

Flail Shredders and Mowers



SHRED YOUR TOUGHEST CROP RESIDUE IN A SINGLE PASS

Whether you're looking to maintain your pasture, shred stalks, or mow along roadsides, parks and school grounds, John Deere has a long line of heavy-duty cutting equipment ready to meet your needs.

For example: take the John Deere 520 Flail Shredder, available in drawn or integral models. With a 20-foot cutting width, this is the one-pass, economical way to aggressively shred the toughest cotton, rice, pineapple, corn, and milo stalks. It's loaded with a variety of features to withstand plenty of hard work.

It all starts with the flail fastening system which eliminates clogging from mud or crop residue. Its bracket design also helps prevent knife and ring loss.

In-field productivity is also enhanced with the all-new re-cutterbar. Its design creates a strong vacuum that forces re-cutting of crop residues.

And, the main cutter features 248 knives mounted the full length of the rotors. So, you won't miss a stalk.

Optional skid plates are available for the 520 Flail Shredder to keep knives and rotors out of the dirt.



Optional wheel supports eliminate the uncut middle strip. You can pull the shredder at an angle, eliminating the middle strip.



The flail fastening system eliminates clogging from mud or crop residue. Its bracket design also helps prevent knife and ring loss.



The farm-tough square rotor together with the opposite-mounted flails provide a machine with less vibration, increasing the life of rotor bearings and belts.



Optional skid plates keep knives and rotors out of the dirt.



Optional front rubber deflectors keep debris and other materials under the shredder and away from the tractor and operator. And since they're made out of rubber, they won't dent or rust.

SPECIFICATIONS

Model	520 Drawn	520 Integral
Power Requirements		
PTO speed	1,000 rpm	1,000 rpm
Tractor PTO hp requirements	120 hp (90 kW) minimum	140 hp (104 kW) minimum
Gearbox	270 hp (201 kW) maximum; 180 hp (134 kW) continuous; 2 year warranty	270 hp (201 kW) maximum; 180 hp (134 kW) continuous; 2 year warranty
Knives		
Number of knives	248 (124 pairs)	248 (124 pairs)
Knife dimension	0.31 x 2.5 in. (8 mm x 64 mm)	0.31 x 2.5 in. (8 mm x 64 mm)
Knife mounting	D-ring	D-ring
Knife type	Alloy steel, hard-faced, hardened with vanadium carbide, reversible	Alloy steel, hard-faced, hardened with vanadium carbide, reversible
Knife overlap	1.07 in. (27.4 mm)	1.07 in. (27.4 mm)
Knife tip speed	139 mph (224 km/h)	139 mph (224 km/h)
Rotor		
Rotor speed	2,000 rpm	2,000 rpm
Rotor dimension	Square rotor 7 x 7 in.	Square rotor 7 x 7 in.
Bearing type	Double-row barrel bearings, triple sealed; 2-year unlimited warranty	Double-row barrel bearings, triple sealed; 2-year unlimited warranty
Operating Dimensions		
Cutting width	20 ft. (6.1 m)	20 ft. (6.1 m)
Cutting height	3 in. to 10 in. (76 mm to 254 mm)	3 in. to 10 in. (76 mm to 254 mm)
Operating width	21 ft. 3 in. (6.48 m)	21 ft. 3 in. (6.48 m)
Operating length	10 ft. 7 in. (3.23 m)	10 ft. 7 in. (3.23 m)
Transport Dimensions		
Transport width	7 ft. 10 in. (2.39 m) endwise	21 ft. 3 in. (6.48 m)
Transport length	24 ft. 1 in. (7.34 m) endwise	7 ft. 10 in. (2.39 m)
Weight (approximate)	5,000 lb. (2,268 kg)	4,376 lb. (1,985 kg)
Lift	Rear lift, standard remote cylinder	N/A
Hitch	N/A	Cat. 3 or 3N; Quick-coupler required
Wheels/tires	Four 6PR 7.60-15	Two 6PR 7.60-15; four as an option



The endwise transport option makes it easy to transform this shredder from a 20-foot cutting width to a 7-foot, 10-inch transport width.

