



2026 CATALOGUE

**SEEDING KITS
HARROWS
PRESSWHEELS
MAINTENANCE TIPS
ASSEMBLY INSTRUCTIONS**

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Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers, calculations and prices.

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Looking for a specific part number? Use this!

NT25 DUAL-SHOOT DEEP-BANDING SEEDING KITS & PARTS

SUITS: DOUBLE-BOLT C-SHANK AND EDGE-ON TYNES WITH 1/2" BOLT HOLES (EXAMPLES LISTED ON PAGE 8)

*Hollow 16mm knife point for dry fertiliser delivery

*Height-adjustable point

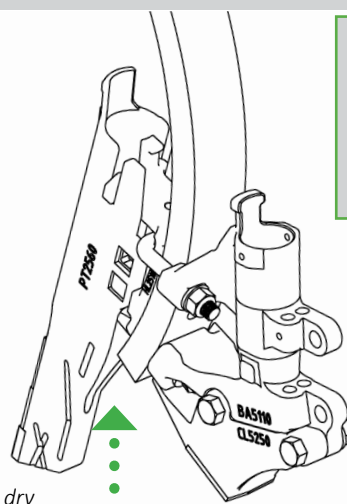
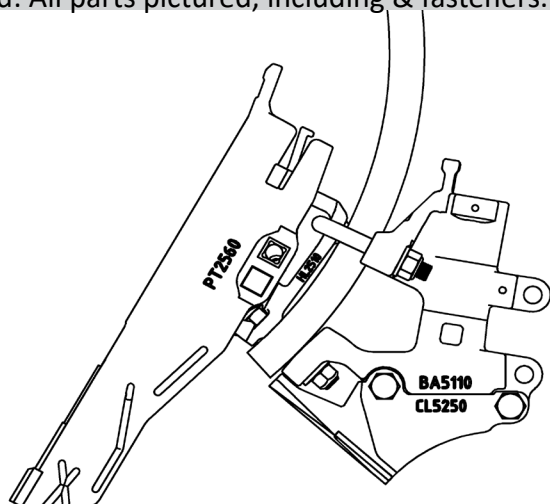
*Single-row self-cleaning "bow" closer

* Option for liquid in knife point slot and/or with seed

NT25 SEEDING KIT - SINGLE ROW

\$300 +GST

Included: All parts pictured, including & fasteners.

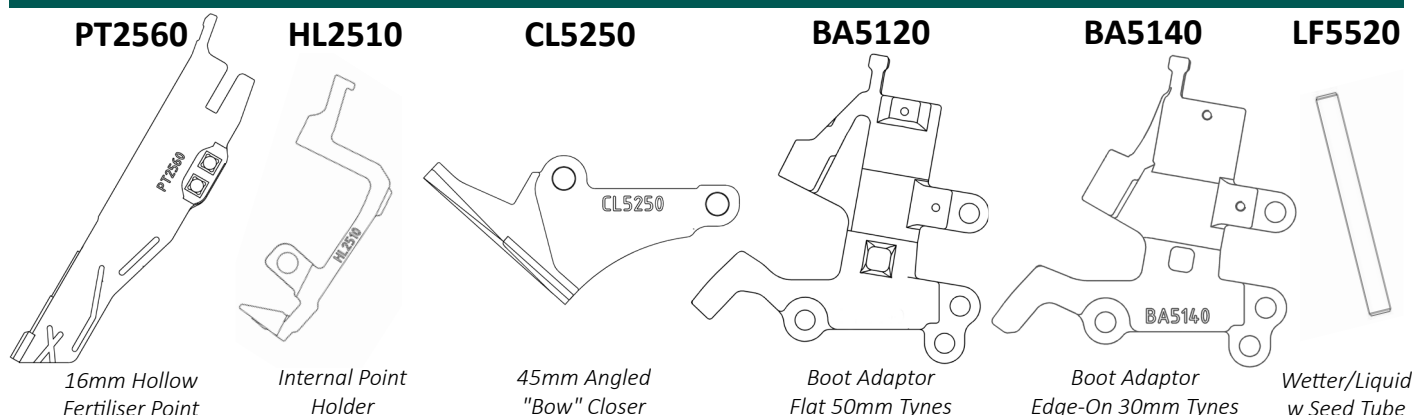


**Tapered
Seed Hose Pipe**
38mm ID at top
down to 32mm
ID at bottom

Opening for dry
fertiliser delivery

		Exc	Inc
PMB56511125	NT25 Seeding Kit for 50mm C-Shank Tynes w 1/2" x 1 3/4" bolt spacings	\$ 300.00	\$ 330.00
PMB56511325	NT25 Seeding Kit for 50mm C-Shank Tynes w 1/2" x 2 1/4" bolt spacings	\$ 300.00	\$ 330.00
PMB56511425	NT25 Seeding Kit for 30mm Edge-On Tynes (incl. rear spacer for angle adj.)	\$ 300.00	\$ 330.00

NT25 REPLACEMENT PARTS & FASTENERS



			Exc	Inc
PT2560	*	NT25 16mm Hollow Dry Fertiliser Point	\$ 125.00	\$ 137.50
HL2510	**	NT25 Internal Point Holder	\$ 25.00	\$ 27.50
CL5250	***	NT25 Single-Row Angled Self-Cleaning "Bow" Closer	\$ 75.00	\$ 82.50
BA5120	**	Multi-Boot/Closer Adaptor C-Shank for standard/flat 50mm c-shank tynes	\$ 70.00	\$ 77.00
BA5140	**	Multi-Boot/Closer Adaptor Edge-On for edge-on 30mm tynes	\$ 8.00	\$ 8.80
LF5520	****	Wetter/Liquid Tube; stainless steel tube for delivering liquid with seed	\$ 6.00	\$ 6.60
*	Requires 1 x PIR41	Pin 12mm x 41mm Square & R Clip	\$ 2.50ea	\$ 2.75ea
**	Requires 1 x UBN5611	M12 80 x 50mm U-bolt w/ Nuts & Washers	\$ 5.00ea	\$ 5.50ea
Also requires 1x bolt to go through the tyne. BNW12234 for tynes w 1/2" x 1 3/4" bolt spacings or BNW123 for tynes w 1/2" x 2 1/4" bolt spacings. Call Agmaster if unsure.			\$ 3.00ea	\$ 3.30ea
***	Requires 2 X BNW122	1/2" X 2" Bolt, Nut & Washer	\$ 3.00ea	\$ 3.30ea
****	Requires 1x BO6M10S	M6 X 10mm Bolt	\$ 0.50ea	\$ 0.55ea

Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers, calculations and prices.

NT19 ADJUSTA-POINT & MULTI-BOOT SEEDING KITS

SUITS: DOUBLE-BOLT C-SHANK AND EDGE-ON TYNES WITH 1/2" BOLT HOLES (EXAMPLES LISTED ON PAGE 8)

- *Modular system
- *Four Adjusta-Point options (pictured on [page 7](#))
- *Single-Row or Paired-Row
- * Single or Dual Shoot
- * Option for liquid in knife point slot and/or with seed
- * Trashguard included

NT19 MULTIBOOT SEEDING KIT - SINGLE ROW

\$300 - \$338 +GST

Included: All parts pictured, including trashguard & fasteners.

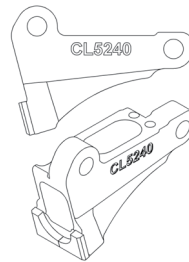
SEE PAGE 8
FOR PART #'S
AND PRICING

Tapered Hose Pipe

38mm ID at top
down to 32mm
ID at bottom

CLOSING TOOL OPTION

CL5240



Single-Row
45mm Closer

Dual Shoot Option

If you are looking for
a single-row
dual-shoot option,
please contact
Agmaster to discuss

NT19 MULTIBOOT SEEDING KIT - PAIRED ROW

\$410 - \$513 +GST

Included: All parts pictured, including trashguard & fasteners.

SEE PAGE 8
FOR PART #'S
AND PRICING

Tapered Hose Pipe

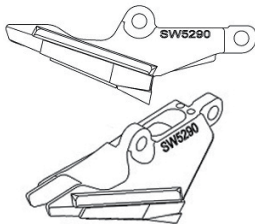
38mm ID at top
down to 32mm
ID at bottom

SINGLE SHOOT

DUAL SHOOT

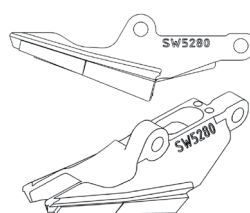
PAIRED-ROW SEEKER WING OPTIONS

SW5290



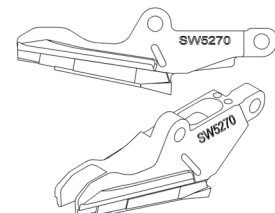
Paired-Row
95mm Seeker Wing
~75mm rows

SW5280



Paired-Row
85mm Seeker Wing
~65mm rows

SW5270



Paired-Row
75mm Seeker Wing
~55mm rows

SEE PAGE 6 FOR POINT OPTIONS TO SUIT THESE SEEDING KITS

ADJUSTA-POINT OPTIONS FOR NT19 MULTI BOOT KITS

* Four 14mm Adjusta-Point options

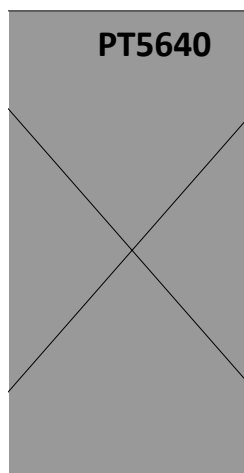
* Three height settings

* Lo-Thro or Straight profiles

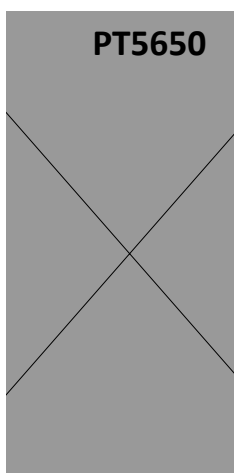
* Two different lengths

* Liquid or Standard available in both lengths/profiles

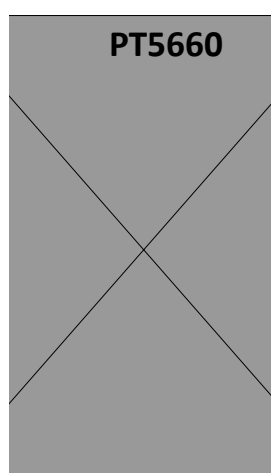
The kits pictured on [page 6](#) have the PT5640 point.



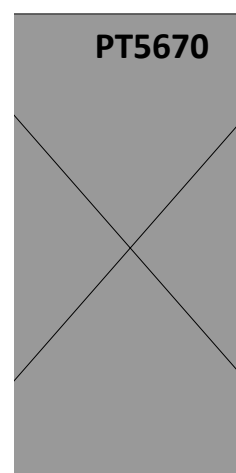
*Adjusta-Point
14mm Lo-Thro
Standard*



*Adjusta-Point
14mm Lo-Thro
Liquid*



*Adjusta-Point
14mm Straight
Standard*



*Adjusta-Point
14mm Straight
Liquid*

MULTI-BOOT ASSEMBLIES (NO POINT)

SUITS: DOUBLE-BOLT C-SHANK AND EDGE-ON TYNES WITH 1/2" BOLT HOLES (EXAMPLES LISTED ON PAGE 8)

* Behind-tyne assembly

* Compatible with NT19 and NT11 Point & Holder Systems

* Modular system

* Single or Dual Shoot

* Single-Row or Paired-Row

* Provision for liquid in knife point slot and/or with seed

MULTIBOOT ONLY ASSEMBLIES

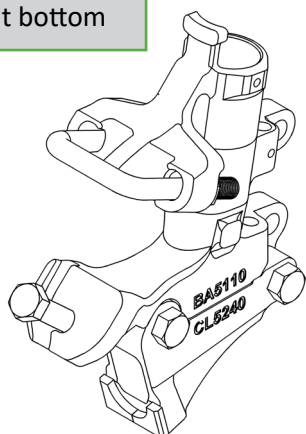
Included: All parts pictured, including fasteners.

\$130 - \$305 +GST

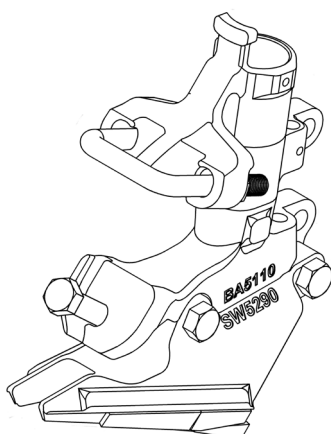
**SEE PAGE 8
FOR PART #'S
AND PRICING**

Tapered Hose Pipe

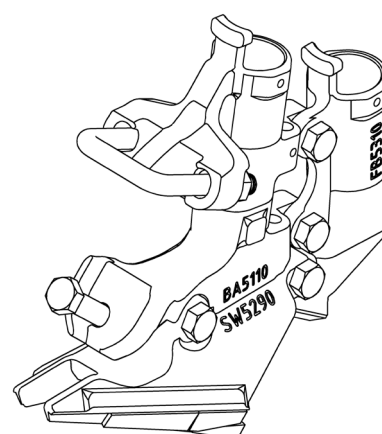
38mm ID at top
down to 32mm
ID at bottom



*Single Row
Single Shoot*



*Paired-Row
Single Shoot*



*Paired-Row
Dual Shoot*

SEE PAGE 8 FOR NT19 MULTIBOOT SPARE PARTS

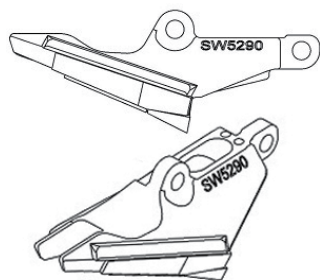
NT19 ADJUSTA-POINT & MULTIBOOT PRICES & PART NUMBERS MATRIX

INSTRUCTIONS:				TYNE CLASS 1:		TYNE CLASS 2:		TYNE CLASS 3:			
1. Identify "Tyne Class" relevant to your machine/tyne				Standard C-Shank tynes with 1/2" bolt holes & 1 3/4" spacings		Standard C-Shank tynes with 1/2" bolt holes & 2 1/4" spacings		Suits Edge-On tynes (wide foot with narrow shank)			
2. Select point from left column				Examples: Flexicoil 350lb (holes reamed to 1/2"), Morris 400lb, Bourgault, Ezee-On, Horwood Bagshaw C-Shank, Shearer Universal*		Examples: Morris 650lb/Hydraulic, John Deere 1810-1830, Flexicoil 550lb/650lb/Hydraulic		Examples: Horwood Bagshaw ScarfBar, Gason Scarf/Hydra Till, Simplicity			
3. Select boot/closer from top row											
4. Find part number & price relevant to your tyne class where your point & boot choice intersect											
				PAIRED ROW/SINGLE SHOOT			PAIRED ROW/DUAL SHOOT			POINT & HOLDER ONLY KIT	
				SINGLE ROW							

NT19 MULTI-BOOT REPLACEMENT PARTS

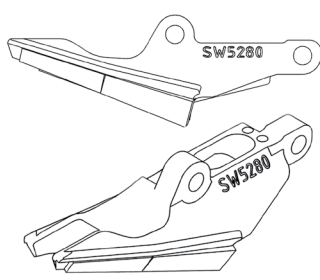
Replacement Closing Tools

SW5290



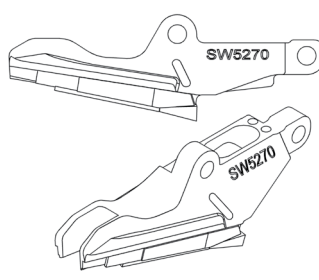
Paired-Row
95mm Seeker Wing
~75mm rows

SW5280



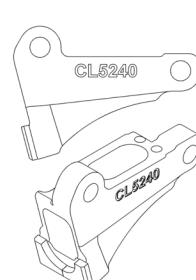
Paired-Row
85mm Seeker Wing
~65mm rows

SW5270



Paired-Row
75mm Seeker Wing
~55mm rows

CL5240

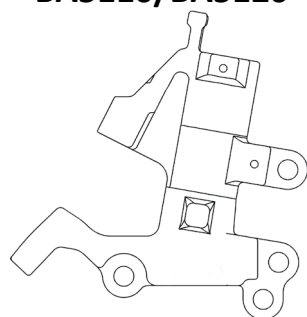


Single-Row
45mm Closer

			Exc	Inc
SW5290	*	95mm Seeker Wing for Multi Boot; paired rows 75mm apart	\$175.00	\$192.50
SW5280	*	85mm Seeker Wing for Multi Boot; paired rows 65mm apart	\$170.00	\$177.00
SW5270	*	75mm Seeker Wing for Multi Boot; paired rows 55mm apart	\$165.00	\$181.50
CL5240	*	45mm Closer for Multi Boot; single row	\$ 55.00	\$ 60.50

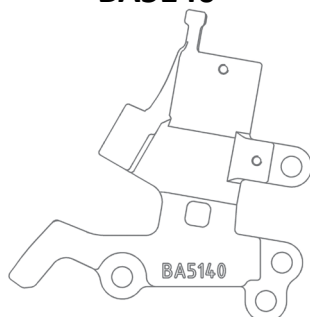
Boot Adaptors & Other Parts

BA5110/BA5120



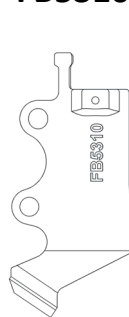
Boot Adaptor
Flat 50mm Tynes

BA5140



Boot Adaptor
Edge-On 30mm Tynes

FB5310



Dual Shoot
Dry Fertiliser Boot

LF5420 LF5540



Liquid Fertiliser
Tube 2018-2022

LF5530



Liquid Fertiliser
Tube 2023

LF5520

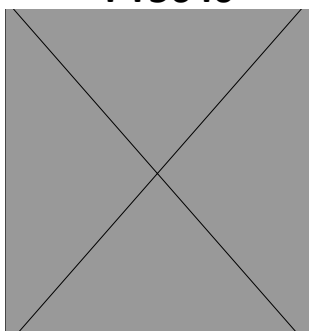


Wetting Agent/
Liquid w Seed Tube

			Exc	Inc
BA5110	**	Boot Adaptor C-Shank; mount for above closing tool options and fertiliser boot on standard curved 50mm c-shank tynes	\$ 70.00	\$ 77.00
BA5120	**	Boot Adaptor C-Shank 2023; mount for above closing tool options and fertiliser boot on standard curved 50mm c-shank tynes with improved behind-point liquid delivery	\$ 70.00	\$ 77.00
BA5140	**	Boot Adaptor Edge-On; mount for above closing tool options and fertiliser boot on 30mm edge-on tynes.	\$ 70.00	\$ 77.00
FB5310	*	Optional Dry Fertiliser Boot; drops fertiliser in between paired row for dual-shoot when used with Paired-Row Wings	\$ 55.00	\$ 60.50
LF5420		Liquid Fertiliser Tube; stainless steel tube for directing liquid fertiliser to back of point. <u>Suits BA5110 boot adaptor.</u>	\$ 10.00	\$ 11.00
LF5530		Liquid Fertiliser Tube 2023; straight stainless steel tube for directing liquid fertiliser to back of point. <u>Suits BA5120 boot adaptor.</u>	\$ 8.00	\$ 8.80
LF5540		Liquid Fertiliser Tube; stainless steel tube for directing liquid fertiliser to back of point. <u>Suits BA5140 boot adaptor.</u>	\$ 9.00	\$ 9.90
LF5520	***	Liquid Fertiliser Tube; stainless steel tube for applying liquid with seed <i>1 required per seed row</i>	\$ 6.00ea	\$ 6.60ea
*		Requires 2 x BNW122		
**		Requires 1 x UBN5611		
***		Requires 1x BO6M10S		
		1/2" X 2" Bolt, Nut & Washer	\$ 3.00ea	\$ 3.30ea
		M12 80x 50mm U-bolt w/ Nuts & Washers	\$ 5.00ea	\$ 5.50ea
		M6 X 10 Bolt (1 Required per tube)	\$ 0.50ea	\$ 0.55ea

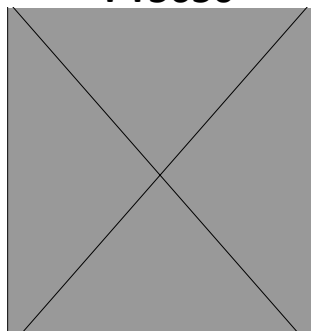
Points (Cast Mild Steel)

PT5640



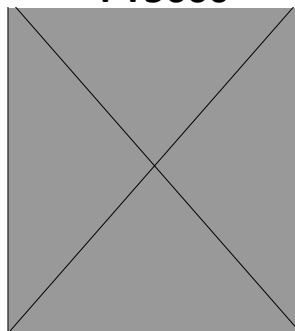
Adjusta-Point
14mm Lo-Thro
Standard

PT5650



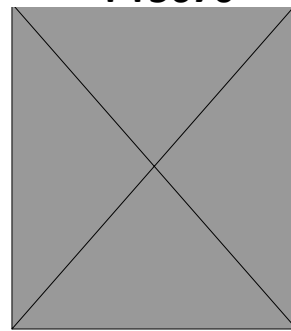
Adjusta-Point
14mm Lo-Thro
Liquid

PT5660



Adjusta-Point
14mm Straight
Standard

PT5670

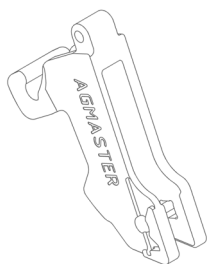


Adjusta-Point
14mm Straight
Liquid

		Exc	Inc
PT5640	14mm Adjusta-Point Lo-Thro Standard	\$115.00	\$126.50
PT5650	14mm Adjusta-Point Lo-Thro Liquid	\$145.00	\$159.50
PT5660	14mm Adjusta-Point Straight Standard	\$115.00	\$126.50
PT5670	14mm Adjusta-Point Straight Liquid	\$145.00	\$159.50

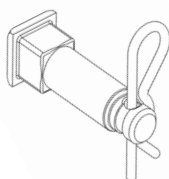
Holdes & Fasteners

HL5610



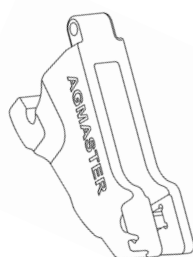
Adjusta-Point
Holder 2021-Current
Uses pin PIR41/PIS41

PIR41



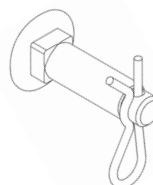
12mm Square Head
Pin & R Clip for
Adjusta-Point
For holder HL5610

HL5600



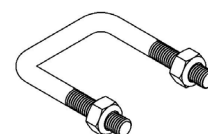
Adjusta-Point
Holder 2018-2020
Uses Pin PIR45/PIS45

PIR45



12mm Cuphead Pin
& R Clip for
Adjusta-Point
For holder HL5600

UBN56XX



U-Bolt to secure
point holder
& boot adapter

		Exc	Inc
HL5610	Adjusta-Point Holder 2021- current	\$25.00	\$27.50
PIR41	Pin 12mm x 41mm Square & R Clip for HL5610	\$ 2.50	\$ 2.75
PIS41	Pin 12mm x 41mm Square & Split Pin for HL5610	\$ 2.00	\$ 2.20
HL5600	Adjusta-Point Holder 2018-2020	\$25.00	\$27.50
PIR45	Pin 12mm x 45mm Cup Head & R Clip for HL5600	\$ 2.50	\$ 2.75
PIS45	Pin 12mm x 45mm Cup Head & Split Pin for HL5600	\$ 2.00	\$ 2.20
PI12A41	Pin 12mm x 41mm Square for HL5610	\$ 1.90	\$ 2.09
PI12A45	Pin 12mm x 45mm Cup Head for HL5600	\$ 1.90	\$ 2.09
PI432R	R-Clip 2.5 x 43mm	\$ 0.70	\$ 0.77
PI325S	Split Pin 3 x 25mm	\$ 0.20	\$ 0.22
UBN5611	M12 U-Bolt 80x52 w/ Nuts & Washers - for Adjusta-Point to Multi-Boot	\$ 5.00	\$ 5.50
UBN5612*	M12 U-Bolt 90x52 w/ Nuts & Washers - for Adjusta-Point to NT11 Seeker	\$ 5.00	\$ 5.50
UBN5613	M12 U-Bolt <u>Bent</u> 80x52 w/ Nuts & Washers - for Adjusta-Point to NT11 Rigid Boot	\$ 5.00	\$ 5.50
	* Requires 1x UB5620 - Backing Plate for NT11 Seeker Boot	\$ 7.00	\$ 7.70

NT19 ADJUSTA-POINT & RIGID BOOT SEEDING KITS

SUITS: DOUBLE-BOLT C-SHANK AND EDGE-ON TYNES WITH 1/2" BOLT HOLES (EXAMPLES LISTED ON PAGE 12)

- * Progression of our popular NT11 Point & Rigid Boot Kits
- * Multiple height-adjustable seeding boots
- * Four Adjusta-Point options
- * Single or Dual Shoot
- * Easy access pin and bolts
- * Option for liquid in knife point slot and/or with seed (select boots only)
- * Trashguard included

NT19 RIGID BOOT

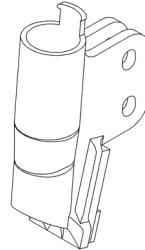
Included: All parts pictured, including trashguard & fasteners.

\$300 - \$445 +GST

SEE PAGE 12
FOR PART #'S
AND PRICING

BOOT OPTIONS

BT2540/BT2550

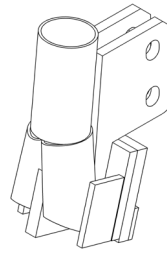


Standard Single Shoot Boot
40mm or 50mm Closer

Wetter with Seed Option

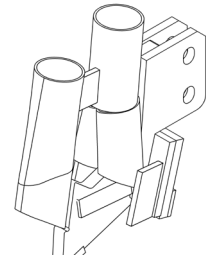
Provision for liquid/wetter with the seed now comes standard on Single-Shoot Boots BT2540 & BT2550

BT2370



"Y" Tube Single Shoot Boot
65mm Closer

BT2390



Dual Shoot Boot
65mm Closer

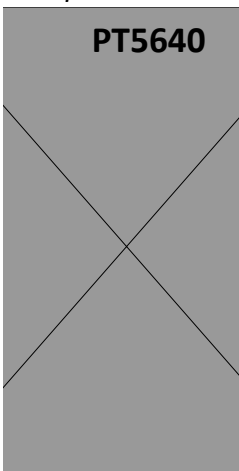
Hose Pipe: All boots are 38mm ID at top. Cast boots (BT2540/ BT2550) taper down to 32mm ID to suit narrower hose sizes

ADJUSTA-POINT OPTIONS FOR NT19 RIGID BOOT KITS

- * Four 14mm Adjusta-Point options
- * Three height settings
- * Lo-Thro or Straight profiles
- * Two different lengths
- * Liquid or Standard available in both lengths/profiles

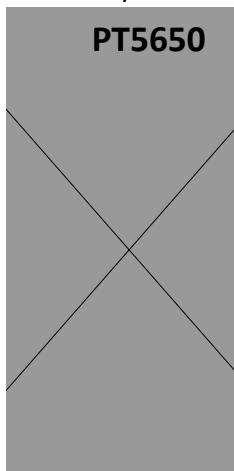
The kit pictured above has the PT5640 point.

PT5640



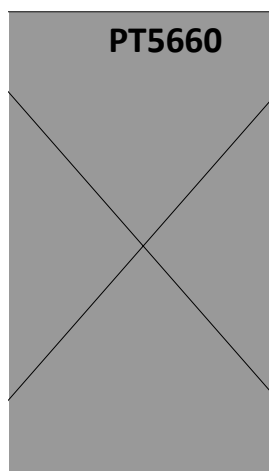
Adjusta-Point
14mm Lo-Thro
Standard

PT5650



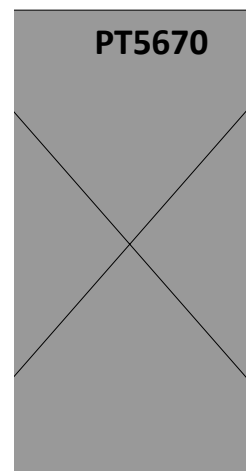
Adjusta-Point
14mm Lo-Thro
Liquid

PT5660



Adjusta-Point
14mm Straight
Standard

PT5670



Adjusta-Point
14mm Straight
Liquid

LIQUID POINT KITS: Kits with liquid points do not include parts for directing liquid to back of point.

See page 15 for NT19 Liquid Kits

Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers, calculations and prices.

www.agmaster.com.au

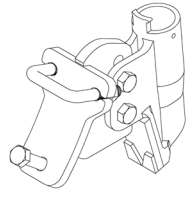
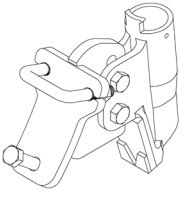
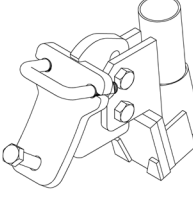
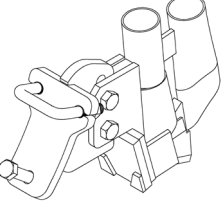
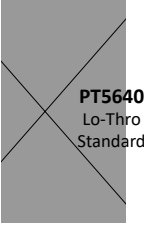
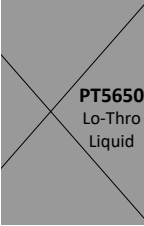
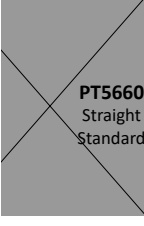
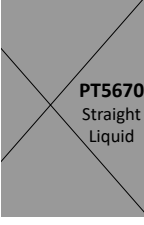
NT19 ADJUSTA POINT & RIGID BOOT SEEDING KITS MATRIX

INSTRUCTIONS:

1. Identify "Tyne Class" relevant to your machine/tyne
2. Select Point from left column

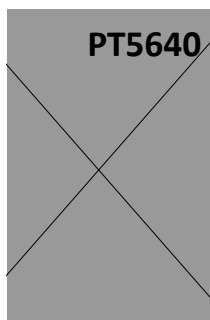
3. Select boot/closer from top row

4. Find part number & price relevant to your tyne class where your point & boot choice intersect

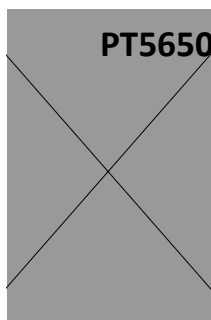
C-SHANK TYNE CLASS 1:		Standard C-Shank tynes with 1/2" bolt holes & 1 3/4" spacings Examples: Morris 400lb, Flexicoil 350lb (holes reamed to 1/2"), Bourgault, Ezee-On, Horwood Bagshaw C-Shank					
C-SHANK TYNE CLASS 2:		Standard C-Shank tynes with 1/2" bolt holes & 2 1/4" spacings Examples: Morris 650lb/Hydraulic, John Deere 1810-1830, Flexicoil 550lb/650lb/Hydraulic					
EDGE-ON TYNE CLASS 3:		Edge-On tynes (wide foot with narrow shank) with 1/2" bolt holes Examples: Horwood Bagshaw ScariBar, Gason Scari/Hydra Till & Shearer Universal					
BOOTS Rigid Boot Options  POINTS NT19 14mm Adjusta-Point		BT2540 40mm Closer 	BT2550 50mm Closer 	BT2370 'Y' 65mm Closer 	BT2390 65mm Closer Dual Shoot 	POINT & HOLDER KIT NO BOOT NT19 Point & Holder Kits include pins but no bolts	
 PT5640 Lo-Thro Standard	C-SHANK #1	PHB64618154	PHB64618155	PHB64618137	PHB64618139	PTH6461	
	C-SHANK #2	PHB64618354	PHB64618355	PHB64618337	PHB64618339	PTH6461	\$140 +GST
	EDGE-ON #3	PHB64618454	PHB64618455	PHB64618437	PHB64618439	PTH6461	
 PT5650 Lo-Thro Liquid	C-SHANK #1	PHB65618154	PHB65618155	PHB65618137	PHB65618139	PTH6561	
	C-SHANK #2	PHB65618354	PHB65618355	PHB65618337	PHB65618339	PTH6561	\$170 +GST
	EDGE-ON #3	PHB65618454	PHB65618455	PHB65618437	PHB65618439	PTH6561	
 PT5660 Straight Standard	C-SHANK #1	PHB66618154	PHB66618155	PHB66618137	PHB66618139	PTH6661	
	C-SHANK #2	PHB66618354	PHB66618355	PHB66618337	PHB66618339	PTH6661	\$140 +GST
	EDGE-ON #3	PHB66618454	PHB66618455	PHB66618437	PHB66618439	PTH6661	
 PT5670 Straight Liquid	C-SHANK #1	PHB67618154	PHB67618155	PHB67618137	PHB67618139	PTH6761	
	C-SHANK #2	PHB67618354	PHB67618355	PHB67618337	PHB67618339	PTH6761	\$170 +GST
	EDGE-ON #3	PHB67618454	PHB67618455	PHB67618437	PHB67618439	PTH6761	
NO POINT NT19 Boot & Bracket kits will only fit with NT19 Adjusta-Points	C-SHANK #1	BRB8154	BRB8155	BRB8137	BRB8139		
	C-SHANK #2	BRB8354	BRB8355	BRB8337	BRB8339		\$245 +GST
	EDGE-ON #3	BRB8454	BRB8455	BRB8437	BRB8439		

NT19 RIGID BOOT REPLACEMENT PARTS

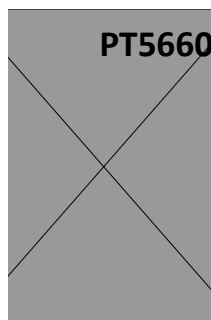
Points – Cast Mild Steel



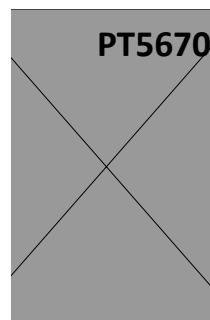
Adjusta-Point
14mm Lo-Thro
Standard



Adjusta-Point
14mm Lo-Thro
Liquid



Adjusta-Point
14mm Straight
Standard

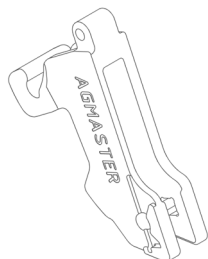


Adjusta-Point
14mm Straight
Liquid

		Exc	Inc
PT5640	14mm Adjusta-Point Lo-Thro Standard	\$115.00	\$126.50
PT5650	14mm Adjusta-Point Lo-Thro Liquid	\$145.00	\$159.50
PT5660	14mm Adjusta-Point Straight Standard	\$115.00	\$126.50
PT5670	14mm Adjusta-Point Straight Liquid	\$145.00	\$159.50

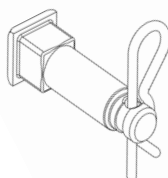
Holders & Fasteners

HL5610



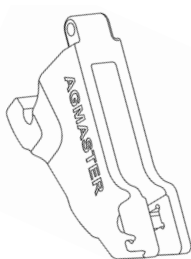
Adjusta-Point
Holder 2021-Current
Uses pin PIR41/PIS41

PIR41



12mm Square Head
Pin & R Clip for
Adjusta-Point
For holder HL5610

HL5600



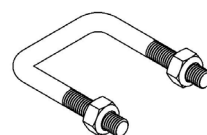
Adjusta-Point
Holder 2018-2020
Uses Pin PIR45/PIS45

PIR45



12mm Cuphead Pin
& R Clip for
Adjusta-Point
For holder HL5600

UBNXXXX

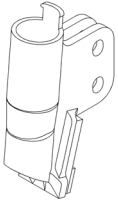


U-Bolt to secure
point holder
& boot adapter

		Exc	Inc
HL5610	Adjusta-Point Holder 2021- current	\$25.00	\$27.50
PIR41	Pin 12mm x 41mm Square & R Clip for HL5610	\$ 2.50	\$ 2.75
PIS41	Pin 12mm x 41mm Square & Split Pin for HL5610	\$ 2.00	\$ 2.20
HL5600	Adjusta-Point Holder 2018-2020	\$25.00	\$27.50
PIR45	Pin 12mm x 45mm Cup Head & R Clip for HL5600	\$ 2.50	\$ 2.75
PIS45	Pin 12mm x 45mm Cup Head & Split Pin for HL5600	\$ 2.00	\$ 2.20
PI12A41	Pin 12mm x 41mm Square for HL5610	\$ 1.90	\$ 2.09
PI12A45	Pin 12mm x 45mm Cup Head for HL5600	\$ 1.90	\$ 2.09
PI432R	R-Clip 2.5 x 43mm	\$ 0.70	\$ 0.77
PI325S	Split Pin 3 x 25mm	\$ 0.20	\$ 0.22
UBN2001	M12 U-Bolt 65x52 w/ Nuts & Washers - for Adjusta-Point to Rigid Boot For Class #1 tynes listed in Matrix Pg12	\$ 5.00	\$ 5.50
UBN5611	M12 U-Bolt 80x52 w/ Nuts & Washers - for Adjusta-Point to Rigid Boot For Class #2 or #3 tynes listed in Matrix Pg12	\$ 5.00	\$ 5.50
UBN5612*	M12 U-Bolt 90x52 w/ Nuts & Washers - for Adjusta-Point to NT11 Seeker	\$ 5.00	\$ 5.50
UBN5613	M12 U-Bolt <u>Bent</u> 80x52 w/ Nuts & Washers - for Adjusta-Point to NT11 Rigid Boot	\$ 5.00	\$ 5.50
	* Requires 1x UB5620 - Backing Plate for NT11 Seeker Boot	\$ 7.00	\$ 7.70

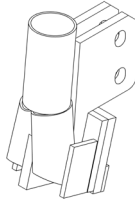
Boots & Brackets

BT2540 BT2550



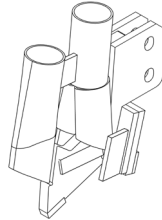
Standard Single
Shoot Boot
40 or 50mm Closer

BT2370



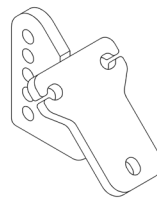
"Y" Tube
Single Shoot Boot
65mm Closer

BT2390



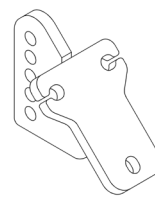
Dual Shoot Boot
65mm Closer

BR5810 BR5820



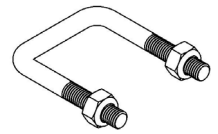
NT19 C-Shank
Bracket for
Rigid Boots

BR5840



NT19 Edge-On
Bracket for
Rigid Boots

UBNXXXX



U-bolt for point
holder & bracket

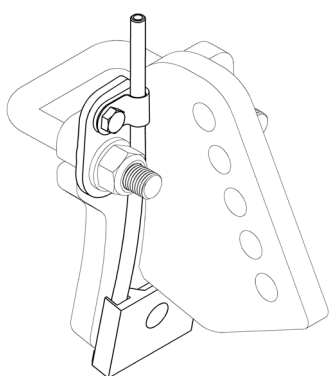
Wetter with Seed Option: Provision for liquid/wetter with the seed now comes standard on Single-Shoot Boots BT2540 & BT2550.

