

All Falcon equipment is locally manufactured in Howick and is designed to be simple, safe and serviceable, offering excellent value for money. It is robust, with the simplicity of design and the low number of wearing parts ensuring that maintenance costs are minimal. Our equipment is built to last and is capable of coping with tough South African conditions. Excellent customer service is part of the Falcon promise, and the ongoing innovation at Falcon is based on our assessment of customers' changing requirements.

## Product Groups and Products

### Slashers

Light Duty  
Medium Duty  
Heavy Duty  
Extra Heavy Duty

### Haymaking Equipment

Haymakers®  
Bale Handling Equipment  
Unloaders™

### Spreaders

Rotorspreaders  
Limespreaders

### Ground Engaging Equipment

Rotavators ( and Bedformers)  
Ploughs

### Mowers

Blowermowers™  
Grassmulchers™  
Rollermowers  
Rotagangs™

### Mulchers

Fieldmulchers™  
Side Discharge Mulchers

### Imported Product Range

*Falcon Agricultural Equipment imports and distributes the following range of products:*

#### Slashers

Woods Batwing BW1800 4.5m  
Woods Batwing BW3240 6m

#### Mowers

Votex Flail Mower  
Votex Reach Mower

#### Spreaders

Amazone

#### Shredders

Votex Shredder

## Haymaker® Range

Model	Width of Cut (m)	Blades	Gearbox	Slip Clutch	Total Mass (kg)	Dimensions Length/ Width (mm)		Cutting Height Min/Max (mm)
F40/120V	1.2	4	1 050	STD	345	1 480	1 420	10/140
F80/150V	1.5	2	F80V	STD	513	1 830	1 730	40/155
F80/150EV	1.5	2	F80V	STD	557	1 830	2 050	40/155
F80/180V	1.8	2	F80V	STD	553	1 960	2 040	40/155
F80/180EV	1.8	2	F80V	STD	610	1 960	2 350	40/155
F80/200V	2.0	2	F80V	STD	656	2 250	2 260	40/155
F80/350V	3.5	4	F80V	STD	1 298	2 250	3 750	40/140



## HAYMAKERS®

The Falcon Haymaker® is the most popular hay-cutting machine in the country. This rotary cutter is quick, efficient and trouble free.

The different models have cutting widths ranging from 1,2 m to 3,5 m. The specially designed high-clearance bodywork, deflector and long-shaft gearbox create space under the deck to allow for a free flow of material and prevent double chopping, while the tunnel and fingers create a well-formed, quick-drying windrow. This is the ideal machine for quality hay-making!



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## FALCON HAYMAKERS®



F40/120V Haymaker®

*To smaller farms ...*

The F40/120V Haymaker® is a multipurpose rotary cutter for smaller tractors (35 kW to 50 kW). This machine can successfully cut hay and also tackle all the other cutting jobs around the farm. The unit has a cutting width of 1,2 metres. It has been

successfully tested in various hay crops, including lucerne. The F40/120V Haymaker® has a round, low-impact blade disc that can be fitted with either two or four free-swinging blades. Two blades are more efficient for hay-cutting because they produce a crop that is cut only once. For general slashing and pasture topping, four blades are more effective.



F80/180EV Haymaker®

*To intermediate ...*

The intermediate range of Haymakers®, for tractors between 48 kW and 80 kW, have cutting widths of 1,5 m, 1,8 m and 2,0 m respectively. This range has by far the largest share of the haymaking market, with more than 7 500 machines having been sold countrywide.



F80/350V Haymaker®

*To larger ones*

To accommodate larger tractors (over 75kW), Falcon has introduced the F80/350V Haymaker®, a twin rotor machine with a cutting width of 3,5 m. This means that one tractor and Haymaker® can now cut as much hay in a day

as would previously have required two tractor/Haymaker® units, resulting in significant savings in the cost of fuel and labour.



## FALCON CONSTRUCTION

Falcon Haymakers® are manufactured from top-quality steel plate suitably reinforced with angle and channel iron which is stitch-welded to reduce distortion and stress fractures. 45 degree gusseted bends are used to ensure maximum strength.

The side panels can be raised or lowered to adjust the cutting height according to the required finish. The heads of the bolts securing the panels are countersunk into hexagonal recesses, so that only one spanner is required for height adjustment. The side panels run on steel runners.



Bending Hull to 45 Degrees



Safety Flaps



5 Stage Cleaning Process



Spraypainting

The topmast, which connects to the tractor top-link, is mounted on bushes, bolted on to the implement, and then further connected to the rear of the implement with high-tension chains. This flexible linkage allows the rotary cutter to follow the ground contours. The lower linkage points are of the clevis type, with loose pins, on the machines of 1,5 m and wider. The smaller machines have fixed-pin type lower hitch points.

Steel flaps at the rear of the machine provide protection from flying stones and debris.

### Metal Treatment and Painting

All Falcon machine parts are subjected to a five-tank acid bath cleaning and phosphate treatment process. The primer paint coat is then applied by complete immersion in a paint tank, which allows the paint to reach all closed sections and recesses and behind all gussets. All open seams are then sealed with a special sealant to protect the equipment against moisture, before the final enamel

colour coat is applied. All fasteners, chains, shackles and pins are electroplated to guard against corrosion.



Cutting Assembly

### The Falcon Cutting Assembly

Falcon Haymakers® are fitted with tempered spring-steel blade beams and two blades swinging on hardened bushes secured by special blade bolts.

Unless otherwise specified, the blades are the patented 8 mm banana design blades to ensure clean cutting and a long life.



PTO Shaft & Slip Clutch

### Drive Shafts

All machines are supplied with appropriate, fully guarded PTO shafts. Torque-limiting slip clutches are supplied where specified. Optional overrun or free-wheel clutches can be supplied if required.



Falcon Gearbox

### The Falcon Gearbox

One of the secrets of the success of the Falcon Haymaker® is that the F80Vs are fitted with the locally manufactured Falcon extra heavy-duty gearbox.

The Falcon gearbox, which is entirely manufactured by Falcon, has proved to have a long, trouble-free life in all operations. It is specifically designed to withstand the extraordinary working conditions encountered in Africa, as well as to absorb the greater power produced by the new generation tractors coming into the market. The gearbox is guaranteed for two years against faulty manufacture. The use of the long-shaft version of the gearbox in the Falcon Haymaker® has shown time and again that when a machine is used in production jobs such as cutting hay day in and day out, this design is the only way to go.