

# TWOSE PRODUCT GUIDE



**Born in Devon, Built in Britain, Proven Worldwide...**

Over 180 years of engineering excellence

**TWOSE**



# TWOSE HERITAGE

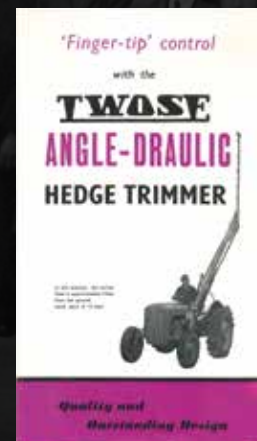
Twose has been creating quality high-performance agricultural and green maintenance machines for farmers and contractors for more than 180 years.

Now part of McConnel Ltd, the company's proud heritage lives on with a new range of reach arm mowers which has been designed to cover every sector of the market and comes with a wide choice of armsets, hydraulics, control systems and attachments.

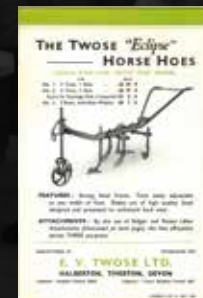
Manufactured in the UK and benefiting from the skill and experience of McConnel's design, production and after-sales support teams, Twose machines offer world-class reach arm technology and build quality at an affordable price.



Launched in Devon in the 1830s by a family of blacksmiths, Twose boasts a long and successful history of invention and innovation – from pioneering ballast rollers to seed drills.



Twose has been making hedge-trimmers for more than 40 years.



# TWOSE

AGRICULTURAL IMPLEMENTS

OFFICES  
*Overlandlight*

STORES  
*Entrance*



## PERFORMANCE & PRECISION AT AN AFFORDABLE PRICE

## CONTENTS

Twose Heritage .....	<b>2</b>
Contents and What's New .....	<b>3</b>
The Range of Twose Reach Arms .....	<b>4-5</b>
1-Series.....	<b>6-7</b>
2-Series.....	<b>8-9</b>
3-Series .....	<b>10-11</b>
4-Series .....	<b>12-13</b>
5-Series .....	<b>14-15</b>
Premium-Quality Armset Technology.....	<b>16-17</b>
Control Systems .....	<b>18-19</b>
Key Features .....	<b>20-21</b>
Attachments and Accessories.....	<b>22-23</b>

The Range of Twose Flail and Rotary Mowers .....	<b>24-25</b>
Tornado .....	<b>26</b>
Tornado Open.....	<b>27</b>
Tornado Combi.....	<b>28</b>
Tornado Mega.....	<b>29</b>
Maxicut .....	<b>30-31</b>

Please note: due to continual product development, the information in this brochure is subject to change at any time. Twose assumes no responsibility for any inaccuracies, errors or omissions and reserves the right to change specifications without notice.

## WHAT'S NEW

Twose has enhanced its range of reach arm mowers with a series of major upgrades to improve performance, reach and precision.

In addition, Twose has introduced a range of flail and rotary mowers, from small economical machines to huge 6.00m professional flex-wing models, the range is ideal for both farmers and contractors.





# THE RANGE OF TWOSE REACH ARMS

From compact and manoeuvrable 3.2m models designed for working in public parks to 6.70m reach arms capable of thriving on the heavy workload of the professional contractor, Twose has developed a machine for every major sector of the market.

Twose reach arms are precision-engineered for quality and reliability, and offer a wide choice of controls, armsets, advanced features, and attachments for peak performance.

## 1-SERIES

TW 32-1 | TW 42-1



**Summary:**

- **30hp** Hydraulic System
- **3.2m - 4.2m** Maximum reach
- **3pt** linkage mounting
- **400kg - 523kg** weight
- Suitable for tractors of **30hp & 1,300kg** and above

**Controls:**

- Proportional Cable Controls
- Proportional Electric Controls

**Armsets:**

- Standard straight arm with parallel arm geometry

**Equipment:**

- Angle Float

**Attachments:**

- **1.0m** Sliding mount, direct drive flailhead
- **1.2m** Sliding mount, direct drive flailhead

## 2-SERIES

TW 48-2



**Summary:**

- **45hp** Hydraulic System
- **4.8m** Maximum reach
- **3pt** linkage mounting
- **1,013kg** weight
- Suitable for tractors of **55hp & 2,250kg** and above

**Controls:**

- Proportional Cable Controls

**Armsets:**

- Standard straight arm

**Equipment:**

- Angle Float
- LED Road Lighting (optional)

**Attachments:**

- **1.2m** Centre mount, belt drive flailhead

## 3-SERIES

TW-50-3



**Summary:**

- **50hp** Hydraulic System
- **5.0m** Maximum reach
- **3pt** linkage mounting
- **1,126kg** weight
- Suitable for tractors of **60hp & 2,250kg** and above

**Controls:**

- Proportional Cable Controls
- Proportional Low Pressure Hydraulic Controls

**Armsets:**

- Standard straight arm with parallel arm geometry

**Equipment:**

- Angle Float
- LED Road Lighting (optional)

**Attachments:**

- **1.2m** Centre mount, belt drive flailhead

## 4-SERIES

TW 55-4



**Summary:**

- **50hp** Hydraulic System
- **5.5m** Maximum reach
- **3pt** linkage mounting
- **1,340kg** weight
- Suitable for tractors of **60hp & 2,500kg** and above

**Controls:**

- Proportional Cable Controls
- Proportional Low Pressure Hydraulic Controls
- Proportional Electric Controls

**Armsets:**

- Standard straight arm with parallel arm geometry

**Equipment:**

- Angle Float
- Hydraulic Slew
- LED Road Lighting (optional)

**Attachments:**

- **1.2m** Sliding mount, belt drive flailhead

## 5-SERIES

TW 57-5 | TW 60-5 | TW 65-5 | TW 67T-5



**Summary:**

- **65hp** Hydraulic System
- **5.7m - 6.7m** Maximum reach
- **3pt** linkage mounting
- **1,470kg - 1,611kg** weight
- Suitable for tractors of **70hp & 3,000kg** and above

**Controls:**

- Proportional Cable Controls
- Proportional Low Pressure Hydraulic Controls
- Proportional Electric Controls

**Armsets:**

- Standard straight arm with parallel arm geometry
- Telescopic dipper arm with parallel arm geometry
- Cranked arm (CFR) with parallel arm geometry

**Equipment:**

- Angle Float
- Hydraulic Slew
- Hydraulic Oil Cooler
- LED Road Lighting (optional)

**Attachments:**

- **1.2m** Sliding mount, belt drive flailhead
- **1.5m** Centre mount, belt drive flailhead

1-SERIES

TW 32-1 – 3.2m (10'6") reach  
TW 42-1 – 4.2m (13'9") reach

Hydraulic auto-reset

KEY FEATURE FOR THIS SERIES

Compact flailhead with sliding mount



KEY FEATURE FOR THIS SERIES

Parallel Arm Geometry

Created for the amenities, ground-care and landscaping sectors, Twose's 1-Series machines thrive in parks, public spaces and confined environments.