**SEE PAGE 41 FOR REPLACEMENT
WELD-ON CLOSER PLATES**

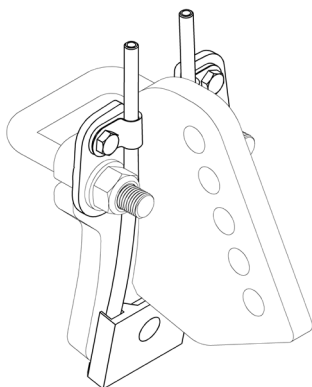
		Exc	Inc
BR5810	NT19 C-Shank Rigid Boot Bracket 2019 - 2023 Model	\$ 55.00	\$ 60.50
BR5820	NT19 C-Shank Rigid Boot Bracket 2024 - Current Model w improved boot plate angle	\$ 55.00	\$ 60.50
BR5840	NT19 Edge-On Rigid Boot Bracket	\$ 55.00	\$ 60.50
BT2540	40mm Closer Single Shoot recommended for use with 12mm Point	\$ 70.00	\$ 77.00
BT2550	50mm Closer Single Shoot recommended for use with 16mm Point	\$ 70.00	\$ 77.00
BT2370	65mm Closer with 'Y' Tube Single Shoot	\$140.00	\$154.00
BT2380	65mm Closer with Side-by-Side Tubes	\$140.00	\$154.00
BT2390	65mm Closer Dual Shoot with 'Y' seed spreader at front and fertiliser tube behind	\$185.00	\$203.50
BT2399	Split Fert Knife Weld-on	\$ 27.00	\$ 29.70
BT2398	Split Boot Side Pipe Protectors hardfaced (price per set of 2)	\$ 10.00	\$ 11.00
UBN2001	M12 U-Bolt 65x52 w/ Nuts & Washers - for Adjusta-Point to Rigid Boot For Class #1 tynes listed in Matrix Pg12	\$ 5.00	\$ 5.50
UBN5611	M12 U-Bolt 80x52 w/ Nuts & Washers - for Adjusta-Point to Rigid Boot For Class #2 or #3 tynes listed in Matrix Pg12	\$ 5.00	\$ 5.50
BNW122	½" x 2" Bolt, Nut & Washer for securing boot to bracket (2 required per boot)	\$ 3.00	\$ 3.30

Hose Pipe: All boots are 38mm ID at top. Cast boots (BT2540/ BT2550) taper down to 32mm ID to suit narrower hose sizes

NT19 RIGID BOOT LIQUID KITS



Liquid Kit Single



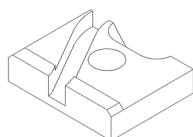
Liquid Kit Double

	Exc	Inc
Liquid Kit - Single	\$ 39.00	\$ 42.90
Liquid Kit - Double	\$ 60.00	\$ 66.00

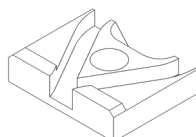
LFK51	NT19/NT11 Liquid Fertiliser Kit - Single to take flexible 3mm tube with 6mm casing
LFK52	NT19/NT11 Liquid Fertiliser Kit - Double to take flexible 3mm tube with 6mm casing
LFK53	NT19/NT11 Liquid Fertiliser Kit - Single to take 4-6mm flexible tube with 10mm casing
LFK54	NT19/NT11 Liquid Fertiliser Kit - Double to take 4-6mm flexible tube with 10mm casing

PLEASE NOTE: Our liquid kits have been designed for use with NT19/NT11 Rigid Boots but some users have modified them to suit Flexi-Boots in the past.
Contact Agmaster for more information if required.

NT19/NT11 Liquid Kit Parts



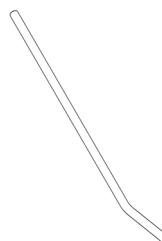
LF2510
LF2530



LF2520
LF2540



LF2550



LF2570
LF2580



PC6S
PC10S

		Exc	Inc
LF2510	Liquid Fertiliser Clamp Plate - Single - Suit 3mm tube/6mm casing	\$ 20.00	\$ 22.00
LF2520	Liquid Fertiliser Clamp Plate - Double - Suit 3mm tube/6mm casing	\$ 22.00	\$ 24.20
LF2530	Liquid Fertiliser Clamp Plate - Single - Suit 4-6mm tube/10mm casing	\$ 20.00	\$ 22.00
LF2540	Liquid Fertiliser Clamp Plate - Double - Suit 4-6mm tube/10mm casing	\$ 22.00	\$ 24.20
LF2550	Liquid Fertiliser 'P' Clamp Lug	\$ 8.00	\$ 8.80
LF2570	Liquid Fertiliser casing 6mm Shaped - to suit 3mm tube	\$ 9.00	\$ 9.90
LF2580	Liquid Fertiliser casing 10mm Shaped - to suit 4-6mm tube	\$ 9.00	\$ 9.90
PC6S.	P Clamp 6mm Stainless Steel	\$ 2.00	\$ 2.20
PC10S	P Clamp 10mm Stainless Steel	\$ 2.00	\$ 2.20
BON6M16S	Bolt 6mm x 16mm Stainless Steel and Nylock Nut	\$ 0.70	\$ 0.77

NT19 ADJUSTA-POINT & FLEXIBOOT SEEDING KITS

SUITS: DOUBLE-BOLT C-SHANK AND EDGE-ON TYNES WITH 1/2" BOLT HOLES (EXAMPLES LISTED ON PAGE 17)

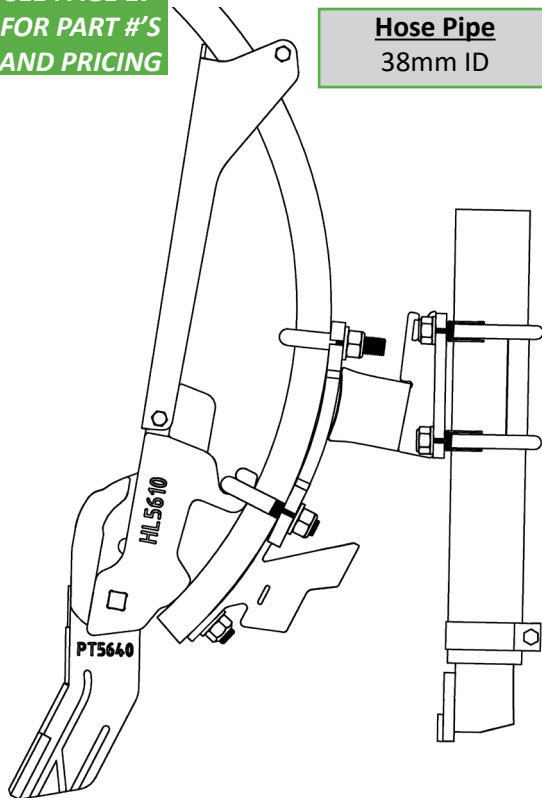
- * Progression of our NT11 Point & Flexiboot Kits
- * Four Adjusta-Point options
- * Easy access pin and bolts
- * Height-adjustable flexible boot made with hydraulic hose and inner spring
- * Single or Dual Shoot
- Option for liquid in knife point slot (using modified liquid kit)
- * Trashguard included

NT19 FLEXIBOOT

Included: All parts pictured, including trashguard & fasteners.

\$385 - \$415 +GST

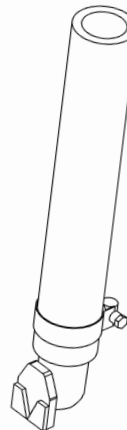
SEE PAGE 17
FOR PART #'S
AND PRICING



Hose Pipe
38mm ID

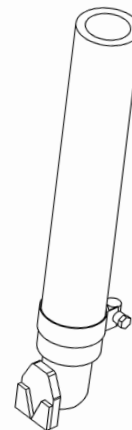
BOOT OPTIONS

FB2840



Flexiboot with 40mm Closer
Recommended width

FB2850



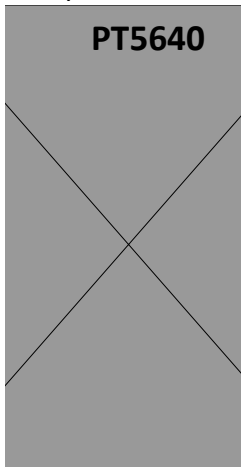
Flexiboot with 50mm Closer

Pipe size of boots is 38 mm inside diameter.

ADJUSTA-POINT OPTIONS FOR NT19 FLEXIBOOT KITS

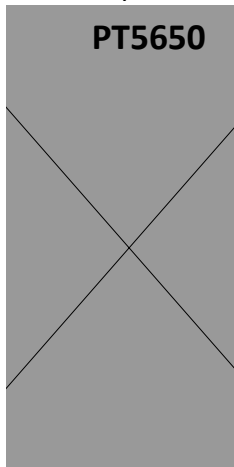
- * Four 14mm Adjusta-Point options
 - * Three height settings
 - * Lo-Thro or Straight profiles
 - * Two different lengths
 - * Liquid or Standard available in both lengths/profiles
- The kit pictured above has the PT5640 point.

PT5640



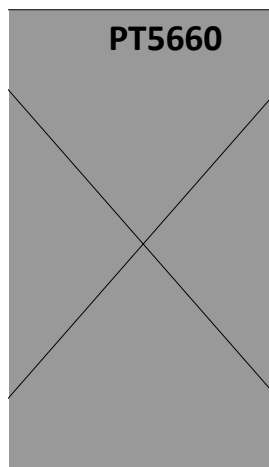
Adjusta-Point
14mm Lo-Thro
Standard

PT5650



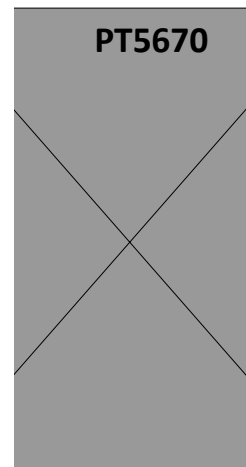
Adjusta-Point
14mm Lo-Thro
Liquid

PT5660



Adjusta-Point
14mm Straight
Standard

PT5670



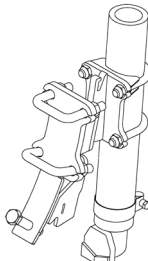
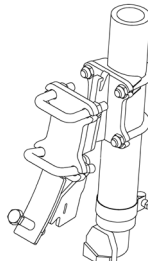
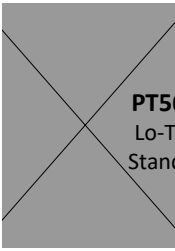
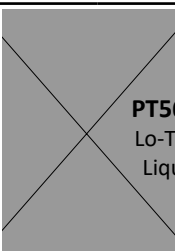
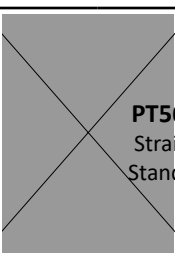
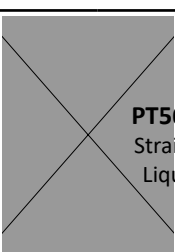
Adjusta-Point
14mm Straight
Liquid

PLEASE NOTE: Liquid point kits do not include parts for directing liquid to back of point. Our liquid kits have been designed for use with NT19/NT11 Rigid Boots but some users have modified them to suit Flexiboots in the past. [See page 15 for liquid kits and contact Agmaster for more information if required.](#)

NT19 ADJUSTA POINT & FLEXIBOOT SEEDING KITS MATRIX

1. Identify "Tyne Class" relevant to your machine/tyne
2. Select Point from left column

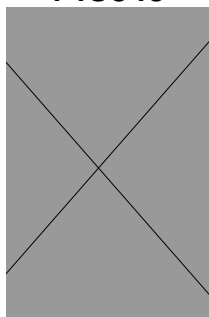
3. Select boot/closer from top row
4. Find part number & price relevant to your tyre class where your point & boot choice intersect

C-SHANK TYNE CLASS 1:		Standard C-Shank tynes with 1/2" bolt holes & 1 3/4" spacings <u>Examples:</u> Morris 400lb, Flexicoil 350lb (holes reamed to 1/2"), Bourgault, Ezee-On, Horwood Bagshaw C-Shank					
C-SHANK TYNE CLASS 2:		Standard C-Shank tynes with 1/2" bolt holes & 2 1/4" spacings <u>Examples:</u> Morris 650lb/Hydraulic, John Deere 1810-1830, Flexicoil 550lb/650lb/Hydraulic					
EDGE-ON TYNE CLASS 3:		Edge-On tynes (wide foot with narrow shank) with 1/2" bolt holes <u>Examples:</u> Horwood Bagshaw ScariBar, Gason Scari/Hydra Till, Shearer Universal, Simplicity					
BOOTS Flexiboot Options POINTS NT19 14mm Adjusta-Point		FLEXIBOOT & BRACKET		POINT & HOLDER NO BOOT NT19 Point & Holder Kits include pins but no bolts			
		FB2840 40mm Closer (Recommended)	FB2850 50mm Closer				
							
	C-SHANK TYNE #1	PHB64619184	\$385 +GST	PHB64619185	\$385 +GST	PTH6461	\$140 +GST
	C-SHANK TYNE #2	PHB64619384		PHB64619385		PTH6461	
	C-SHANK TYNE #3	PHB64619484		PHB64619485		PTH6461	
	C-SHANK TYNE #1	PHB65619184	\$415 +GST	PHB65619185	\$415 +GST	PTH6561	\$170 +GST
	C-SHANK TYNE #2	PHB65619384		PHB65619385		PTH6561	
	C-SHANK TYNE #3	PHB65619484		PHB65619485		PTH6561	
	C-SHANK TYNE #1	PHB66619184	\$385 +GST	PHB66619185	\$385 +GST	PTH6661	\$140 +GST
	C-SHANK TYNE #2	PHB66619384		PHB66619385		PTH6661	
	C-SHANK TYNE #3	PHB66619484		PHB66619485		PTH6661	
	C-SHANK TYNE #1	PHB67619184	\$415 +GST	PHB67619185	\$415 +GST	PTH6761	\$170 +GST
	C-SHANK TYNE #2	PHB67619384		PHB67619385		PTH6761	
	C-SHANK TYNE #3	PHB67619484		PHB67619485		PTH6761	
NO POINT NT19 Boot & Bracket kits will only fit with NT19 Adjusta-Points	C-SHANK TYNE #1	BRB9184	\$215.00 +GST	BRB9185	\$215.00 +GST		
	C-SHANK TYNE #2	BRB9384		BRB9385			
	C-SHANK TYNE #3	BRB9484		BRB9485			

NT19 FLEXI BOOT REPLACEMENT PARTS

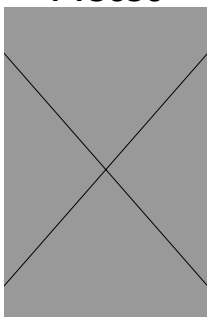
Points (Cast Mild Steel)

PT5640



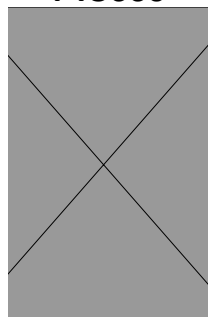
*Adjusta-Point
14mm Lo-Thro
Standard*

PT5650



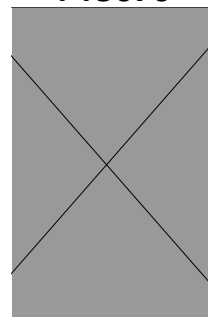
*Adjusta-Point
14mm Lo-Thro
Liquid*

PT5660



*Adjusta-Point
14mm Straight
Standard*

PT5670

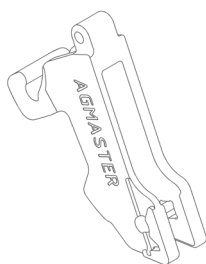


*Adjusta-Point
14mm Straight
Liquid*

		Exc	Inc
PT5640	14mm Adjusta-Point Lo-Thro Standard	\$115.00	\$126.50
PT5650	14mm Adjusta-Point Lo-Thro Liquid	\$145.00	\$159.50
PT5660	14mm Adjusta-Point Straight Standard	\$115.00	\$126.50
PT5670	14mm Adjusta-Point Straight Liquid	\$145.00	\$159.50

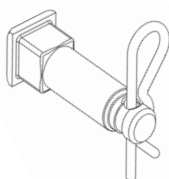
Holders & Fasteners

HL5610



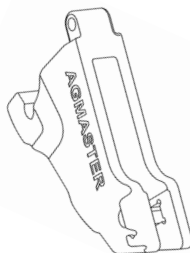
*Adjusta-Point
Holder 2021-Current
Uses pin PIR41/PIS41*

PIR41



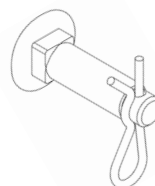
*12mm Square Head
Pin & R Clip for
Adjusta-Point
For holder HL5610*

HL5600



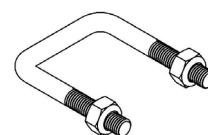
*Adjusta-Point
Holder 2018-2020
Uses Pin PIR45/PIS45*

PIR45



*12mm Cuphead Pin
& R Clip for
Adjusta-Point
For holder HL5600*

UBNXXXX



*U-Bolt to secure
point holder
& boot adapter*

		Exc	Inc
HL5610	Adjusta-Point Holder 2021- current	\$25.00	\$27.50
PIR41	Pin 12mm x 41mm Square & R Clip for HL5610	\$ 2.50	\$ 2.75
PIS41	Pin 12mm x 41mm Square & Split Pin for HL5610	\$ 2.00	\$ 2.20
HL5600	Adjusta-Point Holder 2018-2020	\$25.00	\$27.50
PIR45	Pin 12mm x 45mm Cup Head & R Clip for HL5600	\$ 2.50	\$ 2.75
PIS45	Pin 12mm x 45mm Cup Head & Split Pin for HL5600	\$ 2.00	\$ 2.20
PI12A41	Pin 12mm x 41mm Square for HL5610	\$ 1.90	\$ 2.09
PI12A45	Pin 12mm x 45mm Cup Head for HL5600	\$ 1.90	\$ 2.09
PI432R	R-Clip 2.5 x 43mm	\$ 0.70	\$ 0.77
PI325S	Split Pin 3 x 25mm	\$ 0.20	\$ 0.22
UBN2001	M12 U-Bolt 65x52 w/ Nuts & Washers - for Adjusta-Point to Flexi-Boot <i>For Class #1 & #2 tynes listed in Matrix Pg17</i>	\$ 5.00	\$ 5.50
UBN5611	M12 U-Bolt 80x52 w/ Nuts & Washers - for Adjusta-Point to Flexi-Boot <i>For Class #3 tynes listed in Matrix Pg17</i>	\$ 5.00	\$ 5.50

Flexi Boots & Other Parts



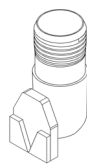
FB2840
FB2850



FB2870



HC52T



FB2834
FB2835



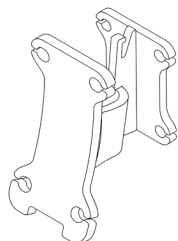
CL2844
CL2845



SP2880

		Exc	Inc
FB2870	Flexi Boot hose 340mm long	\$ 35.00	\$ 38.50
HC52T	Hose Clamp	\$ 5.50	\$ 6.05
FB2840	Flexi Boot 40mm Closer – Inc SP2880	\$100.00	\$110.00
FB2850	Flexi Boot 50mm Closer – Inc SP2880	\$100.00	\$110.00
FB2834	Hose Insert with 40mm Closer	\$ 55.00	\$ 60.50
FB2835	Hose Insert with 50mm Closer	\$ 55.00	\$ 60.50
CL2844	Closer Plate, weld-on, 40mm wide	\$ 30.00	\$ 33.00
CL2845	Closer Plate, weld-on, 50mm wide	\$ 30.00	\$ 33.00
SP2880	Spring Inner 200 x 37	\$ 10.00	\$ 11.00

Brackets & Fasteners



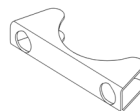
FB2910
FB2940



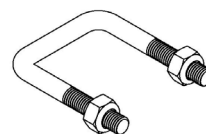
FB2980



FB2810



FB2820



UBN200X
UBN5611



UBN2007

		Exc	Inc
FB2910	* Suits two bolt flat-on tynes	\$ 65.00	\$ 71.50
FB2940	** Suits two bolt edge on tynes	\$ 65.00	\$ 71.50
FBH2980	Hose support bracket with hose clamp	\$ 26.00	\$ 28.60
FB2810	Support Saddle <i>one required per hose</i>	\$ 7.00	\$ 7.70
FB2820	Grip Clamp <i>one required per hose</i>	\$ 7.00	\$ 7.70
UBN2001	M12 U-bolt 65 x 52 w Nuts & Washers	\$ 5.00	\$ 5.50
UBN2002	M12 U-bolt 90 x 30 w Nuts & Washers	\$ 5.00	\$ 5.50
UBN5611	M12 U-bolt 80 x 52 w Nuts & Washers	\$ 5.00	\$ 5.50
UBN2007	M10 U-Bolt w Nuts & Washers to clamp hose to bracket <i>2 required per hose</i>	\$ 5.00	\$ 5.50
	* Uses 2x UBN2001		
	** Uses 1x UBN2002 & 1x UBN5611		

NT19 EXTRAS

SUITS: DOUBLE-BOLT C-SHANK AND EDGE-ON TYNES WITH 1/2" BOLT HOLES

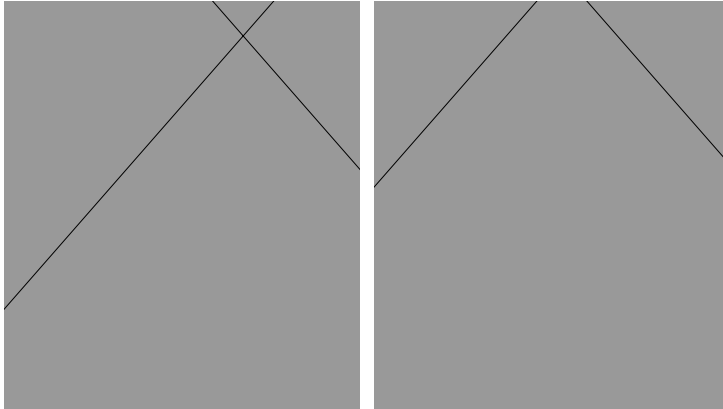
* Front-of-tyne assembly *Four NT19 Adjusta-Point options *Compatible with full Agmaster Seeding Boot range

NT19 POINT & HOLDER KITS (NO BOOT)

Included: Point, Holder & Pin only. No bolts/u-bolts.

\$140 - \$170 +GST

SEE PAGE 18 FOR
POINT OPTIONS &
SPARE PARTS

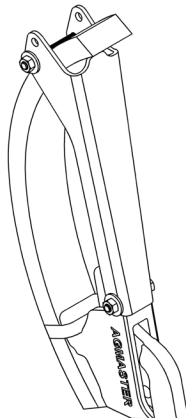


U-bolt and tyne bolt to be ordered separately as these vary depending on seeding boot type and machine/tyne specifications. Contact Agmaster if you require assistance.

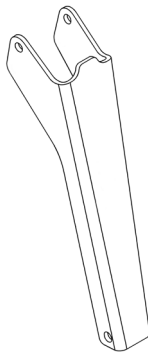
		Exc	Inc
PTH6461	NT19 Adjusta-Point & Holder Kit w Lo-Thro Standard PT5640 Point	\$ 140.00	\$ 154.00
PTH6561	NT19 Adjusta-Point & Holder Kit w Lo-Thro Liquid PT5650 Point	\$ 170.00	\$ 187.00
PTH6661	NT19 Adjusta-Point & Holder Kit w Straight Standard PT5660 Point	\$ 140.00	\$ 154.00
PTH6761	NT19 Adjusta-Point & Holder Kit w Straight Liquid PT5670 Point	\$ 170.00	\$ 187.00

NT19 TRASHGUARDS

Will only fit up to NT19 Series Adjusta-Point Holders (HL5600/HL5610)



TGB5750
TGB5730



TG5750
TG5730



BON8M65



BON8M45

		Exc	Inc
TGB5750	NT19 Adjusta-Point Trashguard with bolts– Flat-on Tynes	\$ 30.00	\$ 33.00
TGB5730	NT19 Adjusta-Point Trashguard with bolts– Edge-on Tynes	\$ 30.00	\$ 33.00
TG5750	* NT19 Trashguard for flat-on tynes	\$ 29.00	\$ 31.90
TG5730	** NT19 Trashguard for edge-on tynes	\$ 29.00	\$ 31.90
BON8M65	Bolt M8 x 65 with nut	\$ 1.00	\$ 1.10
BON8M45	Bolt M8 x 45 with nut	\$ 1.00	\$ 1.10

* Uses 1x BON8M65 & 1x BON8M45

** Uses 2x BON8M45

NT20 MULTI-BOOT MODULE

SUITS: * MORRIS QUANTUM & CONTOUR 2 & 3

* MORRIS CONTOUR 1

* BOURGAULT PARALINK

* HORSCH SPRINTER NT (HIGH MODEL)

*Modular system *Standard & Liquid Adjusta-Point options *Single-Row or Paired-Row
* Single or Dual Shoot * Option for liquid in knife point slot and/or with seed

SEE PAGE 23
FOR PART #'S
AND PRICING

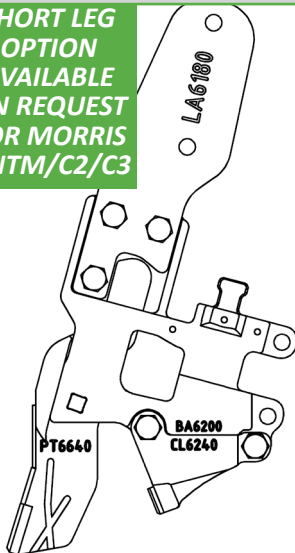
NT20 MULTIBOOT MODULE - SINGLE ROW

\$330 - \$571 +GST

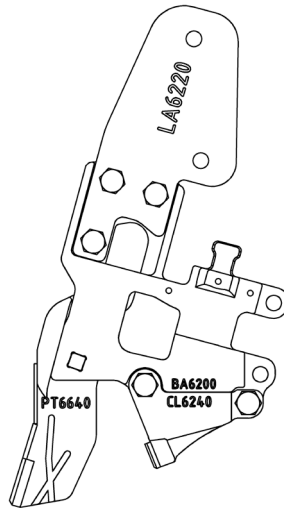
Included: All parts pictured, including fasteners.

Tapered Hose Pipe: 38mm ID at top down to 32mm ID at bottom

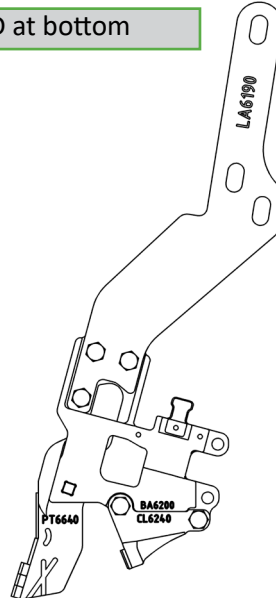
SHORT LEG
OPTION
AVAILABLE
ON REQUEST
FOR MORRIS
QNTM/C2/C3



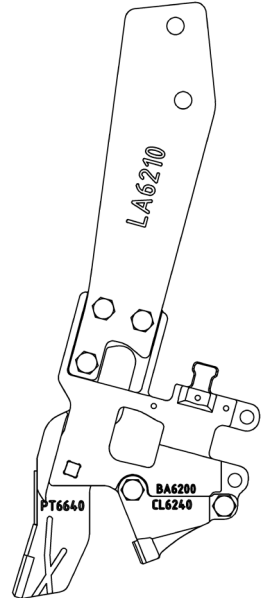
NT20M SINGLE-ROW
suit **MORRIS C2/C3/
QUANTUM**



NT20M SINGLE-ROW
suit **MORRIS C1
QUANTUM**



NT20B SINGLE-ROW
suit **BOURGAULT
PARALINK**



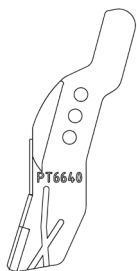
NT20H SINGLE-ROW
suit **HORSCH SPRINTER
NT**

NT20 ADJUSTA-POINT OPTIONS

"TRASH FRIENDLY" DESIGN AVAILABLE TO ORDER

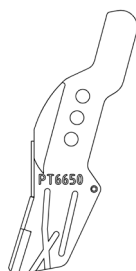
Ask the team for more information

PT6640



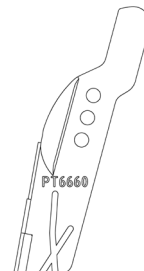
14mm Lo-Thro
Standard

PT6650



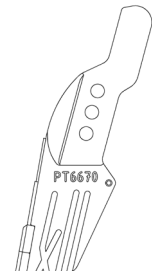
14mm Lo-Thro
Liquid

PT6660



12mm Straight
Standard

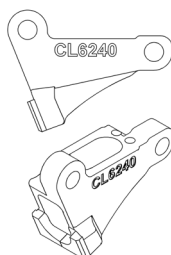
PT6670



12mm Straight
Liquid

SINGLE-ROW CLOSING TOOL OPTION

CL6240



Single-Row
45mm Closer

Dual Shoot Option

If you are looking for a single-row dual-shoot option, please contact Agmaster to discuss

12mm Straight Points
These are 10mm LONGER than the 14mm Lo-Thro style

NT20 MULTIBOOT MODULE - PAIRED-ROW

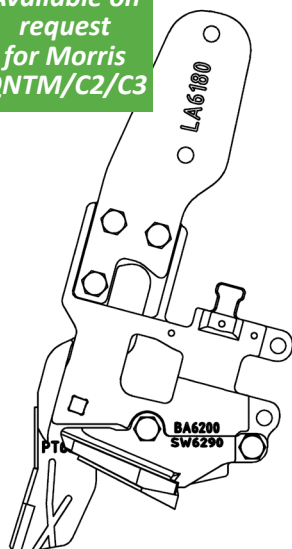
Included: All parts pictured, including & fasteners.

\$330 - \$571 +GST

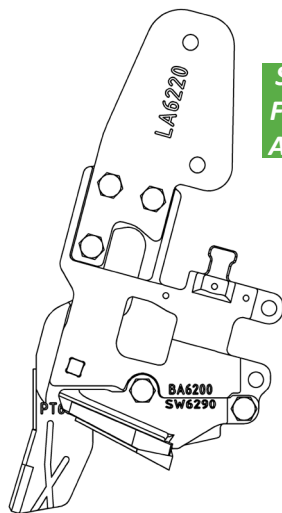
**SHORT LEG
OPTION**
Available on
request
for Morris
QNTM/C2/C3

SINGLE SHOOT

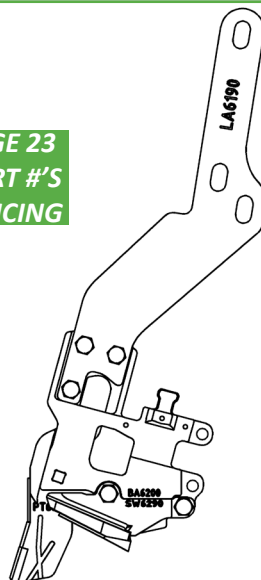
Tapered Hose Pipe: 38mm ID at top down to 32mm ID at bottom



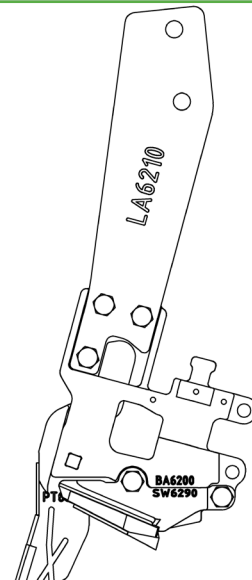
NT20M PAIRED-ROW
SINGLE suit **MORRIS**
C2/C3/QUANTUM



NT20M PAIRED-ROW
SINGLE suit
MORRIS C1



NT20B PAIRED-ROW
SINGLE suit
BOURGAULT PARALINK



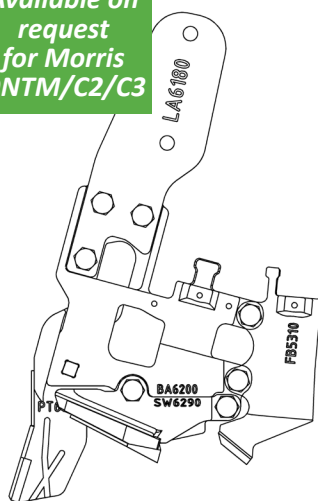
NT20H PAIRED-ROW
SINGLE suit **HORSCH**
SPRINTER NT

**SEE PAGE 23
FOR PART #'S
AND PRICING**

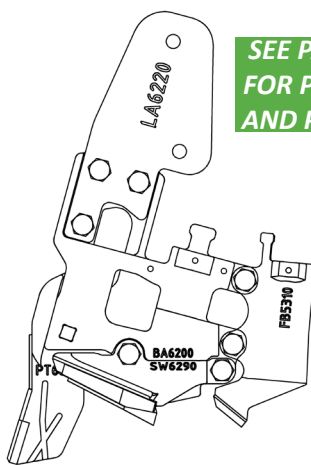
**SHORT LEG
OPTION**
Available on
request
for Morris
QNTM/C2/C3

DUAL SHOOT

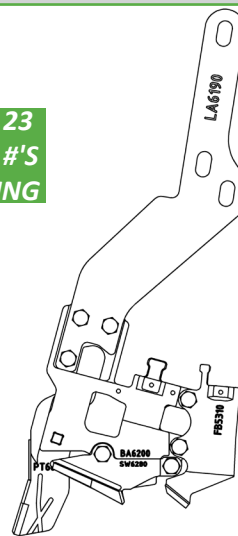
Tapered Hose Pipe: 38mm ID at top down to 32mm ID at bottom



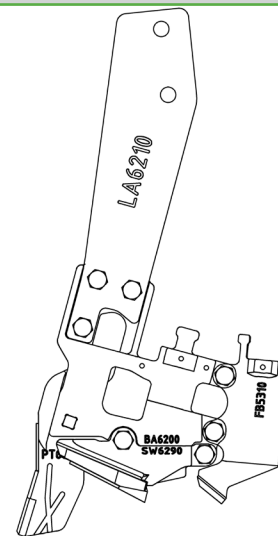
NT20M PAIRED-ROW
DUAL suit **MORRIS**
C2/C3/QUANTUM



NT20M PAIRED-ROW
DUAL suit
MORRIS C1



NT20B PAIRED-ROW
DUAL suit
BOURGAULT PARALINK



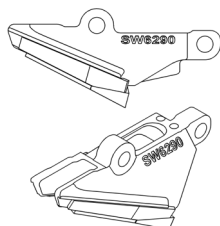
NT20H PAIRED-ROW
DUAL suit
HORSCH SPRINTER NT

**SEE PAGE 23
FOR PART #'S
AND PRICING**

PAIRED-ROW SEEKER WING OPTIONS

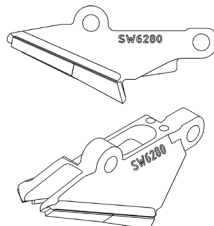
POINT OPTIONS PICTURED ON PAGE 21

SW6290



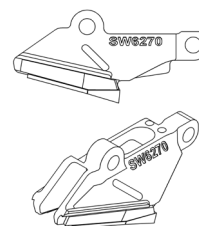
Paired-Row
95mm Seeker Wing
~75mm rows

SW6280



Paired-Row
85mm Seeker Wing
~65mm rows

SW6270



Paired-Row
75mm Seeker Wing
~55mm rows

NT20 MULTI-BOOT MODULE PRICES & PART NUMBERS MATRIX

INSTRUCTIONS:

- | | | | |
|--|--|--|--|
| <p>MORRIS (MR2)
Suits: Morris Seeding Modules for the Contour 2, Contour 3 & Quantum machines</p> | <p>MORRIS (MR1)
Suits: Morris Seeding Modules for the Contour 1</p> | <p>BOURGAULT (BG)
Suits Bourgault Seeding Module for the Paralink machine</p> | <p>HORSCH (HO)
Suits Horsch Sprinter NT Seeding Module for the high model Sprinter NT machine</p> |
|--|--|--|--|

MORRIS (MR1)

BOURGAULT (BG)

HORSCH (HO)

Suits: Morris Seeding Modules for the Contour 1	Suits Bourgault Seeding Module for the Paralink machine	Suits Horsch Sprinter NT Seeding Module for the high model Sprinter NT machine
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BOURGAULT (BG) HORSCH (HO)

