



Falcon Agricultural Equipment cc

Merrivale Industrial Estate, 15 Mopani Road
P.O. Box 170, Howick 3290
KwaZulu-Natal, South Africa

Tel: (+27) 033 - 330 4764
Fax: (+27) 033 - 330 2120
E-mail: info@falconequipment.co.za
URL: www.falconequipment.co.za

THE FALCON LARGE HAYMAKER®



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 from 1.2m to 3.5m. 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 haymaking!

To accommodate larger tractors, (over 75kW), Falcon has introduced the F80/350V Haymaker®, a twin rotor machine cutting 3.5 metres at one pass.

This means that one tractor and Haymaker® can now cut as much in a day as was previously cut by two tractor/Haymaker® units, resulting in significant savings in the cost of fuel and labour.

The cutting height is adjustable from 40mm to 140mm to give the required finish. Equipped with tempered spring steel blade beams with two special "Banana" blades, this is the cutting gear to tame the toughest terrain.

Haymakers® have a strong construction (5mm plate) and extra heavy cross members for reliability and long life. The large range of Falcon Haymakers® is supplied complete with guarded PTO shaft and torque limiting slip clutch, ready for work.



THE RANGE OF FALCON LARGE HAYMAKERS®

Model	Width of Cut	Blades	Gearbox	Slip Clutch	Total Mass (Kg)	Dimensions		Cutting Height	
						Length	Width	Min.	Max.
F80/350V	3.5m	4	F80V	STD	1290	2250	3750	40	140

FALCON CONSTRUCTION

Construction Material

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

The side panels can be raised or lowered to adjust the cutting height and so too the required finish.

The side panels 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 side panels run on steel skid runners.

The topmast, which connects to the tractor top-link, is mounted on bushes and connected to the rear of the machine by HT 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 1.5m 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 from moisture, before the final enamel colour coat is applied. All fasteners, chains, shackles and pins are electroplated to guard against corrosion.

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.

The blades are manufactured from high carbon steel. They are subject to stringent tests, after tempering, to comply with the ASAE (American Society of Engineering) Specification S483. Unless otherwise specified, the blades will be the 8mm patented 'Banana' design to ensure clean cutting and long life.



Drive PTO Shaft

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

The Falcon Gearbox

One of the secrets of the success of the Falcon Haymaker® is that the F80V series are fitted with the locally manufactured Falcon extra heavy-duty gearbox.

Entirely constructed by Falcon and designed to withstand the extraordinary working conditions encountered in Africa, the Falcon gearbox has proved to have a long, trouble-free life in any operation and has been designed to absorb the higher power being 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.

