Please click the QR code to the left, or enter "Needham Lipa TLBE-SF" into YouTube to see a video of the Lipa TLBE-SF flail mulcher in action!

TLBE-SF

Flail Mulchers For 10,000 - 16,000 lb Mini Excavators

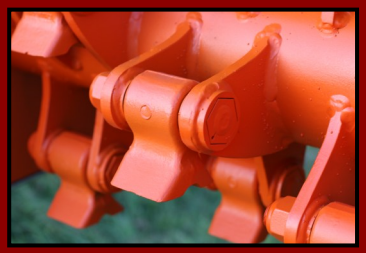
The Lipa TLBE-SF series of flail mulchers are designed to bridge the gap between the TLBE-S flail mowers and the TLE-FS mulchers, both from a cost and performance perspective. They feature swinging hammers, which are reversible, in addition to heavy safety chains across the front and rear, to help control flying debris. Heavy duty skid plates are present on both ends to help control cut height. This mower is designed to mulch up to around 4-5" materials, but it can process larger trees with slow and careful operation (see video link above).



Optional hydraulic hoses are available from Needham Ag

The TLBE-SF series flail mulchers also feature a manual adjust front door, which in the raised position allows you to cut the top off small trees from the side, then mulch them to the ground. With the door lowered, the chains almost eliminate the material thrown (which is very important when operating around homes or roads).





Model	Overall Width (inches)	Cutting Width (inches)	Weight (lb) *	Rotor Speed (RPM)	Required Oil Flow (gal/min)	Ideal Oil Pressure (PSI)	Number Of Flails	Number Of Drive Belts	Price $
TLBE-SF 70	37	27	760	2300	17-23	3500	11	3	9290
TLBE-SF 90	46	35	800	2300	20-24	3500	15	3	9990
TLBE-SF 110	53	43	840	2300	20-24	3500	18	3	10690

* Approximate weight, with typical mounting bracket and optional hydraulic hoses.

Standard Equipment

- Excavator hookup linkage for most mini excavators, but some will require a specialist mount (which will incur an additional charge). Mounting pins are not included in the prices above.
- Electronically balanced, heavy duty 6 1/2" diameter rotor, with scrolled reversible hammers.
- Heavy duty lateral skids.
- Chains across the front and rear, to help control flying debris.

Options

Hydraulically Adjustable Front Door.



The standard option on the TLBE-SF flail mulcher is a manual adjust front door. This model has a linkage (with a pin) to secure the door position.

If you have a mini excavator with a 2nd pair of auxiliary lines, then you can order the TLBE-SF mower with a hydraulic cylinder. This option allows you to raise and lower the front door, like you would the thumb. This allows you to cut the top out of trees, then lower the front door to control flying

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Prices and specifications can change, so please visit our website at needhamag.com for the most current information.

CONFIGURING A LIPA FLAIL MOWER & FLAIL MULCHER FOR YOUR MINI EXCAVATOR

To make sure your mini excavator is safe, stable and efficient when using a flail mower, it is critical to select the correct size and weight of flail mower and compare them to the manufacturers lift ratings. This is especially important if you plan to do a lot of mowing on rolling ground or with the mower fully extended.

You will also need to know the maximum auxiliary oil flow (and pressure) available, to maximize the mowers performance. These numbers are often reported within the manufacturer literature, but not always. Many newer mini excavators (including Bobcat, Cat and Kubota) come standard with auxiliary flow adjustment, so if your flail mower requires 15 gallons per minute of flow (for example), these machines allow you to adjust the flow up or down (which is a nice feature to optimize performance). Older mini excavator models (with more auxiliary flow than what the flail mower is designed for) will either require manual adjustment to limit the oil flow, or the purchase of the optional Lipa flow regulator. This flow regulator allows the oil flow to be adjusted up or down on the mower itself.

Please contact Needham Ag to help us configure the most suitable flail mower for your excavator size/weight and its hydraulic flow/pressure.



The image to the left shows a Lipa TLBE-100 on a CAT 304CR mini excavator. This 9800 lb machine had a maximum auxiliary flow of 18.5 gallon per minute. The TLBE-100 only requires 15-16 gallons per minute, so we added an optional flow regulator to regulate the flow down. By adjusting the flow, the rotor speed can be set to around 2300 RPM, to optimize the mower performance and maximize flail life.



The Lipa TLBE-100 shown in the image left is fitted with the optional oscillating saddle. This is an excellent option if mowing a lot of uneven ground. This is because it allows the mower to follow the ground much better with a lot less operator adjustment. The TLBE mowers do not come with hydraulic hoses, these can be supplied by Needham Ag, or sourced locally.

NEEDHAM Ag Technologies, LLC.

Phone: (270) 785 0999

Email: phil@needhamag.com

Website: needhamag.com

We have lots of videos showing the Lipa flail mowers and flail mulchers on YouTube, you can type "Needham Ag Lipa TLBE-SF" to see them in action. You can also visit our Facebook group at "Lipa Mowers And Mulchers" to see lots of different videos of them in action!