

NRH Engineering Ltd

The Airfield, Seaton Ross, York YO42 4NF Tel: 01759 318775 Fax: 01759 318728



AUTO RESET SUBSOILERS

3, 5 and 7 Leg Auto Reset Subsoilers



NRH AUTO RESET SUBSOILERS

A high quality range of subsoilers designed to eliminate problems caused by today's modern farming techniques. With the ever increasing use of larger equipment NRH low draft subsoilers are the ideal solution. The "V" configuration makes the machine a lot more efficient than a single beam version, the leading tine disturbing the soil for the following tines. The machine is made in the UK from top quality materials and designed for low maintenance and long life.

The hydraulic trip protection eliminates the use of shear bolts saving down time and allowing greater forward speeds. The hydraulic system has a fully adjustable pressure system which allows for the machine to cope with varying ground conditions.

FEATURES

1. Cat 2/3 linkage.
 2. Up to 620mm working depth.
 3. Main frame 300mm x 200mm x 10mm
 4. All wearing parts are made from a specialist material quenched and tempered.
 5. Easily replaced wearing parts.
 6. Hydraulic Auto Reset that can easily be adjusted to suit varying ground conditions.
 7. Coil, 750mm packer roller or depth wheels as options
 8. Optional leg spacing.
 9. Feet have leg wear protection side plates.
 10. Hydraulic depth control as standard.
- Rear tine bar for extra cultivation as optional.

SPECIFICATIONS

NRH AUTO RESET RANGE

MODEL	LEGS	LEG SPACE	TRANSPORT WIDTH	APPROX HP
SS307CAR/PAR	3	750mm	2.6m	120+
SS506CAR/PAR	5	600mm	3.3m	180+
SS507CAR/PAR	5	750mm	3.9m	180+
SS706PAR	7	600mm	3.9m	220+

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CAMBRIDGE ROLLERS

Hydraulic folding 4.3m to 12.3m Cambridge or Cambridge/Breaker, 20" or 24" diameter



FOLDING ROLLERS

A high quality range of hydraulic folding rollers available from 4.3m to 12.3m- 20 and 24 inch diameter rings, plain Cambridge or Cambridge breaker. All models are fully hydraulic, no reversing to unfold or bars to remove. Made in the UK from top quality materials, they are designed for long life with minimum maintenance.

FEATURES

1. 60mm axles with high quality greasable bearings
2. 4 spoke rings for strength and weight
3. Fully hydraulic folding and unfolding
4. Wings supported in cradles for transport, reducing axle and bearing fatigue
5. Floating wings to follow contours of the ground
6. Centre pivoting wings as an optional extra
7. 10 ply tyres 3 section standard range, 14 ply H Duty range
8. Transport widths, 2.4m standard range, 2.5m H Duty 3 section
9. Hydraulic paddle tines optional extra
10. Wheel eradicator tines optional extra
11. Stone Trays optional extra

SPECIFICATIONS

STANDARD RANGE 3 SECTION

Working width m	Ring	Model	Weight 20" KG	Weight 24" KG
4.3	C	CRS-C4	1900	2595
4.3	CB	CRS-CB4	2239	2950
5.3	C	CRS-C5	2598	3000
5.3	CB	CRS-CB5	2954	3340
6.3	C	CRS-C6E	2750	3380
6.3	CB	CRS-CB6E	3380	N/A

HEAVY DUTY 3 SECTION

Working width m	Ring	Model	Weight 20" KG	Weight 24" KG
6.3	C	CRS-C6	2950	3560
6.3	CB	CRS-CB6	3560	4380
7.3	C	CRS-C7	3315	4010
7.3	CB	CRS-CB7	4020	4900
8.3	C	CRS-C8	3780	5000
8.3	CB	CRS-CB8	4580	5640

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FOLDING ROLLERS

A high quality range of hydraulic folding rollers available from 4.3m to 12.3m- 20 and 24 inch diameter rings, plain Cambridge or Cambridge breaker. All models are fully hydraulic, no reversing to unfold or bars to remove and are horizontal in transport. Made in the UK from top quality materials, they are designed for long life with minimum maintenance.