Suits Bourgault Seeding Module for the Paralink machine

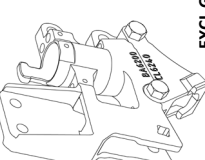
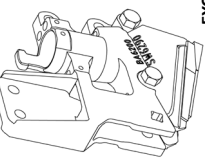
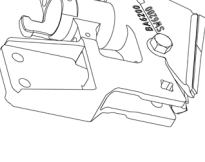
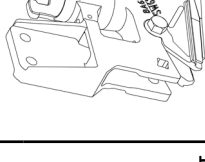
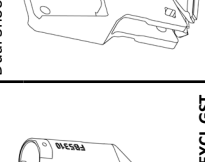
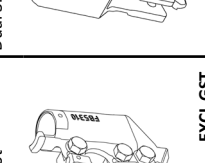
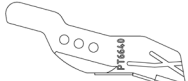
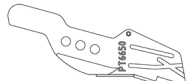
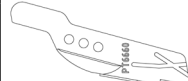
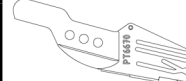
HORSCH (HO)

Suits Horsch Sprinter NT Seeding Module for the high model Sprinter NT

100

HORSCH (HO)
Suits Horsch Sprinter NT
Seeding Module for the
high model Sprinter NT
machine

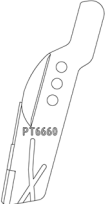
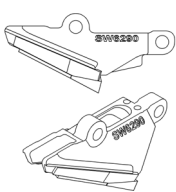
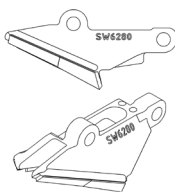
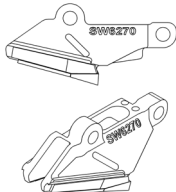
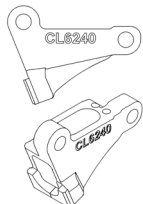
FOR MODULE MAKES NOT LISTED UNDER EITHER OF THE CLASSIFICATIONS, PLEASE CONTACT AGMASTER AS OTHERS MAY BE AVAILABLE BY SPECIAL ORDER

BOOTS MultiBoot Options POINTS NT20 Adjusta-Point		SINGLE ROW			PAIRED ROW/SINGLE SHOOT				PAIRED ROW/DUAL SHOOT												
		CL6240 45mm Closer 	SW6290 95mm Wing 	SW6280 85mm Wing 	SW6270 75mm Wing 	SW6290 95mm Wing & Dual Shoot Fert Boot 	SW6280 85mm Wing & Dual Shoot Fert Boot 	SW6270 75mm Wing & Dual Shoot Fert Boot 													
 PT6640 14mm Lo-Thro Standard	MR2	PMM64182024	\$330	EXCL GST	PMM64182029	\$450	EXCL GST	PMM64182028	\$445	EXCL GST	PMM64182027	\$440	EXCL GST	PMM6418202931	\$505	EXCL GST	PMM6418202831	\$500	EXCL GST	PMM6418202731	\$495
	MR1	PMM64222024	\$330		PMM64222029	\$450		PMM64222028	\$445		PMM64222027	\$440		PMM6422202931	\$505		PMM6422202831	\$500		PMM6422202731	\$495
	BG	PMM64192024	\$360		PMM64192029	\$480		PMM64192028	\$475		PMM64192027	\$470		PMM6419202931	\$535		PMM6419202831	\$530		PMM6419202731	\$525
	HO	PMM64212024	\$360		PMM64212029	\$480		PMM64212028	\$475		PMM64212027	\$470		PMM6421202931	\$535		PMM6421202831	\$530		PMM6421202731	\$525
 PT6650 14mm Lo-Thro Liquid	MR2	PMM65182024	\$366		PMM65182029	\$486		PMM65182028	\$481		PMM65182027	\$476		PMM6518202931	\$541		PMM6518202831	\$536		PMM6518202731	\$531
	MR1	PMM65222024	\$366		PMM65222029	\$486		PMM65222028	\$481		PMM65222027	\$476		PMM6522202931	\$541		PMM6522202831	\$536		PMM6522202731	\$531
	BG	PMM65192024	\$396		PMM65192029	\$516		PMM65192028	\$511		PMM65192027	\$506		PMM6519202931	\$571		PMM6519202831	\$566		PMM6519202731	\$561
	HO	PMM65212024	\$396		PMM65212029	\$516		PMM65212028	\$511		PMM65212027	\$506		PMM6521202931	\$571		PMM6521202831	\$566		PMM6521202731	\$561
 PT6660 12mm Straight Standard	MR2	PMM66182024	\$330		PMM66182029	\$450		PMM66182028	\$445		PMM66182027	\$440		PMM6618202931	\$505		PMM6618202831	\$500		PMM6618202731	\$495
	MR1	PMM66222024	\$330		PMM66222029	\$450		PMM66222028	\$445		PMM66222027	\$440		PMM6622202931	\$505		PMM6622202831	\$500		PMM6622202731	\$495
	BG	PMM66192024	\$360		PMM66192029	\$480		PMM66192028	\$475		PMM66192027	\$470		PMM6619202931	\$535		PMM6619202831	\$530		PMM6619202731	\$525
	HO	PMM66212024	\$360		PMM66212029	\$480		PMM66212028	\$475		PMM66212027	\$470		PMM6621202931	\$535		PMM6621202831	\$530		PMM6621202731	\$525
 PT6670 12mm Straight Liquid	MR2	PMM67182024	\$366		PMM67182029	\$486		PMM67182028	\$481		PMM67182027	\$476		PMM6718202931	\$541		PMM6718202831	\$536		PMM6718202731	\$531
	MR1	PMM67222024	\$366		PMM67222029	\$486		PMM67222028	\$481		PMM67222027	\$476		PMM6722202931	\$541		PMM6722202831	\$536		PMM6722202731	\$531
	BG	PMM67192024	\$396		PMM67192029	\$516		PMM67192028	\$511		PMM67192027	\$506		PMM6719202931	\$571		PMM6719202831	\$566		PMM6719202731	\$561
	HO	PMM67212024	\$396		PMM67212029	\$516		PMM67212028	\$511		PMM67212027	\$506		PMM6721202931	\$571		PMM6721202831	\$566		PMM6721202731	\$561

NT20 MULTI-BOOT MODULE PARTS

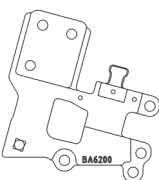
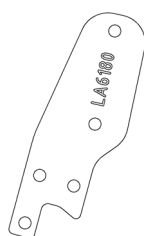
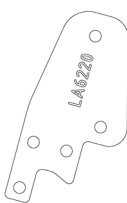
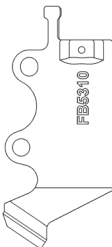
Spare parts for Multi-Boot Module Kits for Morris C2/C3/Quantum, Bourgault Paralink & Horsch Sprinter **P21-23**

Points & Closing Tools for Multi-Boot Module

PT6640	PT6650	PT6660	PT6670	SW6290	SW6280	SW6270	CL6240
							
14mm Lo-Thro Standard	14mm Lo-Thro Liquid	12mm Straight Standard	12mm Straight Liquid	Paired-Row 95mm Seeker Wing ~75mm rows	Paired-Row 85mm Seeker Wing ~65mm rows	Paired-Row 75mm Seeker Wing ~55mm rows	Single-Row 45mm Closer

			Exc	Inc
PT6640	* or **	14mm Adjusta-Point; Lo-Thro Standard	\$110.00	\$121.00
PT6650	* or **	14mm Adjusta-Point; Lo-Thro Liquid	\$140.00	\$154.00
PT6660	* or **	12mm Adjusta-Point; Straight Standard	\$110.00	\$121.00
PT6670	* or **	12mm Adjusta-Point; Straight Liquid	\$140.00	\$154.00
SW6290	***	95mm Seeker Wing for Module; paired rows 75mm apart	\$175.00	\$192.50
SW6280	***	85mm Seeker Wing for Module; paired rows 65mm apart	\$170.00	\$187.00
SW6270	***	75mm Seeker Wing for Module; paired rows 55mm apart	\$165.00	\$181.50
CL6240	***	45mm Closer for Module; single row	\$ 55.00	\$ 60.50

Other Parts for Multi-Boot Module

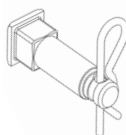
BA62X0	LA6180	LA6220	LA6190	LA6210	FB5310	SL5520
						
Boot Adaptor	Morris Quantum C2/C3 Leg Adaptor	Morris Contour 1 Leg Adaptor	Bourgault Leg Adaptor	Horsch Leg Adaptor	Dual-Shoot Dry Fertiliser Boot	Stainless Liquid Tube

SHORT OPTION AVAILABLE ON REQUEST

			Exc	Inc
BA6200		Boot Adaptor 2021; mount for above closing tools and fertiliser boot	\$ 95.00	\$104.50
BA6260		Boot Adaptor 2020; mount for above closing tools and fertiliser boot	\$ 95.00	\$104.50
LA6180	*** + ****	Leg Adaptor <u>Morris</u> ; secures seeding system to machine	\$ 70.00	\$ 77.00
LA6220	*** + ****	Leg Adaptor <u>Morris C1</u> ; secures seeding system to machine	\$ 70.00	\$ 77.00
LA6190	***** + *****	Leg Adaptor <u>Bourgault Paralink</u> ; secures seeding system to machine	\$ 100.00	\$110.00
LA6210	*** + ****	Leg Adaptor <u>Horsch Sprinter</u> ; secures seeding system to machine	\$ 100.00	\$110.00
FB5310	***	Optional Dry Fertiliser Boot; drops fertiliser in between paired rows when used with Seeker Wings	\$ 55.00	\$ 60.50
LF5520	*****	Liquid Fertiliser Tube; stainless steel tube for directing liquid fertiliser to back of point or for liquid with seed. <i>If using with point, 1 required per boot/closer. If for with seed then 1 required per seed row.</i>	\$ 6.00ea	\$ 6.60ea

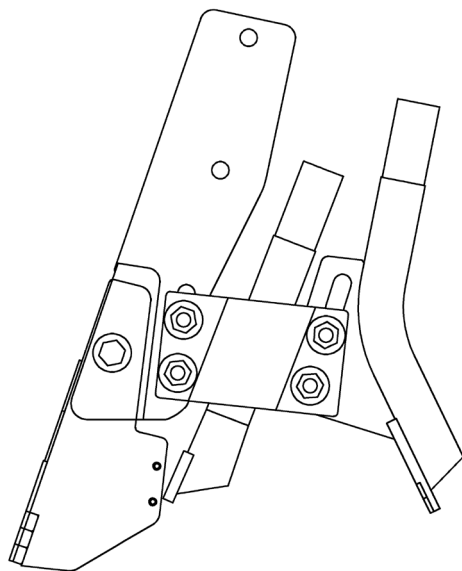
FOR FASTENERS, PLEASE REFER TO NEXT PAGE

NT20 Multi-Boot Module Fastener Guide

			Exc	Inc
	PIR41			
	*	1 x PIR41	M12 x 41mm Square Pin & R-Clip w BA6200 (2021-current)	\$ 2.50ea \$ 2.75ea
	*	1 x PIS41	M12 x 41mm Square Pin & Split Pin w BA6200 (2021-current)	\$ 2.00ea \$ 2.20ea
	**	1 x PIR45	M12 x 45mm Cuphead Pin & R-Clip w BA6260 (2020)	\$ 2.50ea \$ 2.75ea
	**	1 x PIS45	M12 x 45mm Cuphead Pin & Split Pin w BA6260 (2020)	\$ 2.00ea \$ 2.20ea
	***	2 x BNW122	½" x 2" Bolt, Nut & Washer	\$ 3.00ea \$ 3.30ea
	****	3 x BNW12134	½" x 1 ¾" Bolt, Nut & Washer	\$ 3.00ea \$ 3.30ea
	*****	3 x BNW122	½" x 2" Bolt, Nut & Washer	\$ 3.00ea \$ 3.30ea
	*****	2 x BNW16M55	M16 x 55 Bolt, Nut & Washer & 1x original BG u-bolt	\$ 5.00ea \$ 5.50ea
	*****	1 x BO6M16S	M6 x 16 Bolt (1 required per tube behind point)	\$ 0.50ea \$ 0.55ea
	*****	1 x BO6M10S	M6 x 16 Bolt (1 required per tube with seed)	\$ 0.50ea \$ 0.55ea

NT21M DUAL IN-LINE FOR MORRIS QUANTUM & CONTOUR 2/3

This dual-shoot in-line system is currently compatible only with the Morris Quantum & Contour 2/3. It was developed to fulfill customer requirements that our Multi-Boot Module system was unable to meet. Kits available upon request.



	Exc	Inc
PMI063554 Standard Dual In-Line Kit	\$465.00	\$511.50
Dual In-Line Seeding Kit for Morris; 12mm Standard Adjustable Point, 40mm Closer		

PMI073554 Liquid Dual In-Line Kit	\$495.00	\$544.50
Dual In-Line Seeding Kit for Morris; 12mm Liquid Adjustable Point, 40mm Closer. Pictured.		

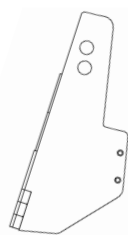
LOOKING FOR NEW NT22 2026 INLINE FOR MORRIS AND HORSCH? CONTACT AGMASTER FOR SEPARATE FLYER

Dual In-Line Parts

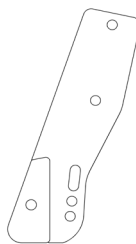
PT5060



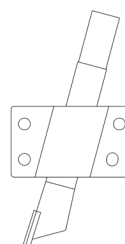
PT5070



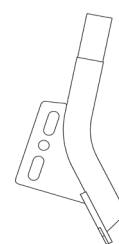
SL5350



FB5350



BT5540



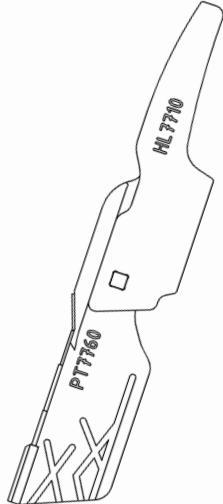
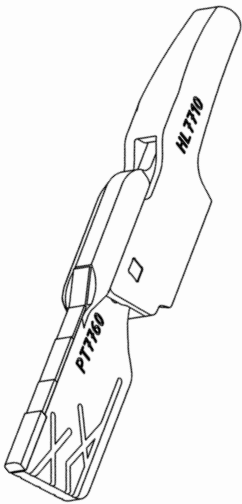
			Exc	Inc
PT5060	*	Standard Point; 12mm height-adjustable standard point	\$105.00	\$115.50
PT5070	*	Liquid Point; 12mm height-adjustable liquid point	\$135.00	\$148.50
LA5350	**	Leg; holds point and attaches seeding kit to machine	\$145.00	\$159.50
FB5350	***	Dry Fertiliser Boot; dual-shoot behind point	\$115.00	\$126.50
BT5540	***	Seeding Boot; 40mm closer plate	\$100.00	\$110.00

*	Requires 1 x BNW12112	½" x 1 ½" Bolt, Nut & Washer	\$ 3.00ea	\$ 3.30ea
**	Requires 2 x BNW122	½" x 2" Bolt, Nut & Washer	\$ 3.00ea	\$ 3.30ea
***	Requires 2 x BNW12112	½" x 1 ½" Bolt, Nut & Washer	\$ 3.00ea	\$ 3.30ea

NT21D ADJUSTA-POINT FOR DBS

SUITS: DBS/GROUNDHOG SHANKS

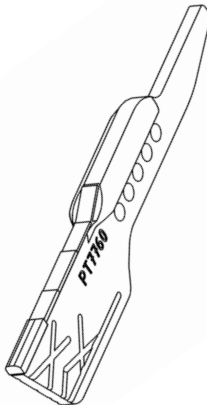
- * Front-of-tyne assembly
- * 14mm Adjusta-Point
- * Five depth settings 120 - 200mm
- * Unique holder design with built-in trashguard
- * Easy access 12mm pin & R-clip



	Exc	Inc
PTH7671	\$145.00	\$159.50
NT21D Adjusta-Point & Holder Kit to suit DBS		
INCLUDED: Point, Holder & Retaining Pin as pictured		

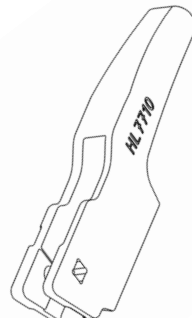
NT21D Parts

PT7760



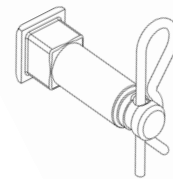
NT21D Adjusta-Point
to suit DBS

HL7710



NT21D Point Holder
to suit DBS

PIR41



12mm Square Head
Pin & R-Clip

		Exc	Inc
PT7760	NT21D 14mm Adjusta-Point to suit DBS	\$115.00	\$126.50
HL7710	NT21D Point Holder to suit DBS	\$ 30.00	\$ 33.00
PIR45	Pin M12 x 45mm Square Head & R-Clip for Adjusta-Point 2021 on	\$ 2.50	\$ 2.75
PI12A41	Pin M12 x 45mm Square Head for Adjusta-Point 2021 on	\$ 1.90	\$ 2.09
PI432R	R-Clip 43 x 2.5mm	\$ 0.70	\$ 0.77

NT21B FOR BOURGAULT PLDS

We now have the following non-genuine replacement parts available to suit the Bourgaault PLDS.

Pre-order recommended



PT6710



PT6720

		Exc	Inc
PT6710	Fertiliser Knife to suit PLDS	\$155.00	\$170.50
PT6720	Seed Knife to suit PLDS	\$105.00	\$115.50

NT21B FOR BOURGAULT 4420DKD

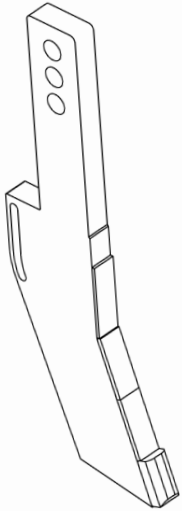
SUITS: BOURGAULT 4420DKD SHANKS

*16mm height-adjustable point

*Standard and liquid options

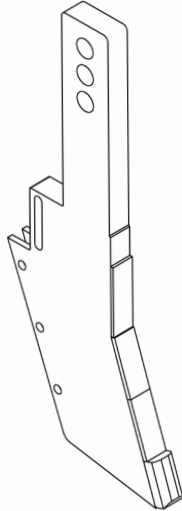
*Straight or Lo-Thro profiles

PT6740



NT21B 16mm
Lo-Thro Standard

PT6750



NT21B 16mm
Lo-Thro Liquid

	Exc	Inc
PT6740 Lo-Thro Standard	\$125.00	\$137.50
PT6750 Lo-Thro Liquid	\$145.00	\$159.50
PT6760 Straight Standard	\$125.00	\$137.50
PT6770 Straight Liquid	\$145.00	\$159.50

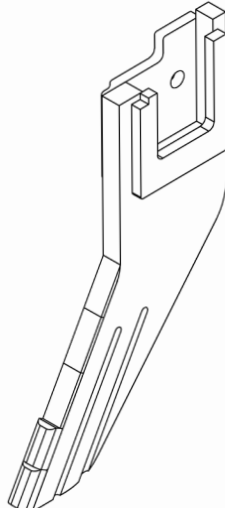
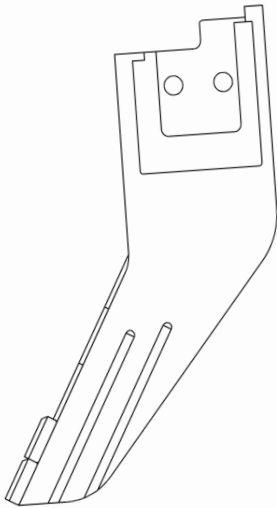
SEEDING BOOTS AVAILABLE TO ORDER

Ask the team for more information

NT21E FOR EQUALIZER

SUITS: EQUALIZER SHANKS

16mm fabricated bolt-on point point



PT6810

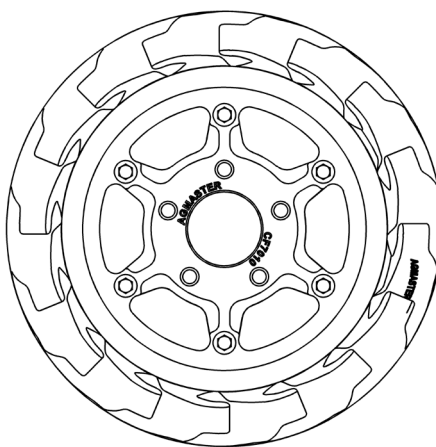
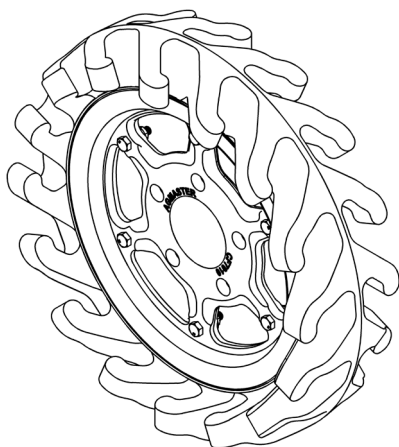
Exc	Inc
\$150.00	\$165.00

EMU TRACKER WHEELS

SUITS: BOURGAULT PARALINK, MORRIS QUANTUM, MORRIS CONTOUR 1/2/3 & HORSCH SPRINTER

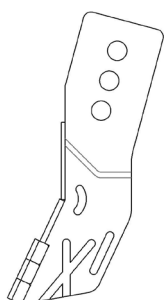
Other makes may be adaptable.

These wheels have a unique design which addresses the issue of presswheel furrow smearing on some parallelogram seeding modules (as listed above) The Emu Tracker wheel replaces the existing presswheel on these modules. The flexible feet flick some of the loose soil back into the seeding row while giving some pressing effect. They are most effective in moist clay soil conditions.

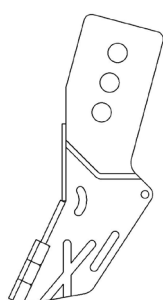


		Exc	Inc
CF7560	Emu Tracker complete wheel assembly for Morris Quantum, C2 & Paralink	\$350.00	\$385.00
CF7360	Emu Tracker complete wheel assembly for Horsch Sprinter	\$350.00	\$385.00
CF7160	Emu Tracker replacement tyre only	\$200.00	\$220.00

EARLY MODEL MORRIS C2 & BOURGAULT PARALINK PARTS



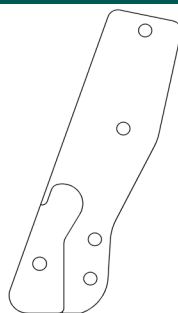
PT6040



PT6050



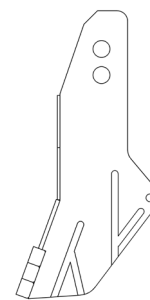
FB6410



SL5340



PT5040



PT5050

KWIK FIT MODULE 2017-2018 PARTS (Morris C2 & Bourgault Paralink)

		Exc	Inc
PT6040	* Standard Point; 14mm, Lo-Thro, height adjustable	\$105.00	\$115.50
PT6050	* Liquid Point; 14mm, Lo-Thro, height adjustable	\$135.00	\$148.50
FB6410	** Optional Dry Fertiliser Boot; drops fertiliser in between paired rows when used with SW6720 and SW6820	\$ 55.00	\$ 60.50

MORRIS CONTOUR 2 2015-2016 PARTS

LA5340	*** MC2 Seeker leg to hold point & seeker boot	\$145.00	\$159.50
PT5040	**** 12mm Standard point to suit MC2 SL5340	\$105.00	\$115.50
PT5050	**** 12mm Liquid point to suit MC2 SL5340	\$135.00	\$148.50

*	Requires 1x BNW7162	7/16" x 2" Bolt, Nut & Washer	\$ 3.00ea	\$ 3.30ea
**	Requires 1x BNW12M55	M12 x 55 Bolt, Nut & Washer	\$ 2.00ea	\$ 2.20ea
***	Requires 2x BNW122	½" x 2" Bolt, Nut & Washer	\$ 3.00ea	\$ 3.30ea
****	Requires 1x BNW12134	½" x 1 ¾" Bolt, Nut & Washer	\$ 3.00ea	\$ 3.30ea

FOR CURRENT MORRIS QUANTUM & CONTOUR 1/2/3 KITS, PLEASE REFER TO PAGES 21-23

NT11 POINT & RIGID BOOT SEEDING KITS

SUITS: DOUBLE-BOLT C-SHANK AND EDGE-ON TYNES (EXAMPLES LISTED ON PAGE 30)

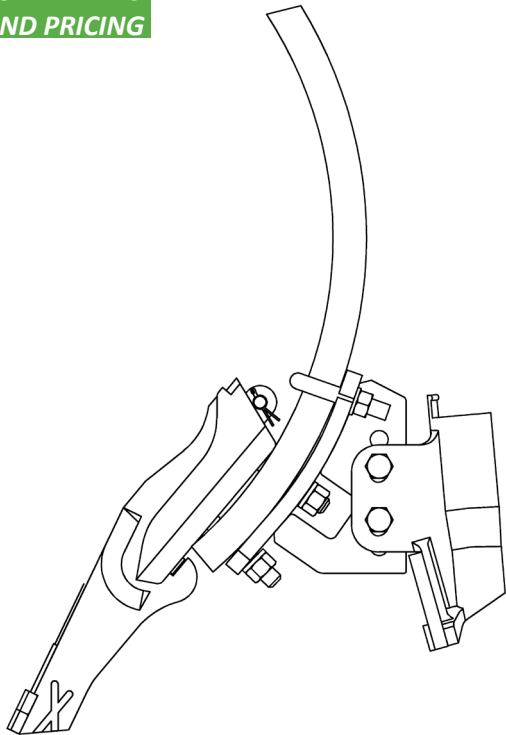
- *Seven NT11 Point styles with a mixture of Straight or Lo-Thro profiles and Standard or Liquid options
- * Three height-adjustable seeding boot styles with Single or Dual Shoot options
- * Provision for liquid in knife point slot and/or with seed (select boots only) * Accessories such as Trashguards & Liquid Kits available (P38/39)

NT11 RIGID BOOT

Included: All parts pictured including fasteners.

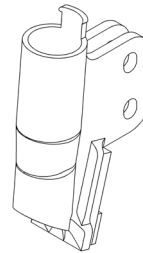
\$230 - \$400 +GST

SEE PAGE 30
FOR PART #'S
AND PRICING



BOOT OPTIONS

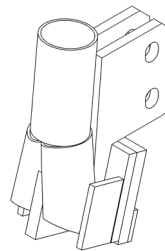
BT2540/BT2550



Standard Single Shoot Boot
40mm or 50mm Closer

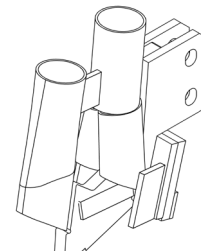
Wetter with Seed Option:
Provision for liquid/wetter with the seed now comes standard on Single-Shoot Boots BT2540 & BT2550.

BT2370



"Y" Tube Single Shoot Boot
65mm Closer

BT2390



Dual Shoot Boot
65mm Closer

Hose Pipe: All boots are 38mm ID at top. Cast boots (BT2540/ BT2550) taper down to 32mm ID to suit narrower hose sizes

POINT OPTIONS FOR NT11 RIGID BOOT KITS

- *Three widths; 12mm & 16mm Straight or 14mm Lo-Thro profiles
- *Liquid or Standard available in all widths of the Straight & Lo-Thro profiles
- * **Soft Point Option:** A softer tip on the points for extremely rocky conditions is available for kits with PT1120 and PT1160 points. These are identified by the point being painted. There is no price difference for "Red" points.

*16mm Winged option

PT1120

***PT1150**

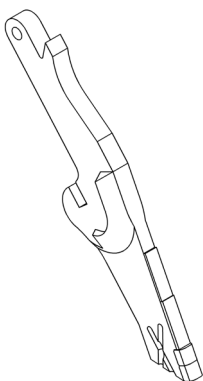
PT1140

***PT1170**

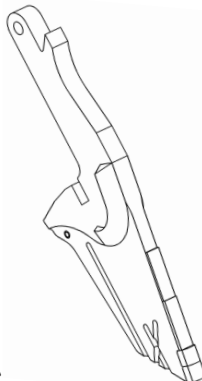
PT1160

***PT1190**

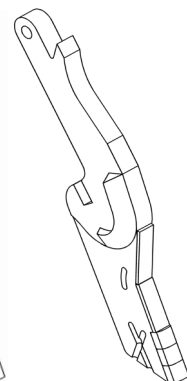
PT1130



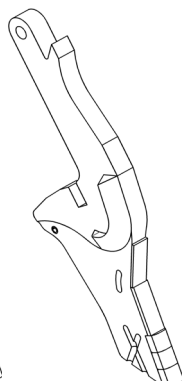
12mm
Straight
Standard



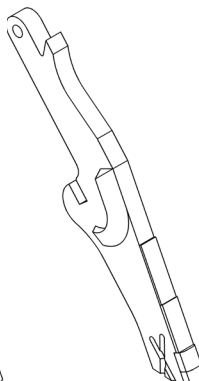
12mm
Straight
Liquid



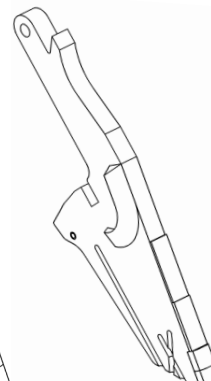
14mm
Lo-Thro
Standard



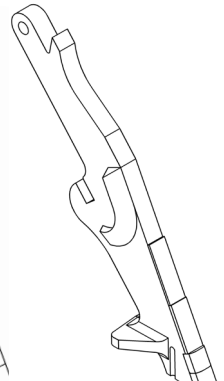
14mm
Lo-Thro
Liquid



16mm
Straight
Standard



16mm
Straight
Liquid



16mm
Winged
Standard

***PLEASE NOTE:** Kits with Liquid Points do not include parts for directing liquid to back of point.

See page 39 for liquid kits.

Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers, calculations and prices.

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NT11 RIGID SEEDING KITS PRICE & PART NUMBERS MATRIX

INSTRUCTIONS:

1. Identify "Tyne Class" relevant to your machine/tyne
2. Select Point from left column

3. Select boot/closer from top row

4. Find part number & price relevant to your tyne class where your point & boot choice intersect

C-SHANK TYNE CLASS 1:	Standard C-Shank tynes with 1/2" bolt holes & 1 3/4" spacings Examples: Morris 400lb, Flexicoil 350lb (holes reamed to 1/2"), Bourgault, Ezee-On, Horwood Bagshaw C-Shank, Shearer							
C-SHANK TYNE CLASS 2:	Standard C-Shank tynes with 7/16" bolt holes & 1 3/4" spacings Example: Flexicoil 350lb (original un-reamed tyne bolt holes)							
C-SHANK TYNE CLASS 3:	Standard C-Shank tynes with 1/2" bolt holes & 2 1/4" spacings Examples: Morris 650lb/Hydraulic, John Deere 1810-1830, Flexicoil 550lb/650lb/Hydraulic							
EDGE-ON TYNE CLASS 4:	Edge-On tynes (wide foot with narrow shank) with 1/2" bolt holes IMPORTANT: These tynes have a specific bracket each, so the tyne ref. in the part number will need to be replaced with the machine/tyne code from below in place of the OX e.g. PHB120X54 for Horwood Bagshaw Scaribar is PHB120954							
	TYNE REF CODES:	AFM 340 04	Forwood Delta 05	Flexicoil Edge-On 06	Gason 5100 07	Gason Scari 08	Horwood Bagshaw 09	Simplicity/Gason HT 11

BOOTS Rigid Boot Options POINTS NT11 Knife Points	RIGID BOOT OPTIONS				POINT & HOLDER	
	BT2540 40mm Closer	BT2550 50mm Closer	BT2370 65mm Closer "Y" Single	BT2390 65mm Closer "Y" Dual Shoot	NO BOOT NT11 Point & Holder Kits include pins but no bolts	
 PT1120* 12mm Straight Standard	C-SHANK #1	PHB120154	PHB120155	PHB120137	PHB120139	PTH1210
	C-SHANK #2	PHB120254	PHB120255	PHB120237	PHB120239	PTH1211
	C-SHANK #3	PHB120354	PHB120355	PHB120337	PHB120339	PTH1210
	EDGE-ON #4	PHB120X54	PHB120X55	PHB120X37	PHB120X39	CHECK W AGM
 PT1150 12mm Straight Liquid	C-SHANK #1	PHB150154	PHB150155	PHB150137	PHB150139	PTH1510
	C-SHANK #2	PHB150254	PHB150255	PHB150237	PHB150239	PTH1511
	C-SHANK #3	PHB150354	PHB150355	PHB150337	PHB150339	PTH1510
	EDGE-ON #4	PHB150X54	PHB150X55	PHB150X37	PHB150X39	CHECK W AGM
 PT1140 14mm Lo-Thro Standard	C-SHANK #1	PHB140154	PHB140155	PHB140137	PHB140139	PTH1410
	C-SHANK #2	PHB140254	PHB140255	PHB140237	PHB140239	PTH1411
	C-SHANK #3	PHB140354	PHB140355	PHB140337	PHB140339	PTH1410
	EDGE-ON #4	PHB140X54	PHB140X55	PHB140X37	PHB140X39	CHECK W AGM
 PT1170 14mm Lo-Thro Liquid	C-SHANK #1	PHB170154	PHB170155	PHB170137	PHB170139	PTH1710
	C-SHANK #2	PHB170254	PHB170255	PHB170237	PHB170239	PTH1711
	C-SHANK #3	PHB170354	PHB170355	PHB170337	PHB170339	PTH1710
	EDGE-ON #4	PHB170X54	PHB170X55	PHB170X37	PHB170X39	CHECK W AGM
 PT1160* 16mm Straight Standard	C-SHANK #1	PHB160154	PHB160155	PHB160137	PHB160139	PTH1610
	C-SHANK #2	PHB160254	PHB160255	PHB160237	PHB160239	PTH1611
	C-SHANK #3	PHB160354	PHB160355	PHB160337	PHB160339	PTH1610
	EDGE-ON #4	PHB160X54	PHB160X55	PHB160X37	PHB160X39	CHECK W AGM
 PT1190 16mm Straight Liquid	C-SHANK #1	PHB190154	PHB190155	PHB190137	PHB190139	PTH1910
	C-SHANK #2	PHB190254	PHB190255	PHB190237	PHB190239	PTH1911
	C-SHANK #3	PHB190354	PHB190355	PHB190337	PHB190339	PTH1910
	EDGE-ON #4	PHB190X54	PHB190X55	PHB190X37	PHB190X39	CHECK W AGM
 PT1130 16mm Winged	C-SHANK #1	PHB130154	PHB130155	PHB130137	PHB130139	PTH1310
	C-SHANK #2	PHB130254	PHB130255	PHB130237	PHB130239	PTH1311
	C-SHANK #3	PHB130354	PHB130355	PHB130337	PHB130339	PTH1310
	EDGE-ON #4	PHB130X54	PHB130X55	PHB130X37	PHB130X39	CHECK W AGM
NO POINT NT11 Boot & Bracket kits are designed to fit with NT11 Point & Holders but are adaptable to NT19 Adjusta-Points	C-SHANK #1	BRB0154	BRB0155	BRB0137	BRB0139	*TO ADD "RED" SOFT POINT OPTION AS EXPLAINED ON P26 FOR PT1120 OR PT1160, ADD THE LETTER "R" TO END OF KIT PART #
	C-SHANK #2	BRB0254	BRB0255	BRB0237	BRB0239	
	C-SHANK #3	BRB0354	BRB0355	BRB0337	BRB0339	
	EDGE-ON #4	BRB0X54	BRB0X55	BRB0X37	BRB0X59	

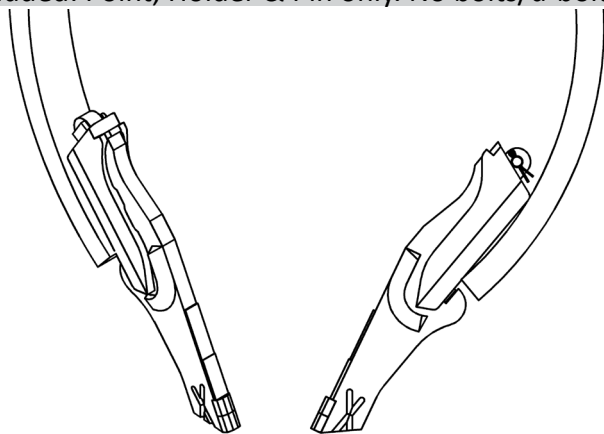
NT11 FRONT OR BACK OF TYNE RIGID BOOT KITS

NT11 POINT & HOLDER KITS (NO BOOT)

Included: Point, Holder & Pin only. No bolts/u-bolts.

\$100 - \$155 +GST

SEE PAGES 29-30
FOR POINT OPTIONS,
PART #'S & PRICING



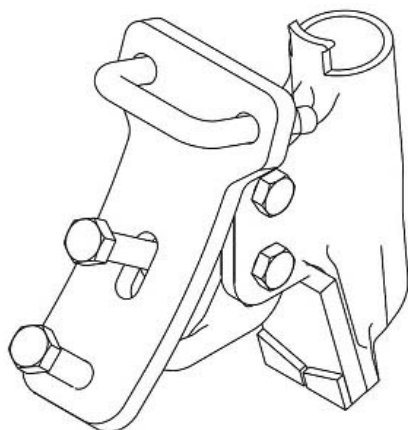
Tyne bolts to be ordered separately if required, as these vary depending on seeding boot type and machine/tyne specifications. Contact Agmaster if you require assistance.

NT11 BOOT & BRACKET KITS (NO POINT)

Included: All parts pictured including fasteners.

