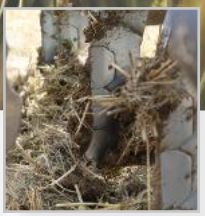
J.J.METCALFE & SON LTD
T 01609 771124
E info@jjmetcalfeandson.com
www.jjmetcalfeandson.com

GENERAL WEARING PARTS CATALOGUE




SPECIALISTS IN PERFORMANCE PARTS FOR AGRICULTURE

- > HEAVY CULTIVATION & MIN TILL
- > THE NG SYSTEM
- > SEED DRILLS
- > PLOUGH PARTS
- > PRECISION DRILLS
- > WELD ON PARTS
- > TUNGSTEN CARBIDE

2026

J.J.Metcalfe & Son Ltd
Willow Garth Farm, Newby Wiske,
Northallerton, North Yorkshire, DL7 9ET

INDEX

> HEAVY CULTIVATION & MIN TILL 3-6
to fit Sumo
to fit Tim Howard
to fit Farm Force
to fit Quivogne

> THE NG SYSTEM 7-8

> THE NG-LT SYSTEM/CS150 RANGE 9-10

> SEED DRILLS 11-14
to fit Horsch, Amazone, Ultima, Seed Hawk
to fit Simba Freeflow, Universal Spring Tine
to fit Horsch Duet

> PLOUGH PARTS 15
to fit Gregoire Besson
to fit Kverneland
to fit Dowdeswell
to fit Lemken
to fit Kuhn

> PRECISION DRILLS 16
to fit Monopil
to fit Monosem
to fit Kleine

> WELD ON PARTS 17-22

T | 01609 771124
E | info@jjmetcalfeandson.com
www.jjmetcalfeandson.com

ABOUT J.J.METCALFE & SON LTD

With a wealth of 'in field' knowledge dating back to 1947, family run company J.J.Metcalfe & Son Ltd believe in achieving the best possible crop yield from the most economically viable solutions.

Specialising in the application of tungsten carbide, J.J.Metcalfe & Son Ltd focus on manufacturing wearing parts for agriculture that provide a consistently high performance throughout a long life using high grade steels, heat treatment methods and hard facing alongside tungsten carbide.

J.J.Metcalfe & Son's extensive knowledge on the manufacture of castings and the application of tungsten carbide, means that they now supply some of the industry's largest brand names.

> KEY

HF > This product has hard facing.

TC > This product features tungsten carbide.

REFURB > This product needs to be sent in for refurbishment.

PRODUCT ID > Our product code/part number.

> PLEASE NOTE

Manufacturers names are used for reference only, all parts are designed and manufactured by J.J.Metcalfe & Son Ltd.

J.J.Metcalfe & Son Ltd
Willow Garth Farm, Newby Wiske,
Northallerton, North Yorkshire, DL7 9ET

HEAVY CULTIVATION & MIN TILL

SU-PT2010T/C



TC

SUMO

SU-PT2010



SUMO

SU-PT2012T/C



TC

SUMO

SU-PT/GLP



TC

SUMO GRASSLAND

HIGH QUALITY, INCREASED ENDURANCE POINTS TO RETRO FIT SUMO SUBSOIL MACHINES. WINGS ARE AVAILABLE FOR 2010 AND 2012 POINTS.

Manufacturers names used for reference only, all parts designed and manufactured by J.J.Metcalfe & Son Ltd.

SU-WINGT/C



TC

SUMO

T | 01609 771124
E | info@jjmetcalfeandson.com
www.jjmetcalfeandson.com

TH-8/2011T/C



TIM HOWARD

TC

TH-12/2011T/C



TIM HOWARD

TC

TH-8/2011



TIM HOWARD

TH-12/2011



TIM HOWARD

TH-WING

TUNGSTEN WINGS ARE AVAILABLE FOR JJM TH-8 AND TH-12 POINTS

TIM HOWARD

> TIM HOWARD POINTS FIT TIM HOWARD, FARM FORCE & SUMO SUBSOILERS.

Manufacturers names used for reference only, all parts designed and manufactured by J.J.Metcalfe & Son Ltd.

T | 01609 771124
E | info@jjmetcalfeandson.com
www.jjmetcalfeandson.com

SU-CONAFT07



SUMO WELD ON LEG

SU-CON/GL



SUMO GRASSLAND WELD ON LEG

TH-LEG/FULL



TIM HOWARD FULL LEG

TH-LEG/CON



TIM HOWARD WELD ON LEG

> FULL & WELD ON HALF LEGS ARE AVAILABLE FOR MOST SUBSOILERS.

