

When to use the 4000s Shear

Tensioning Cutters

Why the correct tension on shear heads is so critical!

Too little tension—Results?

1. Wool will get under the cutter and it will stop cutting. If this happens remove the cutter, clean out the wool, replace the cutter, then reset the tension—tighter than before.
2. The cutter may fly off. This allows the forks to drop between the comb's teeth—which in turn strips the drive gear. A truly bad result because it can't be used until the gear is replaced.

Too much tension—Results?

Causes excessive friction between comb and cutter.

This causes rapid wear of the cutting edges and excess heat.

To get it right:

Tighten the tension knob, until resistance is felt, to force the cutter against the comb. Then screw it 1/2 turn more. Apply shearing oil to the comb and cutter. Turn on the machine. Tweak tension according to blade heat/cutting ability. Adjust cautiously while operating to find the *sweet spot*. Owners manual includes set-up tips.

See owner's manual.



SEE IT IN USE

premier1supplies.com/videos



Sheep

Blocking is shearing wool without the comb touching the animal's skin. Most breeding sheep are blocked to prepare them for the show ring to emphasize shape and structure.



Sheep

Shearing machines are used to remove the wool for sale, to prepare for shows, to treat/prevent fly strike.

Beginners often use a stand but experienced shearers usually hold the animal using their legs and hands.



Beef and Dairy Cattle

For peeling. Rapid removal of body hair on cattle.

For blocking. Sheep heads (shears) are used. Yes, sheep shearing machines are used on cattle. Best tool for this work.



Llamas and Alpacas

Shorn for their fiber and also so they don't suffer from the heat during hot, humid summers. (They are mountain animals by origin.)

Debris builds up in camelid fiber, so have extra combs and cutters on hand.

Fiber Goats

Mohair (Angora) goats are shorn with shearing machines. A stand will work for a few animals but professionals hold them while shearing as they would sheep.

Use Premier's Professional Sharpening Service to sharpen combs & cutters

Animal	Spirit Comb	Camelid Comb	Apache Comb	Mohair Comb	Blackhawk 92 Comb	Blackhawk 94 Comb	Phantom R Comb	Phantom S Comb	Spitfire Cutter	Storm Cutter	Ceramic Cutter
Sheep (shearing)	•		•		•	•			•	•	•
Sheep (blocking)	•						•	•	•	•	•
Fiber Goats				•			•		•	•	•
Beef & Dairy Cattle (peeling)							•		•	•	•
Beef & Dairy Cattle (blocking)								•	•	•	•
Llamas & Alpacas	•	•		•	•		•		•	•	•