KEY FEATURE FOR THIS SERIES

Cable or electric control options

80ltr oil capacity

30hp hydraulic system

COMPACT AND MANOEUVRABLE

Twose's specialist compact series features a choice of 3.2m and 4.2m models with 30hp hydraulics and advanced parallel arm geometry for outstanding manoeuvrability and precision.

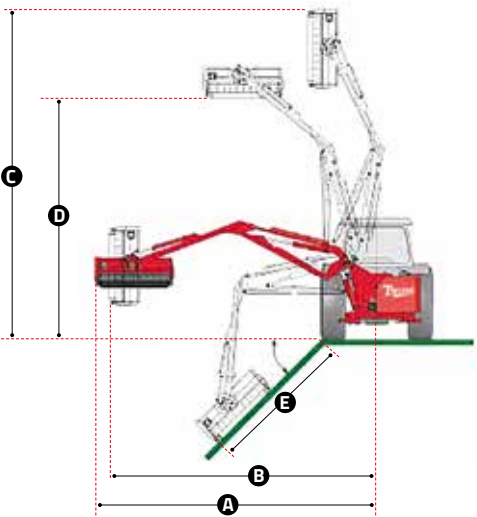
Highly adaptable, 1-Series machines can be fitted quickly and easily on a wide range of utility vehicles. Their low horsepower requirements mean they are compatible with tractors of just 30hp (TW 32-1) or 45hp (TW 42-1).



The Twose Sliding Mount Direct Drive Flailhead

1-SERIES REACH ARM		
Specification	TW 32-1	TW 42-1
HP	30hp	30hp
Reach	3.2m	4.2m
Slew	—	—
Angle Float	■	■
Lift Float	□	□
Mounting	3pt	3pt
Oil Cooler	—	—
Road Lighting	—	—
Weight	400kg	523kg
Oil Tank	80ltr	80ltr
Safety Breakaway	Hydraulic	Hydraulic
ARM SETS		
Standard	—	—
Parallel Arm Geometry	■	■
Telescopic	—	—
CFR	—	—
CONTROLS		
Cable	■	■
Low Pressure	—	—
Electric Proportional	□	□
FLAILHEADS		
1.0m Compact Flailhead	■	■
1.2m Compact Flailhead	□	□
1.2m Centre Mount, Belt Drive Flailhead	—	—
1.2m Sliding Mount, Belt Drive Flailhead	—	—
1.5m Sliding Mount, Belt Drive Flailhead	—	—
REQUIREMENTS		
Minimum tractor weight	1300kg	2000kg
Minimum tractor horsepower	35hp	50kg

■ Standard Equipment □ Optional Equipment — Not available



REACH DIMENSIONS

MODEL	A	B	C	D	E
TW 32-1	3.2m	3.0m	4.1m	3.2m	1.8m
TW 42-1	4.2m	4.1m	4.9m	4.0m	2.9m

SPECIFICATION

- 3.2m & 4.2m reach
- 3-point linkage (CAT I and CAT II)
- 30hp hydraulics

ARMSETS

- Standard straight arm
- Parallel arm geometry

CONTROLS

- Cable controls

KEY FEATURES

- Dual direction cutting
- Hydraulic breakaway protection
- 80-litre oil tank capacity
- Aluminium pumps and motor
- Angle float
- Lift float (optional)

FLAILHEADS

- 1.0m & 1.2m sliding mount flailheads

ATTACHMENTS

- Sawheads
- Cutterbars
- Rotary Heads

TRACTOR REQUIREMENTS

- TW 32-1 - 30hp, 1300kg
- TW 42-1 - 50hp, 2000kg

TWOSE 1-SERIES REACH ARM



2-SERIES

TW 48-2 - 4.8m (15'7") reach

EXTRA FOR THIS SERIES

Centre mount, belt drive flailhead



Standard straight arm configuration

3pt linkage mounting with chain stabiliser

EXTRA FOR THIS SERIES

Large 140ltr oil capacity

EXTRA FOR THIS SERIES

45hp hydraulic system

Affordable and accessible, the 2-Series is for farmers seeking a robust, value-for-money reach arm that's equally adept at hedge-cutting and verge-mowing.

EASY AND AFFORDABLE

Twose's economy series has been designed to deliver a big performance at a small price with 4.8m reach, solid build quality, and 45hp hydraulics.

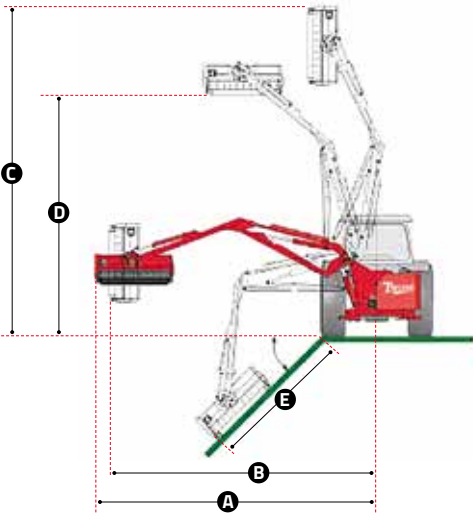
Created for farmers seeking a simple, straightforward machine, the TW 48-2 features the proven precision of cable controls, as well as cast iron pumps and mechanical safety breakaway for durability, while the new high-visibility LED road lights enable operators to work safer and longer.



High visibility LED road lights are optional equipment

2-SERIES REACH ARM	
Specification	TW 48-2
HP	45hp
Reach	4.8m
Slew	—
Angle Float	■
Lift Float	□
Mounting	3pt
Oil Cooler	□
Road Lighting	□
Weight	1013kg
Oil Tank	140ltr
Safety Breakaway	Mechanical
ARM SETS	
Standard	■
Parallel Arm Geometry	—
Telescopic	—
CFR	—
CONTROLS	
Cable	■
Low Pressure	—
Electric Proportional	—
FLAILHEADS	
1.0m Compact Flailhead	—
1.2m Compact Flailhead	—
1.2m Centre Mount, Belt Drive Flailhead	■
1.2m Sliding Mount, Belt Drive Flailhead	—
1.5m Sliding Mount, Belt Drive Flailhead	—
REQUIREMENTS	
Minimum tractor weight	2250kg
Minimum tractor horsepower	55hp