J.J.Metcalfe & Son Ltd
Willow Garth Farm, Newby Wiske,
Northallerton, North Yorkshire, DL7 9ET

QU-PT/PL



TC

QUIVOGNE PLUTO / PLUTON

BGPT



HF

TC

UNIVERSAL BLACK GRASS POINT

QU-PT/T/L



TC

QUIVOGNE TINE MASTER

> QUIVOGNE LEGS ARE AVAILABLE IN A 200MM WING WIDTH.

J.J.Metcalfe & Son Ltd
Willow Garth Farm, Newby Wiske,
Northallerton, North Yorkshire, DL7 9ET

THE NG CULTIVATION SYSTEM

NG OPTION 1



HF

TC

NG OPTION 2



HF

TC

NG OPTION 3



HF

TC

NG OPTION 4



HF

TC

LEARN MORE ABOUT THE NG SYSTEM >

For more information, a full part list and prices please pick up our dedicated NG System Brochure or visit our website www.jjmetcalfeandson.com where you will find all the information and the online brochure plus videos of the NG System in action.

This product is protected by Registered Community Design Application Number 002227322

T | 01609 771124
E | info@jjmetcalfeandson.com
www.jjmetcalfeandson.com



Soil types vary widely across fields, farms and regions worldwide, making it difficult to find a cultivation system that consistently performs well in most conditions. With a choice of shins, wings and points, the versatile NG System from J.J. Metcalfe & Son can be tailored for optimal performance in any soil type.

The System is built around three key principles. First, the NG System is engineered to create the best possible soil structure for the crop. In most situations, achieving higher yields per acre is far more valuable than savings in fuel or wear, making soil structure the most important factor when selecting a cultivation system.

Secondly, the NG System delivers this performance while operating with the lowest possible draft. It is crucial to consider how effectively the NG System is preparing the soil before focusing on fuel savings, as insufficient soil conditioning can lead to wasted fuel and reduced results.

Finally, the NG System is designed to minimise wear. Its interchangeable components maximise the lifespan of each part, while tungsten carbide protection ensures consistent performance throughout the system's working life.

J.J.Metcalfe & Son Ltd
Willow Garth Farm, Newby Wiske,
Northallerton, North Yorkshire, DL7 9ET

NG LT SYSTEM RANGE



The NG LT System offers precise, low-disturbance compaction relief, using a refined low-draft design that moves only the soil required and leaves an ideal finish for drilling.

Working at 4”–8” (100–200 mm), it features fully replaceable wear parts with options to suit varying conditions. Its versatile bracket system fits 100 mm box sections or weld-on mounts, making retrofitting easy across subsoilers and machines from Grange Machinery, Cultivating Solutions, Ryetec and Weaving.

Please see our NG System Brochure for the full range of parts

These products are protected by Registered Community Design Application Number 002227322



JJM CS 150 RANGE

The CS150 range delivers efficient, low-disturbance soil lifting from 120–200 mm (4”–8”), with wing options of 100, 150 or 200 mm and an optional stonepoint leg for abrasive or stony ground.

Its legally protected, low-draught design removes compaction from baling and manure-spreading while keeping fuel use low.

With a 100 mm clamp-on or weld-on bracket, the CS150 fits seamlessly to machines from Cultivating Solutions, Grange Machinery, Ryetec and Weaving.

These products are protected by Registered Community Design Application Number 003522788

T | 01609 771124
E | info@jjmetcalfeandson.com
www.jjmetcalfeandson.com



Complete Bracket 100mm Box
Product ID: JJMCSBR/100



Complete Leg, 150mm wing with tungsten point
Product ID: JJMCS150



NG LT Leg
Product ID: NGLT-LEG



Complete Leg, 150mm wing with tungsten Stone point
Product ID: JJMCS150S



100mm Weld On Bracket
Product ID: JJMLWO100



Complete Leg, 200mm wing with tungsten Stone point
Product ID: JMCS200S

J.J.Metcalfe & Son Ltd
Willow Garth Farm, Newby Wiske,
Northallerton, North Yorkshire, DL7 9ET

DIRECT DRILL OPTIONS

JJMDDHSPCO



HORSCH

JJMDDHAMCAY



AMAZONE CAYENA

JJMDDHAMCON



AMAZONE CONDOR

JJMDDHULTI



ULTIMA

JJMDDHSHF/SHS



SEEDHAWK FERT/SEED

JJMDDHJOCK



JOCKEY - REQUIRES SPCO HOLDER AND POINT

JJMDDHVIRK



VIRKAR

LEARN MORE ABOUT OUR DIRECT DRILL OPTIONS >

For more information, a full part list and prices please pick up our dedicated Direct Drill Brochure or visit our website www.jjmetcalfeandson.com where you will find all the information and the online brochure.