\$130 - \$245 +GST

SEE PAGES 29-30
FOR BOOT OPTIONS,
PART #'S & PRICING



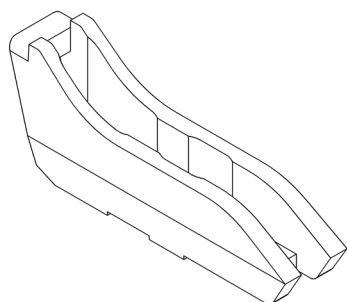
These assemblies suit the NT11 Points and Holders but can be adapted to suit NT19 Adjusta-Points & Holders if required. The range of NT11 Boots (pictured page 28 or 31) are available as a Boot & Bracket kit.

Hose Pipe: All boots are 38mm ID at top. Cast boots (BT2540/ BT2550) taper down to 32mm ID to suit narrower hose sizes

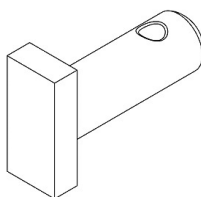
FOR REPLACEMENT PARTS FOR THESE
KITS PLEASE REFER TO PAGE 33

NT11 REPLACEMENT PARTS

NT11 Point Holders & Retaining Pins



Fits NT11 Points (P32), NT11 Sweep Adaptors (P38) and NT09 Points (pg 40)



Holder for Points PT1120 – PT1190 and PT1962 – PT1964 as well as Sweep Adaptors

		Exc	Inc
HL1100	Point Holder ½" x 1¾" & 2¼" bolt centres For tynes with either 1¾" (44.5mm) or 2¼" (57mm) bolt centres and ½" holes e.g. Flexicoil 350lb reamed out to ½" holes, Morris 400lb, Bourgault, Ezee-on, Flexicoil 550lb, John Deere 1610/1830, Horwood Bagshaw, Gason Scari and similar	\$20.00	\$22.00
HL1110	Point Holder 7/16" x 1¾" bolt centres (12mm x 44.5mm) For Flexicoil 350lb, Gason 5100 2 bolt tyne and similar	\$20.00	\$22.00
HLT1100	Includes HL1100 and Retainer Pin (TSP)	\$21.00	\$23.10
HLT1110	Includes HL1110 and Retainer Pin (TSP)	\$21.00	\$23.10
TSP	Pin 'T' Diameter 10mm + Pin Split 4 x 25mm	\$1.60	\$1.76
TP1180	Pin 'T' Diameter 10mm	\$1.50	\$1.65
PI425S	Pin Split 4 x 25mm	\$0.25	\$0.28

Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers, calculations and prices.

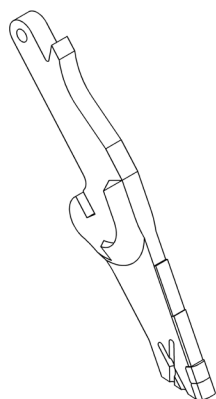
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NT11 REPLACEMENT PARTS

Points – Cast Mild Steel

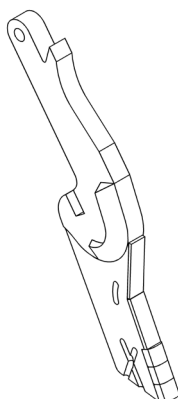
Standard Points (Non-Liquid)

PT1120



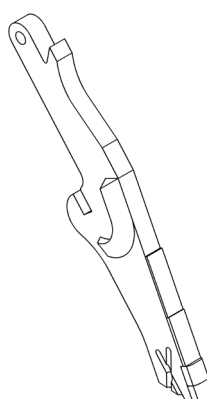
NT11 Point
12mm
Standard
(12)

PT1140



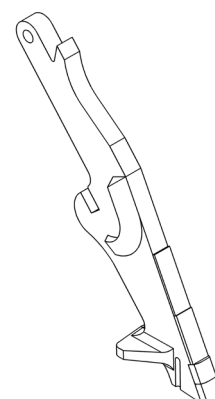
NT11 Point
14mm
Lo-Thro
(14)

PT1160



NT11 Point
16mm
Standard
(16)

PT1130

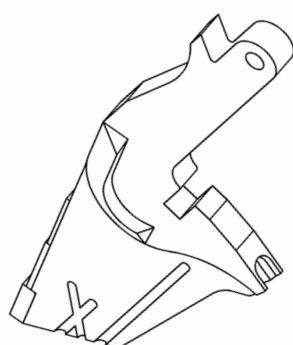


NT11 Point
16mm
Winged
(13)

		Exc	Inc
PT1120	12mm Knife	\$ 80.00	\$ 88.00
PT1120R	12mm Knife – Red for rocky conditions	\$ 80.00	\$ 88.00
PT1140	14mm Lo Thro knife	\$ 95.00	\$104.50
PT1160	16mm Knife	\$ 95.00	\$104.50
PT1160R	16mm Knife – Red for rocky conditions	\$ 95.00	\$104.50
PT1130	16mm Winged	\$135.00	\$148.50

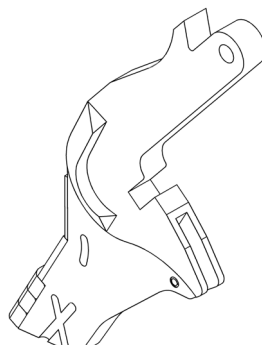
Liquid Fertiliser Points

PT1150



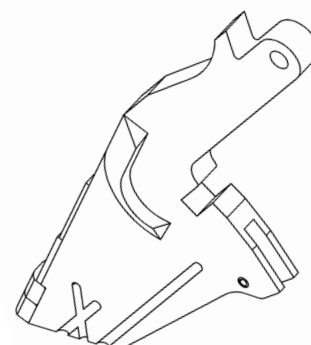
NT11 Point
12mm
Liquid
(15)

PT1170



NT11 Point
14mm
Lo-Thro Liquid
(17)

PT1190

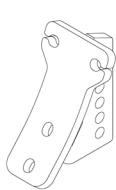


NT11 Point
16mm
Liquid
(19)

		Exc	Inc
PT1150	12mm Liquid Fertiliser Point	\$110.00	\$121.00
PT1170	14mm Lo Thro Liquid Fertiliser Point	\$125.00	\$137.50
PT1190	16mm Liquid Fertiliser Point	\$125.00	\$137.50

FOR REPLACEMENT POINT HOLDER FOR THESE POINTS PLEASE REFER TO PAGE 31

NT11 BRACKETS



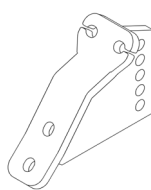
BR2010
BR2030



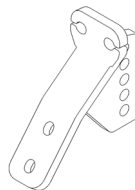
BR2040



BR2050



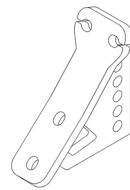
BR2060



BR2070



BR2080



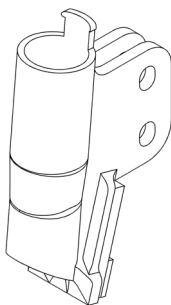
BR2090

				Exc	Inc
BR2010	***	Bracket	½" x 1 ¾" bolt hole spacings	\$ 55.00	\$ 60.50
<i>Flat C-Shank tynes with ½" x 1 ¾" e.g. Morris 400lb, Flexicoil 350lb, Bourgault, Ezee-On, Horwood Bagshaw C-Shank</i>					
BR2030	***	Bracket	½" x 2 ¼" bolt hole spacings	\$ 55.00	\$ 60.50
<i>Flat C-Shank tynes with ½" x 2 ¼" e.g. Morris 650lb, Flexicoil 550/650lb, John Deere 1810-1830</i>					
BR2040	****	Bracket	AFM 340 Edge-on	\$ 55.00	\$ 60.50
BR2050	****	Bracket	Forwood Delta Edge-on	\$ 55.00	\$ 60.50
BR2060	****	Bracket	Flexicoil Edge-on	\$ 55.00	\$ 60.50
BR2070	****	Bracket	Gason 5100 Edge-on	\$ 55.00	\$ 60.50
BR2080	****	Bracket	Gason Scari Edge-on	\$ 55.00	\$ 60.50
BR2090	****	Bracket	Horwood Bagshaw Edge-On Scari Bar	\$ 55.00	\$ 60.50
BR2110	****	Bracket	Simplicity/Gason Hyd Edge-on	\$ 55.00	\$ 60.50

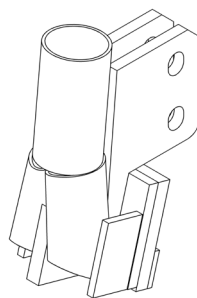
*** Uses UBN2001 - U-Bolt M12, 65 x 52, with Nuts & Washers

**** Uses UBN2002 - U-Bolt M12, 90 x 30, with Nuts & Washers

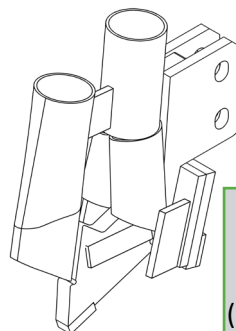
NT11 REPLACEMENT BOOTS



BT2540/BT2550



BT2370



BT2390

Hose Pipe:
All boots are 38mm ID at top. Cast boots (BT2540/BT2550) taper down to 32mm ID to suit narrower hose sizes

Wetter with Seed Option: Provision for liquid/wetter with the seed now comes standard on Single-Shoot Boots BT2540 & BT2550.

			Exc	Inc
BT2540	40mm Closer Single System recommended for use with 12mm Point		\$ 70.00	\$ 77.00
BT2550	50mm Closer Single System recommended for use with 16mm Point		\$ 70.00	\$ 77.00
BT2370	65mm Closer with 'Y' Tube		\$140.00	\$154.00
BT2380	65mm Closer with Side-by-Side Tubes		\$140.00	\$154.00
BT2390	65mm Closer Split System with 'Y' seed spreader at front and fertiliser tube following		\$185.00	\$203.50
BT2399	Split Fert Knife Weld-on		\$ 27.00	\$ 29.70
BT2398	Split Boot Side Pipe Protectors hardfaced.	per set	\$ 10.00	\$ 11.00
BNW122	½" x 2" Bolt, Nut & Washer for securing boot to bracket (2 required per boot)	each	\$ 3.00	\$ 3.30

FOR REPLACEMENT CLOSER PLATES FOR THESE BOOTS PLEASE REFER TO PAGE 41

NT11 POINT & FLEXIBOOT SEEDING KITS

SUITS: DOUBLE-BOLT C-SHANK TYNES WITH (EXAMPLES LISTED ON PAGE 36)

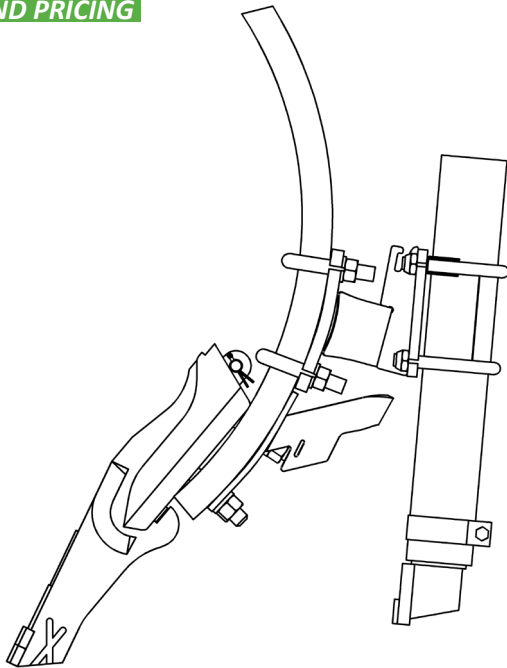
- *Seven NT11 Point styles with a mixture of Straight or Lo-Thro profiles and Standard or Liquid options
- * Height-adjustable flexible boot made from hydraulic hose and inner spring
- *40mm or 50mm closer plate options (40mm is the standard recommendation)
- * Option for liquid in knife point slot (using modified liquid kit [P39](#))
- * Accessories such as Sweep Adaptors & Trashguards available ([P38](#))
- *Single or Dual Shoot

NT11 FLEXIBOOT

Included: All parts pictured, including fasteners.

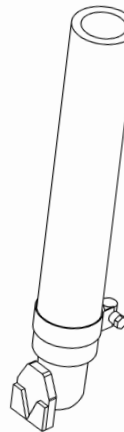
\$315 - \$370 +GST

SEE PAGE 36
FOR PART #'S
AND PRICING



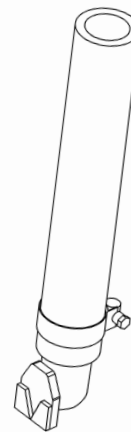
BOOT OPTIONS

FB2840



Flexiboot with 40mm Closer
Recommended width

FB2850



Flexiboot with 50mm Closer

Hose Pipe
38mm ID

POINT OPTIONS FOR NT11 FLEXI-BOOT KITS

- *Three widths; 12mm & 16mm Straight or 14mm Lo-Thro profiles
- *Liquid or Standard available in all widths of the Straight & Lo-Thro profiles
- * **Soft Point Option:** A softer tip on the points for extremely rocky conditions is available for kits with PT1120 and PT1160 points. These are identified by the point being painted. There is no price difference for "Red" points.
- *16mm Winged option

PT1120

***PT1150**

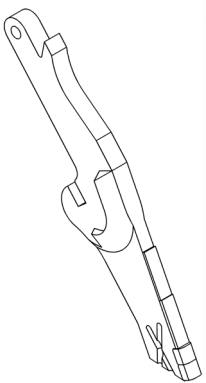
PT1140

***PT1170**

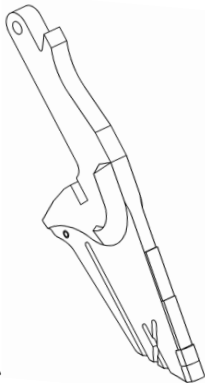
PT1160

***PT1190**

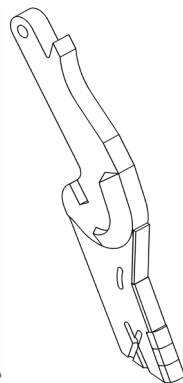
PT1130



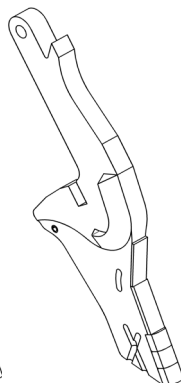
12mm
Straight
Standard



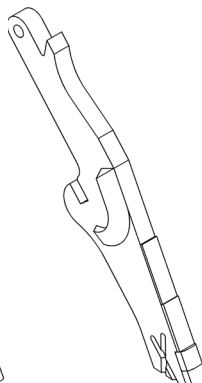
12mm
Straight
Liquid



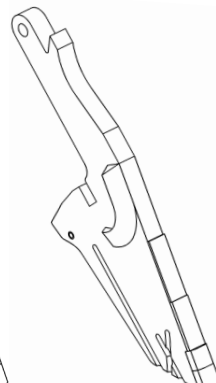
14mm
Lo-Thro
Standard



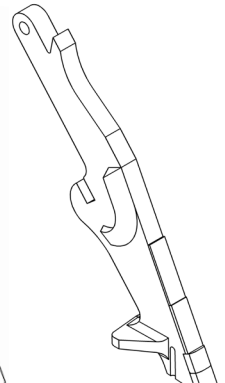
14mm
Lo-Thro
Liquid



16mm
Straight
Standard



16mm
Straight
Liquid



16mm
Winged
Standard

*** PLEASE NOTE:** Liquid point kits do not include parts for directing liquid to back of point. Our liquid kits have been designed for use with NT19/NT11 Rigid Boots but some users have modified them to suit Flexiboots in the past. [See page 39 for liquid kits and contact Agmaster for more information if required.](#)

NT11 FRONT OR BACK OF TYNE FLEXIBOOT KITS

SUITS: DOUBLE-BOLT C-SHANK AND EDGE-ON TYNES (EXAMPLES LISTED PAGE 36)

- * Back-of-tyne assembly *40mm or 50mm closer plate options (40mm is the standard recommendation)
- * Height-adjustable flexible boot made from hydraulic hose and inner spring *Single or Dual Shoot

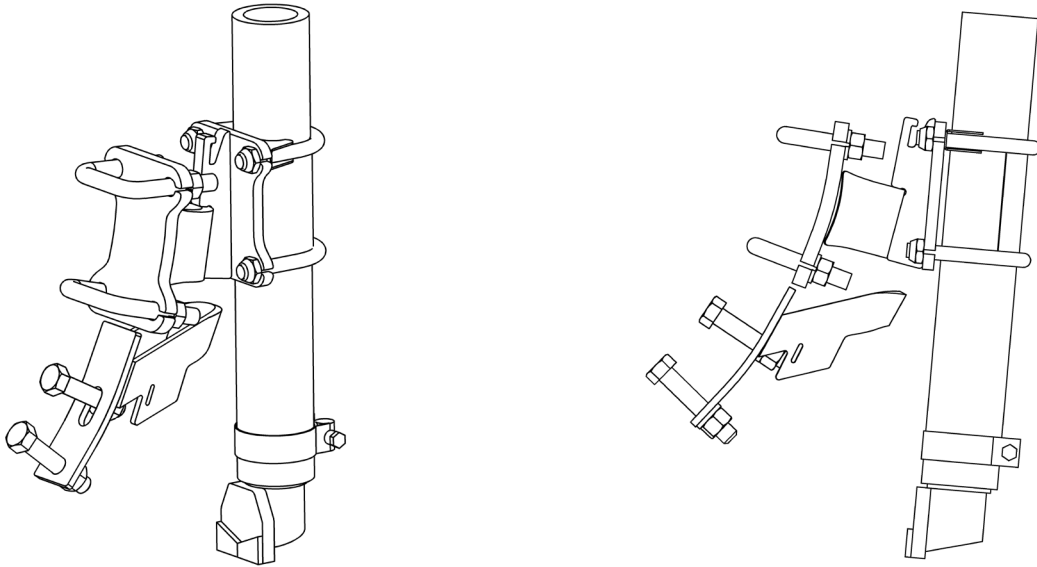
NT11 FLEXIBOOT & BRACKET KIT

Included: All parts pictured, including trashguard & fasteners.

\$215 +GST

SEE PAGE 36 FOR
PART #'S

Hose Pipe
38mm ID



NT11 FRONT OF TYNE KITS

SUITS: DOUBLE-BOLT C-SHANK AND EDGE-ON TYNES (EXAMPLES LISTED PAGE 36)

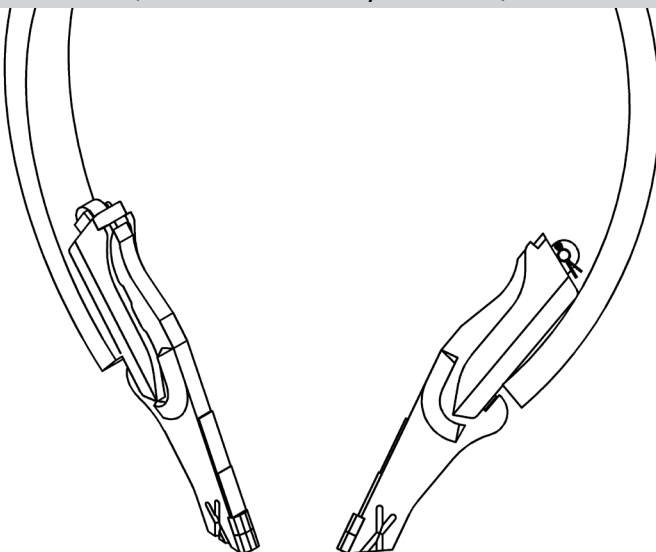
- * Front-of-tyne assembly *Seven NT11 point options *Compatible with full Agmaster Seeding Boot range

NT11 POINT & HOLDER KITS (NO BOOT)

Included: Point, Holder & Pin only. No bolts/u-bolts.

\$100 - \$155 +GST

SEE PAGES 34 & 36
FOR POINT OPTIONS,
PART #'S & PRICING



Tyne bolts to be ordered separately if required, as these vary depending on seeding boot type and machine/tyne specifications. Contact Agmaster if you require assistance.

SEE PAGES 31 - 32 FOR REPLACEMENT POINTS, HOLDERS & PINS

NT11 FLEXIBOOT SEEDING KITS PRICE & PART NUMBERS MATRIX

INSTRUCTIONS:

1. Identify "Tyne Class" relevant to your machine/tyne
2. Select Point from left column

3. Select boot/closer from top row

4. Find part number & price relevant to your tyne class where your point & boot choice intersect

C-SHANK TYNE CLASS 1:	Standard C-Shank tynes with 1/2" bolt holes & 1 3/4" spacings <i>Examples:</i> Morris 400lb, Flexicoil 350lb (holes reamed to 1/2"), Bourgault, Ezee-On, Horwood Bagshaw C-Shank, Shearer
C-SHANK TYNE CLASS 2:	Standard C-Shank tynes with 7/16" bolt holes & 1 3/4" spacings <i>Example:</i> Flexicoil 350lb (original un-reamed tyne bolt holes)
C-SHANK TYNE CLASS 3:	Standard C-Shank tynes with 7/16" bolt holes & 2 1/4" spacings <i>Examples:</i> Morris 650lb/Hydraulic, John Deere 1810-1830, Flexicoil 550lb/650lb/Hydraulic
EDGE-ON TYNE CLASS 4:	Edge-On tynes (wide foot with narrow shank) with 1/2" bolt holes Horwood Bagshaw ScariBar, Gason Scari/Hydra Till & Simplicity

FOR TYNES NOT LISTED UNDER ANY OF THE FOUR CLASSIFICATIONS, PLEASE CONTACT AGMASTER

		FLEXIBOOT BOOT & BRACKET		POINT & HOLDER	
		FB2840 40mm Closer (recommended)	FB2850 50mm Closer	NO BOOT NT19 Point & Holder Kits include pins but no bolts	
BOOTS Flexi Boot Options 					
	PT1120 12mm Straight Standard	C-SHANK #1	PHB127184	PHB127185	PTH1210
		C-SHANK #2	PHB127284	PHB127285	PTH1211
		C-SHANK #3	PHB127384	PHB127385	PTH1210
		EDGE-ON #4	PHB127484	PHB127485	PTH1210
	PT1150 12mm Straight Liquid	C-SHANK #1	PHB157184	PHB157185	PTH1510
		C-SHANK #2	PHB157284	PHB157285	PTH1511
		C-SHANK #3	PHB157384	PHB157385	PTH1510
		EDGE-ON #4	PHB157484	PHB157485	PTH1510
	PT1140 14mm Lo-Thro Standard	C-SHANK #1	PHB147184	PHB147185	PTH1410
		C-SHANK #2	PHB147284	PHB147285	PTH1411
		C-SHANK #3	PHB147384	PHB147385	PTH1410
		EDGE-ON #4	PHB147484	PHB147485	PTH1410
	PT1170 14mm Lo-Thro Liquid	C-SHANK #1	PHB177184	PHB177185	PTH1710
		C-SHANK #2	PHB177284	PHB177285	PTH1711
		C-SHANK #3	PHB177384	PHB177385	PTH1710
		EDGE-ON #4	PHB177484	PHB177485	PTH1710
	PT1160 16mm Straight Standard	C-SHANK #1	PHB167184	PHB167185	PTH1610
		C-SHANK #2	PHB167284	PHB167285	PTH1611
		C-SHANK #3	PHB167384	PHB167385	PTH1610
		EDGE-ON #4	PHB167484	PHB167485	PTH1610
	PT1190 16mm Straight Liquid	C-SHANK #1	PHB197184	PHB197185	PTH1910
		C-SHANK #2	PHB197284	PHB197285	PTH1911
		C-SHANK #3	PHB197384	PHB197385	PTH1910
		EDGE-ON #4	PHB197484	PHB197485	PTH1910
	PT1130 16mm Winged	C-SHANK #1	PHB137184	PHB137185	PTH1310
		C-SHANK #2	PHB137284	PHB137285	PTH1311
		C-SHANK #3	PHB137384	PHB137385	PTH1310
		EDGE-ON #4	PHB137484	PHB137485	PTH1310
NO POINT NT11 Flexiboot kits are designed to fit with NT11 Point & Holders but can be adapted to NT19 Adjusta-Points		C-SHANK #1	BRB7184	BRB7185	*TO ADD "RED" SOFT POINT OPTION AS EXPLAINED ON P26 FOR PT1120 OR PT1160, ADD THE LETTER "R" TO END OF KIT PART #
		C-SHANK #2	BRB7284	BRB7285	
		C-SHANK #3	BRB7384	BRB7385	
		EDGE-ON #4	BRB7484	BRB7485	

NT11 FLEXI BOOT REPLACEMENT PARTS

Flexi Boots



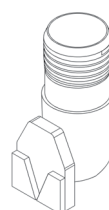
FB2840
FB2850



FB2870



HC52T



FB2834
FB2835



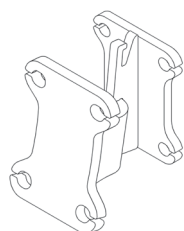
CL2844
CL2845



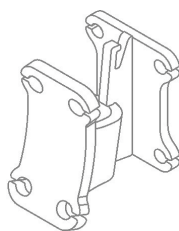
SP2880

		Exc	Inc
FB2870	Flexi Boot hose 340mm long	\$35.00	\$ 38.50
HC52T	Hose Clamp	\$ 5.50	\$ 6.05
FB2840	Flexi Boot 40mm Closer – Inc SP2880	\$100.00	\$110.00
FB2850	Flexi Boot 50mm Closer – Inc SP2880	\$100.00	\$110.00
FB2834	Hose Insert with 40mm Closer	\$ 55.00	\$ 60.50
FB2835	Hose Insert with 50mm Closer	\$ 55.00	\$ 60.50
CL2844	Closer Plate, weld-on, 40mm wide	\$ 30.00	\$ 33.00
CL2845	Closer Plate, weld-on, 50mm wide	\$ 30.00	\$ 33.00
SP2880	Spring Inner 200 x 37	\$ 10.00	\$ 11.00

Flexi Boot Brackets



FB2710



FB2740



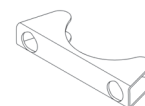
FBH2800



HC2145



FB2810



FB2820

		Exc	Inc
FB2710	*** Suits two bolt flat tynes	\$65.00	\$71.50
FB2740	**** Suits two bolt edge-on tynes	\$65.00	\$71.50
FBH2800	Hose support bracket with hose clamp (HC2145)	\$26.00	\$28.60
HC2145	Hose Clamp 21-45mm (for fertiliser tube)	\$ 3.20	\$ 3.52
FB2810	Support Saddle	\$ 7.00	\$ 7.70
FB2820	Grip Clamp	\$ 7.00	\$ 7.70
UBN2007	M10 U-Bolt to clamp hose to bracket	\$ 5.00	\$ 5.50

*** Uses UBN2001 – U-Bolt M12, 65 x 52, with Nuts & Washers

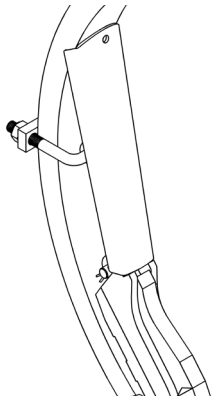
**** Uses UBN2002 – U-Bolt M12, 90 x 30, with Nuts & Washers

FOR REPLACEMENT POINTS & HOLDERS PLEASE REFER TO PAGES 31-32

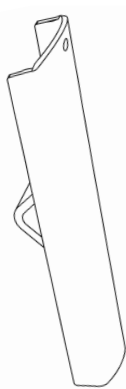
NT11 OPTIONAL EXTRAS

Trashguard Kits & Parts

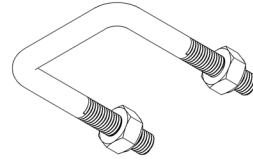
Will only fit up to NT11 series holders and PT1580 Bolt on Points on double hole tynes



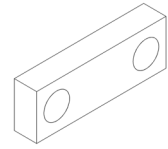
TGU1170
TGU1177



TG1170



UBN1003
UBN1004

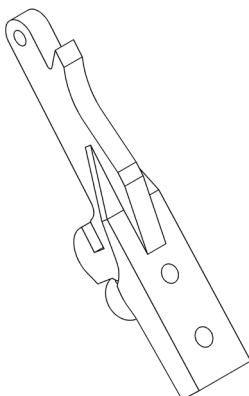


TG1173
TG1175

		Exc	Inc
TGU1170	Trashguard, U-Bolt and Lug Kit – Flat-on Tynes	\$41.00	\$45.10
TGU1177	Trashguard, U-Bolt and Lug Kit– Edge-on Tynes	\$41.00	\$45.10
PLEASE NOTE: These Trashguards do not fit the Gason Hydratill Edge-On tyn. Agmaster suggests ordering a sample to see if any modifications can be made to make it fit this tyn before a full set is ordered.			
TG1170	NT11 Trashguard	\$30.00	\$33.00
UBN1003	U Bolt M10 75 x 52 with nuts – for Flat on Tynes	\$ 5.00	\$ 5.50
UBN1004	U Bolt M10 110 x 30 with nuts – for Edge on Tynes	\$ 5.00	\$ 5.50
TG1175	U Bolt Lug to suit UB1003	\$ 6.00	\$ 6.60
TG1173	U Bolt Lug to suit UB1004	\$ 6.00	\$ 6.60

Sweep Adaptors

Uses retaining pin to secure into Point Holder (page 40)

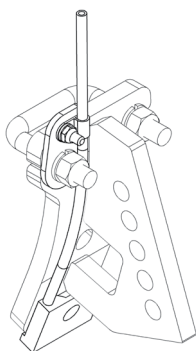


		Exc	Inc
SW1210	Sweep Adaptor ½" x 1¾" bolt centre (12.7mm x 44.5mm)	\$32.00	\$35.20
SW1220	Sweep Adaptor ½" x 2¼" bolt centre (12.7mm x 57mm)	\$32.00	\$35.20
SW1270	Sweep Adaptor 7/16" x 1¾" bolt centre (11.5mm x 44.5mm)	\$32.00	\$35.20

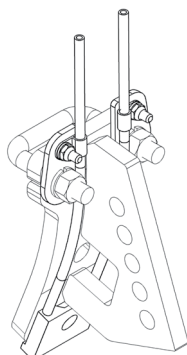
Depending on Point or Wedge thickness, 2 different length plough bolts are required (Agmaster does not supply)
Sweep adaptor thickness is ~55mm and ~26mm around the bolt holes

NT11 Liquid Kits

Liquid Kits piggy back the bracket of the NT11 Rigid Boot & Bracket Kits



LIQUID KIT SINGLE



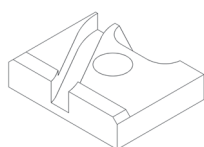
LIQUID KIT DOUBLE

	Exc	Inc
Liquid Kit – Single	\$39.00	\$42.90
Liquid Kit – Double	\$60.00	\$66.00

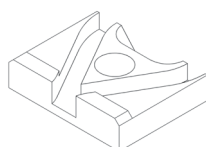
LFK51	NT19/NT11 Liquid Fertiliser Kit – Single to take flexible 3mm tube with 6mm casing
LFK52	NT19/NT11 Liquid Fertiliser Kit – Double to take flexible 3mm tube with 6mm casing
LFK53	NT19/NT11 Liquid Fertiliser Kit – Single to take 4-6mm flexible tube with 10mm casing
LFK54	NT19/NT11 Liquid Fertiliser Kit – Double to take 4-6mm flexible tube with 10mm casing

PLEASE NOTE: Our liquid kits have been designed for use with NT19/NT11 Rigid Boots but some users have modified them to suit Flexi-Boots in the past. **Contact Agmaster for more information if required.**

NT11 Liquid Kit Parts



LF2510
LF2530



LF2520
LF2540



LF2550



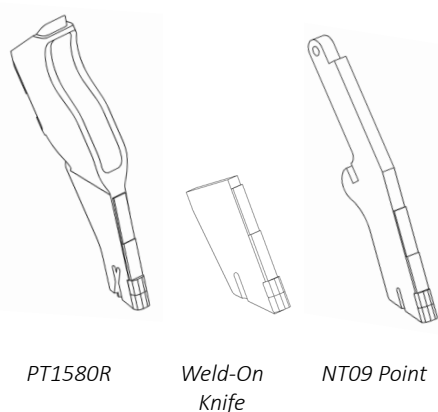
LF2570
LF2580



PC6S
PC10S

		Exc	Inc
LF2510	Liquid Fertiliser Clamp Plate – Single – suit 3mm tube/6mm casing	\$20.00	\$22.00
LF2520	Liquid Fertiliser Clamp Plate – Double – suit 3mm tube/6mm casing	\$22.00	\$24.20
LF2530	Liquid Fertiliser Clamp Plate – Single – suit 4-6mm tube/10mm casing	\$20.00	\$22.00
LF2540	Liquid Fertiliser Clamp Plate – Double – suit 4-6mm tube/10mm casing	\$22.00	\$24.20
LF2550	Liquid Fertiliser 'P' Clamp Lug	\$ 8.00	\$ 8.80
LF2570	Liquid Fertiliser casing 6mm Shaped – to suit 3mm tube	\$ 9.00	\$ 9.90
LF2580	Liquid Fertiliser casing 10mm Shaped – to suit 4-6mm tube	\$ 9.00	\$ 9.90
PC6S	P Clamp 6mm Stainless Steel	\$ 2.00	\$ 2.20
PC10S	P Clamp 10mm Stainless Steel	\$ 2.00	\$ 2.20
BON6M16S	Bolt 6mm x 16mm Stainless Steel and Nyloc Nut	\$ 0.70	\$ 0.77

NT05 & NT09 Points



NT09 Series – Cut From Plate. Fits NT11 Holder

	Exc	Inc
PT1962 - 16mm thick, 30mm shorter	\$ 95.00	\$104.50
PT1963 - 16mm thick, 20mm longer (obsolete when stock exhausted)	\$110.00	\$121.00
PT1964 - 16mm thick, 40mm longer	\$115.00	\$126.50

Weld-on Knives - For Self-Repair of NT09 Series Points

PT1930	Weld On 12mm	\$ 75.00	\$ 82.50
PT1940	Weld On 16mm	\$ 85.00	\$93.50

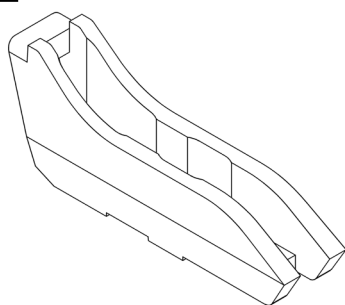
NT05 Series – 16mm Points - Double Hole Bolt on points

	Exc	Inc
PT1580R *** or **** To suit all tynes with ½" holes (only available in Red Soft Tip)	\$120.00	\$132.00

*** Uses ½" x 3" Bolt & Nut (Part No. BNW123) through the tyne

**** Uses ½" x 2½" Bolt & Nut (Part No BNW12212) through the tyne

Point Holders



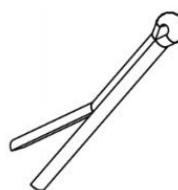
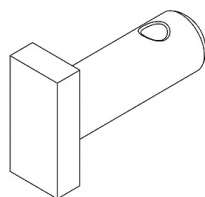
	Exc	Inc
HL1100	\$20.00	\$22.00
HL1110	\$20.00	\$22.00
HLT1100	\$21.00	\$23.10
HLT1110	\$21.00	\$23.10

Holder for Points PT1120 – PT1190 and PT1962 – PT1964 as well as Sweep Adaptors

HL1100	Point Holder ½" x 1¾" & 2¼" bolt centres For tynes with either 1¾" (44.5mm) or 2¼" (57mm) bolt centres and ½" holes e.g. Flexicoil 350lb reamed out to ½" holes, Morris 400lb, Bourgault, Ezee-On, Flexicoil 550lb, John Deere, John Shearer, Horwood Bagshaw, Gason Scari and similar
HL1110	Point Holder 7/16" x 1¾" bolt centres (12mm x 44.5mm) For Flexicoil 350lb, Gason 5100 2 bolt tyne and similar
HLT1100	Includes HL1100 and Retainer Pin (TSP)
HLT1110	Includes HL1110 and Retainer Pin (TSP)

Retainer Pins

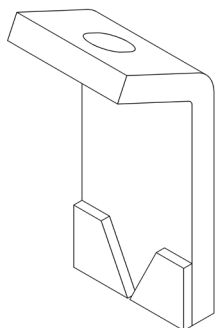
Fit series NT09 & NT11 Points & Sweep Adaptors



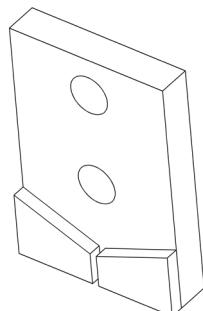
	Exc	Inc
TSP	Pin 'T' Diameter 10mm + Pin Split 4 x 25mm	\$1.60 \$1.76
TP1180	Pin 'T' Diameter 10mm	\$1.50 \$1.65
PI425S	Pin Split 4 x 25mm	\$0.25 \$0.28

REPLACEMENT CLOSER PLATES

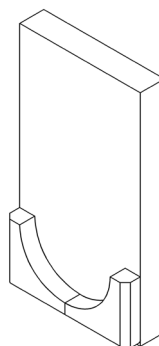
All closers have tungsten carbide corners unless noted 'hard face weld'.