FEATURES

1. 60mm high tensile axles with high quality grease-able triple seal bearings
2. 4 spoke rings for strength and weight
3. Fully hydraulic horizontal folding and unfolding
4. Centre support bearing on all shafts on 12m models
5. Centre pivoting wings to follow contours of the ground
6. Transport width of 3m
7. 18ply supersingle tyres on 8-stud rims
8. Other tyre options available
9. Hydraulic brakes as standard
10. Lights as standard

SPECIFICATIONS

5 SECTION

Working width m	Ring	Model	Weight 20" KG	Weight 24" KG
9.3	C	CRS-C9	4800	6100
9.3	CB	CRS-CB9	6000	7600
10.3	C	CRS-C10	5300	6700
10.3	CB	CRS-CB10	6600	8400
12.3	C	CRS-C12	6300	8000
12.3	CB	CRS-CB12	8660	10160

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CAMBRIDGE ROLLERS AT WORK





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COIL CRUMBLER PACKER

Solid or hollow with or without star cleaners



COIL CRUMBLER PACKER

The main reason for the enormous success of the Coil Crumbler Packer lies in its ability to firm, level and consolidate the seed-bed, helping to retain moisture in the land and improve germination. An evenly firmed seed-bed is created that can be uniformly drilled to give a consistent depth of seed placement. The surface of the packed land remains open and friable, but not too fine to fall victim to water and wind erosion. Whether in heavy or light land conditions the Coil Crumbler Packer is the one for the job

Adding the Star Self-cleaning System means that the Coil Crumbler Packer can work in adverse conditions without blocking. It's a simple but ingenious idea, and it means you can continue to work the land effectively when more conventional equipment gets clogged up and grinds to a halt.

The Coils can be made from 50mm High Tensile Hollow Steel or 40mm Solid Steel depending on the weight needed to work with.

The working width of the Coil can also come in a range of sizes from 1m up to 6m depending on the size of the machine that it is wanted to work behind. And the diameter of the coil can range between 450mm – 580mm.

ADVANTAGES

- In the dry a perfect seedbed is prepared regardless of soil type
- In the wet the Coil Crumbler Packer with Star Self-cleaning System will still function even in the most extreme conditions
- The Coil Crumbler Packer is available for almost all power harrows and cultivators
- The Coil Crumbler Packer is made from high tensile tubular steel providing an excellent high strength/low weight ratio
- Manufactured in square section, hollow or solid

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DRILL-COMBI CULTIVATORS

3m to 4m rigid. Available to fit most makes of drill.



DRILL COMBI CULTIVATORS

The Standard range is ideally suited for use with 'A'- frame mounted and Solo drills which can be accommodated with the use of linkage arms (optional extra).

FEATURES

DRILL COMBI STANDARD

1. Substantial headstock and main frame to withstand weight of solo drills on linkage arms
2. Two rows of straight spring tines mounted on box section not flat bar
3. High tensile hollow coil with star cleaners
4. Close coupled for minimum weight overhang
5. Ability to accept most makes of drills. 3m or 4m rigid 2 rows of tines cultivator to carry Amazone Wedgering Roller and Drill available

SPECIFICATIONS

DRILL COMBI STANDARD

Working width m	Transport width m	Format	Weight KG	Model
3.0	3.0	Rigid	640	FC30
4.0	4.0	Rigid	850	FC40

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FRONT COIL/COMBINATION

Rigid or hydraulic folding 1.5m to 6m



FRONT COIL/COMBINATION

Front mounted coil packers consolidate and firm the soil in front of the tractor allowing uniform drilling depth resulting in even germination across the full width of cultivation. Under certain conditions it is necessary to work the soil in front of the tractor, two or three rows of depth adjustable tines are available or one row of paddle tines, producing the combination. Three or four meter tine frames available for 1.5m coil.

FEATURES

1. Self steering
2. Heavy Duty back frame as standard
3. Quick release A-frame. (As optional on smaller models)
4. Polypropylene wear strip
5. Assistor springs on front row of jackpot tines (combination)
6. Independently depth adjustable tines (combination)
7. Heavy duty bearings and rigid tines or paddle tines instead of spring tines (combination)
8. 18" to 24" coil
9. Star cleaning system
10. Full width tines 1.5m coil option

SPECIFICATIONS

FRONT COIL

Working width m	Weight	Model
1.5	405	P505F
1.8	458	P206F
3	810	P2010F
4	1075	P2013F
4 (folding)	1115	P2013FW
6 (folding)	1572	P2020FW

FRONT COMBINATION

Working width m	Weight	Model
3	930	P2010FH
4	1230	P2013FH
4 (folding)	1270	P2013FHW
4	1860	P203FHDC
6 (folding)	1860	P2020FHW

FRONT COMBINATION 1.5m FULL WIDTH TINES

Working width m	Weight	Model
3	560	P20510FH
4	580	P20513FH
4 (folding)	610	P205135HW

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FRONT MOUNTED CAMBRIDGE ROLLERS



