



MOWERS

Falcon Mowers produce a perfect finish with increased safety.

There are various models for a variety of operations, with cutting widths ranging from 0.9 m to 1.8 m and a cutting height of 0 to 100 mm.



Range of Mowers

Model	Width of Cut (m)	Blades	Gearbox	Slip Clutch	Total Mass (kg)	Dimensions Length/ Width (mm)		Cutting Height Min/Max (mm)
Falcon Blowermower™								
F50/120BM	1.2	4	F50	OPT	371	1660	1410	0/100
F50/150BM	1.5	4	F50	STD	560	1950	1710	0/100
Falcon Roller mower								
F25/90RM	0.9	3	1030	OPT	185	1330	1100	0/100
F25/120RM	1.2	4	1030	OPT	238	1580	1380	0/100
F40/120RM	1.2	4	1050F	STD	345	1680	1370	0/100
F40/150RM	1.5	4	1050F	STD	472	1950	1730	0/100
F50/150RM	1.5	4	F50	STD	493	1950	1730	0/100
F50/180RM	1.8	4	F50	STD	595	2370	2060	0/100
Falcon Rotagang™								
3 GANG with frame	1.75	12	1030	Overrun Clutch	421	2560	2050	0/40
Falcon Grassmulcher™								
F25/120GM	1.2	4	F25	STD	309	1700	1420	10/100
F50/120GM	1.2	4	F50	STD	345	1660	1420	10/100
F50/150GM	1.5	4	F50	STD	480	1950	1730	10/100
F50/180GM	1.8	4	F50	STD	650	2370	2030	10/100

The simple advantage of mowing grass regularly is that it increases the quality of the turf. The choice of implement should be based not only on the quality of cut but also on ease of maintenance and simplicity of operation and the knowledge that the machine will serve you well for many years, since good turf management will require its regular use.

Creating a "Wembley" effect after mowing is also an advantage with regard to the aesthetics of sports fields, golf courses and parks. This effect is achieved by the rollers pushing the grass first in one direction and then in the opposite direction during cutting.

FALCON MOWERS



F50/150BM Blowermower™

Falcon Blowermower™

The unique and patented Blowermower™ is the ideal machine for ensuring a quality finish to large lawn areas, sports, school and playing fields. It cuts and collects grass in one operation, and the cut grass is then blown into a strong reusable bag. If preferred, the bag may be left off, which will result in the even

spreading of cut grass from the chute.

The Falcon Blowermower™ is available with a cutting width of 1.2 m or 1.5 m. The cutting height is adjustable from 0 to 100 mm, depending on the required finish.



F40/120RM Roller mower

Falcon Roller mower

The Falcon Roller mower is designed to give a perfect finish, with increased safety in public areas. The machine has full-width rollers and the cutting height is fully adjustable for the required finish. Dome ends are fitted to the rollers to protect the turf and so prevent skid marks.

The roller mower is available with a cutting width of 0.9 m, 1.2 m, 1.5 m or 1.8 m. The offset hitch facility is standard on the F40 and F50 series to facilitate cutting up to the boundary fence. This roller mower is the ideal choice for the low-cost maintenance of all turf areas from lawns to polo fields.



F50/150GM Grassmulcher™

Falcon Grassmulcher™

The Falcon Grassmulcher™ is designed to give a perfect finish, with increased safety in public areas.

The Grassmulcher™ is available with a cutting width of 1.2 m, 1.5 m or 1.8 m. It runs on full-width rollers and is the ideal machine for one-pass maintenance of sports grounds and parks as it also overcomes collection problems.

Falcon Rotagang™

This rotary cutter has been designed for the close cutting of grass without scalping.



Rotagang™



Rotagang™ Lifted

Each rotor is mounted independently of the others so that each unit can travel on its own plane. This is to achieve an even cut where undulations would restrict the cutting efficiency of other machines due to scalping. The machine is placed on strategically placed skids to ensure a close cut at all times.

The Falcon Rotagang™ can cut matted and seed grasses. With a cutting width of 1.75 m it is the ideal implement for fairways, sports fields, parks and housing estates.

A lifting frame is standard, for transport by tractor over rough or tarred roads. Very little maintenance is required, due to the design and simplicity of the machine.

FALCON CONSTRUCTION

Falcon mowers are manufactured from top-quality steel plate suitably reinforced with angle and flat iron, which is stitch-welded to reduce distortions and stress fractures.

The side panels can be raised or lowered to adjust the cutting height according to the required finish. They are secured by bolts, the heads of which are countersunk into hexagonal recesses so that height adjustments require the use of only one spanner.

The topmast, which connects to the tractor top link, is mounted on bushes and is connected to the rear of the machine by HT chains. The flexible linkage allows the rotary cutter to follow the ground contours. The lower linkage points on the machines of 1.5 m and wider are of the clevis type with loose pins. These machines all have rollers and flaps on the front and back, which provide protection from flying stones and debris.

The Falcon Blowermower™, Roller mower and Grassmulcher™ all run on full-width rollers with domed end caps so that the rotary cutter achieves a "Wembley finish", without any damage to the turf. The Rotagang™ is lightweight but strongly constructed, with independently moving rotors which run on skids, providing a superior cut.

Metal Treatment and Painting

All Falcon 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 from moisture before the final enamel colour coat is applied. All fasteners, chains, shackles and pins are electroplated to guard against corrosion.



5 Stage Cleaning Process

The Falcon Cutting Assembly

Falcon Blowermowers™ and Roller mowers are fitted with round, low-impact blade discs with special countersunk blade bolts, allowing the blades to swing 360 degrees when obstructions are encountered. A triangular disc with three blades is fitted to the 0.9 m model.



Cutting Assembly (Blowermower™)

The Falcon Rotagang™ is fitted with three low-impact blade discs with four special blades fitted to each.



Cutting Assembly (Rotagang™)

The Falcon Grassmulcher™ is fitted with round, low-impact blade discs with four blades swinging on special blade bolts. This system allows the blade to swing 360 degrees if it encounters an obstruction.



Cutting Assembly (Grassmulcher™)

Drive Shafts

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

Falcon Gearbox

One of the secrets of the success of Falcon's rotary cutters is that the F50 and F80 series are fitted with locally manufactured Falcon heavy-duty gearboxes. These gearboxes, entirely constructed by Falcon, have proved

to have a long, trouble-free life in any operation as they were 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. All the parts are guaranteed for two years against faulty manufacture, and because they are locally manufactured they are also easily and quickly accessible.

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 limited number of wearing parts ensuring that maintenance costs are minimal. Innovation is an ongoing pursuit at Falcon and is based on our assessment of customers' changing requirements. Excellent customer service is also part of the Falcon promise. Our equipment is built to last and is capable of coping with the tough South African conditions.

Product Groups & Products

Slashers

Light-duty
Medium-duty
Heavy-duty
Extra-heavy-duty

Haymaking Equipment

Haymakers®
Bale Handling Equipment
Unloaders™

Spreaders

Rotorspreaders
Limespreaders

Mowers

Blowermowers™
Grassmulchers™
Rollermowers
Rotagangs™

Mulchers

Fieldmulchers™
Side Discharge Mulchers

Ground Engaging Equipment

Rotavators (and Bedformers)
Ploughs

Falcon Agricultural Equipment (Pty)Ltd distributes the following range of imported products:

Votex Shredders
Votex Flail Mowers

Batwing Slashers
Amazone Spreaders
Amazone Groundkeepers
Amazone Sprayers



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