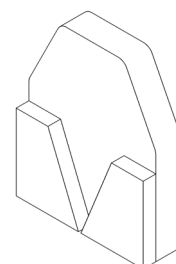
NT03 40mm



NT07 Series



**NT19/NT11/09/08
Rigid Boots**



Flexi Boots

NT03 Series

CL2440 40mm wide (*obsolete when stock exhausted*)

Exc	Inc
\$30.00	\$33.00

NT07 Series

CL2474 40mm wide (*obsolete when stock exhausted*)

\$30.00	\$33.00
---------	---------

NT 11/09/08 Series – Weld on

CL2494* 40mm wide

\$30.00	\$33.00
---------	---------

CL2494HF* 40mm wide with hard face weld

\$20.00	\$22.00
---------	---------

CL2495* 50mm wide

\$30.00	\$33.00
---------	---------

CL2495HF* 50mm wide with hard face weld

\$20.00	\$22.00
---------	---------

CL2496 65mm wide

\$30.00	\$33.00
---------	---------

CL2496HF 65mm wide with hard face weld

\$23.00	\$25.30
---------	---------

****If welding closers to Cast Boot BT2540/50 recommend to use Stainless electrode Gr 309***

Flexi Boots – Weld on

CL2844 40mm wide

\$30.00	\$33.00
---------	---------

CL2845 50mm wide

\$30.00	\$33.00
---------	---------

NT08 POINT & BOOT KITS

SUITS: *ALFARM 530/630 *NAPIER GRASSLANDS *FORWARD/CHAMBERLAIN 275/746/753/853
 *SHEARER 580/620 *JOHN DEERE SCARIFIER *FORWARD SCARIFIER*INTERNATIONAL SCARIFIER
 *CHAMBERLAIN TERRAMASTER

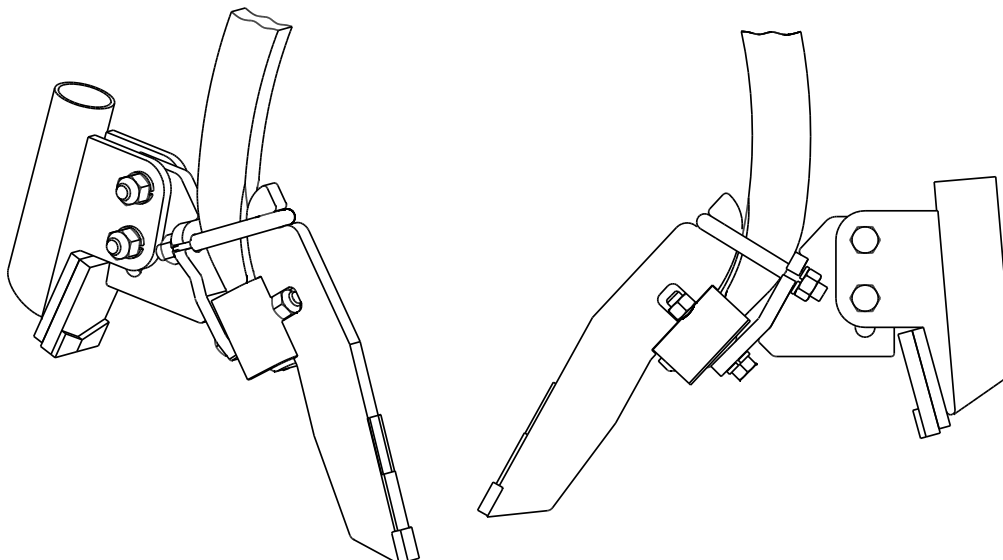
NT08 series Kits are for Single Bolt tynes and include Point, Boot, Bracket, Bolt & Nuts. These Kits are standard with 12mm Point and 40mm Closer Plate on Single System Boot but has the option of other Boots. (See Page 45)

NT08 RIGID BOOT

Included: All parts pictured including fasteners.

\$210 - \$340 +GST

SEE PAGE 44
 FOR PART #'S
 AND PRICING



Prices NT08 Point & Boot Kit

	Exc	Incl
Standard Kit	\$190.00	\$209.10

Contact Agmaster to order kits with alternative boot option to standard BT2540 Single Shoot w 40mm closer

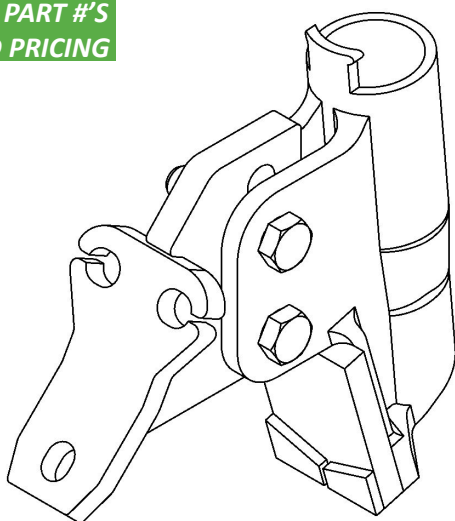
Soft Tip Option: A softer tip on the point for extremely rocky conditions is available for NT08 Kits identified above with #. These are identified by the point being painted **Red**. To order this option an "R" needs to be added to the part number. There is no price difference for "Red" points.

NT08 BOOT & BRACKET KITS (NO POINT)

Included: All parts pictured and u-bolt.

\$125 +GST

SEE PAGE 44
 FOR PART #'S
 AND PRICING

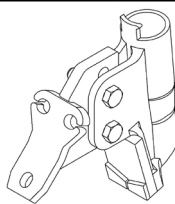
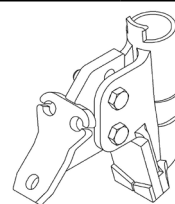
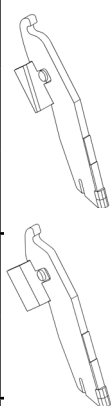


These assemblies suit the NT08 bolt-on points for tynes listed above. These assemblies include bracket, boot, u-bolt and all bolts and nuts.

Hose Pipe: Cast boots (BT2540/BT2550) are 38mm ID at top and taper down to 32mm ID to suit narrower hose sizes

FOR REPLACEMENT PARTS FOR THESE KITS PLEASE REFER TO PAGES 44-45

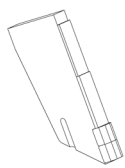
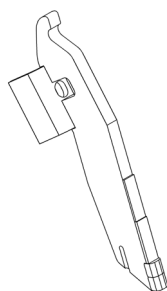
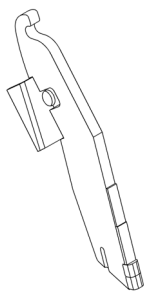
NT08 POINT & BOOT SEEDING KITS PRICE & PART NUMBERS MATRIX

INSTRUCTIONS:			3. Find part number and price where your machine row and boot option column intersect			
1. Identify Machine FROM COLUMN BELOW						
2. Select BOOT/CLOSER FROM TOP ROW						
FOR MACHINES NOT LISTED, PLEASE CONTACT AGMASTER						
BOOTS			SINGLE-SHOOT RIGID BOOT OPTIONS			
Single-Shoot Rigid Boot Options  POINTS/MACHINES NT08 Knife Points			BT2540 40mm Closer (recommended)		BT2550 50mm Closer	
						
	PT1810 12mm	ALFARM 530/630	PBB812154	\$210 +GST	PBB812155	\$210 +GST
	PT1820 12mm	FORWARD/CHAMBERLAIN 275/746/753/853	PBB822254	\$210 +GST	PBB822255	\$210 +GST
	PT1840 12mm	SHEARER 580/620	PBB842454	\$210 +GST	PBB842455	\$210 +GST
	PT1860 12mm	SCARIFIERS (JOHN DEERE/ FORWARD/ INTERNATIONAL) CHAMBERLAIN TERRAMASTER	PBB862654	\$210 +GST	PBB862655	\$210 +GST
	PT1865 16mm		PBB8652654	\$225 +GST	PBB8652655	\$225 +GST
NO POINT NT08 Rigid Boot kits are designed to fit with NT08 Points. All fasteners included		ALFARM	BRB2154	\$125 +GST	BRB2155	\$125 +GST
		FORWARD/CHAMBERLAIN	BRB2254		BRB2255	
		SHEARER	BRB2454		BRB2455	
		SCARIFIERS/CHAMBERLAIN TMASTER	BRB2654		BRB2655	

NT08 SEEDING KIT REPLACEMENT PARTS

Points (Fabricated)

NT08 Series – 12mm Points - Uses M12 U-Bolt to secure top of point



Weld On Knife

Soft Tip Option: Points marked with # can be ordered with a softer tip for extremely rocky conditions. These are identified by the point being painted Red. To order, added the letter "R" to the part number. There is no price difference for Red points.

				Exc	Inc
PT1810	#	*	Alfarm 530 / 630, Napier Grasslands	\$ 85.00	\$ 93.50
PT1820	#	*	Forward/Chamberlain 275 / 753 / 746 / 853	\$ 85.00	\$ 93.50
PT1830		*	Gason Round Shoe (<i>Obsolete after stock exhausted</i>)	\$ 85.00	\$ 93.50
PT1840	#	*	Shearer 580 / 620	\$ 85.00	\$ 93.50
PT1850		**	Connorshea Scari (<i>Obsolete after stock exhausted</i>)	\$ 85.00	\$ 93.50
PT1860	#	**	John Deere / International Scari / Chamberlain Terramaster	\$ 85.00	\$ 93.50
PT1865	#	**	John Deere / International Scari / Chamberlain Terramaster - 16mm	\$100.00	\$110.00
PT1890	#	***	HBSTM 16mm (<i>Obsolete after stock exhausted</i>)	\$115.00	\$126.50
PT1930	#		Weld On 12mm knife for self-repair	\$ 75.00	\$ 82.50

Bolts & U-bolts:

* Uses 7/16" x 2 1/2" Bolt & Nut (Part # BNW716212) through the tyne + 1x U-bolt & Nuts (Part # UBN2004)

** Uses 1/2" x 2 1/4" Bolt & Nut (Part No. BNW12214) through the tyne + 1x U-bolt & Nuts (Part # UBN2003)

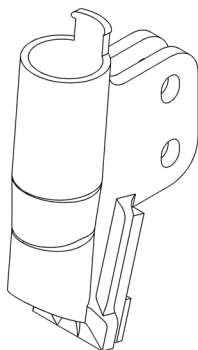
*** Uses 9/16" x 3" Bolt & Nut through the tyne (Agmaster does not stock)

44 Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers, calculations and prices.

www.agmaster.com.au

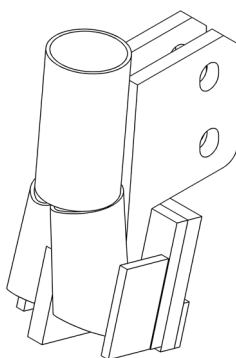
Replacement Boots

BT2540/BT2550



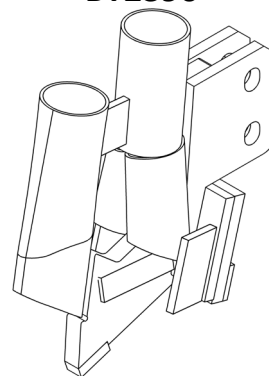
Standard Single-Shoot Boot
40 or 50mm Closer

BT2370



"Y" Tube Single-Shoot Boot
65mm Closer

BT2390



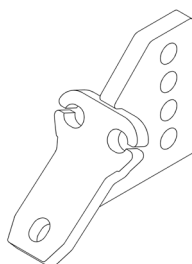
Dual Shoot Boot
65mm Closer

Wetter with Seed Option: Provision for liquid/wetter with the seed now comes standard on Single-Shoot Boots BT2540 & BT2550.

		Exc	Inc
BT2540	40mm Closer Single System recommended for use with 12mm Point	\$ 70.00	\$ 77.00
BT2550	50mm Closer Single System recommended for use with 16mm Point	\$ 70.00	\$ 77.00
BT2370	65mm Closer with 'Y' Tube	\$140.00	\$154.00
BT2380	65mm Closer with Side-by-Side Tubes	\$140.00	\$154.00
BT2390	65mm Closer Split System with 'Y' seed spreader at front and fertiliser tube following	\$185.00	\$203.50
BT2399	Split Fert Knife Weld-on	\$ 27.00	\$ 29.70
BT2398	Split Boot Side Pipe Protectors hardfaced.	per set \$ 5.00	\$ 5.50
BNW122	½" x 2" Bolt, Nut & Washer for securing boot to bracket (2 required per boot)	\$ 3.00	\$ 3.30

Hose Pipe: All boots are 38mm ID at top. Cast boots (BT2540/BT2550) taper down to 32mm ID to suit narrower hose sizes

Brackets



BR2210 – BR2270

			Exc	Inc
BR2210	*	Bracket	Alfarm 530 / 630	\$ 50.00 \$ 55.00
BR2220	*	Bracket	Forward/Chamberlain 270/ 753 /846 /853	\$ 50.00 \$ 55.00
BR2240	*	Bracket	Shearer 580 / 620	\$ 50.00 \$ 55.00
BR2250	**	Bracket	Connershea Scari	\$ 50.00 \$ 55.00
BR2260	**	Bracket	John Deere / International Scari	\$ 50.00 \$ 55.00
BR2270	**	Bracket	Shearer Scari	\$ 50.00 \$ 55.00

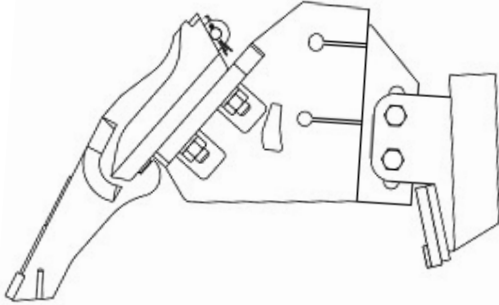
Bolts & U-bolts:

- * Uses 7/16" x 2½" Bolt & Nut (Part # BNW716212) through the tyne + 1x U-bolt & Nuts (Part # UBN2004)
- ** Uses ½" x 2¼" Bolt & Nut (Part No. BNW12214) through the tyne + 1x U-bolt & Nuts (Part # UBN2003)

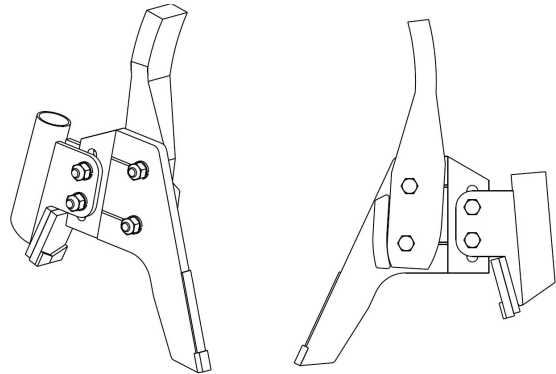
CONCORDE POINT & BOOT KITS

There are two options of kits for Concord Side-Mounted tynes:

The NT11 Converter Kit uses a bracket to allow NT11 points & boots to be mounted to it. This allows for a variety of NT11 slip-on points as options as well as NT11 boots. The NT05 Bolt-On kit has a 16mm single piece bolt-on point that is fixed directly to the tyne. An NT11 boot is then bolted to the back of the point.



NT11 Concorde Converter Kit



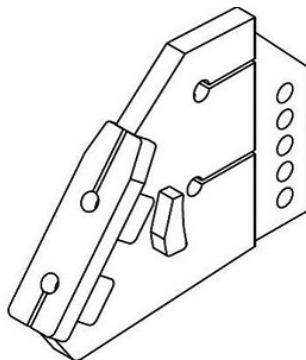
NT05 Bolt-On Kit

		Exc	Inc
PHB161655	NT11 16mm Concorde Converter Kit with 50mm Closer	\$285.00	\$313.50
PTB5655	NT05 16mm point, Concorde Bolt on Kit with 50mm Closer	\$230.00	\$253.00

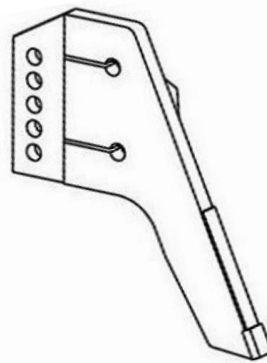
Soft Point Option: A softer tip on the points for extremely rocky conditions is available. These are identified by the point being painted **Red**. To order this option an "R" needs to be added to the part number.

Contact Agmaster to order kits with alternative boot option to standard
BT2550 Single Shoot w 50mm closer

Replacement Parts for Concorde Point & Boot Kits



BR2160



PT1560

		Exc	Inc
BR2160	Bracket Concorde Converter to NT11	\$100.00	\$110.00
PT1560	** NT05 Point Concorde Side Mount	\$160.00	\$176.00

** Uses ½" x 2¼" Bolt & Nut (Part No. BNW12214) through the tyne

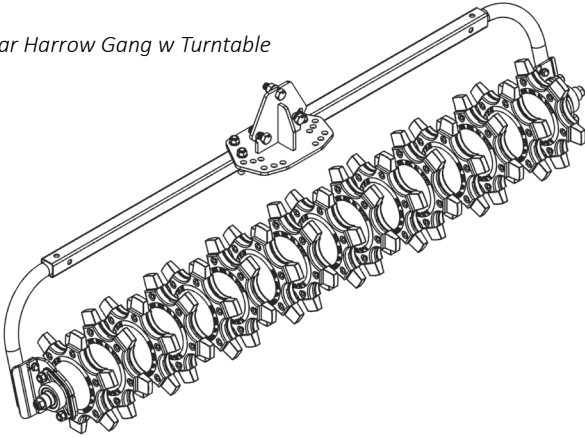
FOR REPLACEMENT POINTS, HOLDERS & BOOTS FOR NT11 KITS PLEASE REFER TO PAGES 31 - 33

HARROWS

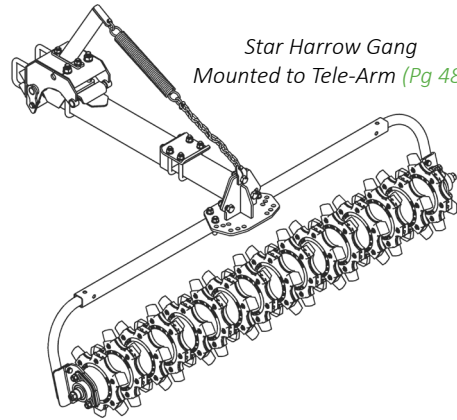
Star Harrow Gangs

The Rotary Star Harrows are available in 4ft, 5ft and 6ft coverage gangs. Each gang will cover its respective width at the maximum working angle (30°). In general, most harrows are set in mid range of adjustment for angle, hence there is usually ample to suit the required width of cover. 4ft and 5ft Gangs give a more even finish and 6ft gangs are recommended to be used only if necessary.

Star Harrow Gang w Turntable



Star Harrow Gang
Mounted to Tele-Arm (Pg 48)



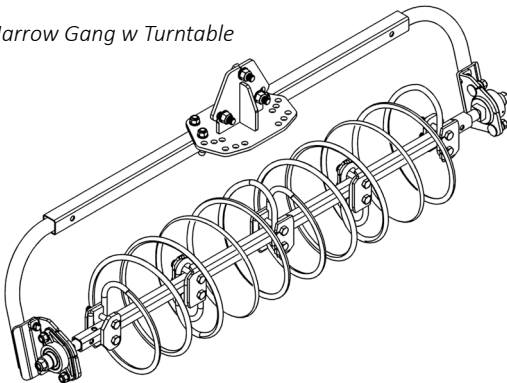
		Exc	Inc
HAT24	4ft Gang (HA3240 – 10 Stars) with Turntable	\$1650.00	\$1815.00
HAT25	5ft Gang (HA3250 – 13 Stars) with Turntable	\$1850.00	\$2035.00
HAT26	6ft Gang (HA3260 – 16 Stars) with Turntable	\$2050.00	\$2255.00

Order TAS-- Arms with these Harrows (page 48)

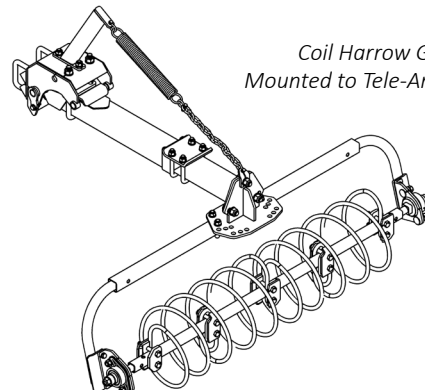
Coil Harrow Gangs

Coil Harrows are available in 4ft and 5ft coverage gangs

Coil Harrow Gang w Turntable



Coil Harrow Gang
Mounted to Tele-Arm (Pg 48)



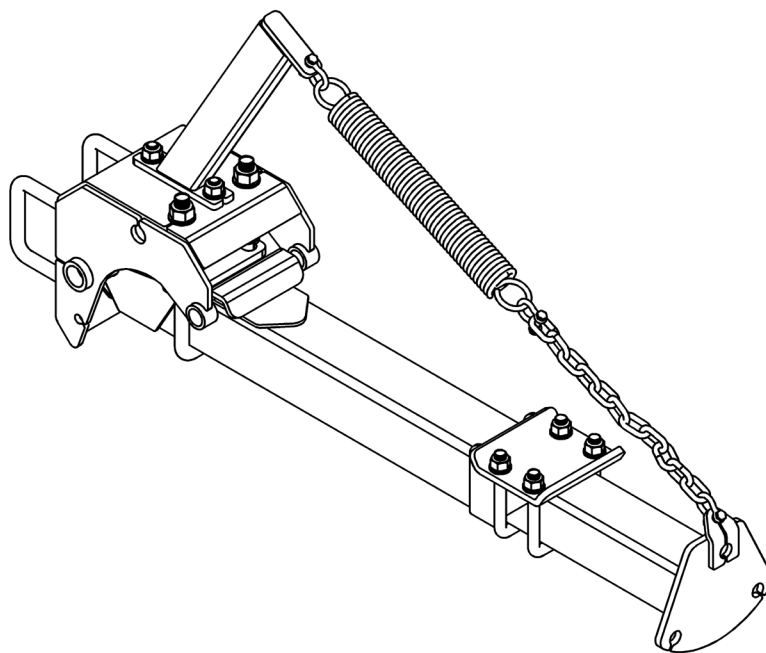
HAT74	4ft Gang (HA3740 – 3 springs) with Turntable	\$1550.00	\$1705.00
HAT75	5ft Gang (HA3750 – 4 springs) with Turntable	\$1750.00	\$1925.00

Order TAH-- Arms with these Harrows (page 48)

FOR REPLACEMENT PARTS FOR THESE GANGS PLEASE REFER TO PAGES 49 - 51

TELESCOPIC MOUNTING ARMS

Telescopic Harrow Arms come complete with spring kit on the top, bolts, nuts and backing plates to mount on the machine frame. One Arm required for each Harrow Gang.



Tele Arms to suit Star Harrows		Exc	Inc
TAS04	Telescopic Arm Kit to suit 100 x 100mm frame	\$1175.00	\$1292.50
TAS05	Telescopic Arm Kit to suit 75 x 75mm frame	\$1175.00	\$1292.50
TAS08	Telescopic Arm Kit to suit 75 x 75mm diamond frame (Shearer)	\$1175.00	\$1292.50
TAS00	Telescopic Arm Kit to bolt on behind Agmaster fixed extensions for Presswheels	\$1175.00	\$1292.50

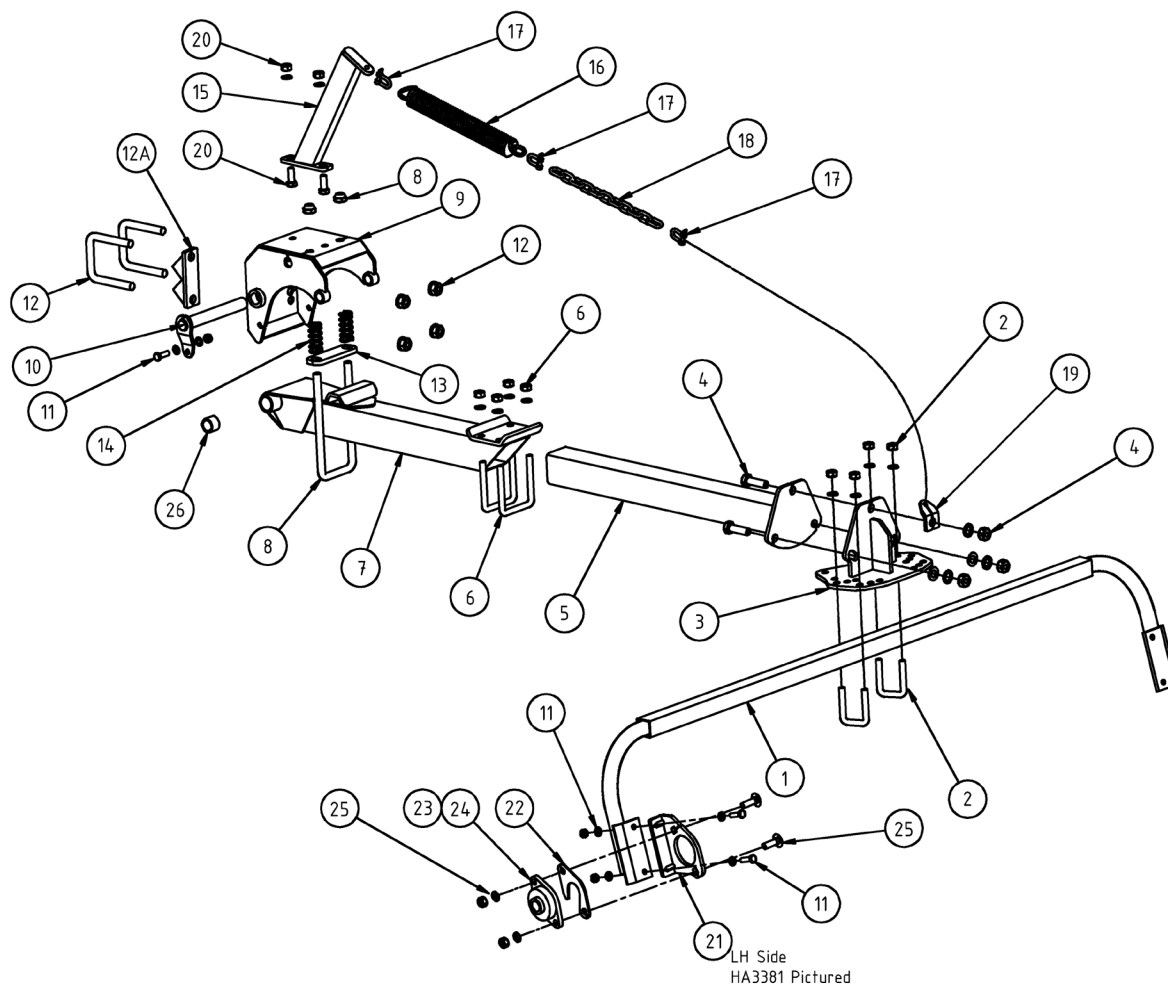
Tele Arms to suit Coil Harrows - comes with stronger spring for heavier coil gangs

TAH04	Telescopic Arm Kit to suit 100 x 100mm frame	\$1175.00	\$1292.50
TAH05	Telescopic Arm Kit to suit 75 x 75mm frame	\$1175.00	\$1292.50
TAH08	Telescopic Arm Kit to suit 75 x 75mm diamond frame (Shearer)	\$1175.00	\$1292.50
TAH00	Telescopic Arm Kit to bolt on behind Agmaster fixed extensions for Presswheels	\$1175.00	\$1292.50

FOR REPLACEMENT PARTS FOR THESE ARMS PLEASE REFER TO PAGES 49 - 50

HARROW COMPONENTS

TELE ARMS/TURNTABLE/GANG FRAME

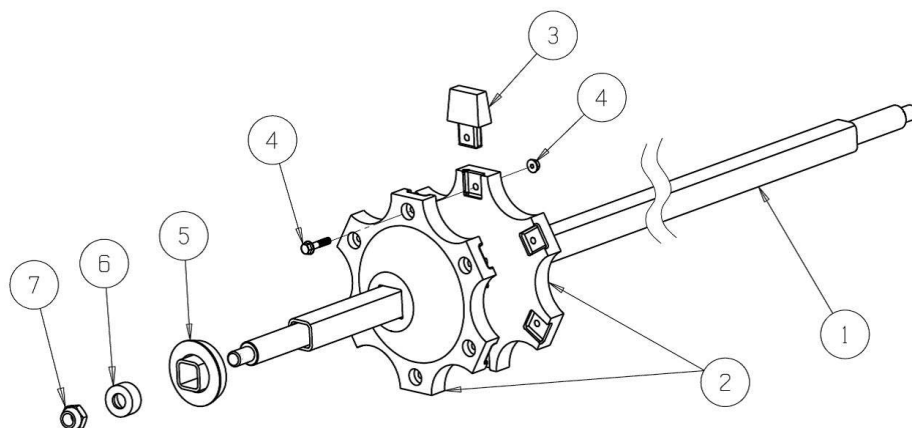
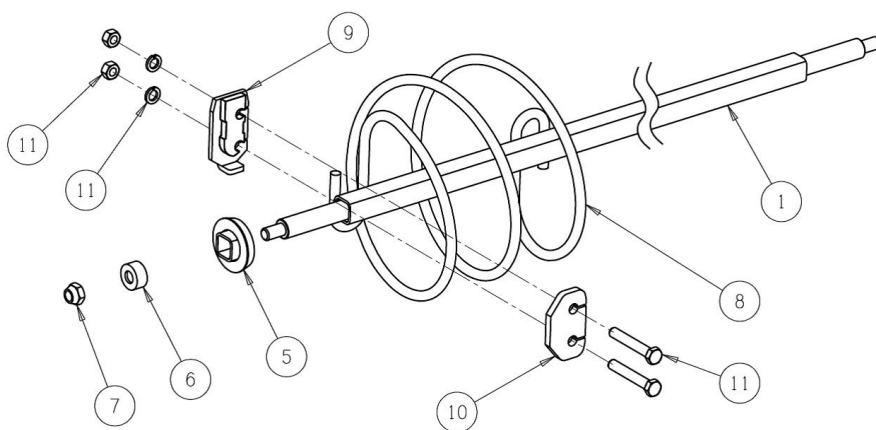


Ref	Part No.	Description	Qty	Remarks	Exc	Inc
1	HA3340	4' U Frame	1		\$220.00	\$242.00
	HA3350	5' U Frame	1		\$240.00	\$264.00
	HA3360	6' U Frame	1		\$260.00	\$286.00
2	UBN3003	U Bolt – M16, Nut & Washer	2		\$ 15.00	\$ 16.50
3	HA3310	Turntable	1		\$160.00	\$176.00
4	BNW20M60	Bolt – M20 x 60, Nut & Washer	3		\$ 6.00	\$ 6.60
5	TA3130	Inner Arm	1		\$155.00	\$170.50
6	UBN3002	U Bolt – M16, Nut & Washer	2		\$ 20.00	\$ 22.00
7	TA3120	Outer Arm	1		\$370.00	\$407.00
8	UBN3001	U Bolt – M20, Nut & Washer	1		\$ 35.00	\$ 38.50
9	HS3030	Headstock	1		\$310.00	\$341.00
10	HS3040	Pivot Pin	1		\$ 50.00	\$ 55.00
11	BNW12M40	Bolt – M12 x 40, Nut & Washer	5		\$ 2.00	\$ 2.20
12	UBN3004	UBolt M20 – Supersedes HS3060	2	For 100 mm Square RHS	\$ 25.00	\$ 27.50
	BNW20M120	Bolt – M20 x 120, Nut & Washer	4	For 75 mm Square RHS	\$ 10.00	\$ 11.00
	VBN3006	U-Bolt M20 x 140 x 122 ctr	2	Used with RHS Set on diagonal	\$ 25.00	\$ 27.50
12a	HS3070	Clamp Plate with BNW20M120	2	For 75mm Square RHS	\$ 13.00	\$ 14.30
	HS3080	Clamp Plate used with UB3006	2	Used with RHS set on diagonal	\$ 20.00	\$ 22.00
13	HS3090	Spring Plate	1	(Not used on Combines)	\$ 15.00	\$ 16.50
14	SP3011	Spring	2	(Not used on Combines)	\$ 5.00	\$ 5.50

Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers, calculations and prices.

Ref	Part No.	Description	Qty	Remarks	Exc	Inc
15	HK3610	Spring Arm	1		\$ 85.00	\$ 93.50
16	SP3012	Spring 350 long	1		\$ 35.00	\$ 38.50
	SP3013	Spring 460 long for Coil Harrows	1		\$ 50.00	\$ 55.00
17	SH10D	Shackle	3		\$ 3.00	\$ 3.30
18	CH8X500	Chain 500mm long	1		\$ 12.00	\$ 13.20
19	HK3620	Lifting Lug	1		\$ 15.00	\$ 16.50
20	BNW16M40	Bolt – M16 x 40	2		\$ 4.00	\$ 4.40
21	HA3370	Brace/Bearing RH Assembled	1	Includes 21a,22,23,24,25	\$ 90.00	\$ 99.00
	HA3380	Brace/Bearing LH Assembled	1	Includes 21b,22,23,24,25	\$ 90.00	\$ 99.00
21a	HA3371	Bracket – RH	1		\$ 45.00	\$ 49.50
21b	HA3381	Bracket – LH (shown)	1		\$ 45.00	\$ 49.50
22	HA3372	Spacer plate	2		\$ 15.00	\$ 16.50
23	BE114UCR3	Bearing – UC207-20R3	2	Triple Lip Seal	\$ 22.00	\$ 24.20
24	BE114FL	Flanged housing – 1 1/4" F207	2		\$ 12.00	\$ 13.20
25	BON16M50CUP	Cup Head Sq Bolt M16 x 50 & Nut	4		\$ 6.00	\$ 6.60
26	XTA3123	Tele Arm Outer Bush	2	Nyaltron Insert	\$ 6.00	\$ 6.60

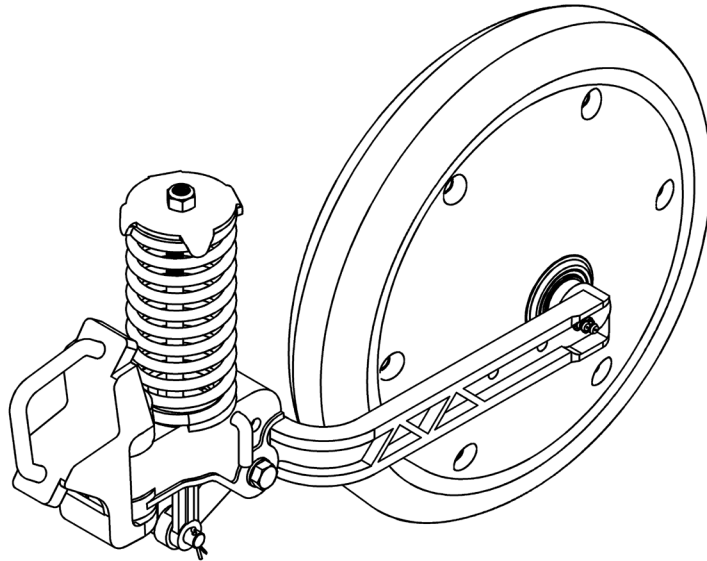
STARS, COILS & AXLES



Ref	Part No.	Description	Qty	Remarks	Exc	Inc
1	HA3440	4ft Axle	1		\$145.00	\$159.50
	HA3450	5ft Axle	1		\$155.00	\$170.50
	HA3460	6ft Axle	1		\$165.00	\$181.50
2	HA3510	Star Half	2 per star		\$ 25.00	\$ 27.50
3	HA3520	Star Tip	6 per star		\$ 5.50	\$ 6.05
	HA3520x100	Star Tips	Box of 100		\$500.00	\$550.00
4	BON8M35F	Bolt 8M x 35mm flanged & Nut	6 per star		\$ 1.00	\$ 1.10
	HA3500	Harrow Star Assembled	1	Items 2, 3, 4 Assembled 10 Stars per 4ft axle 13 stars per 5ft axle 16 stars per 6ft axle	\$ 78.00	\$ 85.80
5	HA3390	Slinger	2		\$ 45.00	\$ 49.50
6	HA3410	Sleeve	2		\$ 9.00	\$ 9.90
7	NU20MNY	Nut – 20mm Nylock	2		\$ 1.70	\$ 1.87
8	SP3701	Spring Harrow Coil	3	Springs per 4ft axle	\$160.00	\$176.00
			4	Springs per 5ft axle		
9	HA3710	Coil Clamp	6	per 4ft axle	\$ 30.00	\$ 33.00
			8	per 5ft axle		
10	HA3720	Coil Clamp End Plate	2	per gang	\$ 13.00	\$ 14.30
11	BON16M110	Bolt M16 x 110 ZP, Nuts	8	per 4ft axle	\$ 6.00	\$ 6.60
			10	per 5ft axle		

PRESSWHEEL MODULES

Presswheel modules are supplied individually and include "V" bolt to secure to 65x65x4mm mounting bar ([page 57](#))



		Exc	Inc
PWF50	Presswheel Flat 50mm Assembly	\$480.00	\$528.00
PWV70	Presswheel "V" 70mm Assembly	\$480.00	\$528.00
PWV95	Presswheel "V" 95mm Assembly	\$480.00	\$528.00
PWW100	Presswheel 'W' Shape 100mm Assembly	\$505.00	\$555.50

FOR TYRE PROFILE IMAGES PLEASE REFER TO THE NEXT PAGE

Optional Extras

Inner Spring For extra down-pressure

SP4012	Optional Inner Spring 145 x 60	\$ 15.00	\$ 16.50
---------------	--------------------------------	-----------------	-----------------

To add Inner Spring to presswheel, simply add SP4012 to your order, they will automatically be fitted during assembly

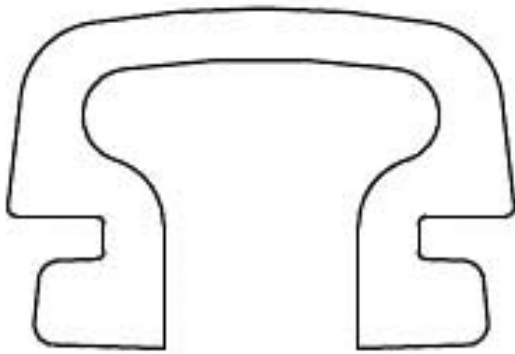
Presswheel Spacer For extra clearance and slight angle adjustment to assist in mud shedding

PW4440	Optional wheel to arm spacer	\$ 20.00	\$ 22.00
BO16M120	Corresponding bolt M16 x 120 for above spacer	\$ 7.00	\$ 7.70
For Presswheel modules ordered with spacer factory fitted add 'S' to above assembly part no's.		\$ 20.00	\$ 22.00
E.g. 70mm V tyre profile with spacer would be PWV70S		\$500.00	\$550.00