■ Standard Equipment   □ Optional Equipment   — Not available



REACH DIMENSIONS

MODEL	A	B	C	D	E
TW 48-2	4.8m	4.5m	5.6m	4.2m	3.0m

SPECIFICATION

- 4.8m reach
- 3-point linkage
- 45hp hydraulics

ARMSETS

- Standard straight arm

CONTROLS

- Cable controls

KEY FEATURES

- Centre mount flailhead
- 240-degree head rotation
- Dual direction cutting
- Mechanical breakaway protection
- 140-litre oil tank capacity
- Cast iron pumps and motor
- Angle float
- LED road lights (optional)
- Lift float (optional)

FLAILHEADS

- 1.2m centre mount, belt drive, flailhead

ATTACHMENTS

- Sawheads
- Cutterbars
- Rotary Heads

TRACTOR REQUIREMENTS

- 55hp, 2250kg

TWOSE 2-SERIES REACH ARM





3-SERIES

TW 50-3 - 5.0m (16'4") reach

EXTRA FOR THIS SERIES

Low pressure hydraulic control option

Centre mount, belt drive flailhead



EXTRA FOR THIS SERIES

Parallel Arm Geometry

A precise, productive mid-range machine, the 3-Series has been created especially for farmers and small-scale contractors.

EXTRA FOR THIS SERIES

3pt linkage mounting with heavy duty stabiliser

Large 140ltr oil capacity

50hp hydraulic system

COMBINING PERFORMANCE AND VALUE

Featuring 5.0m reach, 50hp hydraulics, and parallel arm geometry, Twose's new TW 50-3 is ideal for those seeking a productive and dependable machine that offers outstanding value.

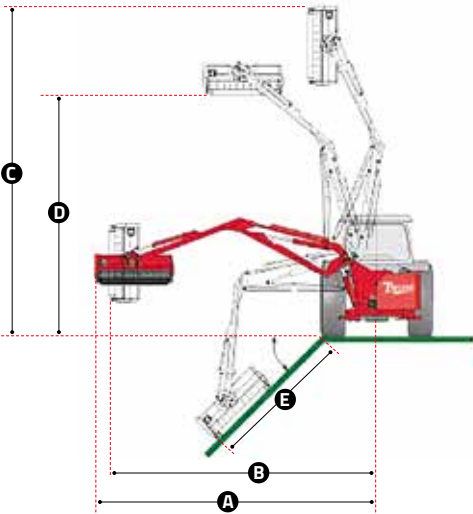
With a choice of control systems, including Twose's proven low pressure hydraulic proportional joystick, the TW 50-3 is intuitive and easy to master and comes with a wide range of working attachments from Cutterbars to Sawheads.



Featuring Low Pressure hydraulic controls. See page 19 for details

3-SERIES REACH ARM	
Specification	TW 50-3
HP	50hp
Reach	5.0m
Slew	—
Angle Float	■
Lift Float	□
Mounting	3pt
Oil Cooler	□
Road Lighting	□
Weight	1126kg
Oil Tank	140ltr
Safety Breakaway	Mechanical
ARM SETS	
Standard	—
Parallel Arm Geometry	■
Telescopic	—
CFR	—
CONTROLS	
Cable	■
Low Pressure	□
Electric Proportional	—
FLAILHEADS	
1.0m Compact Flailhead	—
1.2m Compact Flailhead	—
1.2m Centre Mount, Belt Drive Flailhead	■
1.2m Sliding Mount, Belt Drive Flailhead	—
1.5m Sliding Mount, Belt Drive Flailhead	—
REQUIREMENTS	
Minimum tractor weight	2250kg
Minimum tractor horsepower	60hp

■ Standard Equipment   □ Optional Equipment   — Not available



REACH DIMENSIONS

MODEL	A	B	C	D	E
TW 50-3	5.0m	4.8m	6.0m	4.6m	3.1m

SPECIFICATION

- 5.0m reach
- 3-point linkage
- 50hp hydraulics

ARMSETS

- Standard straight arm
- Parallel arm geometry

CONTROLS

- Cable controls
- Low Pressure hydraulic controls

KEY FEATURES

- Centre mount flailhead
- 240-degree head rotation
- Dual direction cutting
- Mechanical breakaway protection
- 140-litre oil tank capacity
- Cast iron pumps and motor
- Angle float
- LED road lights (optional)
- Lift float (optional)

FLAILHEADS

- 1.2m centre mount, belt drive, flailhead

ATTACHMENTS

- Sawheads
- Cutterbars
- Rotary Heads

TRACTOR REQUIREMENTS

- 60hp, 2250kg

TWOSE 3-SERIES REACH ARM



## 4-SERIES

TW 55-4 - 5.5m (18') reach

### EXTRA FOR THIS SERIES

Electric Proportional control option

Sliding mount, belt drive flailhead

Parallel Arm Geometry

### EXTRA FOR THIS SERIES

Hydraulic Slew

3pt linkage mounting with heavy duty stabiliser

Large 140ltr oil capacity

50hp hydraulic system

*Purpose-built for farmers and contractors, the 4-Series offers productivity and precision at an affordable price.*

# TWOSE 4-SERIES REACH ARM



## PRODUCTIVE AND FEATURE-PACKED

Twose's most advanced mid-range machine, the TW 55-4 features the acclaimed new electric proportional joystick control suite; competitive 5.5m reach; 50hp hydraulics; and a 100-degree hydraulic slew with breakaway protection.

Compatible with tractors of just 60hp and upwards, the machine is equipped with a double-skin heavy duty 1.20m flailhead and is available with more than 10 different cutting attachments, including Sawheads, Cutterbars, and Rotary Heads.

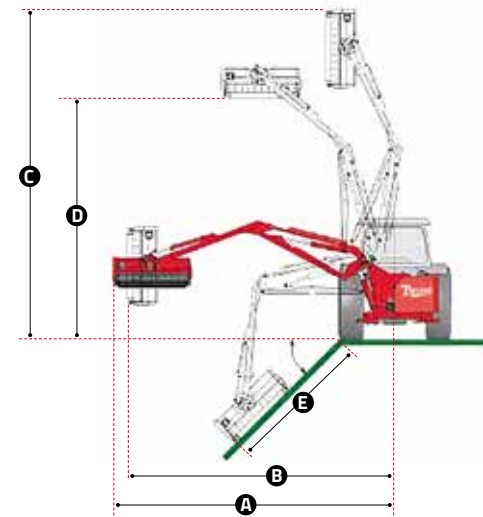


The 4-Series incorporates Hydraulic Slew. See page 21 for details

### 4-SERIES REACH ARM

Specification	TW 55-4
HP	50hp
Reach	5.5m
Slew	■
Angle Float	■
Lift Float	□
Mounting	3pt
Oil Cooler	□
Road Lighting	□
Weight	1340kg
Oil Tank	140ltr
Safety Breakaway	Hydraulic
ARM SETS	
Standard	—
Parallel Arm Geometry	■
Telescopic	—
CFR	—
CONTROLS	
Cable	■
Low Pressure	□
Electric Proportional	□
FLAILHEADS	
1.0m Compact Flailhead	—
1.2m Compact Flailhead	—
1.2m Centre Mount, Belt Drive Flailhead	—
1.2m Sliding Mount, Belt Drive Flailhead	■
1.5m Sliding Mount, Belt Drive Flailhead	—
REQUIREMENTS	
Minimum tractor weight	2500kg
Minimum tractor horsepower	60hp