(Design and specifications subject to change without notice)

THREE SHREDDER CHOICES OFFER ONE RESULT: PURELY PULVERIZED STALKS AND STUBBLE

John Deere also offers two smaller drawn flail shredders: the 115 model with a 15 foot cutting width and the 120 model with a 20-foot cutting width. But just because they're smaller, doesn't mean they're not as tough. All have 1/4-inch-thick hoods to resist dents and holes. The rotors are driven by a single power-band belt. They outlast typical three-belt drive mechanisms and are notched to reduce slippage. A standard overrunning clutch protects the drivelines when the PTO is disengaged and provides smoother operation at both ends of the field. And, the constant-velocity joint allows for sharp, rattle-free turns with the rotor running.

The rubber safety shields are rust-resistant and won't dent. Steel shields are also available.

So, when you add in John Deere's world class dealer support, these shredders are tough to beat. Ask your dealer about one soon.

- 1 Power-band drive belts.** The 115 and 120 Shredders are driven by two, power-band belts, one on each side of the machine. They outlast three-belt mechanisms and lower replacement costs. Grooves reduce belt slippage.
- 2 Two knife choices.** Heat-treated, side-slicer knives (shown) with machined cutting edges are standard. Optional tungsten-carbide, hard-faced knives are ideal for working in abrasive materials such as cotton stalks, corn stalks, and high brush. And because John Deere knives are thicker, they last longer.
- 3 All John Deere shredders** feature an overrunning clutch to protect the tractor PTO and the shredder driveline when disengaging the PTO at high speeds. For extra productivity, choose the optional driveshaft with overrunning clutch and constant velocity joint. This lets you make 80-degree turns without disengaging, for virtually non-stop shredding.





Endwise transport makes it easy to move your shredder. As an option on the 120, you can get permanent wheel arms for both operating and transport. Just remove one pin and move the wheels.



With this optional disk hitch, you can hook a disk behind the shredder to cut and till in one time-saving pass. A hydraulic hose support is also provided.



106-mph blade-tip speed. The 1,500-rpm rotor speed provides a fast 106-mph tip speed for complete shredding of even the toughest stalks over an inch in diameter.

SPECIFICATIONS

Model	115	120
Cutting width		
	15 ft. (4.6 m)	20 ft. (6.1 m)
Cutting height		
	3 to 10 in. (76 to 254 mm)	3 to 10 in. (76 to 254 mm)
Knives		
Number	60 pairs	80 pairs
Dimensions	0.31 x 2.5 in. (8x64 mm)	0.31 x 2.5 in. (8x64 mm)
Type	Heat-treated, reversible, side-slicer (Hard-faced, tungsten-carbide knives optional)	
Tip speed	106 mph (171 km/h)	
Rotor		
Speed	1,500 rpm	1,500 rpm
Diameter	5.5 in. (140 mm)	5.5 in. (140 mm)
Shafts	1.88 in. (48 mm)	1.88 in. (48 mm)
Bearings	1.62 in. (41 mm), sealed, self-aligning; piloted housing, auxiliary seals, and grease cavities	
Drives		
PTO	1,000 rpm	1,000 rpm
Gearcase (max.)	200 hp (149 kW)	200 hp (149 kW)
Cross shafts	1.7 in. (43 mm)	1.7 in. (43 mm)
Sheaves	Balanced, with tapered spline lock	Balanced, with tapered spline lock
Belts	Power-band, triple 5VX	Power-band, triple 5VX
Idler	Ball-bearing, spring-loaded, torque-limiting	
Wheels/tires	7.60–15 with infinitely adjustable row spacings	
Lift	Rear lift, standard remote cylinder	
Tractor PTO hp required		
	90 to 200 (67 to 149 kW)	120 to 200 (90 to 149 kW)
Dimensions		
Operating width	16 ft. 3 in. (4.95 m)	21 ft. 3 in. (6.48 m)
Transport width	7 ft. 10 in. (2.39 m)	7 ft. 10 in. (2.39 m)
Operating height	3 ft. (0.91 m)	3 ft. (0.91 m)
Transport height	4 ft. (1.22 m)	4 ft. (1.22 m)
Operating length	10 ft. 7 in. (3.23 m)	10 ft. 7 in. (3.23 m)
Transport length	19 ft. 1 in. (5.82 m)	24 ft. 1 in. (7.34 m)
Weight		
	3,300 lb. (1500 kg)	4,630 lb. (2100 kg)
Optional equipment		
	Disk hitch with hose support, center-cut knives, hydraulic cylinder with hoses, constant-velocity drive shaft, tires	Disk hitch with hose support, easy-end transport, hydraulic cylinder with hoses, constant-velocity drive shaft, tires
Safety		
	Steel deflector shields	Steel deflector shields