FOR REPLACEMENT PARTS FOR THESE KITS PLEASE REFER TO PAGES 61 - 62

TYRE PROFILES

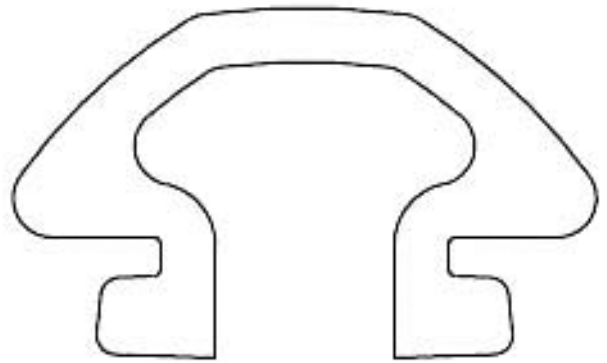
SEMI PNEUMATIC TYRE PROFILES



50mm Flat Tyre

Crumbles side of narrow slot
40-50mm Closers

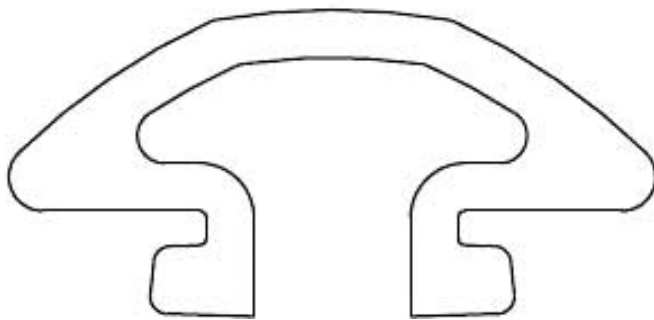
PWF50 \$480 +GST



70mm "V" Tyre

General purpose in mixed soil types
40-80mm Closers or Seekers

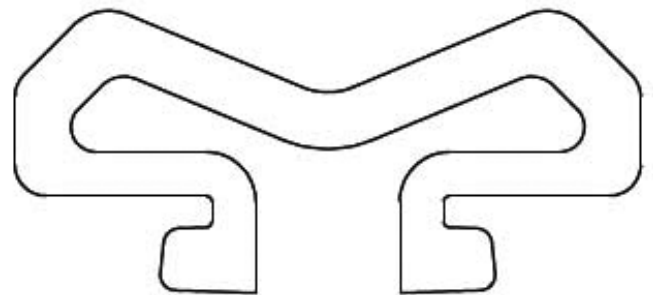
PWV70 \$480 +GST



95mm "V" Tyre

Wide press on light sand soils
50-95mm Closers or Seekers

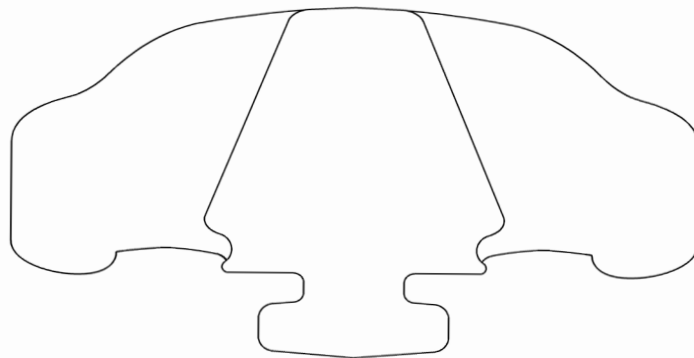
PWV95 \$480 +GST



100mm W Tyre

For use with 95mm paired-row seeker boots
95mm Seekers on flat fields

PWW100 \$505 +GST



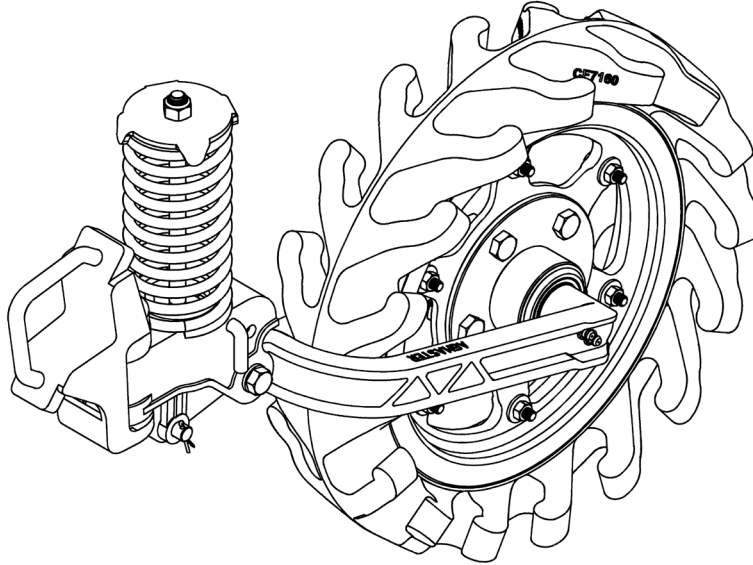
130mm 'Emu Tracker' Tyre

Most effective in moist soils where furrow
smearing/crusting is a problem
50-95mm Closers or Seekers

PWE130 \$700 +GST

EMU TRACKER PRESSWHEEL MODULES

Presswheel modules are supplied individually and include "V" bolt to secure to mounting bar



		Exc	Inc
PWE130	Emu Tracker Presswheel 130mm Tyre Assembly	\$700.00	\$770.00

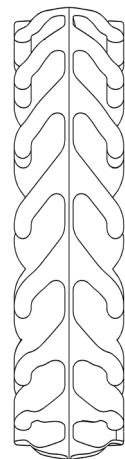
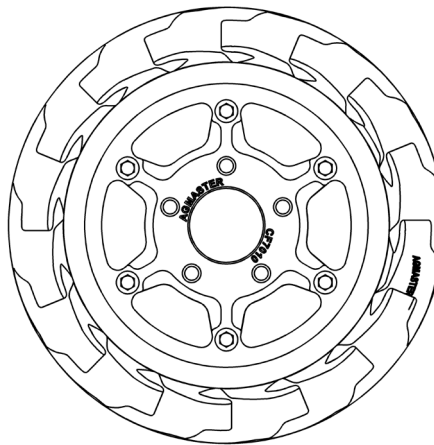
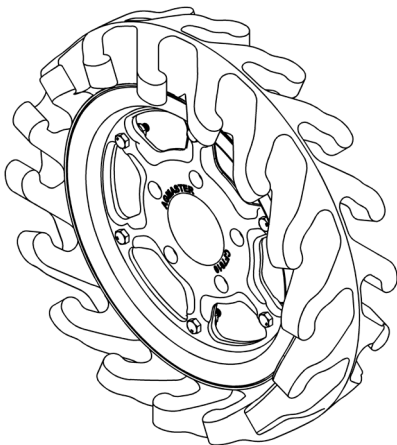
Optional Extras

Inner Spring **For extra down-pressure**

SP4012	Optional Inner Spring 145 x 60	\$ 15.00	\$ 16.50
---------------	--------------------------------	-----------------	-----------------

To add Inner Spring to presswheel, simply add SP4012 to your order, they will automatically be fitted during assembly

Spare Parts



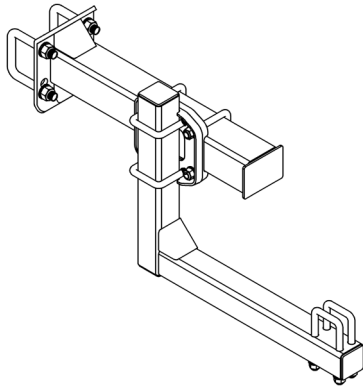
		Exc	Inc
CF7560	Emu Tracker replacement 5 stud wheel assembly	\$350.00	\$385.00
CF7160	Emu Tracker replacement tyre only	\$200.00	\$220.00
CF7050	Emu Tracker 5 stud single half hub (two required per wheel)	\$ 75.00	\$ 82.50

FOR OTHER REPLACEMENT PARTS FOR THE PIVOT/MOUNT ASSEMBLY PLEASE REFER TO PAGE 61

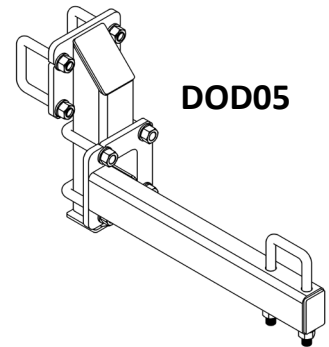
PRESSWHEEL MOUNTING ARMS

Fixed Extension Arm - Single

These kits bolt onto rear frame of the machine and provide an adjustable position for the mount bar (not included) to which the Presswheel bolts. Supplied with all parts & u-bolts pictured.



NOTE: 3x arms required for any machine sections with 18+ standard Presswheel modules or 12+ Emu Tracker modules

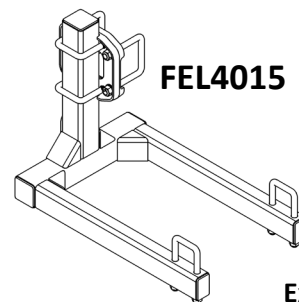
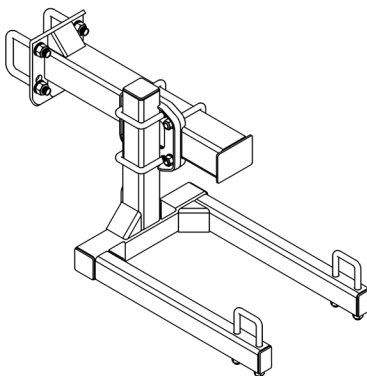


			Exc	Inc
FEO04	Fixed Extension Arm	Suits 100 x 100 frame	\$650.00	\$715.00
FEO05	Fixed Extension Arm	Suits 75 x 75 frame	\$650.00	\$715.00
FEO08	Fixed Extension Arm	Suits 75 x 75 diamond frame (Shearer)	\$650.00	\$715.00
FEO00 #	Fixed Extension Arm	To fit in front of existing Agmaster Harrows	\$650.00	\$715.00
DOD05	Compact Fixed Extension Arm to suit Duncan	Suits 75 x 75 Duncan frame	\$380.00	\$418.00

FEO00 - U-BOLTS TO MOUNT TO MACHINE NOT INCLUDED. IF NEW ONES REQUIRED, ORDER 2X OF ITEM #7 ON P58 DEPENDING ON MACHINE FRAME SIZE

Fixed Extension Arm - Double Outrigger

For short sections of Folding Machines i.e. 7ft or less with a maximum 10x standard Presswheel Modules or 7x Emu Tracker Modules. Typically used on outer wings of Double Fold Machines



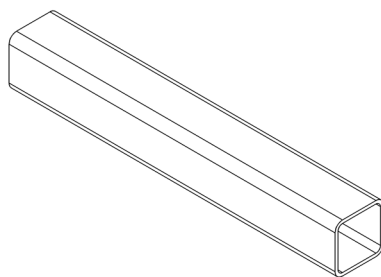
			Exc	Inc
FED04	Fixed Extension Arm with Double Outrigger	Suits 100 x 100 frame	\$830.00	\$913.00
FED05	Fixed Extension Arm with Double Outrigger	Suits 75 x 75 frame	\$830.00	\$913.00
FED08	Fixed Extension Arm with Double Outrigger	Suits 75 x 75 diamond frame (Shearer)	\$830.00	\$913.00
FED00	Fixed Extension Arm with Double Outrigger	To fit in front of Agmaster Harrows	\$830.00	\$913.00
FEL4015	Double Outrigger only	For existing FE4030 or Harrow Tele Arm	\$510.00	\$561.00

(If using FEL4015 on Harrow Tele Arm also order HS3050 x 1, PI8L x 2)

Per set **HSP3050**

\$ 32.00 \$ 35.20

Mounting Bar



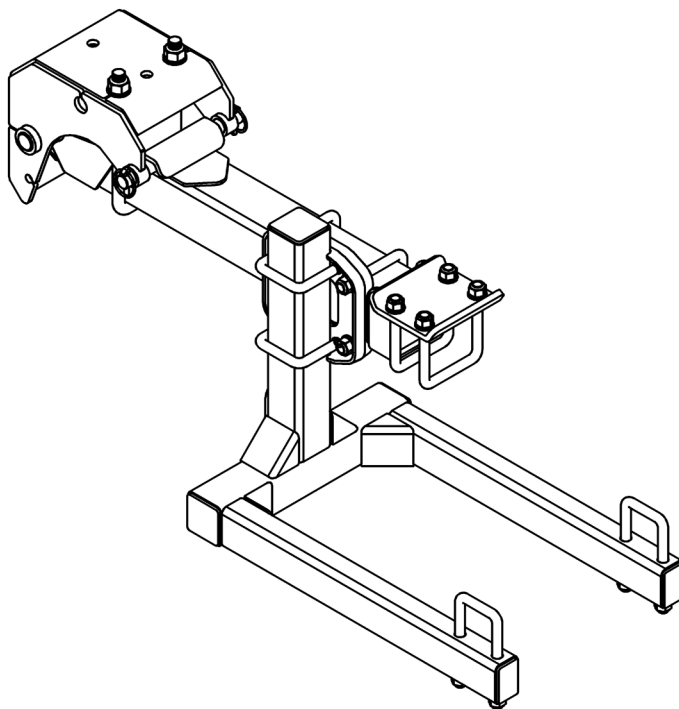
			Exc	Inc
RH65654 x length	e.g.: RHS 65mm x 65mm x 4mm	per metre	\$50.00	\$55.00
	Duragal – cut and capped			

NOTE: Agmaster will only supply RHS to customers collecting from Welshpool Warehouse due to freight issues with such long parts. All other customers to source locally

CA65	Cap 65mm Square Insert		\$12.00	\$13.20
	These plastic knock-in caps enclose the end of the above RHS (Included in mounting bar price)			

Telescopic Extension Arm

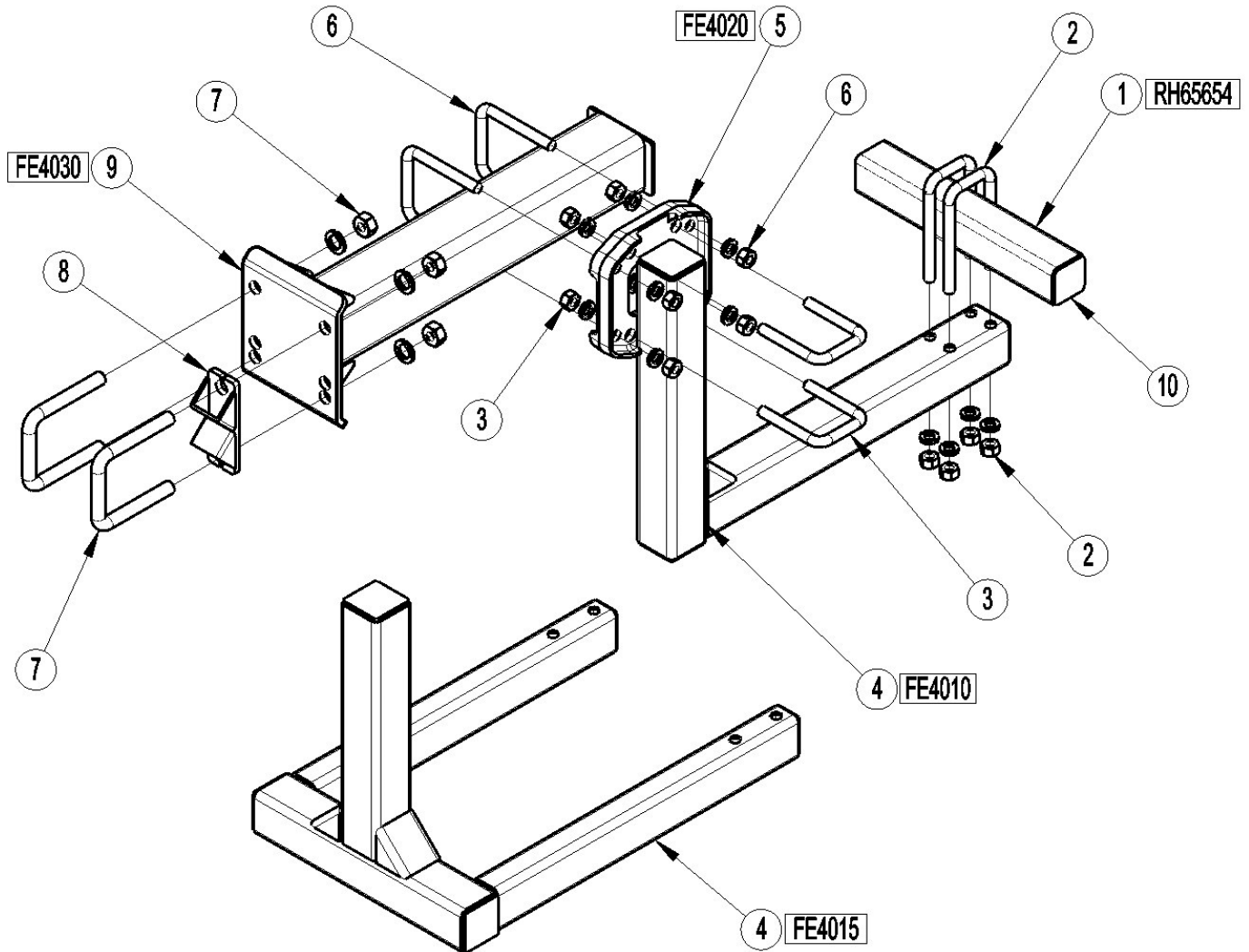
These kits are used when there is a requirement to interchange Presswheels and Harrows into the same tele arm arrangement.



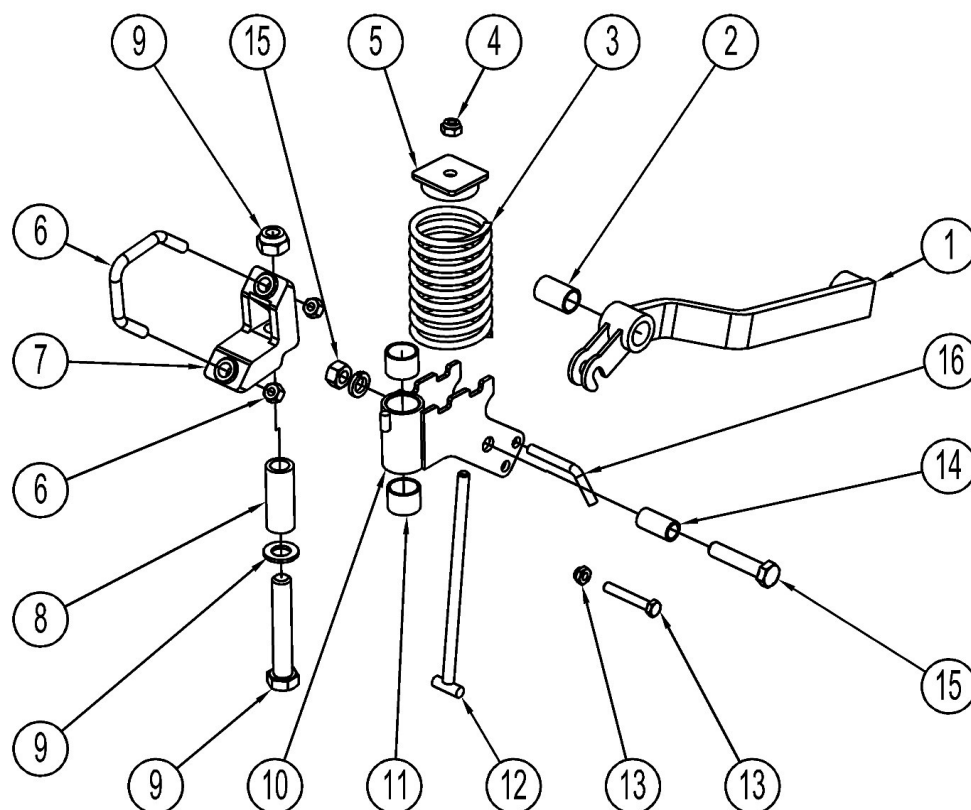
		Exc	Inc
TPO04	Telescopic Arm Presswheel Extension & Outrigger, 100 x 100 frame	\$1400.00	\$1540.00
TPO05	Telescopic Arm Presswheel Extension & Outrigger, 75 x 75 frame	\$1400.00	\$1540.00
TPO08	Telescopic Arm Presswheel Extension & Outrigger, 75 x 75 diamond frame	\$1400.00	\$1540.00
FEL4015	Double Outrigger for existing FE4030 or Harrow Tele Arm (see diagram pg54)	\$510.00	\$561.00
	(If using FEL4015 on Harrow Tele Arm also buy HS3050 x 1, PI8L x 2)		
	Per set HSP3050	\$ 32.00	\$ 35.20

PRESSWHEEL COMPONENTS

Fixed Extensions

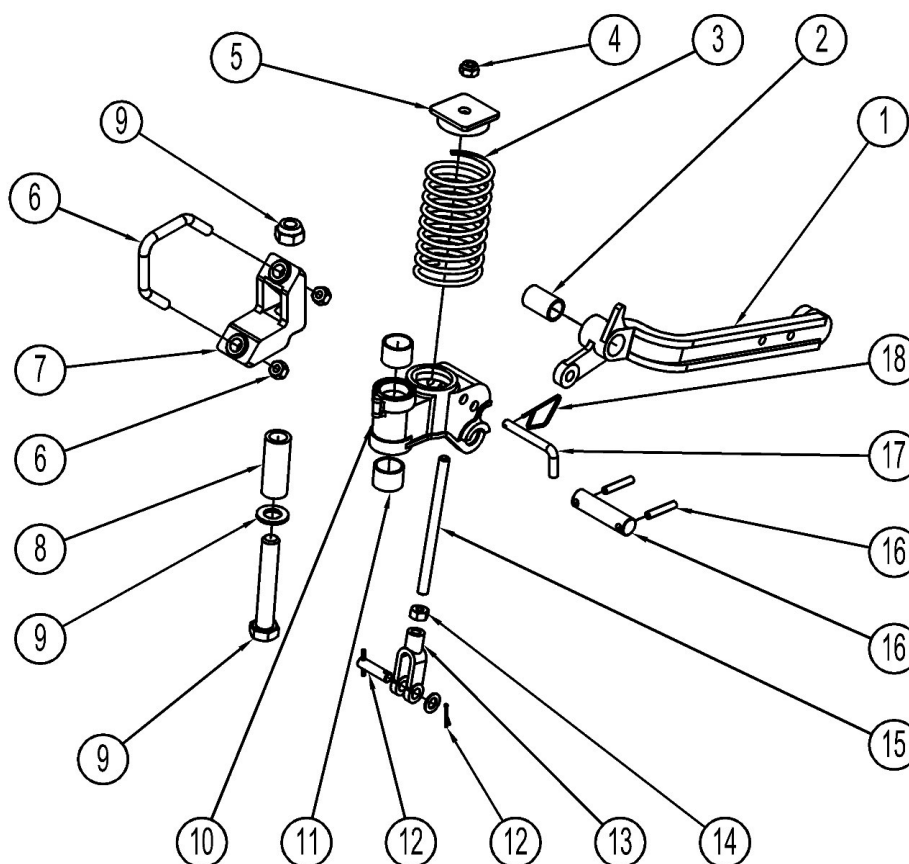


Ref	Part No.	Description	Qty	Remarks	Exc	Inc
1	RH65654	RHS 65 mm x 65 mm x 4 mm	AR	length to suit	\$ 50.00/mtr	\$ 55.00/mtr
2	UBN4002	U Bolt – M16, Nuts & Washers	2	166mm x 67mm ID	\$ 20.00	\$ 22.00
3	UBN4003	U Bolt – M16, Nuts & Washers	2	105mm x 77mm ID	\$ 15.00	\$ 16.50
4	FE4010	L Frame	1		\$190.00	\$209.00
or	FE4015	Double L Frame	1	refer page 56 for details	\$370.00	\$407.00
5	FE4020	Clamp plate	1		\$ 40.00	\$ 44.00
6	UBN3002	U Bolt – M16, Nuts & Washers	2		\$ 20.00	\$ 22.00
7	UBN3004	UBolt - M20, Nuts & Washers	2	for 100 mm Square RHS	\$ 25.00	\$ 27.50
	UBN3005	UBolt – M20, Nuts & Washers	2	for 75mm Square RHS	\$ 25.00	\$ 27.50
	VBN3006	UBolt – M20, Nuts & Washers	2	for RHS set on diagonal	\$ 25.00	\$ 27.50
8	HS3080	Clamp Plate	2	for RHS set on diagonal	\$ 20.00	\$ 22.00
9	FE4030	Extension	1		\$280.00	\$308.00
10	CA65	Cap – 65mm Square Insert	2	to cap ends of Item 1	\$ 12.00	\$ 13.20



Note: This is for Presswheels up to 2002. This model has no seal. For 2003 onwards see following pages.

Ref	Part No.	Description	Qty	Remarks	Exc	Inc
1	PW4270	Jump Arm 2002	1	Obsolete		
2	PW4276	Presswheel Jump Arm Bush 2002/03	1		\$ 5.00	\$ 5.50
3	SP4011	Spring 165 x 80	1		\$20.00	\$22.00
	SP4012	Optional Inner Spring 144 x 60	1		\$15.00	\$16.50
4	NU12MNY	Nylock Nut – M12	1		\$ 0.40	\$ 0.44
5	PW4580	Spring Cap	1		\$ 10.00	\$ 11.00
6	VBN4001	V Bolt M12 90x100ctr, Nut & Washer	1		\$ 5.00	\$ 5.50
7	PW4255	Pivot Mount 2002/03	1	Obsolete but Upgradeable (PWU45)		
8	PW4265	Track Pivot Spacer 77 x 30 2002/03	1		\$ 9.00	\$ 9.90
9	BNW20M120	Bolt – M20 x 120, Nut, Washer	1		\$10.00	\$11.00
10	PW4260	Track Pivot 2002	1	Obsolete		
11	PW4266	Track Pivot Bush 25 x 35 2002/03	2		\$ 5.00	\$ 5.50
12	PW4267	T Bolt M12 x 250	1	Obsolete		
13	BON10M65	Bolt – M10 x 65, Nut	1	Not stocked by Agmaster		
14	PW4275	Jump Arm Spacer 42 x 22 2002/03	1		\$ 6.00	\$ 6.60
15	BNW16M90	Bolt – M16 x 90, Nut, Washer	1		\$ 6.50	\$ 7.15
16	PW4590	Locking Pin	1		\$ 7.00	\$ 7.70
	PI3MIN	R Clip – B9 or Min clip	1		\$ 1.20	\$ 1.32
	PWU45	Mount Upgrade PW4255 to PW4450	1	Includes Sleeve/Bolt	\$70.00	\$77.00
		See diagram page 65				



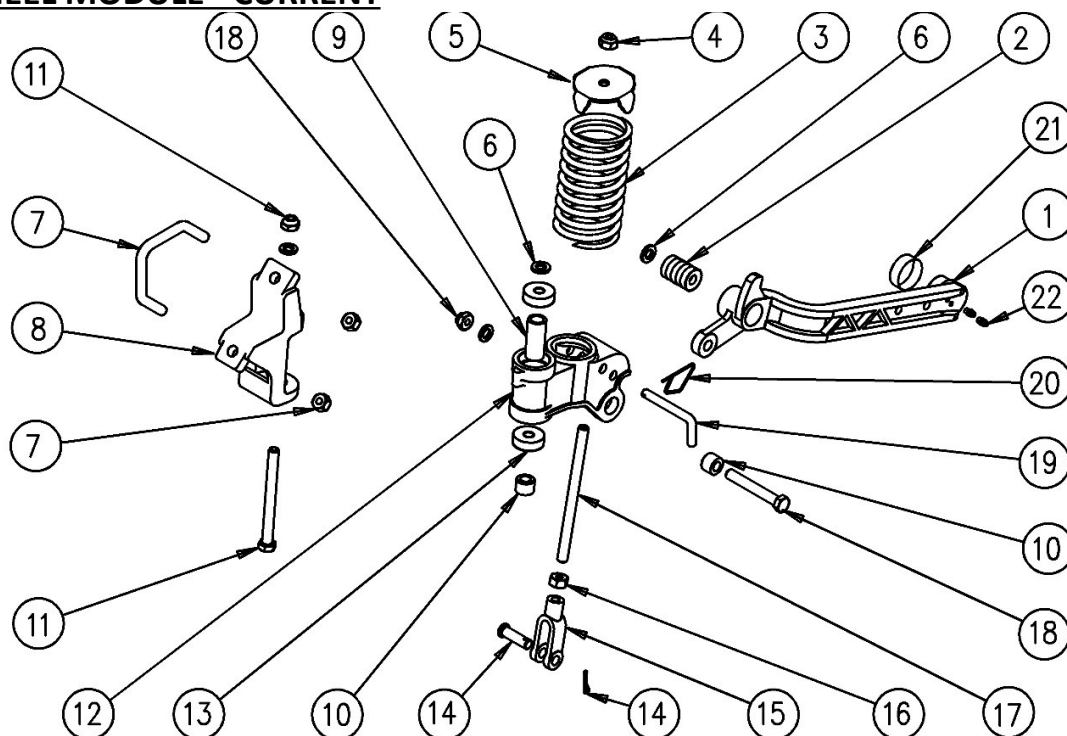
Note: This is for 2003 Model Presswheels. For 2004 model onwards see next page.

Ref	Part No.	Description	Qty	Remarks	Exc	Inc
1	PW4290	Jump Arm 2003 (takes seal SE36PR518)	1	Includes 1, 2	\$85.00	\$93.50
2	PW4276	Jump Arm Bush 41 x 27 2002/03	1		\$ 5.00	\$ 5.50
3	SP4011	Spring 165 x 80	1		\$20.00	\$22.00
	SP4012	Optional Inner Spring 144 x 60	1		\$15.00	\$16.50
4	NU12MNY	Nylock Nut – M12	1		\$ 0.40	\$ 0.44
5	PW4580	Spring Cap	1		\$ 10.00	\$ 11.00
6	VBN4001	V Bolt M12 90x 100ctr, Nut & Washer	1		\$ 5.00	\$ 5.50
7	PW4255	Pivot Mount	1	Obsolete but upgradeable (PWU45)		
8	PW4265	Track Pivot Spacer 77 x 30 2002/03	1		\$ 9.00	\$ 9.90
9	BNW20M120	Bolt – M20 x 120, Nut, Washer	1		\$10.00	\$11.00
10	PW4280	Track Pivot 2003	1	Includes 2 x Item 11 Obsolete when stock exhausted	\$70.00	\$77.00
11	PW4266	Track Pivot Bush 25 x 35 2002/03	2		\$ 5.00	\$ 5.50
12	PWS57	Clevis Pin, Split Pin	1		\$ 2.00	\$ 2.20
13	PW4560	Clevis Yoke	1		\$20.00	\$22.00
14	NU12MZP	Nut M12	1		\$ 0.30	\$ 0.33
15	PW4550	Pressure Rod – M12	1		\$ 8.00	\$ 8.80
16	PWR4285	Jump Arm Pin 85 x 22 2003	1	Includes Roll Pins	\$ 9.00	\$ 9.90
17	PW4590	Locking Pin	1		\$ 7.00	\$ 7.70
18	PI3MIN	R Clip – B9 or Min clip	1		\$ 1.20	\$ 1.32
	PWU45	Mount Upgrade PW4255 to PW4450	1	Includes Sleeve/Bolt	\$70.00	\$77.00

See diagram [page 65](#)

PRESSWHEEL MODULE - CURRENT

2004 ONWARDS WITH BEARING TYPE PIVOTS

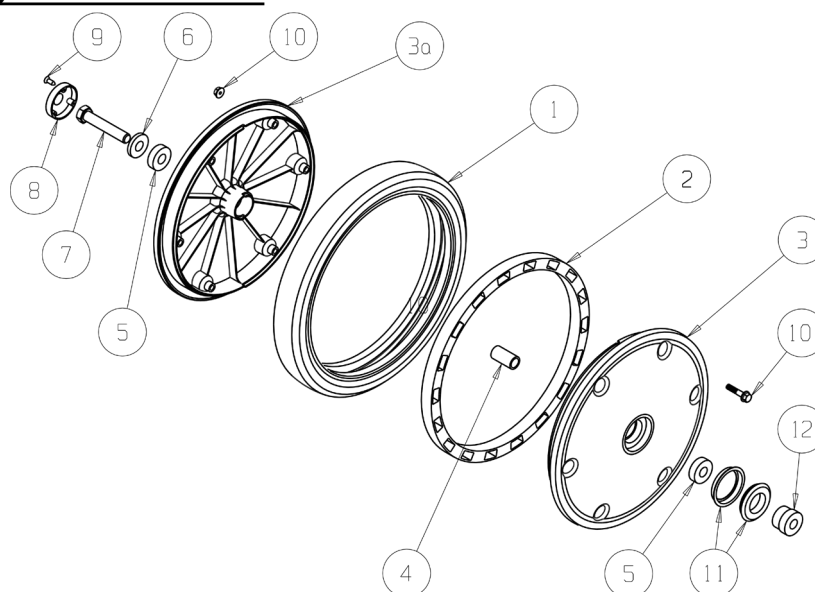


Note: This is 2004 - current model. See previous pages for earlier model parts.

Ref	Part No.	Description	Qty	Remarks	Exc	Inc
1	PW4420 or PW4405	Current Jump Arm 2005- Onwards w Bearings (doesn't suit Emu Tracker) Jump Arm 2004 Only Model with Bearings & Sleeve	1	Incl 1, 2, 22. Takes seal SE36P6641 Incl 1, 2, 21. Takes seal SE36PR6518	\$ 90.00	\$ 99.00
2	BE1228	Bearing (6001-2RS)	5		\$ 2.00	\$ 2.20
3	SP4011	Spring 165 x 80	1		\$ 20.00	\$ 22.00
	SP4012	Optional Inner Spring 144 x 60	1		\$ 15.00	\$ 16.50
4	NU12MNY	Nylock Nut – M12	3		\$ 0.40	\$ 0.44
5	PW4580	Spring Cap	1		\$ 10.00	\$ 11.00
6	PW4460	Mount/Arm Washer 3 x 22	2		\$ 1.90	\$ 2.09
7	VBN4001	V Bolt M12, Nut & Washer	1		\$ 5.00	\$ 5.50
8	PW4450	Pivot Mount 2004	1		\$ 50.00	\$ 55.00
9	PW4480	Track Pivot Bearing Spacer	1		\$ 6.00	\$ 6.60
10	PW4470	Mount/Arm Spacer 15 x 22	2		\$ 2.50	\$ 2.75
11	BNW12M130	Bolt – M12 x 130, Nut & Washer	1		\$ 3.50	\$ 3.85
12	PW4500	Track Pivot with Bearings & Spacer	1	Includes 9, 12, 13	\$ 70.00	\$ 77.00
13	BE1237	Bearing (6301-2RS)	2		\$ 3.00	\$ 3.30
14	PWS57	Clevis Pin, Split Pin	1		\$ 2.00	\$ 2.20
15	PW4560	Clevis Yoke	1		\$ 20.00	\$ 22.00
16	NU12MZP	Nut M12	1		\$ 0.30	\$ 0.33
17	PW4550	Rod – M12	1		\$ 8.00	\$ 8.80
18	BNW12M85	Bolt – M12 x 85, Nut & Washer	1		\$ 3.00	\$ 3.30
19	PW4590	Locking Pin	1		\$ 7.00	\$ 7.70
20	PI3MIN	R Clip – B9 or Min clip	1		\$ 1.20	\$ 1.32
21	PW4415	Seal Wear Sleeve	1	2004 Model only	\$ 6.00	\$ 6.60
22	GN6	Grease Nipple 6mm Stainless	2	2011 onwards Model only	\$ 0.50	\$ 0.55
	PWS55	Spring kit	1	Includes 3, 4, 5, 14, 15, 16,17	\$ 59.00	\$ 64.90
	PW4000	Presswheel Assembly – No Wheel	1	Not incl #7 and all items on P62	\$295.00	\$324.50

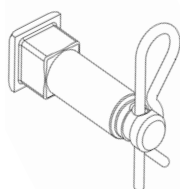
Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers, calculations and prices.