12MM TIP



100MM TIP

EASILY SWITCH BETWEEN TIPS BY CHANGING A SINGLE ROLL PIN.

Tips are available in three different lengths and six different widths.



SEED TUBE



GRANULAR FERT

MULTIPLE TUBE OPTIONS!

We have a variety of tubes available including granular and liquid fertiliser.

The liquid fertiliser tube can be internal, external or both.

Brackets are at 125mm or 154mm depending on tip length.



INT. LIQUID FERT



EXT. LIQUID FERT



INT. & EXT. LIQUID FERT

J.J.Metcalfe & Son Ltd
Willow Garth Farm, Newby Wiske,
Northallerton, North Yorkshire, DL7 9ET

SEED DRILLS

JJMETFLOW

FULL FREEFLOW CONVERSION COULTER

The 'Metflow' coulter allows Simba Freeflow and Mini-flow machines to direct drill by fitting to the bottom of the spring tine.



HF

TC

JJM UNIVERSAL SPRING TINE

JJM UST



HF

TC

FULL UNIVERSAL SPRING TINE CONVERSION COULTER

The 'JJM UST' coulter allows the adaptation of many different front facing spring tine drills on the market to a high penetration drilling system.

It is constructed from three individual parts, which can be replaced as necessary. The 12mm point has a leading tungsten edge, with hardfacing to the rear of the point to prevent wear. The tube is curved to allow optimal seed flow.

It is compatible with Kverneland TS Evo, Kuhn Megant, KöckerlingAll Rounder, Horsch Finer and Terrano.

KEEP UP WITH US ON TWITTER @JJMANDSON

HORSCHPT2



TC

HORSCH POINT

HORSHWGMK2



HORSCH WING/BASE PLATE



Spring beans drilled with horsch conversion coulters by Richard Raper, Thirsk.

J.J.Metcalfe & Son Ltd
Willow Garth Farm, Newby Wiske,
Northallerton, North Yorkshire, DL7 9ET

PPGBTC/HF



HF
TC

GREGOIRE BESSON PLOUGH POINT

PPKVTC/HF



HF
TC

KVERNELAND PLOUGH PART

PPRDTC/HF



HF
TC

DOWDESWELL PLOUGH POINT

PPLETC/HF



HF
TC

LEMKEN PLOUGH POINT

PPKHTC/HF



HF
TC

KUHN PLOUGH POINT

>TUNGSTEN CARBIDE PLOUGH PARTS WITH HARD FACING, INCREASING LIFE AND PERFORMANCE!

Manufacturers names used for reference only, all parts designed and manufactured by J.J.Metcalfe & Son Ltd.

T | 01609 771124
E | info@jjmetcalfeandson.com
www.jjmetcalfeandson.com

>ADDING TUNGSTEN CARBIDE TO YOUR DRILL COULTERS GIVES THEM OVER SIX TIMES THE LIFE IN COMPARISON TO STEEL.

J.J.Metcalfe & Son Ltd specialise in the application of Tungsten Carbide. We supply new coulters or apply tungsten carbide to your new or worn coulters to extend their life and increase performance.



TC
REFURB

MONOSEM DRILL COULTER



TC
NEW

KLEINE DRILL COULTER



TC
REFURB

KLEINE UNICORN DRILL COULTER



TC
NEW

MONOPIL DRILL COULTER



TC
NEW

MONOPIL MULCH DRILL COULTER

J.J.Metcalfe & Son Ltd
Willow Garth Farm, Newby Wiske,
Northallerton, North Yorkshire, DL7 9ET

WELD ON PARTS

> STEEL BACKED TUNGSTEN CARBIDE WELD ON STRIPS AND TIPS.

Our tungsten carbide weld on parts enable you to weld tungsten carbide onto areas that need more protection, increasing performance and wear rates.

WOS030



TC

WOS045



TC

WOS060



TC

WOS060S



TC

PART ID	TOTAL TILED AREA (MM)	BACKING STRIP SIZE (MM)
WOS030	30 X 20 X 4	30 X 40 X 10
WOS045	45 X 20 X 4	45 X 40 X 10
WOS060	60 X 30 X 4	60 X 30 X 10
WOS060S	60 X 30 X 6	60 X 30 X 10

WOS090



TC

WOS090A



TC

WOS135



TC

WOS135A



TC

PART ID	TOTAL TILED AREA (MM)	BACKING STRIP SIZE (MM)
WOS090	90 X 20 X 4	90 X 40 X 10
WOS090A	90 X 20 X 4 ANGLE	90 X 40 X 10
WOS135	135 X 20 X 4	135 X 40 X 10
WOS135A	135 X 20 X 4 ANGLE	135 X 40 X 10