■ Standard Equipment □ Optional Equipment — Not available



### REACH DIMENSIONS

MODEL	A	B	C	D	E
TW 55-4	5.5m	5.0m	6.2m	4.8m	3.1m

### SPECIFICATION

- 5.5m reach
- 3-point linkage
- 50hp hydraulics

### ARMSETS

- Standard straight arm
- Parallel arm geometry

### CONTROLS

- Cable controls
- Low Pressure hydraulic controls
- Electric Proportional controls

### KEY FEATURES

- Slide-mount flailhead
- 240-degree head rotation
- Dual direction cutting
- Hydraulic slew
- Hydraulic breakaway protection
- 140-litre oil tank capacity
- Cast iron pumps and motor
- Angle float
- LED road lights (optional)
- Lift float (optional)

### FLAILHEADS

- 1.2m sliding mount, belt drive, flailhead

### ATTACHMENTS

- Sawheads
- Cutterbars
- Rotary Heads

### TRACTOR REQUIREMENTS

- 60hp, 2500kg



5-SERIES

TW 57-5 - 5.70m (18'10") reach  
TW 60-5 - 6.00m (19'8") reach  
TW 65-5 - 6.50m (21'4") reach  
TW 67T-5 - 6.70m (22'2") reach

Electric Proportional control option

EXTRA FOR THIS SERIES

Sliding mount, belt drive flailhead

EXTRA FOR THIS SERIES

Hydraulic oil cooler with auto reversing fan

Parallel Arm Geometry

Hydraulic Slew

3pt linkage mounting with heavy duty stabiliser

EXTRA FOR THIS SERIES

High capacity 200ltr oil reservoir

EXTRA FOR THIS SERIES

65hp hydraulic system

Twose's 5-Series machines come with a productive specification and a suite of advanced features that make them an ideal tool for professional contractors.

PURPOSE-BUILT FOR PROFESSIONALS

Twose's flagship 5-Series offers four different reach options from 5.7 to 6.7m, 65hp high-performance hydraulics, and a choice of advanced control systems.

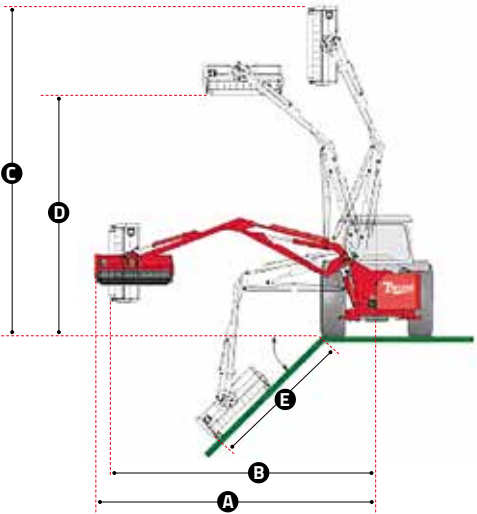
Three different armsets are available including: Standard; Telescopic – for adding or retracting up to 1.0m of extra reach on demand; and Cranked Forward Reach (CFR) – enhancing comfort and visibility and reducing fatigue.



Oil cooler fitted as standard. See page 20 for details

5-SERIES REACH ARM				
Specification	TW 57-5	TW 60-5	TW 65-5	TW 67T-5
HP	65hp	65hp	65hp	65hp
Reach	5.7m	6.0m	6.5m	6.7m
Slew	■	■	■	■
Angle Float	■	■	■	■
Lift Float	□	□	□	□
Mounting	3pt	3pt	3pt	3pt
Oil Cooler	■	■	■	■
Road Lighting	□	□	□	□
Weight	1470kg	1482kg	1498kg	1611kg
Oil Tank	200ltr	200ltr	200ltr	200ltr
Safety Breakaway	Hydraulic	Hydraulic	Hydraulic	Hydraulic
ARM SETS				
Standard	—	—	—	—
Parallel Arm Geometry	■	■	■	■
Telescopic	—	—	—	■
CFR	□	—	□	—
CONTROLS				
Cable	■	■	—	—
Low Pressure	□	□	□	□
Electric Proportional	□	□	□	□
FLAILHEADS				
1.0m Compact Flailhead	—	—	—	—
1.2m Compact Flailhead	—	—	—	—
1.2m Centre Mount, Belt Drive Flailhead	—	—	—	—
1.2m Sliding Mount, Belt Drive Flailhead	■	■	■	■
1.5m Centre Mount, Belt Drive Flailhead	□	□	□	□
REQUIREMENTS				
Minimum tractor weight	3000kg	3000kg	3000kg	3750kg
Minimum tractor horsepower	70hp	70hp	70hp	100hp

■ Standard Equipment   □ Optional Equipment   — Not available



REACH DIMENSIONS

MODEL	A	B	C	D	E
TW 57-5	5.7m	5.4m	6.6m	5.2m	3.7m
TW 60-5	6.0m	5.7m	6.9m	5.2m	3.8m
TW 65-5	6.5m	6.2m	7.2m	5.5m	4.2m
TW 67T-5	6.7m	6.4m	7.5m	5.8m	4.5m

SPECIFICATION

- 5.7m, 6.0m, 6.5m & 6.7m reach
- 3-point linkage
- 65hp hydraulics

ARMSETS

- Standard (5.7m, 6.0m & 6.5m)
- Parallel arm geometry (all models)
- Telescopic (6.7m)
- Cranked Forward Reach (CFR) (5.7m & 6.5m)

CONTROLS

- Cable controls
- Low pressure hydraulic controls
- Electric proportional controls

KEY FEATURES

- Slide-mount flailhead
- 240-degree head rotation
- Dual direction cutting
- Hydraulic slew
- Hydraulic breakaway protection
- 200-litre oil tank capacity
- Cast iron pumps and motor
- Angle float
- LED road lights (optional)
- Lift float (optional)
- Oil cooler kit

FLAILHEADS

- 1.2m sliding mount, belt drive, flailhead
- 1.5m centre mount, belt drive, flailhead

ATTACHMENTS

- Sawheads
- Cutterbars
- Rotary Heads

TRACTOR REQUIREMENTS

- From 70hp, 3000kg

TWOSE 5-SERIES REACH ARM





# ESSENTIAL ARMSET TECHNOLOGY

Precision-engineered in the UK to the ISO9001 hallmark of quality, Twose armsets are proven in the field with a strong, yet manoeuvrable design which ensures the best in productivity, precision and durability.