WHEELS, PARTS, RIMS & SEALS



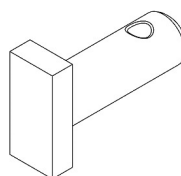
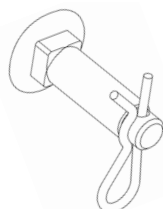
Ref	Part No.	Description	Qty	Remarks	Exc	Inc
1	PW4300	Tyre – 100mm 'W'	1	Includes Item 2	\$120.00	\$132.00
	PW4310	Tyre – 70 mm V	1	Includes Item 2	\$ 95.00	\$104.50
	PW4320	Tyre – 95 mm V	1	Includes Item 2	\$ 95.00	\$104.50
	PW4330	Tyre – 50 mm flat	1	Includes Item 2	\$ 95.00	\$104.50
2	PW4370	Spacer Ring	1		\$ 10.00	\$ 11.00
3	PW4350	Rim Half – Seal Side with bearing	1	This half has steel ring in it	\$ 40.00	\$ 44.00
3a	PW4360	Rim Half – Cap Side with bearing	1		\$ 30.00	\$ 33.00
4	PW4380	Bearing Spacer	1		\$ 6.00	\$ 6.60
5	BE1740	Bearing (6203-2RS)	2		\$ 4.00	\$ 4.40
6	WA16L	Washer M16 Lock Ribbed	1		\$ 1.00	\$ 1.10
7	BO16M90	Bolt – M16 x 90 w grease notch	1	Secures Wheel to Arm	\$ 6.00	\$ 6.60
	BO16M120	Bolt – M16 x 120 w grease notch	1	Secures Wheel to Arm (w spacer)	\$ 7.00	\$ 7.70
8	PW4390	Cap	1	From 2003 – Takes 3 x SC825	\$ 6.00	\$ 6.60
	PW4251	Cap – Grey	1	Knock in type for 2002 model	\$ 5.00	\$ 5.50
9	SC825	Self tapping Screw	3	8 gauge x 25mm countersunk	\$ 0.25	\$ 0.28
10	BON8M35F	Bolt 8M x 35 Flanged, Nut	6		\$ 1.00	\$ 1.10
			per rim			
11	SE36P6641 or SE36PR6518	Seal P6641 & Ring Seal TC1.437	1	Current 2005 onwards–use on PW4420 arm 2003/04 model– use on PW4290/PW4405 arm	\$ 6.00	\$ 6.60
			1		\$ 5.00	\$ 5.50
<i>Please note SE36PR5618 is a very uncommon seal, please check with Agmaster before ordering if not sure</i>						
12	PW4440	30 mm Clearance Spacer -optional	1	To increase clearance between tyre & arm for mud shedding	\$ 20.00	\$ 22.00
	BO16M120	Bolt M16 x 120 w grease notch	1	Required with above spacer PW4440 in place of BO16M90	\$ 7.00	\$ 7.70
	PW4200	100 mm 'W' wheel assembly	1	Above Assembly Minus 6, 7, 8, 9	\$210.00	\$231.00
	PW4210	70 mm V wheel assembly	1	Above Assembly Minus 6, 7, 8, 9	\$185.00	\$203.50
	PW4220	95 mm V wheel assembly	1	Above Assembly Minus 6, 7, 8, 9	\$185.00	\$203.50
	PW4230	50 mm flat wheel assembly	1	Above Assembly Minus 6, 7, 8, 9	\$185.00	\$203.50

FASTENERS



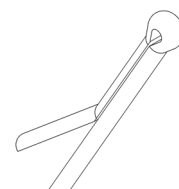
Pin & R Clip

Fit Adjusta-Point on NT19 Series and Multi-Boot Module on Morris Quantum, Contour 2 & Bourgault Paralink



T Pin & Split Pin

Fit series NT07, NT09, NT11 points & Sweep Adaptors



PINS

		Exc	Inc
PIR41	12mm Pin 41mm Square & R Clip for Adjusta-Point Holder HL5610	\$ 2.50	\$ 2.75
PIS41	12mm Pin 41mm Square & 3mm Split Pin for Adjusta-Point Holder HL5610	\$ 2.00	\$ 2.20
PIR45	12mm Pin 45mm Cuphead & R Clip for Adjusta-Point Holder HL5600	\$ 2.50	\$ 2.75
PIR45	12mm Pin 45mm Cuphead & 3mm Split Pin for Adjusta-Point Holder HL5600	\$ 2.50	\$ 2.75
PI12A41	Pin 12mm x 41mm Square for Adjusta-Point Holder HL5610 2021 - Current	\$ 1.90	\$ 2.09
PI12A45	Pin 12mm x 45mm Cuphead for Adjusta-Point Holder HL5600 2018-2020	\$ 1.90	\$ 2.09
PI432R	R-Clip 43 x 2.5 for PI124XA	\$ 0.70	\$ 0.77
TSP	'T' Pin 10mm + Pin Split 4 x 25mm	\$ 1.60	\$ 1.76
TP1180	Pin 'T' Diameter 10mm	\$ 1.50	\$ 1.65
PI425S	Pin Split 4 x 25mm	\$ 0.25	\$ 0.28
PI325S	Pin Split 3 x 25mm	\$ 0.20	\$ 0.22

BOLTS

BO6M10S	Bolt M6 x 10 – Pipe Adaptors and some stainless liquid casings	\$ 0.50	\$ 0.55
BO16M90	Bolt M16 x 90 Z/P - Presswheel	\$ 6.00	\$ 6.60
BO16M120	Bolt M16 x 120 Z/P - Presswheel	\$ 7.00	\$ 7.70

Other Bolts not shown are listed under "Bolt and Nut" sets or "Bolt, Nut and Washer" sets

WASHERS

WA16L	Washer M16 Lock Ribbed Zinc - Presswheel	\$ 1.00	\$ 1.10
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Other Washers not shown are listed under "Bolts, Nut and Washer" sets

BOLTS & NUTS (SETS)

BON6M16S	Bolt M6 x 16 Stainless, Nut – Liquid Kits	\$ 0.70	\$ 0.77
BON8M35F	Bolt M8 x 35 Flanged, Nut – Stars, Harrows	\$ 1.00	\$ 1.10

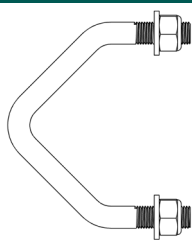
Other Bolts & Nuts not shown are listed under "Bolt, Nut and Washer" sets

BOLTS, NUT & WASHERS (SETS)

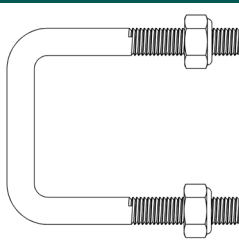
BNW12112	Bolt ½" UNF x 1½", Conelock Nut & Washer	\$ 3.00	\$ 3.30
BNW12134	Bolt ½" UNF x 1¾", Conelock Nut & Washer	\$ 3.00	\$ 3.30
BNW122	Bolt ½" UNF x 2", Conelock Nut & 2 x Washers	\$ 3.00	\$ 3.30
BNW12212	Bolt ½" UNF x 2½", Conelock Nut & Washer	\$ 3.00	\$ 3.30
BNW12214	Bolt ½ UNF x 2¼", Conelock Nut & Washer	\$ 3.00	\$ 3.30
BNW12234	Bolt ½" UNF x 2¾" Conelock Nut & Washer	\$ 3.00	\$ 3.30
BNW123	Bolt ½ UNF x 3", Conelock Nut & Washer	\$ 3.00	\$ 3.30
BNW12312	Bolt ½" UNF x 3½", Conelock Nut & Washer	\$ 3.00	\$ 3.30
BNW7162	Bolt 7/16 x 2", Conelock Nut & Washer	\$ 3.00	\$ 3.30
BNW716212	Bolt 7/16 UNF x 2½", Conelock Nut & Washer	\$ 3.00	\$ 3.30
BNW716234	Bolt 7/16 UNF x 2¾", Conelock Nut & Washer	\$ 3.00	\$ 3.30
BNW12M40	Bolt M12 x 40, Nut & Washer	\$ 2.00	\$ 2.20
BNW12M55	Bolt M12 x 55, Nut & Washer	\$ 2.00	\$ 2.20
BNW12M85	Bolt M12 x 85 Z/P, Nut & Washer	\$ 3.00	\$ 3.30
BNW12M130	Bolt M12 x 130, Nut & Washer	\$ 3.50	\$ 3.85
BNW16M40	Bolt M16 x 40, Nut & Spring Washer	\$ 4.00	\$ 4.40
BNW16M55	Bolt M16 x 55, Conelock Nut & Washer	\$ 5.00	\$ 5.50
BNW20M60	Bolt M20 x 60, Nut, Spring Washer & Flat Washer	\$ 6.00	\$ 6.60
BNW20M120	Bolt M20 x 120, Nut & Spring Washer	\$10.00	\$11.00
BNW20M150	Bolt M20 x 150, Nut & Spring Washer	\$12.00	\$13.20
BNW20M170	Bolt M20 x 170, Nut & Spring Washer	\$15.00	\$16.50

Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers, calculations and prices.

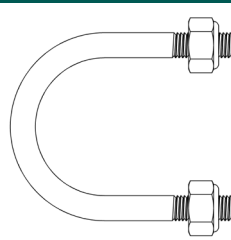
U - BOLTS & V - BOLTS



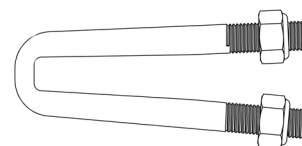
VBN4001
VBN3006



UBN1003 – UBN2002
UBN3001 – UBN4003*



UBN2007



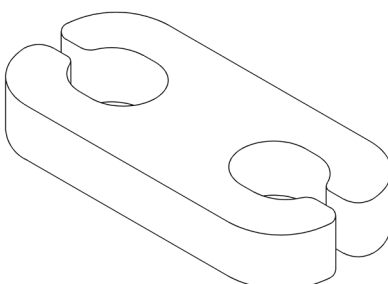
UBN2003 - UBN2004

U BOLTS, NUTS & WASHERS (SETS)

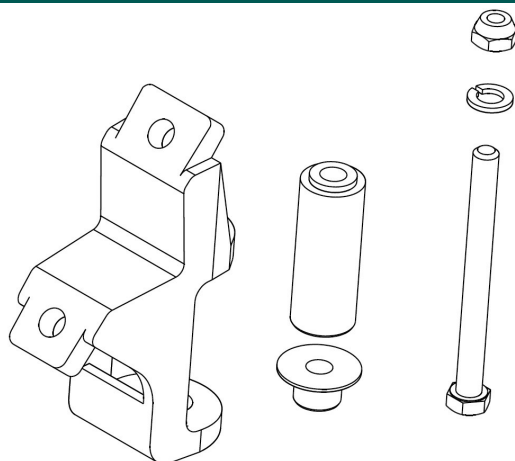
		Exc	Inc
UBN1003	U Bolt M10, 75 x 52, Nylock Nuts - Trashguards	\$ 5.00	\$ 5.50
UBN1004	U Bolt M10, 110 x 30, Nylock Nuts - Trashguards	\$ 5.00	\$ 5.50
UBN2001	U Bolt M12, 65 x 52, Nylock Nuts & Washers – NT11 Brackets	\$ 5.00	\$ 5.50
UBN2002	U Bolt M12, 85 x 30, Nylock Nuts & Washers – NT11 Brackets	\$ 5.00	\$ 5.50
UBN2003	U Bolt M12, 110 x 25, Nylock Nuts – NT08 Boot Brackets	\$ 5.00	\$ 5.50
UBN2004	U Bolt M12, 90 x 25, Nylock Nuts – NT08 Boot Brackets	\$ 5.00	\$ 5.50
UBN5611	U-Bolt M12, 80 x 52, Nylock Nuts – Adjusta-Point w Multi Boot & NT19	\$ 5.00	\$ 5.50
UBN5612	U-Bolt M12, 90 x 52, Nylock Nuts – Adjusta-Point w NT11 Seeker Boot	\$ 5.00	\$ 5.50
UBN5613	U-Bolt M12, 80 x 52 Bent, Nylock Nuts – Adjusta-Point w NT11 Boots	\$ 5.00	\$ 5.50
UBN2007	U Bolt M10, 77 x 55, Nylock Nuts & Washers – Flexi Boot	\$ 5.00	\$ 5.50
UBN3001	U Bolt M20, 290 x 105, Nylock Nuts & Washers - Harrows	\$35.00	\$38.50
UBN3002	U Bolt M16, 130 x 102, Nuts & Washers – Harrows/Presswheels	\$20.00	\$22.00
UBN3003	U Bolt M16, 80 x 52, Nuts & Washers - Harrows	\$15.00	\$16.50
UBN3004	U Bolt M20 135 x 102, Nuts & Washers – Harrows/Presswheels (for 100mm x 100mm)	\$25.00	\$27.50
UBN3005	U Bolt M20 110 x 77, Nuts & Washers – Harrows/Presswheels (for 75mm x 75mm)	\$25.00	\$27.50
UBN4002	U Bolt M16, 166 x 67, Nuts & Washers - Presswheels	\$20.00	\$22.00
UBN4003	U Bolt M16, 105 x 77, Nuts & Washers - Presswheels	\$15.00	\$16.50
VBN3006	U Bolt M20 150 x 122, Nuts & Washers – Harrows/Presswheels (for 75mm x 75mm diamond)	\$25.00	\$27.50
VBN4001	V Bolt M12, 90 x 100 ctr, Nuts & Washers - Presswheels	\$ 5.00	\$ 5.50

U BOLT BACKING PLATES

UB2005	M12 x 25mm U-Bolt Backing Plate (Used with UB2003, UB2004 without Boot Assembly)	\$ 5.00	\$ 5.50
UB5620	M12 x 52 U-Bolt Backing Plate (Used with UB5612 on Adjusta-Point Holder w without Boot Assembly or NT11 Seeker Boot)	\$ 7.00	\$ 7.70
TG1173	M10 x 30 U Bolt Backing Plate – used with UB1004	\$ 6.00	\$ 6.60
TG1175	M10 x 52 U Bolt Backing Plate – used with UB1003	\$ 6.00	\$ 6.60



UPGRADES



PWU45

Presswheel Mount Upgrade Pre 2004

Includes yoke style cast mounting, 2 adaptor Bushes and pivot bolt

Exc	Inc
\$ 70.00	\$ 77.00

MAINTENANCE TIPS

HARROWS

If tips are showing more wear on one end of the gang loosen the three bolts at the turntable, re-level to suit and re-tighten.

Grease axle bearings weekly – **do not** over grease as seals may pop.

PRESSWHEELS

Pre Season:

- Any pivots and swivels that don't move freely need to be freed up and lubricated or replaced.
- Any bearings or seals that sound noisy or gritty when the wheel turns should be replaced or repacked with grease
- Any damaged seals must be replaced
- If fitting a new seal a smear of grease in the fins of the seal will help its performance.
- When replacing or re-screwing black hub cap, a smear of grease against the contact surface will assist in sealing

Post Season:

- If unable to store seeder bar undercover, remove gangs of presswheels at the two UBolts securing mounting bar to outriggers. Storing the presswheels under cover will extend tyre, seal and bearing life

2002-2003 MODEL UPGRADES:

Side swivel upgrades (PWU45) are available if swivel is stiff

2004 MODEL UPGRADES:

Pressure rod clevis pins using split pin instead of circlips (PW4570 and PI425S)

POINTS & CLOSER PLATES

Point Wear:

Points that are scalloping excessively above top piece of tungsten carbide or behind bottom tungsten carbide tip may cause end of point to break off before tip has reach it's useful life. Hardface weld can be applied in these regions to extend point life.

Weld on Knives (PT1930 & PT1940):

When rebuilding a point cut the excess off the old point and leave a 3mm gap for penetration to weld knife. MIG weld or general purpose ARC welding rods can be used. Excess weld can be left as this area works out of the ground.

It is not recommended to repair cast points without preheat/post heat

Closers:

Closers should be replaced once either corner has worn to more than 10mm radius. Closers cannot be rebuilt. If welding closers to cast boots use Stainless electrode grade 309.

TIGHTENING TORQUE VALUES

WRENCHING SYSTEM

Not all tensioning devices give the same tension, typical performance of wrenching systems is:

WRENCH TYPE	TORQUE ACCURACY
Impact wrench stall type	+/- 50%
Impact wrench with torque bar	+/- 20%
Hand torque wrench	+/- 2% to +/-25%
Air motor stall type	+/- 10% to +/-20%

It is therefore important that wrenches are calibrated on a regular basis.

Do not use the following values if a different torque is called up for a specific application. The values shown are for clean, lightly oiled, galvanised and zinc plated carbon steel fasteners. Always replace fasteners with the same property class. Torque is based on 65% of proof load.

METRIC COARSE PITCH

SIZE	CLASS 8.8	CLASS 10.9	CLASS 12.9
	Nm	Nm	Nm
M6	9.0	13.0	15.0
M8	22.0	32.0	37.0
M10	44.0	63.0	73.0
M12	77.0	109.0	128.0
M16	190.0	270.0	316.0
M20	372.0	528.0	620.0
M24	640.0	914.0	1066.0



SPECIFIC AGMASTER PARTS:

UB3002

150 Nm (approx 75% of recommended torque)

IMPERIAL

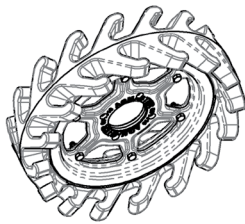
SIZE	SAE GRADE 5		SAE GRADE 8	
INCHES	UNC	UNF	UNC	UNF
	Ft.lbs	Ft.lbs	Ft.lbs	Ft.lbs
1/4	7.0	8.0	10.0	12.0
5/16	15.0	17.0	21.0	23.0
3/8	27.0	30.0	38.0	43.0
7/16	43.0	48.0	61.0	67.0
1/2	66.0	74.0	92.0	104.0
9/16	94.0	105.0	133.0	149.0
5/8	130.0	148.0	183.0	208.0
3/4	231.0	258.0	326.0	364.0
7/8	373.0	410.0	525.0	579.0
1	558.0	610.0	787.0	826.0



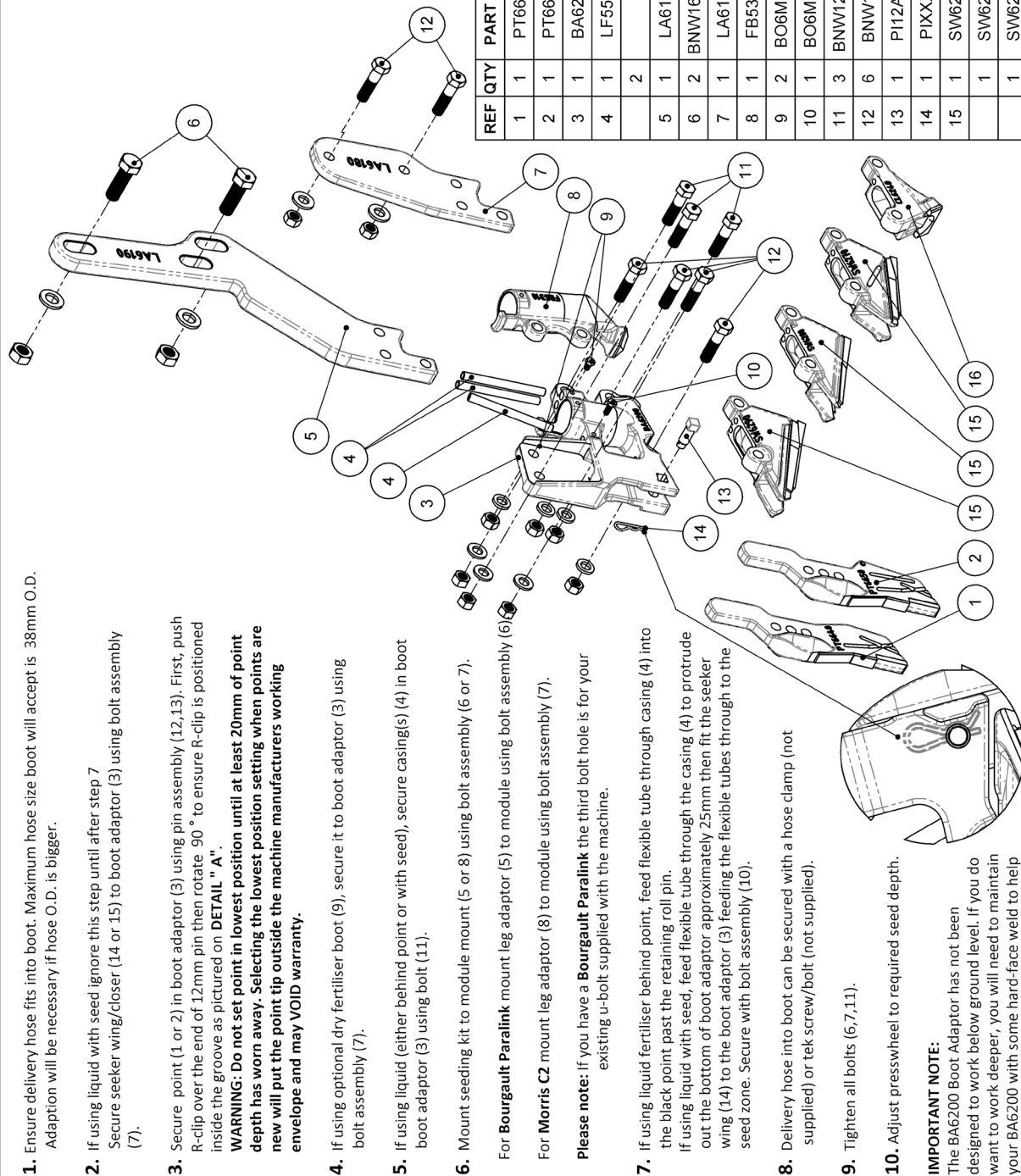
ASSEMBLY INSTRUCTIONS

EMU TRACKER

If you are using EMU TRACKER wheels, please use the following instructions.



1. Before fitting, make sure the EMU TRACKER wheel is positioned in the correct direction to reduce string/twine being pick up by feet when it rolls.
2. The EMU TRACKER wheel fits directly onto existing hub on your machine. Re-use nuts to fasten.



REF	QTY	PART No.	DESCRIPTION
1	1	PT6640	STANDARD POINT
2	1	PT6650	LIQUID POINT
3	1	BA6200	MODULE BOOT ADAPTOR
4	1	LF5520	LIQUID CASING TUBE (SUPPLIED WITH PT6050)
	2		(OPTIONAL FOR LIQUID WITH SEED)
5	1	LA6190	LEG ADAPTOR BOURGAULT
6	2	BNW16M55	BOLT, M16 x 55mm GR10.9 HEX, WASHER, CONELOCK NUT
7	1	LA6180	LEG ADAPTOR MORRIS C2
8	1	FB5310	FERTILISER BOOT
9	2	BO6M10S	BOLT, M6 x 10mm HEX
10	1	BO6M16S	BOLT, M6 x 16mm HEX
11	3	BNW12134	BOLT, 1/2" x 1 3/4" GR8.8, WASHER, CONELOCK NUT
12	6	BNW122	BOLT, 1/2" x 2" GR8.8, WASHER, CONELOCK NUT
13	1	PI12A41	PIN, 12mm SQUARE NECK
14	1	PIXXX	R - CLIP OR SPLIT PIN
15	1	SW6290	MODULE SEEKER WING 95mm
	1	SW6280	MODULE SEEKER WING 85mm
	1	SW6270	MODULE SEEKER WING 75mm
16	1	CL6240	MODULE CLOSER 45mm

1. Ensure delivery hose fits into boot. Maximum hose size boot will accept is 38mm O.D. Adaption will be necessary if hose O.D. is bigger.

2. If using liquid with seed ignore this step until after step 7
Secure seeker wing/closer (14 or 15) to boot adaptor (3) using bolt assembly (7).

3. Secure point (1 or 2) in boot adaptor (3) using pin assembly (12,13). First, push R-clip over the end of 12mm pin then rotate 90° to ensure R-clip is positioned inside the groove as pictured on **DETAIL "A"**.

WARNING: Do not set point in lowest position until at least 20mm of point depth has worn away. Selecting the lowest position setting when points are new will put the point tip outside the machine manufacturers working envelope and may VOID warranty.

4. If using optional dry fertiliser boot (9), secure it to boot adaptor (3) using bolt assembly (7).

5. If using liquid (either behind point or with seed), secure casing(s) (4) in boot boot adaptor (3) using bolt (11).

6. Mount seeding kit to module mount (5 or 8) using bolt assembly (6 or 7).

For **Bourgault Paralink** mount leg adaptor (5) to module using bolt assembly (6)

For **Morris C2** mount leg adaptor (8) to module using bolt assembly (7).

Please note: If you have a **Bourgault Paralink** the third bolt hole is for your existing u-bolt supplied with the machine.

7. If using liquid fertiliser behind point, feed flexible tube through casing (4) into the black point past the retaining roll pin.

If using liquid with seed, feed flexible tube through the casing (4) to protrude out the bottom of boot adaptor approximately 25mm then fit the seeker wing (14) to the boot adaptor (3) feeding the flexible tubes through to the seed zone. Secure with bolt assembly (10).

8. Delivery hose into boot can be secured with a hose clamp (not supplied) or tek screw/bolt (not supplied).

9. Tighten all bolts (6,7,11).

10. Adjust presswheel to required seed depth.

IMPORTANT NOTE:

The BA6200 Boot Adaptor has not been designed to work below ground level. If you do want to work deeper, you will need to maintain your BA6200 with some hard-face weld to help prevent excessive wear.

DETAIL "A"

RE-TENSION ALL BOLTS AFTER 8hrs WORKING

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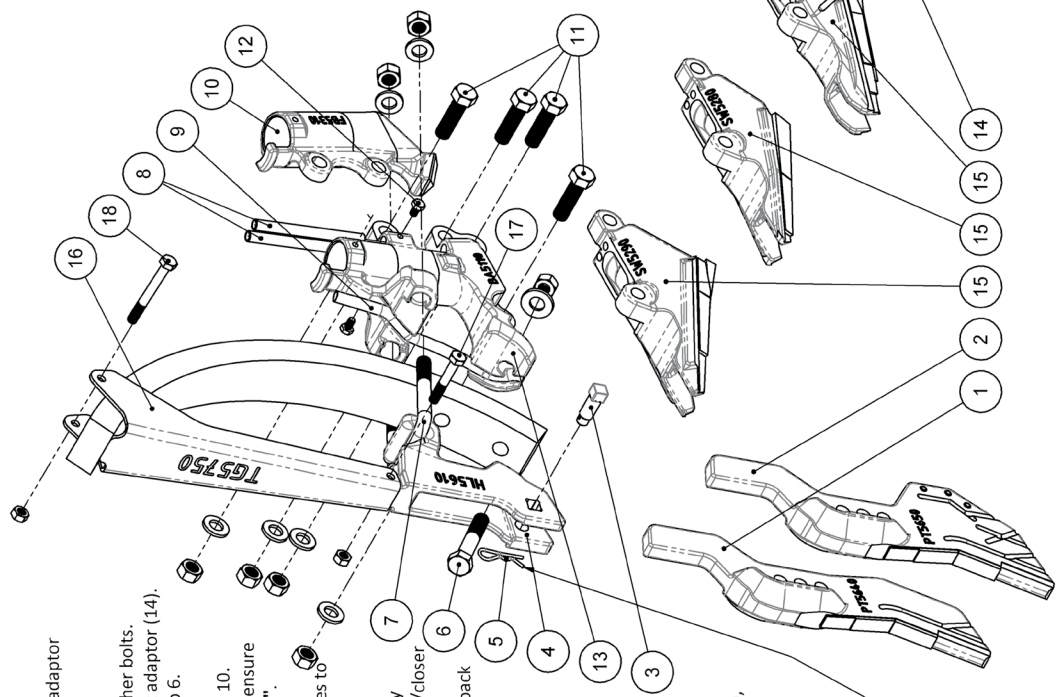
ASSY INSTRUCTIONS
MULTI BOOT MODULE for
MORRIS QUANTUM,
C2 & BOURGAULT PARALINK

DWG No:
A12030

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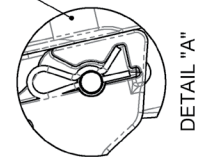
ASSEMBLY INSTRUCTIONS

REF	QTY	PART No.	DESCRIPTION
1	1	PT5640/PT5660	ADJUSTABLE STD POINT
2	1	PT5650/PT5670	ADJUSTABLE LIQUID POINT
3	1	PI12A41	PIN, 12mm SQUARE NECK
4	1	HL5610	POINT HOLDER
5	1	PIXXXX	R - CLIP OR SPLIT PIN
6	1	BNW122XX	BOLT, 1/2" x 2.3/4" OR 3", WASHER, CONELOCK NUT
7	1	UBN5611	U-BOLT, M12 80x84, WASHER, NYLOC NUT
8	2	LF5520	LIQUID WITH SEE CASING TUBE
9	1	LF5420/LF5530	LIQUID FERTILISER TUBE CASING TUBE
10	1	FB5310	DRY FERTILISER BOOT
11	4	BNW122	BOLT, 1/2" x 2", WASHER, CONELOCK NUT
12	2	BO6M10S	BOLT, M6 x 10mm HEX
13	1	BA5110/BA5120	BOOT ADAPTOR
14	1	CL5240	CLOSER 45mm
15	1	SW5270	SEEKER WING 75mm
	1	SW5280	SEEKER WING 85mm
	1	SW5290	SEEKER WING 95mm
16	1	TG5750	TRASH GUARD
17	1	BON8M45	BOLT, M8 x 45mm, NYLOC NUT
18	1	BON8M65	BOLT, M8 x 65mm, NYLOC NUT



1. Ensure delivery hose fits into boot. Maximum hose size boot will accept is 38mm O.D. Adaption will be necessary if hose O.D. is bigger.
2. Bolt point holder (4) to tyne using tyne bolt assembly (6). DO NOT TIGHTEN. If using liquid fertiliser to the back of point, lay casing LF5420 (9) into grooves at front of boot adaptor BA5110 (14) This tube can be curved to tyne shape later to prevent any fouling.
3. Use U bolt assembly (7) to secure point holder, tyne and boot adaptor (13). DO NOT TIGHTEN.
4. Align all parts to tyne and tighten u-bolt first, followed by all other bolts. If using liquid with seed, slide casing tube LF5520 (8) into boot adaptor (14). Fit loosely with M6 bolt BUT DO NOT TIGHTEN until after Step 6.
5. Secure point (1) into holder with pin (3) and R clip (5) until Step 10. First, push R-clip over the end of 12mm pin then rotate 90° to ensure R-clip is positioned inside the groove as pictured on **DETAIL "A"**.
6. Feed any flexible liquid with the seed tubes through casing tubes to protrude approximately 25mm.
7. Fit seeker wings/closer (14,15) to boot adaptor (13) feeding any flexible liquid tubes through outlets to seed zone. Secure wing/closer (14,15) to boot adaptor (13) using bolt assembly (11). Feed any flex liquid fertiliser tubes through casing (9) into the back of point to desired depth.
8. If using optional dry fertiliser boot FB5310 (10), secure to boot adaptor (13) with bolt assembly (11).
9. Delivery hose into boot can be secured with a hose clamp (not supplied) or tek screw/bolt (not supplied).
10. Tighten all remaining bolts.
11. If fitting optional trashguards; Fit bolt (17) through guard (16), and holder (4). Fit bolt (18) behind tyne at top of trashguard. Do not overtighten (18).

RE-TENSION ALL BOLTS AFTER 8hrs WORKING



DETAIL "A"

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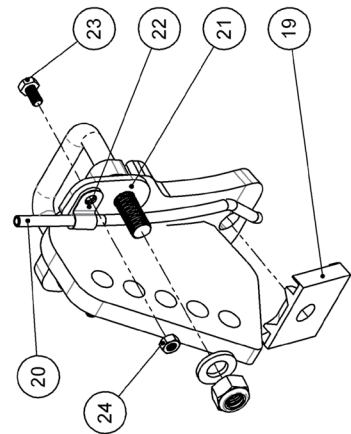
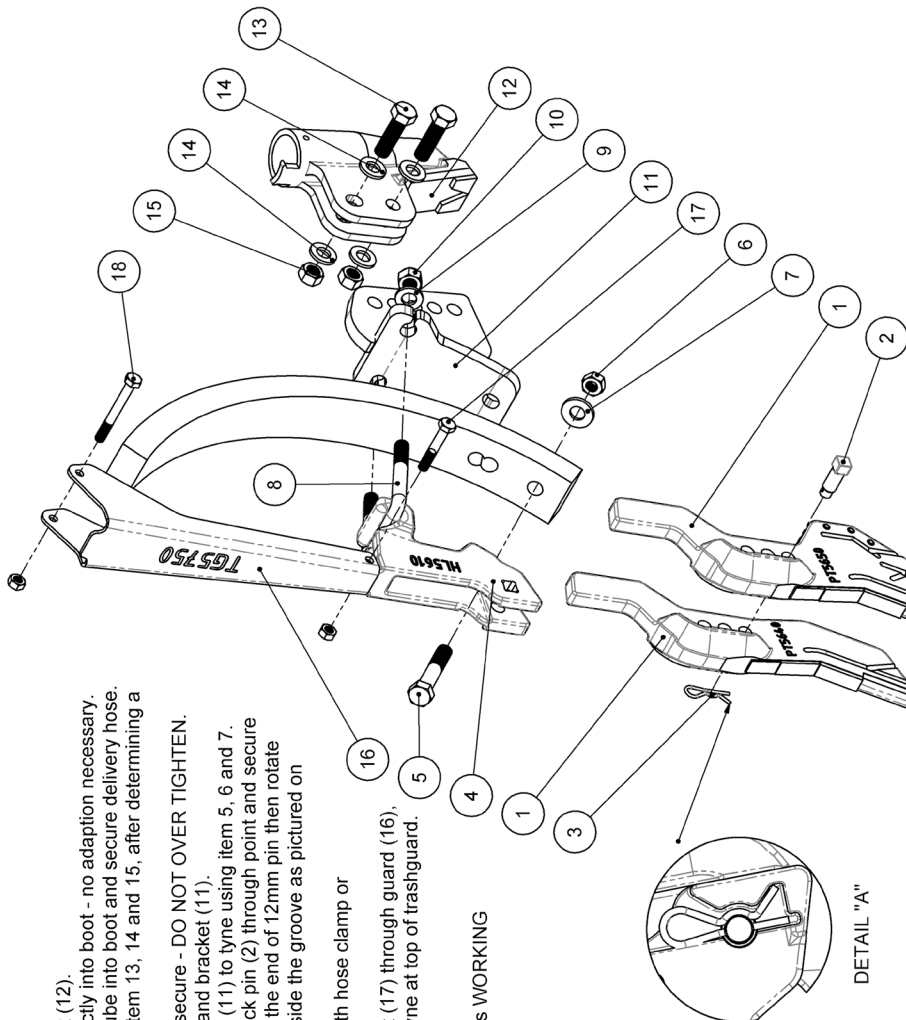
ASSY INSTRUCTIONS
MULTI BOOT
C - SHANK

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ASSEMBLY INSTRUCTIONS

POINT AND BOOT		
REF	QTY	PART No. DESCRIPTION
1	1	PT5640/PT5660 ADJUSTABLE STD POINT
1	1	PT5650/PT5670 ADJUSTABLE LIQUID POINT
2	1	PI12A41 PIN, 12mm SQUARE NECK
3	1	PI432R R CLIP
4	1	HL5610 POINT HOLDER
5	1	BO123 BOLT, 1/2" x 3" UNF
6	1	BO12212 BOLT, 1/2" x 2 1/2" UNF
7	1	NU12CL NUT, 1/2" UNF
7	1	WA12MC CONICAL WASHER, M12
8	1	UB5611 U-BOLT, M12
9	2	WA12MC CONICAL WASHER, M12
10	2	NU12MNY NUT, M12 NYLOC
11	1	BR5810 BRACKET, TO SUIT TYNE
12	1	BT25XX BOOT - TO SUIT APPLICATION
13	2	BO122 BOLT, 1/2" x 2" UNF
14	4	WA12MC WASHER, M12 CONICAL
15	2	NU12CL NUT, 1/2" UNF
16	1	TG5750 TRASH GUARD
17	1	BON8M45 BOLT, M8 x 45mm, NYLOC NUT
18	2	BON8M65 BOLT, M8 x 65mm, NYLOC NUT

LIQUID ATTACHMENT		
19	1	LF2520 CLAMP PLATE - DOUBLE
20	1	LF2510/30 CLAMP PLATE - SINGLE
21	1	LF2570/80 TUBE - 6mm OR 10mm
22	1	P CLAMP WC
23	1	PC6S P CLAMP - 6mm
24	1	BO6M20 BOLT, M6 x 20mm
24	1	NU6MNY NUT, M6 NYLOC



POINT AND BOOT

1. Make delivery hose adaption to boot (12).
Delivery hose 32 - 38 OD will fit directly into boot - no adaption necessary.
For 38 ID hose secure 38 OD poly tube into boot and secure delivery hose.
2. Bolt boot (12) to bracket (11) using item 13, 14 and 15, after determining a suitable height.
3. Fit U bolt (8) using item 9 and 10 to secure - DO NOT OVER TIGHTEN.
Tighten nuts (6) securing holder (4) and bracket (11).
4. Loosely point holder (4) and bracket (11) to tyne using item 5, 6 and 7.
5. Fit point (1) into holder, fit square neck pin (2) through point and secure with r clip (3). First, push R-clip over the end of 12mm pin then rotate 90° to ensure R-clip is positioned inside the groove as pictured on **DETAIL "A"**.
6. Secure delivery hose to boot (12) with hose clamp or Tek screw (not supplied).
7. If fitting optional trashguards; Fit bolt (17) through guard (16), and holder (4). Fit bolt (18) behind tyne at top of trashguard.
Do not overtighten (18).

RE-TENSION ALL BOLTS AFTER 8hrs WORKING

LIQUID ATTACHMENT

1. Place clamp plate (20) over S bend in tube (21) and secure to lower hole of boot bracket (11) and tyne using 1/2" longer bolt.
2. Secure P clamp lug (22) to U bolt leg with P clamp mounting hole above boot bracket (11).
3. Fit P clamp (23) over the tube (21) then secure P clamp to lug with M6 x 20 bolt (24), washer and nut. Tube should fit up close against the central vertical plate of boot bracket (11) and can be curved to suit bracket profile.
NOTE: Stainless tube (21) is a casing of smaller flexible delivery pipe (not supplied) and should finish close to the bottom of the clamp plate (20).
The flexible delivery pipe continues into the back of the liquid point.

