



J.J.METCALFE & SON LTD

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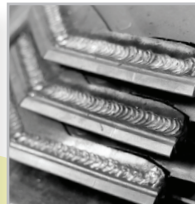
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DIRECT DRILL COULTERS 2016



SPECIALISTS IN PERFORMANCE PARTS FOR AGRICULTURE



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



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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.

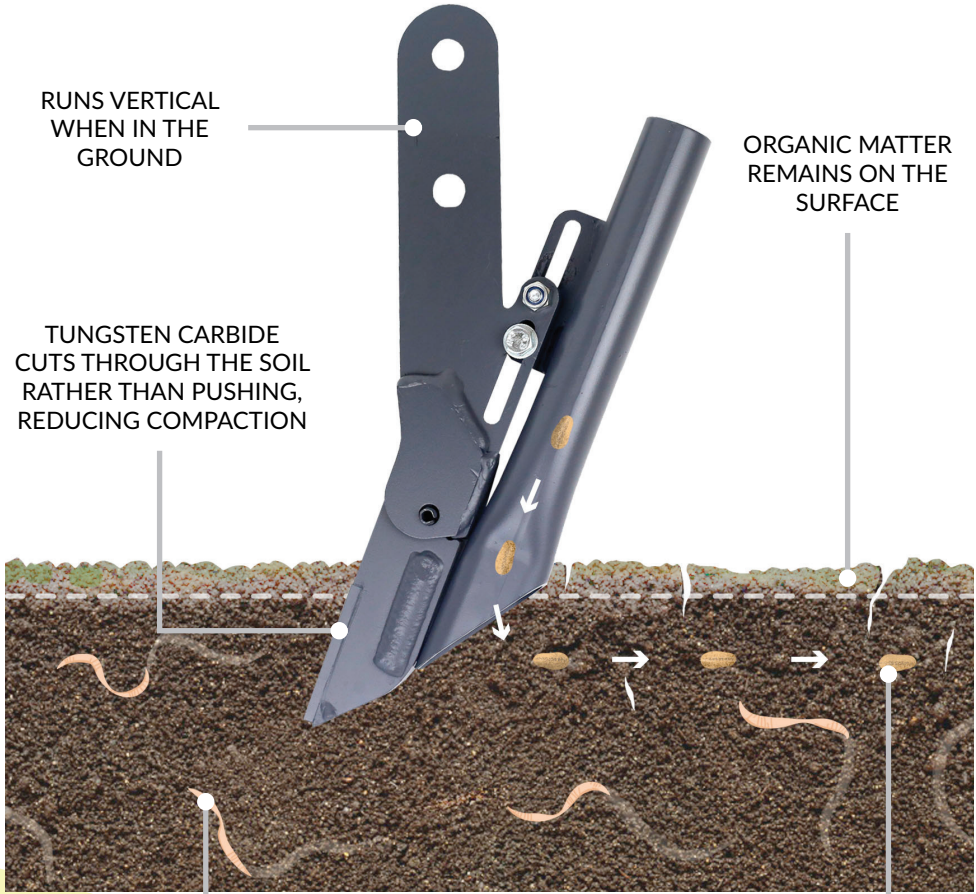
PRODUCT ID > Our product code/part number.

>PLEASE NOTE

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



ABOUT DIRECT DRILLING



RUNS VERTICAL
WHEN IN THE
GROUND

ORGANIC MATTER
REMAINS ON THE
SURFACE

TUNGSTEN CARBIDE
CUTS THROUGH THE SOIL
RATHER THAN PUSHING,
REDUCING COMPACTION

WORM POPULATION
LEFT UNDISTURBED
TO AERATE SOIL

SEEDS PLACED UNDER
ORGANIC MATTER



The agricultural industry is seeing a rise in the use of cover crops and direct drilling, the agronomic benefits are reason enough for growers to decide to use these techniques.