Four distinct configurations are available, with Telescopic and Cranked Forward Reach models designed to enhance visibility, comfort and safety.

## 1. STANDARD ARMSET

Available for all series.  
Solid proven arm design.

- Tried and trusted configuration



## 2. PARALLEL ARMSET

Available on the 1, 3, 4, and 5-series.  
Maintains consistent height of the cutting attachment regardless of reach adjustment.

- Only one control input required
- Improves over-fence clearance



## 3. TELESCOPIC ARMSET

Available on the TW 67T-5, Twose's telescopic arm adds 1.0m extra reach on demand.

- Greater manoeuvrability
- Precise and responsive arm extension
- Ideal for working in confined environments



## 4. CRANKED FORWARD REACH (CFR)

Available on 5.7m and 6.5m 5-Series models, CFR adds a forward reach extension of 0.9m for enhanced manoeuvrability and visibility.

- Enables operators to position the cutting ahead at any point along the cutting range
- Improves comfort and visibility
- Reduces fatigue
- Ideal for cutting around obstacles
- Boosts safety by allowing operators to concentrate on the road ahead
- Adjust the position of the head to the task at hand





# CONTROL SYSTEMS

Twose puts you in full control with a choice of systems to suit your needs - from simple progressive cable controls which are both accessible and durable to the new Electric Proportional controls which offer multi-functional proportional control and the fingertip precision of an ergonomic twist joystick.

## ELECTRIC PROPORTIONAL CONTROL

Twose's new electric proportional control system offers a new approach to reach arm control, delivering a suite of unique features and a programmable proportional joystick for exceptional fingertip precision.

Lift, reach and head angle are all easy to access using the stick and twist grip, but can also be custom-mapped to programmable joystick buttons.

The system also offers electric lift float for close contour following. When the float is engaged, the weight of the head resting on the ground is monitored through hydraulic pressure. This can be adjusted using + / - keys on the joypad, adding or subtracting load in 3% increments and allowing operators to tailor the system to the material being cut or to specific ground conditions.

The safety breakaway system monitors forces exerted on the head and will automatically break back when an obstacle is encountered and return to the working position once it senses the obstacle has been overcome.

Another key feature is the electric rotor control valve which has an extremely low pressure drop and ensures more efficient horsepower is delivered to the head and not wasted in heat.



### Key features:

- Precise joystick control
- Innovative twist grip for extra functionality
- All major functions at your fingertips
- Intuitive touch pad
- Comfortable and ergonomic
- Three simultaneous proportional functions
- Folding armrest for space efficiency
- Twose's most advanced control system
- Created for large-scale farmers and contractors



## LOW PRESSURE HYDRAULIC JOYSTICK

- Smooth and precise control
- Greater functionality
- Fully proportional control
- Intuitive and comfortable



## CABLE CONTROLS

- Easy to use
- Rugged build quality
- Smooth progressive controls
- Proven in the field





# THE KEY FEATURES



## ANGLE FLOAT

Standard on all electric machines, optional on hydraulic and cable. Angle float enables the cutting head to automatically follow the contours of the ground in a vertical plane reducing operator input and preventing fatigue.

## HYDRAULIC SLEW

Allows the arm to rotate 100 degrees backwards from the working position enabling operators to cut out corners in hedgerows and ensuring the arm can be folded into a safe transport position.



Lift float **ON**



Lift float **OFF**

## LIFT FLOAT

A fast and responsive automatic lift floatation system which enables the cutting head to automatically follow the contours of the ground in a horizontal plane, Lift Float increases verge mowing speeds and reduces operator input for a fast, effective cut without scalping. **Available as an option on all Twose reach arms.**

## OIL COOLER

With automatic temperature regulation, the cooling fan only activates on demand and will auto-reverse every 15 minutes to ensure its cooling pack is cleaned regularly.



## CAST-IRON PUMP & MOTOR

Rugged cast iron pumps and motors provide consistent and reliable performance.



## A WORLD-CLASS FEATURE SET

## 3-POINT LINKAGE MOUNTING

Twose reach arms feature a tried and trusted stable mounting system that is compatible with a comprehensive range of tractor makes and models.

- Easy to fit
- Universally compatible
- Integrated stabiliser frame as standard
- Triangulated stabiliser geometry for added strength and stability
- Interchangeable stabiliser nose to accommodate a range of tractors



## HYDRAULIC SAFETY BREAKAWAY

Available as standard on 1-Series, 4-Series and 5-Series machines, hydraulic breakaway protects the reach arm and the cutting attachment by retracting backwards if the cutting head comes into contact with an obstacle.

The system automatically returns the arm to the working position – eliminating the need for a manual reset.

**Mechanical breakaway protection is available on 2-Series and 3-Series machines.**



Hydraulic safety breakaway enables the reach arm to break backwards on contact with an obstacle.



COMPACT **FLAILHEAD**

(30hp) Size: 1.0m width



**COMPATIBILITY:**  
1-SERIES

Ideally suited for amenities machines, this flailhead is built around the trusted Compact rotor with weld-on lugs in a spiral layout for smooth reliable operation.

- Compact Rotor
- Direct drive
- Skid kit option

CENTRE MOUNT **FLAILHEAD**

(45, 50 & 65hp) Sizes: 1.2m & 1.5m width



**COMPATIBILITY:**  
2-SERIES, 3-SERIES, 5-SERIES

Designed for farmers and small-scale contractors, this flailhead is built around the SD rotor and features weld-on lugs in a spiral layout for smooth reliable cutting.

- SD rotor
- Belt drive
- Skid kit option

SLIDING MOUNT **FLAILHEAD**

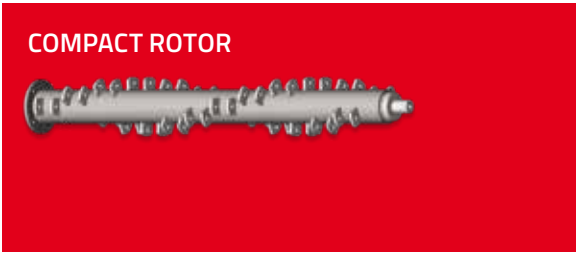
(50 & 65hp) Size: 1.2m width



**COMPATIBILITY:**  
4-SERIES, 5-SERIES

Twose's sliding mount flailhead features wrap-around lugs which provide excellent strength and protection. The spiral layout ensures only two flails are cutting at a time for a smooth, continuous cutting action.

