

ATTACHMENT



CBI LEGACY PRODUCTS

CBI joins TEE's Ecotec product line as a leader in converting biomass and waste materials to usable high value alternative fuel, compost, mulch and other products. Since 1988, the CBI name has become synonymous with performance and reliability in a broad range of grinding and chipping applications the world over.

STUMP SHEAR



TEE's Stump Shear grubs, pulls, backfills, shears, splits, and loads... making uniformed feed out of the biggest stumps and butt logs at a rate of 50 tons or more per hour. Two massive ripper teeth pull stumps out of the ground, while the reinforced steel plate backfills the stump hole. When grubbing and excavating stumps, the dual action cylinder allows the knife to retract fully out of the way. By not remaining fixed in a low position, it does not interfere with work or cause unnecessary stress to the shear or excavator due to unwanted

strikes to knife. Operator visibility is also greatly improved by retracting the knife blade, which leads to more effective operations.

The extra wide shear opening allows the largest stumps to be sheared to the proper size for processing. This helps to remove most dirt and rocks, which greatly reduces wear and tear on your grinder as well as allowing stumps to be ground to a cleaner and much higher quality fuel product. Sheared and prepared material also drastically increases grinder production.

TEE's Stump Shear is available in various sizes: SS20, weighs 4,000 lbs. and fits on a 40,000-55,000 lb. class excavator; SS25 weighs 5,500 lbs. and fits on a 55,000-65,000 lb. class excavator; SS30 weighs 7,000 lbs. and fits on a 65,000-90,000 lb. class excavator; and SS40 weighs 8,000 lbs. and fits on a 90,000-110,000 lb. class excavator.

The dual action shear uses the bucket curl function of the excavator to power the lower jaw, allowing grubbing and pulling stumps to have the same operator feel as digging with a standard bucket. The two hardened ripper teeth grub out the root structure then excavate the entire stump. An auxiliary cylinder powers the massive T-1 steel knife assembly through the stump, log or root ball. In addition, greater splitting force is applied to the material by both jaws being driven by its own cylinder.

In ground or out, the TEE Stump Shear is built with the same rugged durability you have come to expect from TEE. Every component—from the specially designed ripper teeth, to the large diameter high strength alloy pins, to the T-1 steel knife assembly with replaceable cutting edge—are painstakingly designed and crafted from the finest materials available.

ASSEMBLY & HYDRAULICS

The upper jaw is a knife made of T-1 steel. The knife has a large diameter cylinder with a customized mounting assembly reinforced to the underside of the stick boom. This allows the knife to be used efficiently to shear large pieces of wood such as poles, pilings, logs and stumps. The tip or "beak" of the knife is specially designed to have an aggressive angle to initiate the cut and to penetrate the wood efficiently for high production and lowered

amounts of stress transfer to the shear and excavator.

The lower jaw has two heavy-duty and replaceable hard-faced ripper teeth at the front designed to grub and uproot stumps. The back has a thick alloy steel plate designed to move material away from the excavator as well as backfill the stump hole.

Control is accomplished by a 2-way flow control valve. Hard line plumbing is used on the boom and flexible hose is

used from the boom to the stick valve and to the cylinder. The cylinders require a hydraulic system capable of delivering 45-60 GPM at a 3500-5000 psi operating pressure. The ports use SAE-12 O-rings and are both located at the boom end of the cylinder. The cylinder has a bolted rod head construction and operates at 5000 PSI. (Clevis bracket and cylinder are both supplied by Terex Environmental Equipment.)

Stump Shear Model	Shear Weight (lbs)	Excavator Weight Class (lbs)	Max. Jaw Opening (approx.)	Blade Thickness T1 Steel	Hydraulic Cylinder		
					Bore	Stroke	Rod
SS20	4000	40-55,000	53"	2-1/2"	5-1/2"	36"	3-1/2"
SS25	5500	55-65,000	71"	2-1/2"	5-1/2"	36"	3-1/2"
SS30	7000	65-90,000	81"	3"	6"	48"	4"
SS40	8000	90,000+	87"	3"	6"	48"	4"
SSQC20*	3700	40-55,000	46"	2-1/2"	5-1/2"	36"	3-1/2"
SSQC25*	4600	55-65,000	74"	2-1/2"	5-1/2"	36"	3-1/2"
SSQC30*	7370	65-90,000	62"	3"	6"	48"	4"
SS30-D**	7000	65-90,000	88"	3"	6"	48"	4"

* Quick Coupler Shear (Pin Grabber Style)

** Detachable Shear (Wedge Lock Style) - contact Sales Department for additional sizes



www.terex.com/environmental-equipment

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