

GEARBOXES

One of the secrets of the success of the Falcon rotary cutters is that the F50, F60 and F80 series are fitted with locally manufactured Falcon heavy-duty and extra heavy-duty gearboxes. These gearboxes, entirely constructed by Falcon, have proved to have a long, trouble-free life in any operation, as they are specifically designed both to withstand the extraordinary working conditions encountered in Africa and to absorb the higher power being produced by the new-generation tractors coming into the market. The F50 and F80 have a warranty period of three years and the F60 for two years against faulty manufacture, and because they are locally manufactured these parts are also easily and quickly available.



Falcon gearbox

CONSTRUCTION

Falcon rotary cutters are manufactured from top-quality steel plate suitably reinforced with angle and channel iron which is stitchwelded to reduce distortions and stress fractures. We make use of 45 degree gusseted bends to ensure maximum strength.



Spray painting

METAL TREATMENT AND PAINTING

All Falcon manufactured 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, recesses and behind all gussets.

DRIVE SHAFTS

All implements are supplied with appropriate, fully guarded PTO shafts. Torque-limiting slip clutches are supplied where specified. Optional over-run or freewheel clutches can be supplied if required.



PTO shaft and slip clutch

INDUSTRY-LEADING WARRANTY

While the industry standard for warranties on implements is one year, as a specialist manufacturer of rotary cutters with a production and sales track record of more than 30 years we are so confident in the reliability of our implements and their ability to do the job that we have extended the warranty period on many of our implements to two or three years. Warranty periods and terms and conditions are stipulated in the operator's manuals concerned.



THE FALCON RANGE OF IMPLEMENTS



TOUGH RELIABLE DURABLE

Each Falcon implement is designed to be simple, safe and serviceable, offering excellent value for money. They are built to last and are capable of coping with the tough South African conditions.

Falcon Agricultural Equipment (Pty) Ltd also distributes a range of imported products which include spreaders, sprayers, soil tillage implements, specialised mowers and shredders.



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THE FALCON PROMISE



The Falcon Promise is our business philosophy that forms the foundation of the Falcon core values and deliverables. It is what we live every day and how we do business.

EXPERIENCE

Over 30 years of designing, manufacturing, importing, distributing and selling a wide range of agricultural implements for the South African farmers varied needs

CUSTOMER SERVICE

Our supportive, professional, efficient and fast customer service is what our 31+ years of business is built on

ECONOMICAL

Built specifically for the local South African farmer by South African's. No exchange rates or import duties.

DESIGN

Simple
Safe
Serviceable
Built-to-last

OUR VALUES

Honesty
Trust
Respect
Integrity

LOCAL

Made for South Africa's tough conditions. Readily available spare parts and excellent customer service



HAYMAKERS®



SMALL



INTERMEDIATE



LARGE

TOUGH RELIABLE DURABLE

FALCON AGRICULTURAL EQUIPMENT (PTY) LTD

Falcon Agricultural Equipment (Pty) Ltd is the largest manufacturer of rotary cutters in Africa. The company opened its doors in 1985, at its current premises in Howick, KwaZulu-Natal, South Africa. We manufacture the Falcon and Locust ranges of implements as well as importing a range of implements that complement the locally produced ones.

We have built long-standing relationships with our dealers and their customers, based on honesty, trust, respect and integrity. Excellent customer service is an important part of the Falcon promise.



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RANGE OF HAYMAKERS®

| Model | Cutting Width (m) | Blades | Gear-box | Slip Clutch | Mass (kg) | Dimensions | | Cutting Height |
|---------------------|-------------------|--------|----------|-------------|-----------|-------------------|--------------|----------------|
| | | | | | | Length/Width (mm) | Min/Max (mm) | |
| SMALL | | | | | | | | |
| F40/120V | 1,2 | 4 | 1 050 | STD | 345 | 1 480 | 1 420 | 10/140 |
| INTERMEDIATE | | | | | | | | |
| F80/150V | 1,5 | 2 | F80 | STD | 513 | 1 830 | 1 730 | 40/155 |
| F80/150EV | 1,5 | 2 | F80 | STD | 557 | 1 830 | 2 050 | 40/155 |
| F80/180V | 1,8 | 2 | F80 | STD | 553 | 1 960 | 2 040 | 40/155 |
| F80/180EV | 1,8 | 2 | F80 | STD | 610 | 1 960 | 2 350 | 40/155 |
| F80/200V | 2,0 | 2 | F80 | STD | 656 | 2 250 | 2 260 | 40/155 |
| F80/200VH | 2,0 | 2 | F80 | STD | 656 | 2 250 | 2 260 | 40/155 |
| LARGE | | | | | | | | |
| F80/350V | 3,5 | 4 | F80 | STD | 1 298 | 2 250 | 3 750 | 40/240 |
| F80/350VT | 3,5 | 4 | F80 | STD | 1 298 | 2 250 | 3 750 | 40/240 |

SUPERIOR DESIGN - UNRIVALLED PERFORMANCE

For approximately 30 years the Falcon Haymaker® has delivered on the promise "TOUGH - RELIABLE - DURABLE". The implements are designed and built for the tough conditions in Africa. The Falcon Haymaker®, offers exceptional performance, longevity and durability that sets them apart from the crowd.