- Also available with the Rollicoup rotor
- Tough double-skin construction
- Belt drive
- Skid kit option



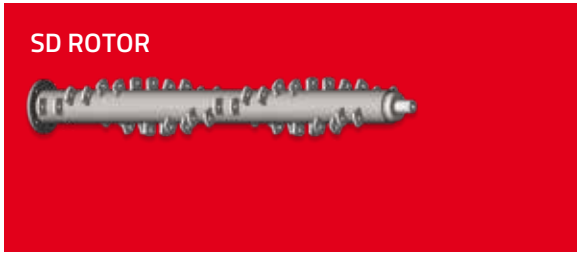
FLAIL OPTIONS



Cast boot flail and shackle



Back-to-back reversible flail and shackle



FLAIL OPTIONS



Reversible T-flail



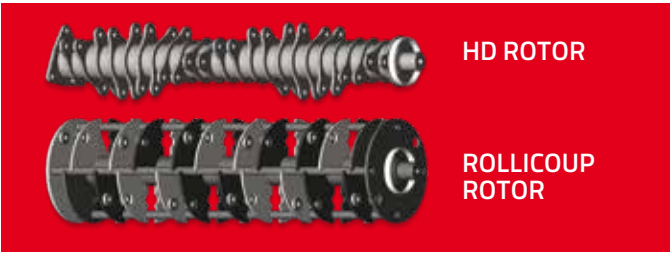
Cast boot flail and shackle



Back-to-back reversible flail and shackle



Cleancut J-Flail



FLAIL OPTIONS



Reversible T-flail



Cast boot flail and shackle



Back-to-back reversible flail and shackle



Cleancut J-Flail

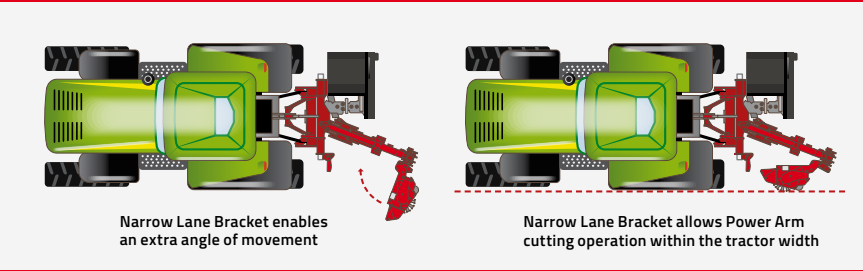


HD Rollicoup flail  
FOR USE WITH ROLLICOUP ROTOR ONLY

**FLAILHEAD ACCESSORIES**



**ROLLICOUP ROTOR**  
Created for dense overgrowth and mature hedgerows. Its design allows heavy-duty flails to spin through 360 degrees - protecting the rotor from damage.



**NARROW LANE BRACKET**  
Fitted between the cutting attachment and the dipper arm for an extra angle of movement, the bracket is essential in narrow lanes where it increases manoeuvrability.

- Enables the reach arm to cut within the width of the tractor
- Improves cutting head geometry



**FLAILHEAD ATTACHMENTS**



**SAWHEADS**

- SD, MD and HD models available
- 1.4m to 2.8m working widths
- Up to 280mm cutting capacity



**CUTTERBARS**

- SD, MD and HD models available
- 1.5m-2.7m working widths
- 40mm, 45mm and 110mm cutting capacity



**ROTARY HEADS**

- 1.2m and 1.5m working widths
- Finecut and MD models available



# THE RANGE OF TWOSE FLAIL & ROTARY MOWERS

From small economical machines to huge 6.00m professional flex-wing models, Twose offers a wide range of rotary and flail mowers ideal for both farmers and contractors.

Twose flail mowers offers a combination of productivity and performance. With a range of different models and working widths from 1.90m to 2.70m and PTO over-run protection standard throughout the range.

Twose's trailed Maxicut rotary mowers are designed to deliver peak performance over the ground and are capable of working everywhere from pasture to stubble fields, airports to fruit plantations.

## TORNADO

190 | 225 | 245 | 270



**Summary:**

- 1.9m (6'2"), 2.2m (7'2"), 2.4m (7'6") and 2.70m (8'8") cutting widths
- Three-point linkage

**Cutting Capacity:**

- 50mm cutting capacity
- 40-90mm cutting height
- 500-700mm offset

**Standard Equipment:**

- Hydraulic side-shift
- Whale-tail flails as standard
- Energy-efficient double spiral rotor
- 540 PTO overrun protection

**Tractor Requirements:**

- From 50hp (Tornado 190)

## TORNADO OPEN

OPEN 230 | OPEN 250 | OPEN 280



**Summary:**

- 2.2m (7'2"), 2.4m (7'8") and 2.7m (8'8") cutting widths
- Three-point linkage

**Cutting Capacity:**

- 75mm cutting capacity
- 30-100mm cutting height
- 500-750mm offset

**Standard Equipment:**

- Hydraulic side-shift
- Whale-tail flails as standard
- Energy-efficient double spiral rotor
- Full-width roller
- Fully adjustable rear gate
- 1,000 PTO overrun protection

**Tractor Requirements:**

- From 55hp (Tornado Open 230)

## TORNADO COMBI

COMBI 230 | COMBI 250 | COMBI 280



**Summary:**

- 2.2m (7'2"), 2.4m (7'8") and 2.7m (8'8") cutting widths
- Three-point linkage

**Cutting Capacity:**

- 75mm cutting capacity
- 30-100mm cutting height
- 500-750mm offset

**Standard Equipment:**

- Hydraulic side-shift
- Whale-tail flails as standard
- Energy-efficient double spiral rotor
- Metal protection guards
- 1,000 PTO overrun protection

**Tractor Requirements:**

- From 50hp (Tornado Combi 230)

## TORNADO MEGA

MEGA 250 | MEGA 270 | MEGA 300



**Summary:**

- 2.4m (7'8"), 2.6m (8'6"), and 2.9m (9'6") cutting widths
- Three-point linkage

**Cutting Capacity:**

- 100mm cutting capacity
- 40-150mm cutting height
- 900mm offset

**Standard Equipment:**

- Hydraulic side-shift
- Whale-tail flails as standard
- Metal protection guards
- 1,000 PTO overrun protection

**Tractor Requirements:**

- From 65hp (Tornado Mega 250)

## MAXICUT

RM460 | RM600



**Summary:**

- 4.6m (15'1") and 6.0m (19' 8") working widths
- Trailed

**Cutting Capacity:**

- Choice of cutting heights from 25mm to 375mm
- 150mm blade overlap for fine finish

**Standard Equipment:**

- Three powerful rotors for outstanding productivity
- Innovative delta-wing design for peak efficiency
- Nine hardened updraft swinging blades
- Flexible wings adjust to the contours of the ground

**Tractor Requirements:**

- From 80hp (Maxicut RM460)



# TORNADO

- 190 - 1.9m (6'2") cutting width
- 225 - 2.2m (7'2") cutting width
- 245 - 2.4m (7'8") cutting width
- 270 - 2.7m (8'8") cutting width



## TWOSE TORNADO FLAIL MOWER

Twose’s Tornado range of flail mowers offers a combination of productivity and performance.