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In row crops, the 15-foot 115 shreds six narrow or four wide rows.
The 20-foot 120 shreds eight 30-inch or six 40-inch rows

JOHN DEERE FLAIL MOWERS PROVIDE A SMOOTH, CLEAN CUT THROUGH GRASS AND WEEDS...EVEN TOUGH BRUSH

For long-lasting performance in the toughest mowing environments, look to the 300 Series Flail Mowers.

Cutting widths range from 4 feet, 10 inches to 7 feet, 6 inches. The largest model also comes in an offset design for cutting close to trees in orchards, and for added reach when mowing along roadside shoulders.

Heat-treated, side-slicer knives rip into grass, weeds, and light brush at 95 mph tip speed. Heavy-duty gearcases have a continuous 65-horsepower rating to withstand punishing workloads. And they're warranted for a full two years.

On the outside, tough 3/16-inch-thick hoods resist wear and dents caused by fast flowing debris.

For medium-duty cutting, the reliable 25A Flail Mower is your choice. Smooth-cut knives make 10,246 cuts per minute to cleanly groom grass and cut down stubborn weeds.

So, for tough mowing jobs, get a mower that will last...a durable 300 Series or 25A Flail Mower from John Deere. See your dealer today to find out more.



Heavy-duty gearbox. All John Deere flail mowers feature this rugged gearbox. It has a continuous 65-hp rating and a 90-hp intermittent rating. Plus, it comes with a two-year, unlimited-hour warranty.



Reliable, heavy-duty HC section belts drive the rotor on the 360 and 370 models. A heavier, two-section 5VX notched belt drives the rotor on the 390 model.



The heavy-duty 300 Series Flail Mowers have simple, clean designs. But don't let their polished appearance fool you. They're built battleship-rugged to handle tough mowing chores...and handle them for a long time.



Choose from two types of knives.

Side-slicer knives (shown at left) work best for all-purpose, tough cutting. They're made of heavy, heat-treated steel alloy for durability; edges are ground sharp for aggressive cutting and to reduce tractor power requirements.

Smooth-cut knives (shown at right) are designed for grassy or weedy cutting, providing a more finished trim look. Smooth-cut knives are self-cleaning and can be re-sharpened for extended life.



- 1 The 390 26-inch offset model lets you get under limbs and branches to cut grass and weeds, right up to the tree trunk.
- 2 The 25A Flail Mower is perfect if you have lots of medium-duty cutting chores. It provides clean cutting, down to one-half inch, without windrowing...all day long, day after day.



Skid plates absorb most of the shock from contact with the ground, protecting the side of the mower. The 390 model also features adjustable skid shoes for added support.

