



A TEREX BRAND

Features

- Dual ripper teeth and contoured anvil profile for grubbing out root structure and pulling stumps out of the ground with strength and precision.
- Large throat and tip-to-tip opening allows for shearing of huge stumps and logs.
- Steel plate backfills stump hole, side plate profile to sidesweep and level grade.
- Massive reinforced knife shears and logs even the toughest stumps.
- Shearing stumps help to remove dirt and rock, reducing grinder wear, providing cleaner end product, and increasing production.
- Designed for 40,000-100,000 lbs. class excavator with auxiliary hydraulic line for the additional piston that powers knife.
- Each unit is custom manufactured to fit your exact excavator specifications.

Description

The CBI Stump Shear is a stump's worst nightmare. The attachment is designed to grub, pull, backfill, shear, split and load... making uniform processed material 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. The dual action cylinder allows the knife to retract fully out of the way when grubbing and excavating stumps. By not remaining fixed in a low position, it does not interfere with work or cause unnecessary stress to the shear or excavator from unwanted knife strikes.

Operator visibility is greatly improved by retracting the knife blade, giving the user coordinated and precise control. 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.

CBI's Stump Shear is available in direct pin or quick-coupling: SS20/SSQC20, weighs 4,000 lbs. and fits on a 40,000-55,000 lbs. class excavator; SS25/SSQC25 weighs 5,500 lbs. and fits on a 55,000-65,000 lbs. class excavator; SS30/SSQC30 weighs 7,000 lbs. and fits on a 65,000-90,000 lbs. class excavator.

CBI Stump Shear

Excavator Attachment

Models 20, 25, 30

Direct Pin, Detachable, and Quick-Coupling



Assembly

The upper jaw is a knife made of T-1 steel. The knife is run by a large diameter high pressure hydraulic cylinder. The knife has three replaceable cutting edges and is 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 penetrate the wood efficiently for the greatest production and least amount of stress transfer to the shear and excavator. The lower jaw has two heavy-duty, 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.

Hydraulics

Control is accomplished by a 2-way flow control valve. Hard line plumbing is used on the boom and a 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 5500 PSI max. Backing plate, clevis bracket and cylinder are supplied by CBI. Fluid lines and control kit not supplied as standard but can be quoted on an individual basis.

Specifications

| 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 | 48" | 2-1/2" | 5-1/2" | 36" | 3-1/2" |
| SSQC25* | 4600 | 55-65,000 | 72" | 2-1/2" | 5-1/2" | 36" | 3-1/2" |
| SSQC30* | 7370 | 65-90,000 | 88" | 3" | 6" | 48" | 4" |
| SS30-D** | 7000 | 65-90,000 | 88" | 3" | 6" | 48" | 4" |



Pulling/Shearing



Loading/Stockpiling/Sorting



Backfilling



Uprooting/Grubbing



Splitting Stumps



Removing steel from mats, poles, pilings



Detaching



Splitting Stumps



A TEREX BRAND

Continental Biomass Industries

World's best stationary and portable material recovery systems.

22 Whittier Street, Newton, NH, 03858

Phone: (603) 382-0556 Fax: (603) 382-0557

Web: cbi-inc.com Email: info@cbi-inc.com

Distributed by:

© Copyright 2017 Continental Biomass Industries, Inc.

The CBI logo is a registered trademark of Continental Biomass Industries, Inc. All trademarks are the property of their respective owners.

All specifications are deemed accurate at the time of publication. CBI reserves the right to make product improvements and change specifications without notice.

2017_Stump Shear_DS_v5