Four different models are available with working widths from 1.9m to 2.7m – with PTO over-run protection standard throughout the range. Featuring an energy-efficient double-spiral rotor, the machine can tackle everything from grass to gorse and even has a hydraulically adjustable offset.

TORNADO FLAIL MOWER				
Specification	Tornado 190	Tornado 225	Tornado 245	Tornado 270
Cutting width	1.9m (6'2")	2.2m (7'2")	2.4m (7'8")	2.7m (8'8")
Minimum tractor horsepower	50hp	60hp	80hp	85hp
Weight	620kg	716kg	747kg	795kg
Cutting height	40-90mm	40-90mm	40-90mm	40-90mm
Transport width	2.13m (7'0")	2.43m (8'0")	2.62m (8'7")	2.9m (9'6")
PTO running speed	540rpm	540rpm	540rpm	540rpm
Over-run protection	Yes	Yes	Yes	Yes
Number of Flails	24	28	30	34
Offset	500mm (1'8")	600mm (2'0")	600mm (2'0")	700mm (2'4")
Adjustable Roller	Standard	Standard	Standard	Standard
Number of Skids	2	2	2	2

### SUMMARY

- 1.9m (6'2"), 2.2m (7'2"), 2.4m (7'8") and 2.7m (8'8") cutting widths
- Three-point linkage

### CUTTING CAPACITY

- 50mm cutting capacity
- 40-90mm cutting height
- 500-700mm offset

### STANDARD EQUIPMENT

- Hydraulic side-shift
- Whale-tail flails as standard
- Energy-efficient double spiral rotor
- 540 PTO overrun protection

### USER FRIENDLY

- Fully adjustable cutting heights
- Easy to mount
- Relatively low horsepower requirement
- Robust build quality

### MARKETS

- Farmers, local government

### TRACTOR REQUIREMENTS

- From 50hp (Tornado 190)

# TORNADO OPEN

- 230 - 2.2m (7'2") cutting width
- 250 - 2.4m (7'8") cutting width
- 280 - 2.7m (8'8") cutting width



## TWOSE TORNADO OPEN FLAIL MOWER

One of the most flexible mowers on the market today, the new Tornado Open features an adjustable five-position rear gate that allows mowing professionals to tailor their machine’s performance to the type of vegetation being cut.

Three different models are available from 2.2m to 2.7m. Features include an energy-efficient double spiral rotor, a full length front roller and an hydraulic offset.

TORNADO OPEN FLAIL MOWER			
Specification	Tornado Open 230	Tornado Open 250	Tornado Open 280
Cutting width	2.2m (7'2")	2.4m (7'8")	2.7m (8'8")
Minimum tractor horsepower	55hp	65hp	75hp
Weight	758kg	790kg	843kg
Cutting height	30-100mm	30-100mm	30-100mm
Transport width	2.50m (8'2")	2.70m (8'10")	3.00m (9'10")
PTO running speed	1,000rpm	1,000rpm	1,000rpm
Over-run protection	Yes	Yes	Yes
Number of Flails	26	28	32
Offset	500mm (1'8")	500mm (1'8")	750mm (2'5")
Adjustable Roller	Standard	Standard	Standard
Number of Skids	TBC	TBC	TBC

### SUMMARY

- 2.2m (7'2"), 2.4m (7'8") and 2.7m (8'8") cutting widths
- Three-point linkage

### CUTTING CAPACITY

- 75mm cutting capacity
- 30-100mm cutting height
- 500-750mm offset

### STANDARD EQUIPMENT

- Hydraulic side-shift
- Whale-tail flails as standard
- Energy-efficient double spiral rotor
- Full-width roller
- Fully adjustable rear gate
- 1,000 PTO overrun protection

### USER FRIENDLY

- Tackles everything from fine grass to gorse
- Five different cut settings
- Fully adjustable cutting heights
- Easy to mount
- Relatively low horsepower requirement
- Robust build quality

### MARKETS

- Farmers, local government

### TRACTOR REQUIREMENTS

- From 55hp (Tornado Open 230)



# TORNADO COMBI

- 230 - 2.2m (7'2") cutting width
- 250 - 2.4m (7'8") cutting width
- 280 - 2.7m (8'8") cutting width



## TWOSE TORNADO COMBI FLAIL MOWER

More advanced than the Tornado series, the Combi range is rugged and robust, features hydraulic offset as standard on all models, and offers a choice of three different cutting widths from 2.2m to 2.7m.

Front and rear mounting options make it ideal for contractors, while 1000 rpm PTO protection safeguards the machine and enhances durability. Capable of cutting through material up to 50mm, Twose's Combi mowers deliver a fine-cut finish.

TORNADO COMBI FLAIL MOWER			
Specification	Tornado Combi 230	Tornado Combi 250	Tornado Combi 280
Cutting width	2.2m (7'2")	2.4m (7'8")	2.7m (8'8")
Minimum tractor horsepower	50hp	70hp	80hp
Weight	776kg	810kg	864kg
Cutting height	30-100mm	30-100mm	30-100mm
Transport width	2.50m (8'2")	2.70m (8'10")	3.00m (9'10")
PTO running speed	1,000rpm	1,000rpm	1,000rpm
Over-run protection	Yes	Yes	Yes
Number of Flails	26	28	32
Offset	500mm (1'8")	500mm (1'8")	750mm (2'5")
Adjustable Roller	Standard	Standard	Standard
Number of Skids	2	2	2

### SUMMARY

- 2.2m (7'2"), 2.4m (7'8") and 2.7m (8'8") cutting widths
- Three-point linkage

### CUTTING CAPACITY

- 75mm cutting capacity
- 30-100mm cutting height
- 500-750mm offset

### STANDARD EQUIPMENT

- Hydraulic side-shift
- Whale-tail flails as standard
- Energy-efficient double spiral rotor
- Metal protection guards
- 1,000 PTO overrun protection

### USER FRIENDLY

- Front and rear mounting option
- Powerful cutting action with a choice of working widths
- Fully adjustable cutting heights
- Relatively low horsepower requirement
- Easy to mount
- Robust build quality