FRONT MOUNTED CAMBRIDGE ROLLERS

The NRH Front Mounted Cambridge Roller consolidates consistently across the width of the tractor. Optional breaker rings help to break the clod and float to keep the press clean. Made in the UK from top quality materials, they are designed for long life with minimum maintenance

FEATURES

1. 4 spoke rings for strength and weight
2. 60mm axles complete with high quality greaseable bearings
3. Self steering system
4. Quick release safety A frame (As optional on smaller models)
5. Polypropylene wear strip
6. Spring tines, paddle tines and heavy duty tines optional
7. Heavy Duty back frame as standard

SPECIFICATIONS

Working width m	Model	Ring	Weight 20" KG	Weight 24" KG
1.5	CRS-C1.5F	Plain	500	596
1.5	CRS-CB1.5F	Breaker	680	791
3	CRS-C3F	Plain	908	1132
3	CRS-CB3F	Breaker	1249	1535
4	CRS-C4F	Plain	1118	1412
4	CRS-CB4F	Breaker	1569	1945

FOLDING

Working width m	Model	Ring	Weight 20" KG	Weight 24" KG
4	CRS-C4FF	Plain	1518	1812
4	CRS-CB4FF	Breaker	1969	2245
6	CRS-C6FF	Plain	1816	2264
6	CRS-CB6FF	Breaker	2935	3057

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FRONT PACKER-ROLLER

Rigid or hydraulic folding 1.5m to 6m



FRONT PACKER ROLLER

An extremely versatile front press suitable for all soil types. Its weight can easily be adjusted by increasing or decreasing the amount of liquid in the barrel. An optimum weight can be achieved to suit different working conditions. The large diameter and aggressive teeth allow the packer to turn on virtually all conditions. Three or four meter tine frames available for 1.5m packer.

FEATURES

1. Toothed packer roller 750mm diameter
2. Water or oiled filled to increase weight
3. Easy to adjust scrapers
4. Self steering
5. Heavy duty 3 point linkage back frame as standard
6. Quick release 'A'-frame optional
7. Polypropylene wear strip
8. Assistor springs on front row of tines
9. Independently depth adjustable tines or paddle tines
10. Heavy-duty bearings

SPECIFICATIONS

FRONT PACKER

Working width m	Weight filled KG	Model
1.5	985	P755PR
3	1970	P7510PR
4	2626	P7513PR
4 (folding)	2666	P7513PRW
6 (folding)	4000	P7520PRW

FRONT PACKER WITH TWO ROWS OF TINES

Working width m	Weight filled KG	Model
1.5	1140	P755PRH
3	2281	P7510PRH
4	3041	P7513PRH
4 (folding)	3081	P7513PRWH
6 (folding)	4622	P7520PRWH

FRONT PACKER 1.5m FULL WIDTH TINES

Working width m	Weight KG	Model
3	1296	P75510PRH
4	1400	P75513PRH
4 (folding)	1450	P75513PRHW

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FRONT PROGRESSIVE



FRONT PROGRESSIVE

The Front Mounted Progressive with one row of cast rings followed by a solid coil has been developed for the farmer who needs packing in loose soil. It also does a credible job in heavy land where the cutting action of the 700mm cast rings is important. Two rows of straight tines, paddle boards and heavy duty tines are available.

FEATURES

- Self steering
- Heavy duty 3 point linkage back frame as standard
- Quick release safety A frame optional on smaller machines
- Star cleaning system
- Polypropylene wear strip
- Heavy duty rings

SPECIFICATIONS

FRONT MOUNTED PROGRESSIVE

Working width m	Model	Weight KG
1.5	P205FP	980
3	P2010FP	1457
4	P2013FP	1756
3 (folding)	P2010FPW	1600
4 (folding)	P2013FPW	1796

COMBINATOR - PROGRESSIVE C/W 2 ROWS TINES, 2 ROWS SPRING TINES OR 1 ROW PADDLE TINES

Working width m	Model	Weight KG
3	P2010FPH	1580
4	P2013FPH	1920
3 (folding)	P2010FPHW	1950
4 (folding)	P2013FPHW	2000

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FRONT RING PRESS

Rigid or hydraulic folding 1.5m to 6m



FRONT RING PRESS

Front mounted ring press to be used when underground packing is required, or splitting of the clod in heavier soil conditions. Under certain conditions it is necessary to work the soil in front of the tractor, two or three rows of depth adjustable tines are available or one row of paddle tines. Three or four meter tine frames available for 1.5m packer.