J.J.Metcalfe & Son Ltd
Willow Garth Farm, Newby Wiske,
Northallerton, North Yorkshire, DL7 9ET

WELD ON PARTS

WOS180



TC

WOS180A



TC

WOS225



TC

WOS225A



TC

PART ID	TOTAL TILED AREA (MM)	BACKING STRIP SIZE (MM)
WOS180	180 X 20 X 4	180 X 40 X 10
WOS180A	180 X 20 X 4 ANGLE	180 X 40 X 10
WOS225	225 X 20 X 4	225 X 40 X 10
WOS225A	225 X 20 X 4 ANGLE	225 X 40 X 10

WOS120



TC

WOS45201



TC

WOS45202



TC

WOS45203



TC

PART ID	TOTAL TILED AREA (MM)	BACKING STRIP SIZE (MM)
WOS120	120 X 20 X 4	120 X 20 X 10
WOS45201	45 X 20	135 X 20 X 10
WOS45202	90 X 20	135 X 20 X 10
WOS45203	135 X 20	135 X 20 X 10

J.J.Metcalfe & Son Ltd
Willow Garth Farm, Newby Wiske,
Northallerton, North Yorkshire, DL7 9ET

WELD ON PARTS

WOS45202



WOS4509



WOT060



WOT075



PART ID	TOTAL TILED AREA (MM)	BACKING STRIP SIZE (MM)
WOS45202	180 X 10 X 4	180 X 8 X 10
WOS4509	180 X 10 X 10	180 X 8 X 10
WOT060	60 X 32 X 4.5	100 X 60 X 35
WOT075	60 X 32 X 4.5	75 X 35 X 35
	60 X 32 X 4.5	

WOT100



TC

WOT150



HF TC

WOT080



HF TC

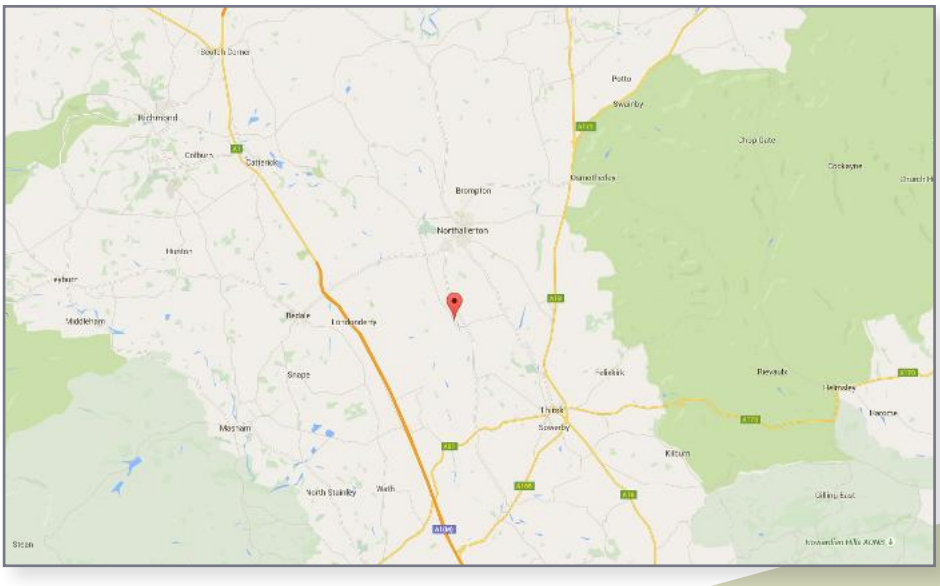
PART ID	TOTAL TILED AREA (MM)	BACKING STRIP SIZE (MM)
WOT100	60 X 32 X 4.5 45 X 20 X 2	100 X 35 X 35
WOT150	45 X 20 X 4	150 X 45 X 15
WOT080	42 X 32 X 4	80 X 32 X 10

J.J.Metcalfe & Son Ltd
Willow Garth Farm, Newby Wiske,
Northallerton, North Yorkshire, DL7 9ET

J.J.METCALFE & SON LTD

T 01609 771124 | E info@jjmetcalfeandson.com

WHERE TO FIND US



NEXT DAY SERVICE ON ALL IN STOCK PARTS

WWW.JJMETCALFEANDSON.COM

J.J.Metcalfe & Son Ltd
Willow Garth Farm, Newby Wiske,
Northallerton, North Yorkshire, DL7 9ET