HAYMAKERS®

The Falcon Haymaker® is one of the most popular hay-cutting implements 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 extended-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 implement for quality haymaking.

SMALL

SMALL TRACTORS, CUTTING HAY & GENERAL CUTTING



AVAILABLE CUTTING WIDTHS
1,2 m

TRACTOR POWER RANGE
35 kW - 50 kW

USE: A multipurpose rotary cutter for smaller tractors (35 kW to 50 kW). This implement can successfully cut hay and also tackle other cutting jobs around the farm.

- BENEFITS**
- The unit has a cutting width of 1,2 m
 - 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 has been cut only once
 - It also has an offset facility that permits cutting up to boundary fences
 - For general slashing and pasture topping, four blades are more effective

WHY A FALCON SLASHER OR A FALCON HAYMAKER?

Although the Haymaker® and Slasher range may appear similar from the outside, they are in fact completely different in their design. Some of the unique features of the Falcon Haymaker® include a special long-shaft gearbox to provide extra height under the deck and additional width on the left-hand side. This design ensures that the hay is cut just once and then laid in a neat windrow. It also has special cutting gear with a blade beam and two unique blades, designed to cut cleanly, leaving a neat stubble that will re-grow without delay, making it possible to get more cuts in the season. The Haymaker® is the ideal machine for quality haymaking and has been South Africa's most successful hay cutter for more than thirty years.

A Falcon Slasher cuts more than once clearing rough grass and bush by slashing it and reducing it to a shredded mass that can decompose or be disposed of.

INTERMEDIATE

MULTI-PURPOSE ROTARY CUTTER FOR MEDIUM SIZED TRACTORS



AVAILABLE CUTTING WIDTHS
1,5 m | 1,8 m | 2 m

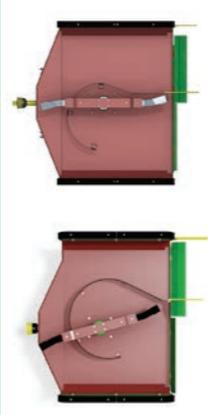
TRACTOR POWER RANGE
45 kW - 80 kW

USE: This range has by far the largest share of the haymaking market, offering a multipurpose rotary cutter for tractors rated between 48 kW and 80 kW.

- BENEFITS**
- The various models have cutting widths of 1,5 m, 1,8 m and 2,0 m respectively
 - In the models with 1,5 m and 1,8 m cutting widths there are two versions: the normal V (Veld Cutter) and the EV (Extended Veld Cutter)

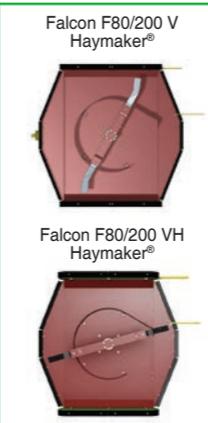
V. vs. EV

There are two versions of the intermediate range of Haymaker® implements with 1,5 m and 1,8 m cutting widths: the V (Veld Cutter) and the EV (Extended Veld Cutter). The deck of the EV is ±300 mm wider on the left-hand side than the V equivalent. This design allows for a larger space for the cuttings to move out of the blade path into a windrow. This configuration further reduces the possibility of double chopping and creates a bigger and wider windrow, which assists the baling process. In the case of lucerne and teff (softer grass) we recommend the EV, which is fitted with specially designed high-lift blades (H1460) that create a vacuum which will lift the material and also direct it into a windrow. This will result in a cleaner and more effective cut.



V vs. VH

There are also two versions of the Haymaker® with a 2 m cutting width: the V (Veld Cutter) and the VH (Veld Cutter with Blowermower™ blades). The V is fitted with the standard banana Haymaker® blades and the VH is fitted with Blowermower™ blades. The VH is the ideal implement to cut tufted or heavy grasses, like blue buffalo grass, which tends to lie flat when it gets long. The Blowermower™ blades create a vacuum under the deck which lifts the material, cuts and then directs it into a windrow. This results in a cleaner more effective cut.



LARGE

WIDE WORKING WIDTHS FOR SUBSTANTIALLY INCREASED EFFICIENCY



AVAILABLE CUTTING WIDTHS
3,5 m

TRACTOR POWER RANGE
75 kW - 90 kW

USE: The large Haymaker® is a twin rotor implement with a cutting width of 3,5 m. This means that one tractor and Haymaker® can cut the same volume of hay in a day as was previously possible only by using two tractor/Haymaker® units.

- BENEFITS**
- The large Haymaker® is available in both a mounted and a trailed version
 - Significant savings in the cost of fuel and labour are realised by using a single large Haymaker® compared to operating two smaller Haymakers®

The mounted F80/350V Haymaker®

Designed for cutting undulating areas • Requires a larger tractor over 75 kW, so that the implement can be safely lifted off the ground for moving around.

The F60/350VT Trailed Haymaker®

Ideal implement for cutting flat areas (e.g. on airfields between the runways and along the fences) • Can be used with smaller tractors (55 kW to 60 kW) • Attached to the tractor with a drawbar system and trailing wheels, eliminating the need for it to be lifted completely off the ground.



CUTTING ASSEMBLY

The intermediate and large Haymaker® are fitted with tempered spring steel blade beams and two blades swing, on hardened bushes, secured by special blade bolts.