FEATURES

1. Self steering
2. Heavy duty 3 point linkage back frame as standard
3. Quick release 'A'-frame optional on smaller machines
4. Polypropylene wear strip
5. Assistor springs on front row of tines
6. Independently depth adjustable tines
7. Heavy-duty bearings
8. 30° or 45° rings
9. Heavy duty rigid tines or paddle tines available (option)

SPECIFICATIONS

FRONT RING PRESS

Width m	Weight KG 30° (45°)	Model 30° (45°)
1.5	790 (872)	P735RPA (P745RPA)
3	1227 (1626)	P7310RPA (P7410RPA)
4	1556 (2060)	P7313RPA (P7413RPA)
4 (folding)	1569 (2100)	P7313RPAW (P7413RPAW)
6 (folding)	2350 (3150)	P7320RPAW (P7420RPAW)

FRONT RING PRESS WITH TWO ROWS OF TINES

Width m	Weight KG 30° (45°)	Model 30° (45°)
1.5	890 (972)	P735RPAH (P745RPAH)
3	1327 (1726)	P7310RPAH (P7410RPAH)
4	1856 (2475)	P7313RPAH (P7413RPAH)
4 (folding)	1869 (2515)	P7313RPAHW (P7413RPAHW)
6 (folding)	3124 (3770)	P7320RPAHW (P7420RPAHW)

FRONT RING PRESS 1.5m FULL WIDTH TINES

Working Width m	Weight KG	Model
3	2281	P74510RPH
4	3041	P74513RPH
4 (folding)	3081	P74513RPHW

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FURROW PRESS

700mm 30° OR 45°



FURROW PRESS

PERFECT PARTNER FOR PLOUGHS

THE KEY BENEFITS OF PACKING WITH THE PLOUGH

SAVE TIME, SAVE COSTS AND INCREASE YIELDS.

It is easy to pack the land as it is being ploughed because of the moisture content in the soil. Light and medium land can be drilled following the plough. Stronger land can effectively be worked down sealing the moisture, preventing baking and enabling the soil to be subsequently worked with the minimum of passes.

Tractor requirements are minimised during a period of heavy usage. Reduced passes resulting in reduced compaction and increased yields. The surface of the packed land remains open and friable but not too fine, resisting blowing and capping. An evenly consolidated seed bed without the problems of wheeling's is prepared resulting in the more uniform germination, ripening and improvement in yields.

Furrow presses are used when underground packing (below 10cm) or the splitting of the furrow in heavier conditions is required. The seedbed is not packed. Available for general use 700mm diameter rings with 30° and 45° profiles for heavy and light land. Available in a variety of widths to suit your plough.

FEATURES

- Fully adjustable pick-up arms
- Cleaning chains
- Closer spacing for better packing
- Extra heavy duty rings
- Three point linkage
- Forklift attachment as standard

SPECIFICATIONS

MODEL FP730 - 2 ROWS 30° RINGS

MODEL FP740 - 2 ROWS 45° RINGS

Working width m	No. of Rings	Weight KGs	Model	Working width m	No. of Rings	Weight KGs	Model
1.25	15	846	FP733	1.25	15	1116	FP743
1.43	17	948	FP734	1.43	17	1250	FP744
1.60	19	1035	FP735	1.60	19	1364	FP745
1.78	21	1106	FP736	1.78	21	1455	FP746
1.98	23	1196	FP737	1.98	23	1573	FP747
2.14	25	1287	FP738	2.14	25	1692	FP748
2.31	27	1389	FP739	2.31	27	1826	FP749
2.48	29	1479	FP7310	2.48	29	1943	FP7410
2.65	31	1570	FP7311	2.65	31	2062	FP7411
2.82	33	1660	FP7312	2.82	33	2180	FP7412
2.99	35	1751	FP7313	2.99	35	2299	FP7413

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PLOUGH PACKER

40mm Solid Steel Coils



NRH PLOUGH PACKER

NRH Plough Packers made from two opposite wound coils, level and pack the seedbed (0-10cm) and are ideal where in medium or light land it is intended to drill without further cultivation.

Coil Plough Packers also do a very credible job in working down heavy land and sealing in the moisture.

Coils are made from 40mm solid steel complete with star cleaners and are suitable for medium to heavy land.

Available in a variety of widths to suit your plough.

FEATURES

- Fully adjustable pick-up arms
- Standard weight carrier
- Star cleaning system
- Fork Lift Attachment
- 3 Point Linkage

SPECIFICATIONS

P20 (40mm) 560mm DIAMETER

Working width m	Weight KG	Model
1.22	680	P204RD
1.52	765	P205RD
1.83	850	P206RD
2.03	1030	P207RD
2.28	1121	P208RD
2.54	1210	P209RD
3.05	1314	P210RD

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SHOULDERED RING PRESS



SHOULDER RING PRESS

Another versatile front press that uses a heavier cast ring that combines the cutting action of a 30° ring, the pressing action of a 45° ring and the surface consolidation of a roller ring.

