8 hours with only 3 people
  - Fills, transports, securely closes and places the bags
- Can utilize most materials wet or dry including materials available on-site
- Reduces transportation costs by filling the bags where they are needed
  - Saves time and labor by creating more bags with fewer people
  - Simple design means it will always work when needed
    - Made in the USA and built to last
- For skid steers, loaders and excavators

The SandMaster attachments, whether in the hands of a private operator, a public works department, a rental yard, or as part of a large fleet performing emergency response work for government agencies, will be a very profitable investment, while at the same time, provide a critical service to local communities in their time of need.

The SandMaster attachments are proudly made in America.



**THE Sand Master**  
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