SPECIFICATIONS

Model	25A	360	370	390
Cutting width	6 ft. 6 in. (1.98 m)	4 ft. 10 in. (1.5 m)	5 ft. 11 in. (1.8 m)	7 ft. 6 in. (2.3 m)
Cutting height	0.5 to 5 in. (13 to 127 mm)	0.5 to 5 in. (13 to 127 mm)	0.5 to 5 in. (13 to 127 mm)	0.5 to 5 in. (13 to 127 mm)
Hood thickness	0.125 in. (3.2 mm)	0.188 in. (4.8 mm)	0.188 in. (4.8 mm)	0.188 in. (4.8 mm)
Blades				
Number	36	54	66	84
Type	Smooth-cut, cupped-type	Heat-treated, reversible, side-slicer knives mounted in pairs	Heat-treated, reversible, side-slicer knives mounted in pairs	Heat-treated, reversible, side-slicer knives mounted in pairs
Tip speed	95 mph (153 km/h)	95 mph (153 km/h)	95 mph (153 km/h)	95 mph (153 km/h)
Rotor				
Speed	1,850 rpm	1,850 rpm	1,850 rpm	1,850 rpm
Diameter	4.5 in. (114 mm)	4.5 in. (114 mm)	4.5 in. (114 mm)	4.5 in. (114 mm)
Drives				
PTO	540 rpm	540 rpm	540 rpm	540 rpm
Gearcase (continuous rating)	65 hp (34 kW)	65 hp (34 kW)	65 hp (34 kW)	65 hp (34 kW)
Belts	Single HC section section	Heavy-duty HC section section	Heavy-duty HC notched	2-section SVX-2
Gauge roller	5.5 in. (140 mm) dia.	5.5 in. (140 mm) dia.	5.5 in. (140 mm) dia.	5.5 in. (140 mm) dia.
Tractor PTO hp required				
Minimum	30 hp (22 kW)	30 hp (22 kW)	30 hp (22 kW)	40 hp (30 kW)
Maximum	75 hp (56 kW)	75 hp (56 kW)	75 hp (56 kW)	75 hp (56 kW)
3-point hitch	Category 1 or 2	Category 1	Category 1 or 2	Category 1 or 2
Dimensions				
Overall width	7 ft. 3 in. (2.22 m)	5 ft. 9 in. (1.76 m)	6 ft. 9 in. (2.07 m)	8 ft. 3 in. (2.53 m)
Overall height	3 ft. 3 in. (0.99 m)	3 ft. 3 in. (0.99 m)	3 ft. 3 in. (0.99 m)	3 ft. 3 in. (0.99 m)
Overall length	3 ft. (0.91 m)	3 ft. 4 in. (1.00 m)	3 ft. 4 in. (1.00 m)	3 ft. 4 in. (1.00 m)
Weight	630 lb. (286 kg)	794 lb. (360 kg)	904 lb. (410 kg)	1,093 lb. (496 kg)
Quick coupler compatible	Category 1 and 2	Category 1 only	Category 1 and 2	Category 1 and 2

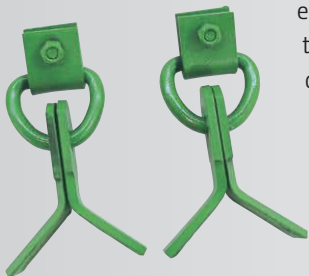
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RIGHT PART. RIGHT NOW.

John Deere has unbeatable parts and service to keep you running in the field. When it comes to pasture maintenance, shredding stalks, or municipal mowing, time is critical — you don't need to wait for parts or service. Your John Deere dealer has the right parts in stock, plus the know-how, to keep your equipment operating trouble-free. Whether it's replacing broken or worn knives, tires, or hydraulic hoses, choose genuine John Deere parts for long-lasting reliability.

And if your flail mower or shredder ever needs replacement parts in the field or at your farm, your John Deere dealer has well-trained,

experienced technicians to provide on-the-spot quality service. When you need the right part...and the right service...get it right now from your local John Deere dealership.



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