

## BAJAJ CONEAGLE GOLDEN EAGLE SERIES

# 161 SAW GIN



**BAJAJ CONEAGLE Golden Eagle Feeder and BAJAJ CONEAGLE 161 Saw Gin**

### The BAJAJ CONEAGLE Golden Eagle Series 161 Saw Gin

....can produce high quality lint at rates up to 15 bales per hour.

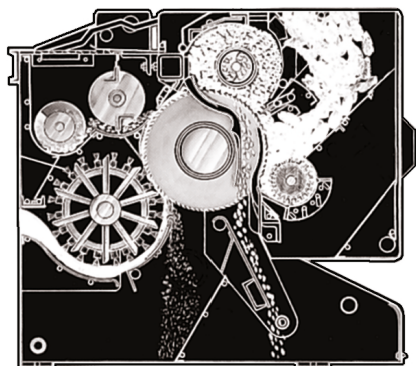
- Exclusive ginning design. Patent #4313242
- A forward-tilting ginning breast allows convenient inspection of the huller ribs, ginning ribs and roll box.
- Open-end huller ribs permit high-capacity feeding of the seed roll.
- Placement of the picker roller eliminates force feeding the gin saws.
- Huller front tilts forward for accessibility to the picker rollers and the roll box. The seed roll can be easily dumped.
- Compact overall design, featuring rigid-weld steel construction.
- Optional open-end huller ribs.



**SEED ROLL CONVEYOR TUBE**  
Seed is efficiently removed from the center of the seed roll.

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**Stainless Steel Roll Box** - Featuring self-motivated seed roll, uniform saw tooth loading, high-capacity seed discharged and automatic feed.

**Seed Roll Conveyor Tube** - (Removes ginning seed from the center of the seed roll) This exclusive 5" diameter louvered design rapidly removes seed. Speed of rotation is coordinated with the natural rotation of the seed roll for effective, positive results. Sealed bearing throughout.

**Top Mounted Ginning Ribs** - Engineered for safety and high performance, featuring super-strength at the ginning point. Cantilever rib design for tag relief.

**16" Gin Saws** - Featuring scientifically designed saw teeth, tempered for super-strength. The design creates less friction at the ginning point. Saws are of standard gauge and are precision ground.

#### Flow of Cotton

Lint is pulled and separated from the cotton seed by the gin saw rotating between ginning ribs. The saw teeth carry the lint through the evenly spaced ginning ribs at the ginning point and the seed is left behind in the roll box. The saw consists of 161 saw blades mounted on a journal that rotates at 615 RPM.

**The saw blades have 330 - teeth** and are 16 inches in diameter. Approximately 50 percent of the seed passes through holes in the patented seed tube located in the center of the roll box where they are conveyed to the ends of the gin and discharged to the seed conveyor below the gin. The remaining seed is purged from the bottom of the seed roll and falls into the seed conveyor. Lint is removed from the saw by the doffing brush.

**Overhead Moting** - Jet lint cleaner efficiency. Positive wiper action. No trash return. Moting can be regulated as cotton conditions dictate.

**Positive Brush Doffing** - Lint is removed directly from the gin saws at super-capacities producing a smooth sample. Features positive lint discharge and adjustable air intake.

**Lower Moting** - Adjustable mote board allows for additional cleaning.

#### Technical Specifications

Capacity	: 15 bales per hour
Saw	: 16in dia, 161 saw blades, 615 rpm
Doffing Brush	: 15 inch dia, 20 rows of brushes, 1552 rpm
Seed Roll Box	: 5 inch steel tube rotates at 270 rpm, 4 inch conveyor rotates at 854rpm
Gin Motor	: (Not included with machine) 150hp, 1800 rpm, 60Hz
<b>Dimensions</b>	
Length (front, with covers)	: (3873mm) 152-1/2 in.
Height (floor to bottom of feeder)	: (1343mm) 52-7/8 in.
Width (with covers)	: (2330mm) 91-3/4 in.
Saw Shaft centerline to floor	: (730mm) 28-3/4 in.
Weight (approximate)	: (3175kg) 7000 lb.



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