Cover crops can help improve soil structure and quality, increase the organic matter, create a source of nitrogen, suppress weeds and potentially reduce fertiliser costs.

In 2015 J.J.Metcalf & Son Ltd launched their own direct drill coulters. The tungsten carbide tipped, component based range of seed and fertiliser coulters enable growers to turn their Horsch CO series or sprinter drills into direct drills.

With narrow 12mm width points the coulters provide low disturbance drilling, ideal for sowing straight into stubble or cover crop.

Sowing into thick standing crop is also made easy, the tungsten carbide tips help to cut through the soil rather than compacting it, creating the perfect conditions for new seeds.





TO FIT HORSCH



JJMSPCOH02SC

FULL HORSCH CON. COULTER

HF
TC



JJMSPCOH002SC

HORSCH CON. COULTER



JJMSPCOT001

HORSCH CON. SEED TUBE



JJMSHP001

HORSCH CON. REPLACEABLE TIP

HF
TC

JJMSHP002



HF

TC

HORSCH CON. LONG TIP

> TRANSFORM YOUR CURRENT DRILL IN TO A DIRECT DRILL!

The JJM Conversion Coulters enable growers to convert Horsch CO series and Sprinter drills in to direct drills. The coulters bolt directly to the machine where the duet point would normally.



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Image courtesy of Tom Greenhalgh, Mill Hill Farms Ltd, Retford.



TO FIT SEEDHAWK



HF
TC

FULL SEED HAWK FERT COULTER



HF
TC

FULL SEED HAWK SEED COULTER



SEED HAWK FERT HOLDER



SEED HAWK SEED HOLDER

JJMSHT001



SEED HAWK SEED/FERT TUBE

JJMSHP001



SEED HAWK REPLACEABLE TIP

HF
TC

JJMSHP002



SEED HAWK LONG TIP

HF
TC

JJMSHP003



SEED HAWK SHORT TIP

HF
TC



THE NG CULTIVATION SYSTEM

It is easy to understand why many farmers and growers are choosing to switch to direct drilling. However, the transition can be daunting and not always easy, yield can suffer in the first few years if the land is not ready.

Eventually, crop rotation and a healthy worm population will take the place of tillage, but initially the NG System from J.J.Metcalf & Son Ltd can improve soil structure to prepare for direct drilling.

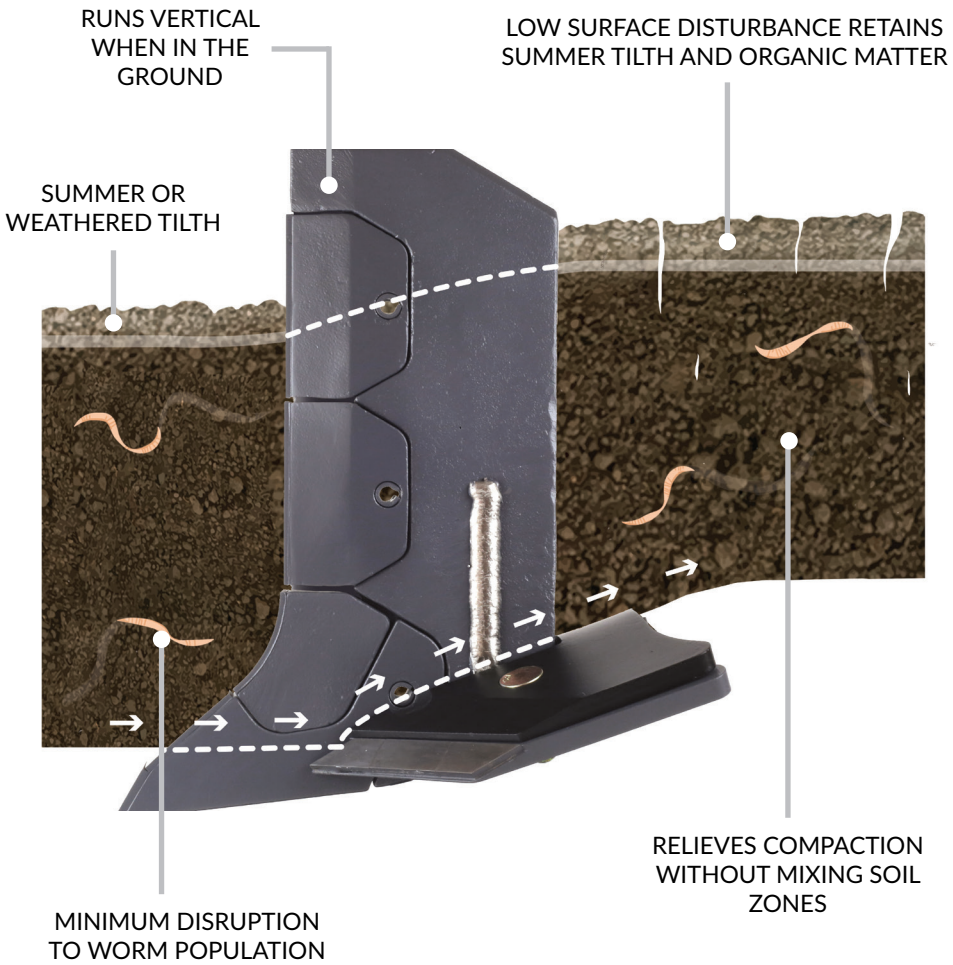
In order for direct drilling to be a success the soil must be free of compaction, have a healthy worm populace and plenty of organic matter.