### MARKETS

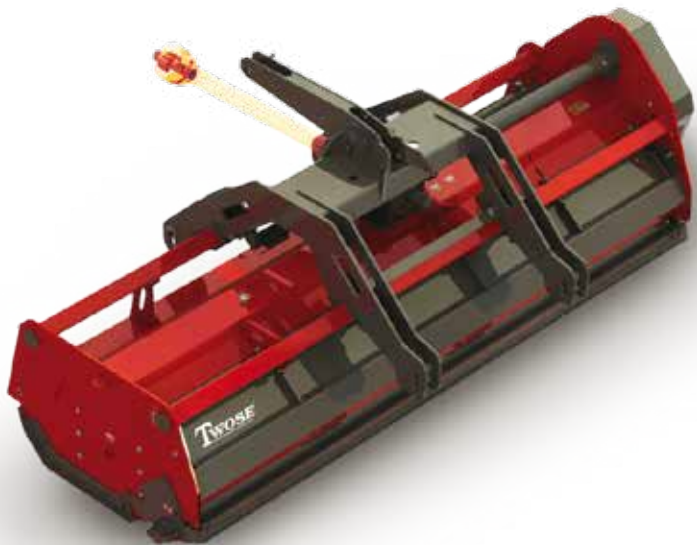
- Farmers, local government, contractors

### TRACTOR REQUIREMENTS

- From 50hp (Tornado Combi 230)

# TORNADO MEGA

- 250 - 2.4m (7'8") cutting width
- 270 - 2.6m (8'6") cutting width
- 300 - 2.9m (9'6") cutting width



## TWOSE TORNADO MEGA FLAIL MOWER

The Tornado Mega is the most powerful flail mower from Twose and can cut through vegetation up to 80cm thick, ideal for fast, effective mulching in dense overgrowth and thick stubble.

Available in 2.4m, 2.6m and 2.9m working widths it can be front or rear mounted and has a fully adjustable five-position rear gate, allowing operators to adjust the machine to deliver everything from a fine-cut finish to a heavy-duty mulch.

TORNADO MEGA FLAIL MOWER			
Specification	Tornado Mega 250	Tornado Mega 270	Tornado Mega 300
Cutting width	2.4m (7'8")	2.6m (8'6")	2.9m (9'6")
Minimum tractor horsepower	65hp	80hp	95hp
Weight	1120kg	1173kg	1241kg
Cutting height	40-150mm	40-150mm	40-150mm
Transport width	2.73m (8'11")	2.93m (9'7")	3.22m (10'7")
PTO running speed	1,000rpm	1,000rpm	1,000rpm
Over-run protection	Yes	Yes	Yes
Number of Flails	20	22	26
Offset	900mm (2'11")	900mm (2'11")	900mm (2'11")
Adjustable Roller	Standard	Standard	Standard
Number of Skids	TBC	TBC	TBC

### SUMMARY

- 2.4m (7'8"), 2.6m (8'6"), and 2.9m (9'6") cutting widths
- Three-point linkage

### CUTTING CAPACITY

- 100mm cutting capacity
- 40-150mm cutting height
- 900mm offset

### STANDARD EQUIPMENT

- Hydraulic side-shift
- Whale-tail flails as standard
- Metal protection guards
- 1,000 PTO overrun protection

### USER FRIENDLY

- Designed for intensive use
- Extremely powerful cutting action with a choice of working widths
- Front and rear mounting option
- Fully adjustable cutting heights
- Easy to mount
- Robust build quality

### MARKETS

- Forestry specialists, full time contractors and local government

### TRACTOR REQUIREMENTS

- From 65hp (Tornado Mega 250)





# MAXICUT

RM460 - 4.6m (15'1") cutting width

## TWOSE MAXICUT ROTARY MOWER

Twose’s most advanced rotary mower, the RM range of flex-wing machines has been specially designed for farmers and contractors. Capable of tackling everything from set-a-side mulching to stubble management, the RM machines feature heavy-duty, long-life gearboxes and are fast and flexible over the ground for outstanding productivity.

The machine ‘floats’ over the ground, while 115-degree wing movement ensures close contour-following even on undulating surfaces. Fast-effective hydraulic folding ensures a rapid transition to and from the transport position.

MAXICUT ROTARY MOWER	
Specification	MAXICUT RM460
Cutting width	4.6m (15'1")
Minimum tractor horsepower	80hp
Weight	2300kg
Cutting height	25-375mm
Overall width	4.75m (15'6")
Transport width	2.34m (7'7")
PTO running speed	1000rpm
Number of Rotas	3
Number of Blades	9

### SUMMARY

- 4.6m (15'1") working width
- Trailed

### PERFORMANCE FEATURES

- Three powerful rotors for outstanding productivity
- Innovative delta-wing design for peak efficiency
- Nine hardened updraft swinging blades
- Choice of cutting heights from 25 to 375mm
- 150mm blade overlap for fine finish
- Flexible wings adjust to the contours of the ground

### USER FRIENDLY

- Safe, fast hydraulic folding for safe transport
- Replaceable full-length skids
- Front and rear chains protect operators

### RELIABILITY AND PROTECTION

- 1,000 PTO overrun protection
- Robust build quality

### MARKETS

- Contractors, local government, professionals

### TRACTOR REQUIREMENTS

- 80hp



# MAXICUT

RM600 - 6.0m (19'8") cutting width

## TWOSE MAXICUT ROTARY MOWER

The Twose RM600 rotary mower is available in a cutting width of 6.0m and is suitable for tractors of 100hp and above. Specifically designed for safe, fast, efficient and effective cutting on all terrains.

Independent wing lift gives optimum manoeuvrability with the automatic levelling linkage keeping the deck parallel to the ground for an even cut and easy height adjustment.

The wide angle PTO supplies power from the tractor to the mower but also allows the tightest of turns when working in confined spaces and around obstacles. Excellent for set aside and large pasture topping.

MAXICUT ROTARY MOWER	
Specification	MAXICUT RM600
Cutting width	6.0m (19'8")
Minimum tractor horsepower	100hp
Weight	3470kg
Cutting height	25-375mm
Overall width	6.30m (20'6")
Transport width	2.56m (8'4")
PTO running speed	1000rpm
Number of Rotas	3
Number of Blades	9

### SUMMARY

- 6.0m (19'8") working width
- Trailed

### PERFORMANCE FEATURES

- Three powerful rotors for outstanding productivity
- Innovative delta-wing design for peak efficiency
- Nine hardened updraft swinging blades
- Choice of cutting heights from 25 to 375mm
- 150mm blade overlap for fine finish
- Flexible wings adjust to the contours of the ground

### USER FRIENDLY

- Safe, fast hydraulic folding for safe transport
- Replaceable full-length skids
- Front and rear chains protect operators

### RELIABILITY AND PROTECTION

- 1,000 PTO overrun protection
- Robust build quality

### MARKETS

- Contractors, local government, professionals

### TRACTOR REQUIREMENTS

- 100hp





**Twose**  
Temeside Works, Ludlow,  
Shropshire SY8 1JL  
United Kingdom

Tel **+44 (0)1584 873131**  
Fax **+44 (0)1584 876463**  
E-mail **sales@twose.com**  
Website **www.twose.com**



Twose is a trading  
brand of McConnel