FEATURES

- Self Steering
- Heavy Duty 3 point linkage back frame as standard
- Quick release 'A' Frame optional on smaller presses
- Independently depth adjustable tines
- Polypropylene wear strip
- Heavy duty bearings
- Jackpot tines, heavy duty rigid tines or paddle board tines available as options
- 2 rows of manual adjust spring tines (as optional)
- 2 rows of manual adjust Heavy Duty rigid tines (as optional)
- 1 row of manual or hydraulic paddle board tines (as optional)
- For 1.5m presses, tine frames are available in 1.5m, 3m and 4m options

SPECIFICATIONS

RING PRESS

Working width m	Model	Weight KG
1.5	P745RPAS	872
3	P7410RPAS	1626
3 (folding)	P7410RPAWS	1710
4	P2013FHWS	2060
4 (folding)	P7413RPAWS	2100
6	P7420RPAWS	3150

RING PRESS WITH TINES

Working width m	Model	Weight KG
3	P7410RPAHS	1766
3 (folding)	P7410RPAHWS	2050
4	P7413RPAHS	2475
4 (folding)	P7413RPAHWS	2515
6 (folding)	P7420RPAHWS	3770

1.5m WITH FULL WIDTH TINES

Working width m	Model	Weight KG
3	P74510RPHS	1020
4	P74513RPHS	1287
4 (folding)	P74513RPHWS	1337

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SUBSOILERS

3, 5 and 7 leg subsoilers



NRH SUBSOILERS

A high quality range of subsoilers designed to eliminate problems caused by today's modern farming techniques. With the ever increasing use of larger equipment NRH low draft subsoilers are the ideal solution. The 'V' configuration makes the machine a lot more efficient than a single beam version, the leading tine disturbing the soil for the following tines. The machine is made in the UK from the top quality materials and designed for low maintenance and long life.

FEATURES

1. Cat 2/3 linkage
2. Up to 620mm working depth
3. Main frame 300mm x 200mm x 10mm
4. All wearing parts are made from a specialist material quenched and tempered
5. Easily replaced wearing parts
6. Shear bolt protection
7. Coil, 750mm packer roller or giant flat bar roller (optional)
8. Optional leg spacing
9. Feet have leg wear protection side plates
10. Hydraulic depth control as standard
11. Rear tine bar for extra cultivation as optional

SPECIFICATIONS

NRH STANDARD RANGE

Model	Legs	Leg Space	Transport Width m	Approx HP
NRH-707	7	600mm	3.9	240
NRH-507	5	750mm	3.8	180
NRH-506	5	600mm	3.3	180
NRH-307	3	750mm	2.6	110

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TRAILED "ONE PASS" RING PRESS

Rigid 3m One Pass



TRAILED “ONE PASS” PRESS

A high quality, heavy duty trailed press designed to withstand the rigours of heavy cultivations. 2 rows of individually adjustable heavy duty rigid leading tines, 1 row of hydraulic paddle tines to level and till and 2 rows of 700mm 45° rings or shouldered rings to consolidate.

FEATURES

DRILL COMBI STANDARD

- 3m working width
- Hydraulic transport kit
- 2 rows rigid leading tines
- 1 row of hydraulic paddles
- 2 interlocking rows of 45° rings or shouldered rings

SPECIFICATIONS

Description	Model	Weight
With 45° cast rings	1PCR	3400 KG
With shouldered rings	2PCR	3620 KG

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TRAMLIN BUSTER



NRH TRAMLINE BUSTERS

A high quality range of 2 leg tramline busters designed to eliminate problems caused by today's modern farming techniques. With the ever increasing use of larger equipment NRH tramline busters are the ideal solution. The machine is made in the UK from top quality materials and designed for low maintenance and long life.

FEATURES

- Works with 100HP-350HP tractors
- Fits CAT2 or 3 linkage
- Legs made from special high grade XAR500 carbon steel
- Shear Bolt protection
- Quick fit 4" or 6" subsoiler feet
- Feet have leg wear protection side plates
- Depth wheels fitted as standard
- 610mm/24" Packer roller of 580mm/23" solid coil available instead of depth wheels
- Packer roller/coil hydraulic adjust as standard
- Maximum working depth 610mm/24"
- Maximum leg centres 2300mm/90"
- Main frame made from 300x200x12 box section
- 2.6m transport width