Direct drilling requires the seed to be placed directly beneath the residues of the previous crop with minimal soil disruption. Worms help aerate the soil and reduce compaction therefore must not be disturbed.

The low disturbance nature of the NG System is the perfect transitional subsoiler point. The NG System has the ability to relieve compaction without mixing soil zones, it creates fissures through the soil allowing air flow, water and nutrients to penetrate. The narrow

shin retains the summer tilth providing good seed to soil contact which is essential for germination, and keeps the disruption of worms as low as possible.



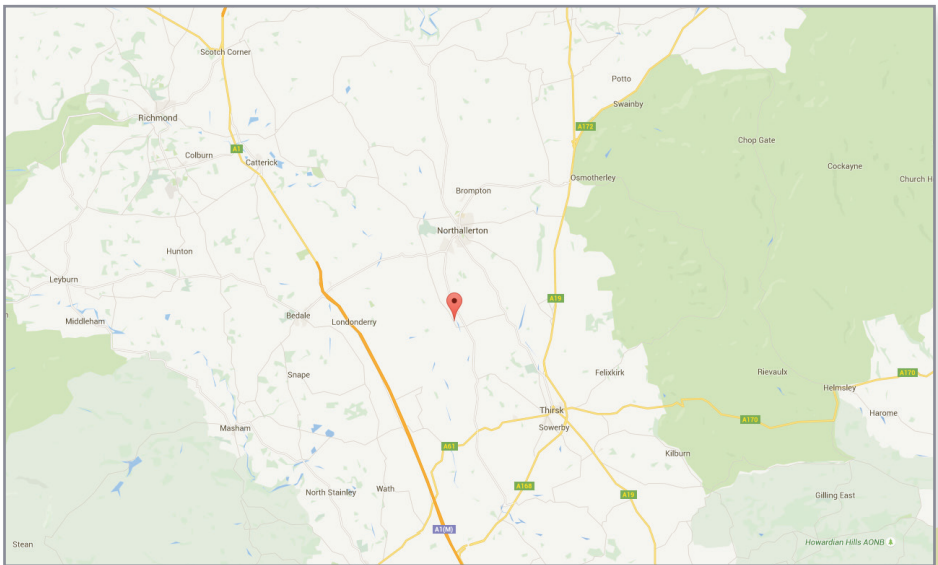




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WHERE TO FIND US



NEXT DAY SERVICE ON ALL IN STOCK PARTS
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