

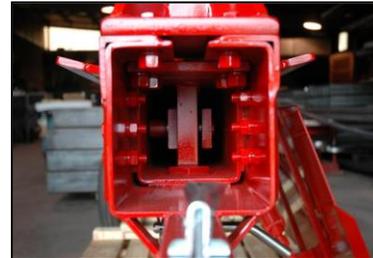


## HYDRAULIC WOOD SPLITTERS & CHIPPERS

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### Split-Fire Wood Splitter – Unique Features & Advantages

**Heavy Duty Square Tube Construction:** I-beam construction is very common in wood splitters, but they are prone to twisting and once twisted it will never work properly again even after being straightened. The Split-Fire square steel tube construction will never twist in this fashion.



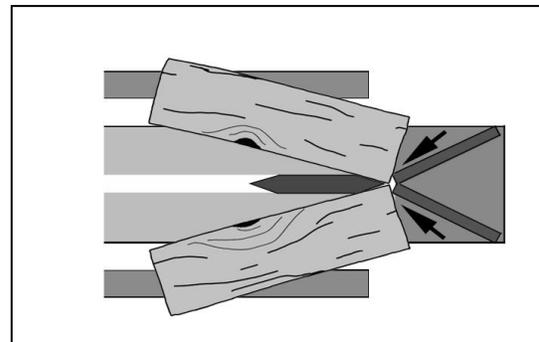
### Unrivalled Safety

The unique design of the Log STOP has four benefits that work for the operator constantly.

- There is far less area in which to catch fingers.
- Wood will never catapult or fly out sideways to injure a person. On other splitters using a flat-plate or a push-plate there is traction and other devices used to try and hold the log in place, but this just allows the hydraulic pressure to build up higher causing wood to fly out at a stronger pressure. With this unique STOP design the pressure has somewhere to go and is relieved around the STOP as the wood can move laterally. This prevents wood "fly-outs" at high speed.



- The narrow profile of the front of the STOP contacts the wood in the centre of the frame. This keeps the pressure in the centre of the splitter instead of trying to push the blade or STOP over to one side or the other.
- The narrow profile on the front of the log STOP also allows the butt of the block, as it is being split, to "bend" around the STOP instead of conflicting with the splitting action.



The wider stop design used on standard splitters would pinch the block being split back together on the knife. The back pressure on the knife requires more horsepower from the splitter to complete the cycle.

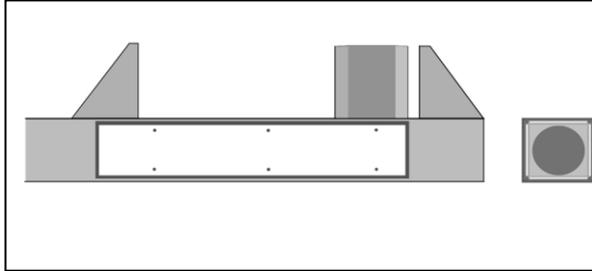
## 2-Way Log Splitter

All Split-Fire wood splitters feature the hallmark 2-way splitting action on both the forward and reverse stroke, doubling productivity. This is a vastly different concept compared to single stroke machines using a flat push plate and wedge. This design allows operators to split wood both ways, an appealing feature for farmers or property owners looking for a fast and simple way to get log piles split



## Low Friction Slider System:

Split-Fire manufactures its logs splitters using Low Friction Slider Pads made from Ultra-High-Molecular-Weight polyethylene, (UHMW) which is self-lubricating and is highly resistant to abrasion, in some forms being 20 times more resistant to abrasion than carbon steel. They are applied long and wide on all four sides, running down the entire length of the bearing area. This prevents binding friction. Other log splitters often use a mechanical slide system that clamps around the edge of the steel I-beam. As this steel-on-steel slide system wears, it sharpens the edge of the I-beam to the point that it can be very sharp to work around. These systems quickly wear out needing far more maintenance.



**Hydraulic Cylinder:** The cylinders inside Split-Fire wood splitters are fully protected inside the main frame of the splitter. In this position it can push straight and pull straight inline with the slider at all times reducing loss of power due to friction

**Hydraulic Reservoir:** On self-contained wood splitters the reservoir is setup in such a way that the nose hitch of the splitter can be put on the ground to split wood. Although there is an angle to the machine it does not impede the hydraulic flow so it can still split wood without problems. Some people find this useful to roll large blocks onto the splitter for pre-splitting into smaller pieces.



**Design:** Soft parts such as hoses, filter, and engine are well out of the way of blocks of wood being split. Seldom does wood ever get past the stop and by the time if ever it does, the wood is falling in two pieces to the ground. Moving the soft parts back also prevents damage from dropped logs when handling them.

**Maintenance:** All parts on these splitters are built with as many standard parts as possible. Wear pads are from standard plastic and hydraulic cylinder seals are the standard o-ring kits found in many cylinders. If the knife gets damaged, just haul out the welder and weld it up and sand back to original.



*Split-Fire wood splitters require much less power to split wood while offering much greater operator safety. Split-Fire wood splitters are built to a quality and finish, with clean welds, seldom found in the wood splitter industry. For more than 27 years Split-Fire has built a reputation of quality, durability and dependability!*