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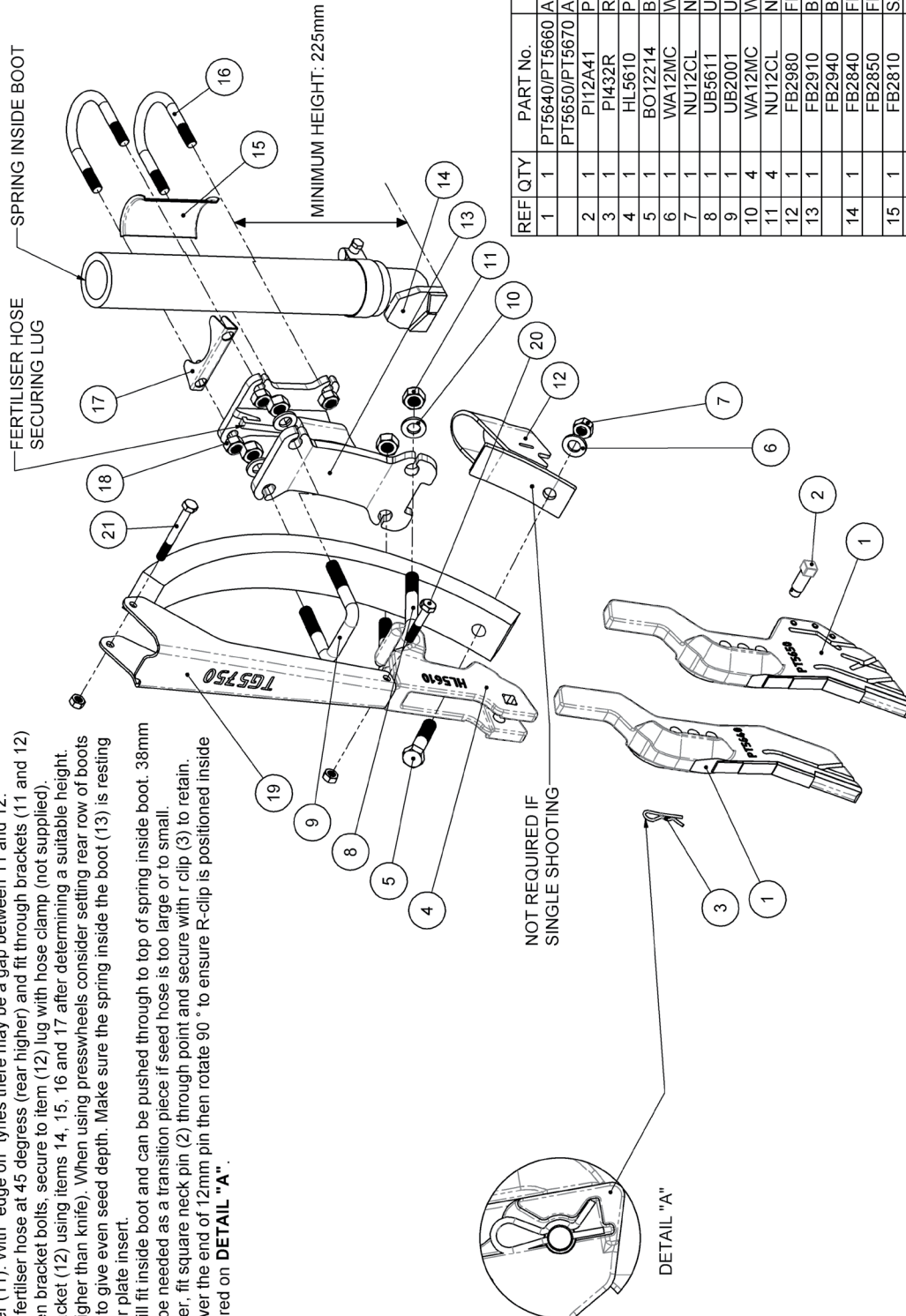
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NT19 POINTS AND BOOTS

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ASSEMBLY INSTRUCTIONS

RE-TENSION ALL BOLTS AFTER 8hrs WORKING



1. Loosely fit holder (4) and fertiliser hose holder (11) to tyne using items 5, 6 and 7.
2. Fit bracket (12) to tyne above item (11) using items 8, 9 and 10. On flat tyne the bracket (12) rests against holder (11). With "edge on" tynes there may be a gap between 11 and 12.
3. Cut the end of the fertiliser hose at 45 degrees (rear higher) and fit through brackets (11 and 12) until end is between bracket bolts, secure to item (12) lug with hose clamp (not supplied).
4. Fit boot (13) to bracket (12) using items 14, 15, 16 and 17 after determining a suitable height. (normally 50mm higher than knife). When using presswheels consider setting rear row of boots 10 to 15mm lower to give even seed depth. Make sure the spring inside the boot (13) is resting on top of the closer plate insert.
5. Most seed hose will fit inside boot and can be pushed through to top of spring inside boot. 38mm OD poly pipe maybe needed as a transition piece if seed hose is too large or too small.
6. Fit point (1) to holder, fit square neck pin (2) through point and secure with r clip (3) to retain. First, push R-clip over the end of 12mm pin then rotate 90 ° to ensure R-clip is positioned inside the groove as pictured on **DETAIL "A"**.

NOT REQUIRED IF
SINGLE SHOOTING

DETAIL "A"

REF	QTY	PART No.	DESCRIPTION
1	1	PT5640/PT5660	ADJUSTABLE STD POINT
		PT5650/PT5670	ADJUSTABLE LIQUID POINT
2	1	PI12A41	PIN, 12mm SQUARE NECK
3	1	PI432R	R CLIP
4	1	HL5610	POINT HOLDER
5	1	BO12214	BOLT, 1/2" UNF x 2 1/4"
6	1	WA12MC	WASHER, M12 CONICAL
7	1	NU12CL	NUT, 1/2" UNF
8	1	UB5611	U-BOLT, M12
9	1	UB2001	U-BOLT, M10
10	4	WA12MC	WASHER, M12 CONICAL
11	4	NU12CL	NUT, 1/2" UNF
12	1	FB2980	FERTILISER HOSE HOLDER
13	1	FB2910	BRACKET - FLAT ON TYNE
		FB2940	BRACKET - EDGE ON TYNE
14	1	FB2840	FLEXI BOOT - 40mm CLOSER
		FB2850	FLEXI BOOT - 50mm CLOSER
15	1	FB2810	SADDLE
16	2	UB2007	U-BOLT, M10
17	1	FB2820	CLAMP
18	4	NU10MN	NUT, M10 NYLOC
19	1	TG5750	TRASH GUARD
20	1	BON8M45	BOLT, M8 x 45mm, NYLOC NUT
21	1	BON8M65	BOLT, M8 x 65mm, NYLOC NUT

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ASSY INSTRUCTIONS
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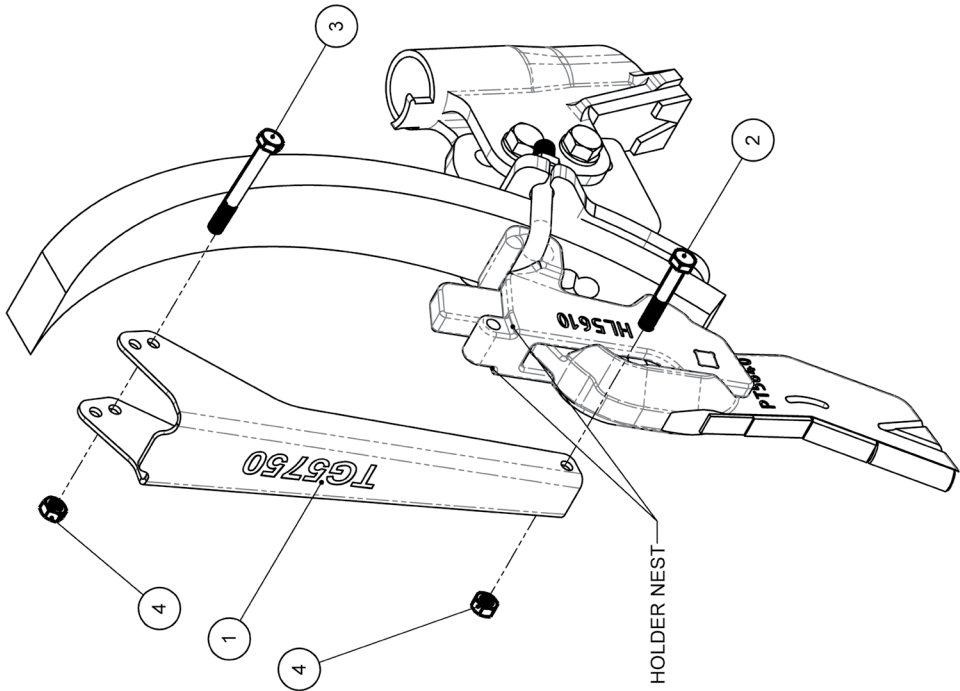
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ASSEMBLY INSTRUCTIONS

RETENSION ALL BOLTS AFTER 8hrs WORKING

- 1. Fit bolt (2) through bottom hole of trashguard (1) and secure with nut, fit guard (1) to tyne making sure the lower edge is correctly located to the holder nest. Fit bolt (3) through the upper holes of trashguard and secure with nut (4).
- 2. Top of trashguard can be tapped against tyne to bend trashguard lug to expose closer holes for item (3).



REF	QTY	PART No.	DESCRIPTION
1	1	TG5730	FOR 50mm WIDE TYNES
		TG5750	FOR 28mm WIDE TYNES
2	1	BO8M45	BOLT, M8 x 45mm, 8.8GR
3	1	BO8M65	BOLT, M8 x 65mm, 8.8GR
4	2	NU8MNY	NUT, M8 NYLOCK

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ASSY INSTRUCTIONS
TRASH GUARD NT19

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ASSEMBLY INSTRUCTIONS

LIQUID N ATTACHMENT

1. Place clamp plate (20) over S bend in tube (21) and secure to lower hole of boot bracket (11) and line using 1/2" longer bolt.
2. Secure P clamp lug (22) to U bolt leg with P clamp mounting hole above boot bracket (11).
3. Fit P clamp (23) over the tube (21) then secure P clamp to lug with M6 x 20 bolt, washer and nut. Tube should fit up close against the central vertical plate of boot bracket (11) and can be curved to suit bracket profile.

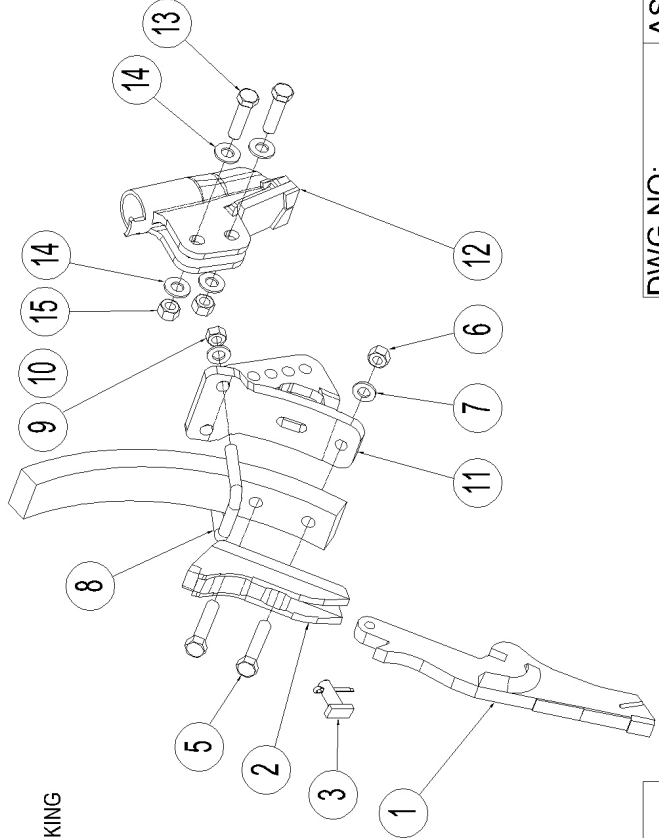
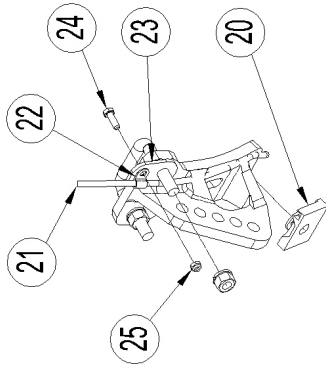
NOTE: Stainless tube (21) is a casing for smaller flexible delivery pipe (not supplied) and should finish close to the bottom of the clamp plate (20).

The flexible delivery pipe continues into the back of the liquid point.

POINT AND BOOT

1. Make delivery hose adaption to boot (12).
Delivery hose 32 -38 OD will fit directly into boot - no adaption necessary.
For 38 ID hose secure 38 OD poly tube into boot and secure inside delivery hose.
2. Bolt boot (12) to bracket (11) using items 13, 14 & 15, after determining a suitable height.
3. Loosely bolt holder (2) and bracket (11) to tyne using items 5, 6 & 7.
4. Fit U bolt (8) using item 9 & 10 to secure - DO NOT OVER TIGHTEN. Tighten nuts (6) securing holder (2) and bracket (11).
5. Fit point (1) into holder (2), fit lynch pin (3) through point and secure with loop over end of point (1) to retain.
6. Secure delivery hose to boot (12) with hose clamp or Tek screw (not supplied).

RETENSION ALL BOLTS AFTER 8 hrs WORKING



DOUBLE QUANTITIES OF ITEMS 21 TO 26 INCL FOR DOUBLE KIT

25	1	NU6MNY	NYLOC NUT M6
24	1	UB1003	BOLT M6 X 20
23	1	PC6S	P CLAMP - 6 mm
22	1	LF2550	P CLAMP WC
21	1	LF2570/80	TUBE - 6 mm OT 10 mm
20	1	LF2520	CLAMP PLATE - DOUBLE
20	1	LF2510/30	CLAMP PLATE - SINGLE

LIQUID N KIT

15	2	NU12CL	NUT 1/2" UNF
14	4	WA12MC	CONICAL WASHER M12
13	2	BO122	BOLT 1/2" UNF X 2
12	1	BT25XX	BOOT - TO SUIT APPLICATION
11	1	BR20X0	BRACKET - TO SUIT TYNE
10	2	WA12MC	CONICAL WASHER M12
9	2	NU12MNY	NYLOC NUT M12
8	1	UB2002	U BOLT FOR UP TO 28 WIDE TYNES
8	1	UB2001	U BOLT FOR 50 WIDE TYNES
7	2	WA12MC	CONICAL WASHER M12
7	2	WA716F	FLAT WASHER 7/16"
6	2	NU12CL	NUT 1/2" UNF
6	2	NU716CL	NUT 7/16" UNF
5	2	BO123	BOLT 1/2" UNF X 3"
5	2	BO12212	BOLT 1/2" UNF X 2 1/2"
5	2	BO716234	BOLT 7/16" UNF X 2 3/4"
3	1	TSP	T PIN & SPLIT PIN
2	1	HL11XX	HOLDER - TO SUIT TYNE
1	1	PT11XX	POINT - TO SUIT TYNE
REF	QTY	PART No	DESCRIPTION

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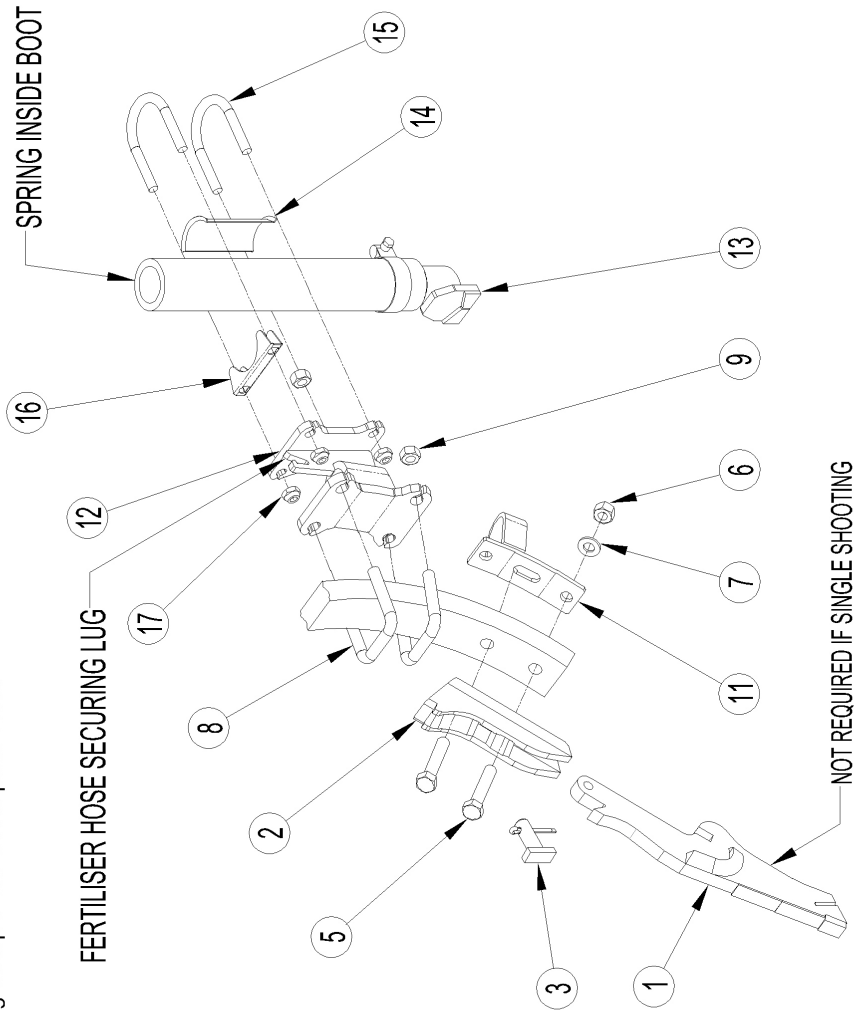
ASSY INSTRUCTIONS
NT11 POINTS & BOOTS

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ASSEMBLY INSTRUCTIONS

- Most seed hose will fit inside boot and can be pushed through to top of spring. Inside boot. 38 mm OD poly pipe may be needed as a transition piece if seed hose is too large or too small.
- Fit point (1) to holder (2), fit lynch pin (3) through point and secure with loop over point (1) to retain.

RETENSION ALL BOLTS AFTER 8 hrs WORKING



17	4	NU10MN	NYLOC NUT M10
16	1	FB2820	CLAMP
15	2	UB2007	U BOLT
14	1	FB2810	SADDLE
13	1	FB28XX	BOOT - TO SUIT APPLICATION
12	1	FB27XX	BRACKET - TO SUIT TYNE
11	1	FB2800	FERTILISER HOSE HOLDER
10			
9	2	NU12MNY	NYLOC NUT M12
8	1	UB2002	U BOLT FOR UP TO 28 WIDE TYNES
8	1	UB2001	U BOLT FOR 50 WIDE TYNES
7	2	WA12MC	CONICAL WASHER M12
7	2	WA716F	FLAT WASHER 7/16"
6	2	NU12CL	NUT 1/2" UNF
6	2	NU716CL	NUT 7/16" UNF
5	2	BO1212	BOLT 1/2" UNF X 2 1/2"
5	2	BO12214	BOLT 1/2" UNF X 2 1/4"
5	2	BO716212	BOLT 7/16" UNF X 2 1/2"
3	1	TSP	T PIN & SPLIT PIN
2	1	HL11XX	HOLDER - TO SUIT TYNE
1	1	PT11XX	POINT - TO SUIT TYNE
REF	QTY	PART No	DESCRIPTION

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ASSY INSTRUCTIONS
FLEXI BOOT AND POINT

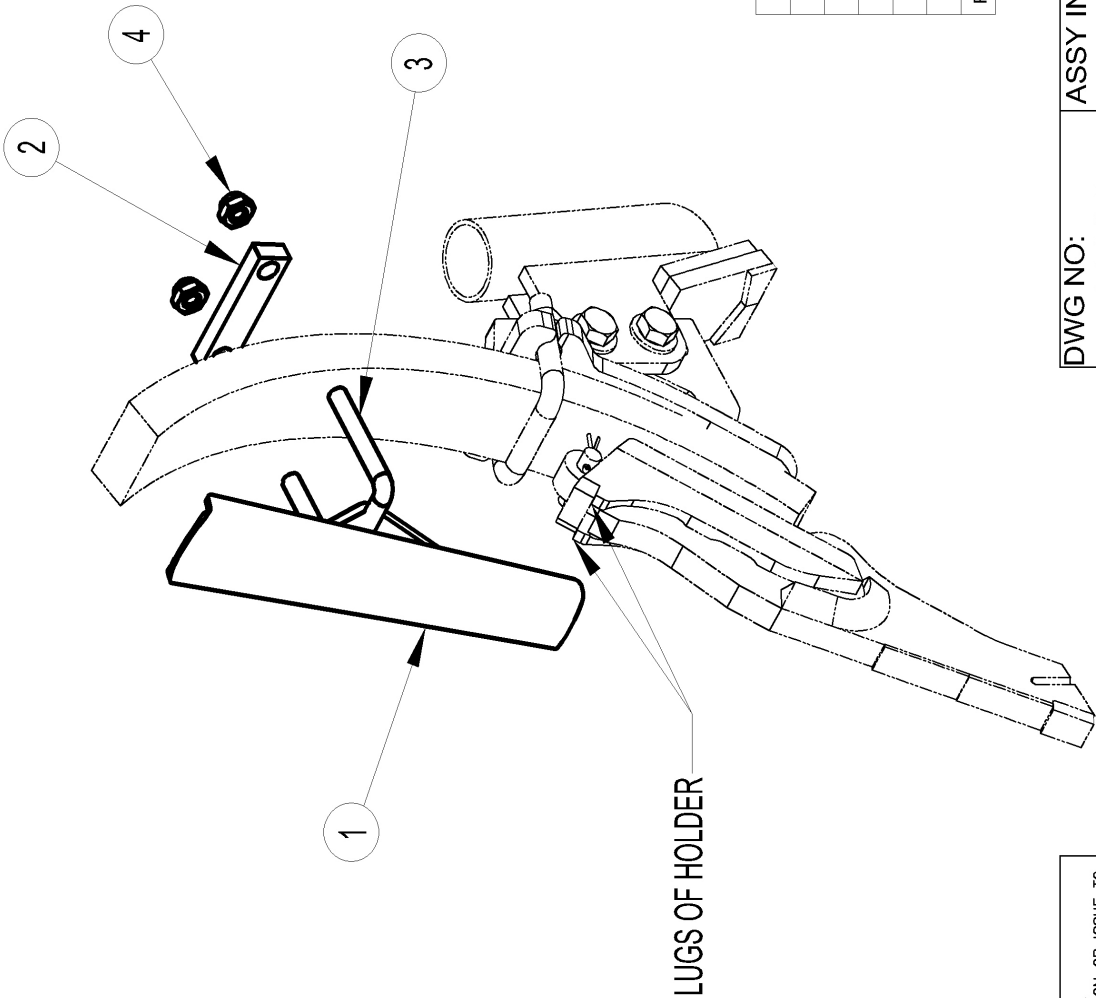
DWG NO:
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ASSEMBLY INSTRUCTIONS

RETENSION ALL BOLTS AFTER 8 hrs WORKING

1. fit U bolt (3) through guard (1), fit guard (1) to tyne making sure the lower edge is correctly located in the lugs of holder. Fit lug (2) over U bolt (3) and secure with nuts (4) - DO NOT OVER TIGHTEN.



4	2	NU10MNY	NYLOC NUT M10
3	1	UB1003	U BOLT FOR 50 WIDE TYNES
3	1	UB1004	U BOLT FOR 28 WIDE TYNES
2	1	TG1175	LUG - FOR 50 WIDE TYNES
2	1	TG1173	LUG - FOR 28 WIDE TYNES
1	1	TG1170	TRASHGUARD
REF	QTY	PART No	DRG SIZE
DESCRIPTION			

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ASSY INSTRUCTIONS

TRASH GUARD

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ASSEMBLY INSTRUCTIONS

RETENSION ALL BOLTS AFTER 8 hrs WORKING

1. Make delivery hose adaption to boot (7).
Some common methods are (depending on delivery hose size).
 - * Fix a short piece of 1 1/4" or 32 mm poly pipe with a maximum 38 mm OD into boot. Most hoses will plug inside or over outside of this pipe.
 - * Fix delivery hose directly into boot.
 - * Weld suitable size pipe sleeve onto boot (7) to accept delivery hose.

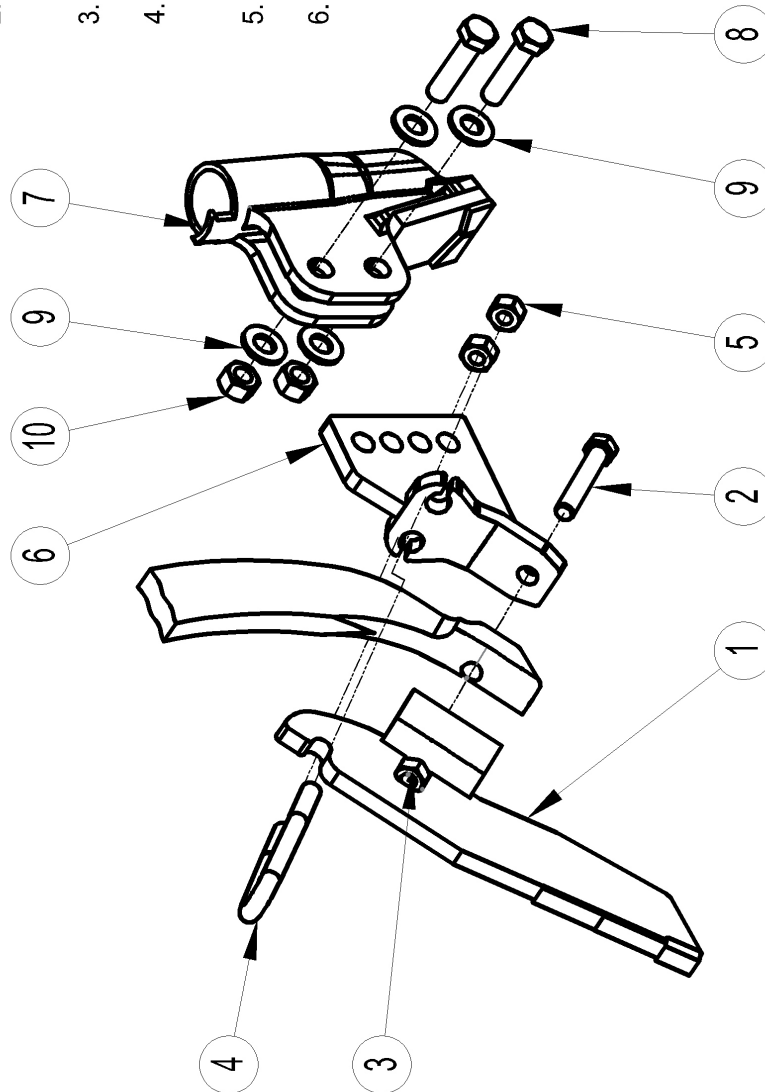
2. Bolt boot (7) to bracket (6) using items 8, 9 & 10, after determining a suitable height.

3. Loosely bolt point (1) and bracket (6) to tyne using items 2, & 3.

4. Loosley fit U bolt (4) around top of point and secure thru bracket (6) with nuts (5).

5. Tighten bolt (2).

6. Nip up bolt (4) - **DO NOT OVER TIGHTEN**



10	2	NU12CL		NUT 1/2" UNF
9	4	WA12MC		CONICAL WASHER M12
8	2	BO122		BOLT 1/2" UNF X 2"
7	1	BT25XX		BOOT - TO SUIT APPLICATION
6	1	BR22XX		BRACKET - TO SUIT TYNE
5	2	NU12MNY		NUT M12
4	1	UB2003		U BOLT FOR SCARIFIERS
4	1	UB2004		U BOLT FOR SEEDERS
3	1	NU12CL		NUT 1/2" UNF FOR SCARIFIERS
3	1	NU716CL		NUT 7/16" UNF FOR SEEDERS
2	1	BO12214		BOLT 1/2" UNF X 2 1/4" FOR SCARIFIERS
2	1	BO716212		BOLT 7/16" UNF X 2 1/2" FOR SEEDERS
1	1	PT18XX		POINT - TO SUIT TYNE
REF	QTY	PART No	DRG SIZE	DESCRIPTION

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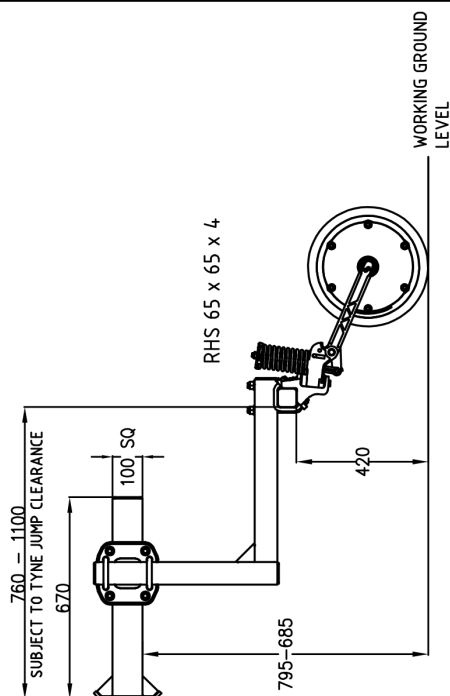
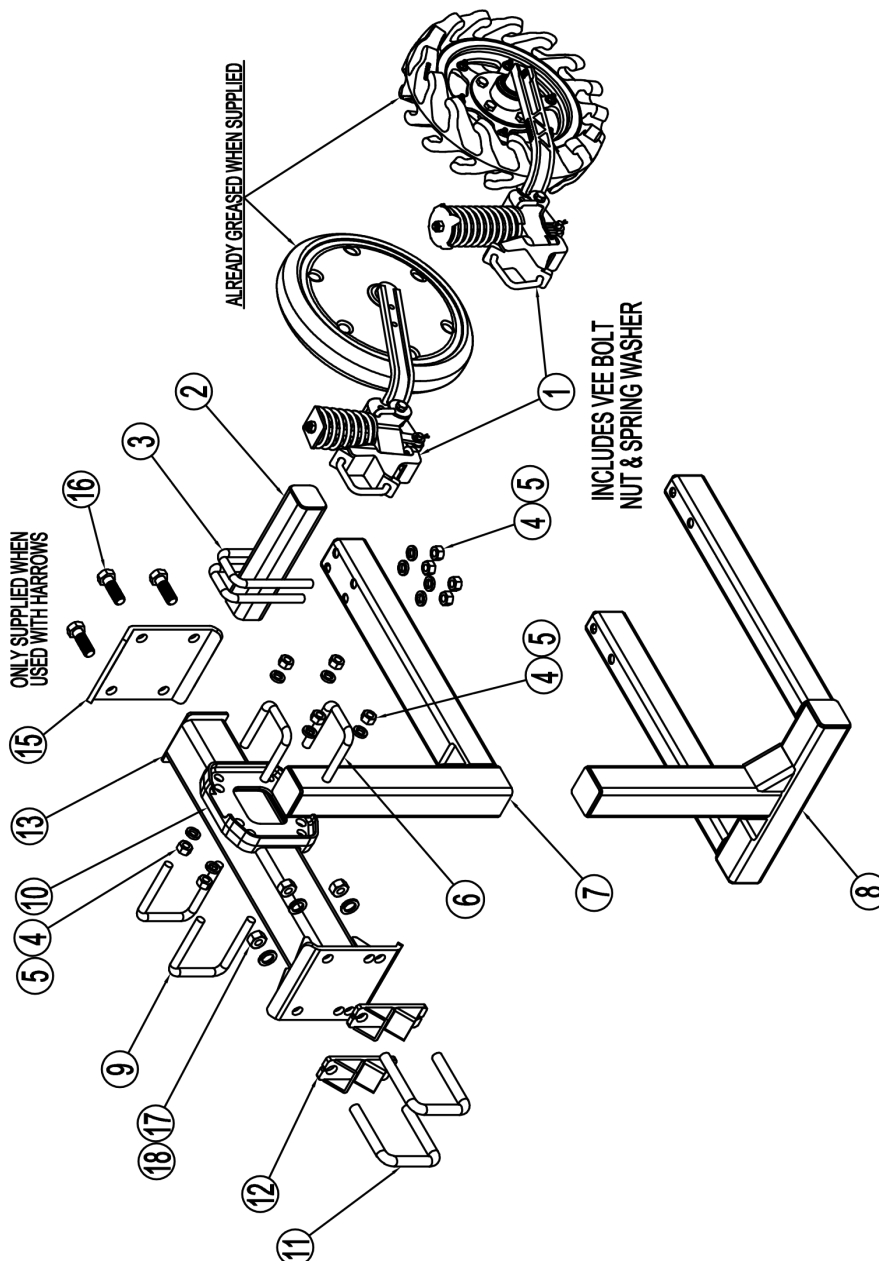
ASSY INSTRUCTIONS
NT08 POINTS AND BOOTS

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WARNING: FOLD MACHINE VERY CAREFULLY THE FIRST TIME AFTER FITTING ATTACHMENTS, LOOK FOR FOULS RE-TENSION ALL BOLTS AFTER 8 hrs WORKING

PRESS WHEEL ASSEMBLY WITHOUT HARROWS

1. For each section determine 2 available spaces, minimum 20 cm, approximately 1/4 distance in from ends of section. ie 4 m section, locate extensions (13) as close to 1 m in from each end as spaces permit.
2. With extensions fitted attach dropper (7 or 8) and locator plate (10) and determine breakout clearance behind last rank of tines with RHS (2) at 42 cm to 45 cm from bottom of RHS (2) to working ground level.
3. Fit RHS (2) above or below it as determined in step 2. Leave 5 cm gap between ends of RHS (2) to ensure clearance for machine movement.
4. Position and fix press wheel assemblies in line with tines. If Vee bolt interferes with droppers (7 or 8), adjust position of extension (13).
5. Adjust down pressure as required.



18	4(4)	WA20MC	CONICAL WASHER - M20
17	4(4)	NU20MZP	NUT - M20
16	4	BO20M60	BOLT - M20 X 60
15	1	FE4032	HARROW CONNECT PLATE - TO BE WELDED
13	1	FE4030	EXTENSION MAIN ARM
12	2	HS3080	CLAMP PLATE FOR DIAMOND ORIENTATION ONLY
11	2	UB3006	U BOLT M20 X 150 X 122 FOR DIAGONAL RHS
11	2	UB3005	U BOLT M20 X 110 X 77 FOR 75 RHS
11	2	UB3004	U BOLT M20 X 135 X 102 FOR 100 RHS
10	1	FE4020	LOCATOR PLATE
9	2	UB3002	U BOLT - M16
8	1	FE4015	DOUBLE DROPPER
7	1	FE4010	SINGLE DROPPER
6	2	UB4003	U BOLT - M16
5	12	WA16MC	CONICAL WASHER - M16
4	12	NU16MZP	NUT - M16
3	1	UB4002	U BOLT - M16
2	1	RH65654	65 x 65 x 4 RHS LENGTH AS REQD
1	AR	PW4100 - PW4150	PRESS WHEEL ASSEMBLY
REF	QTY	PART No	DESCRIPTION

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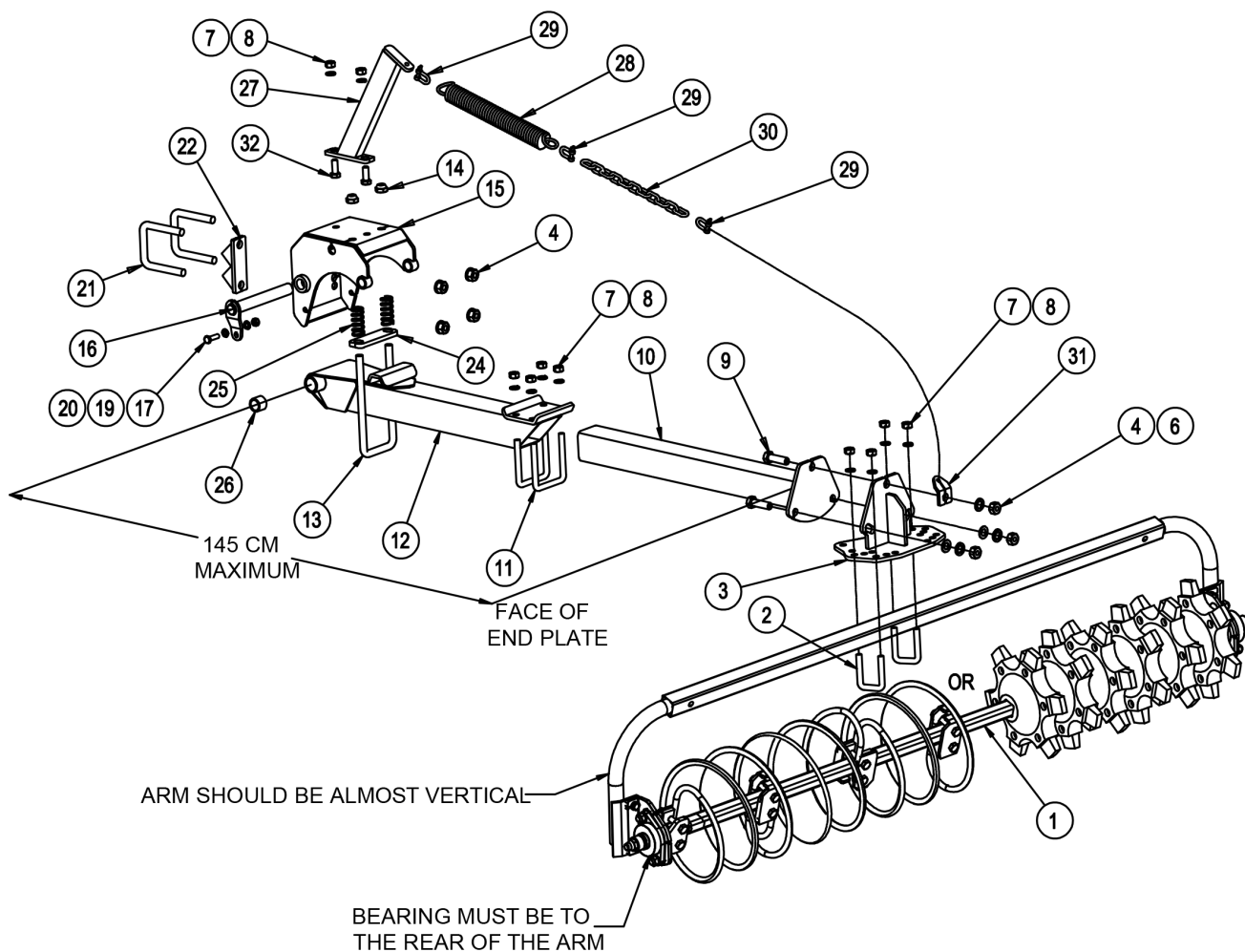
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ASSY INSTRUCTIONS
PRESS WHEELS

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ASSEMBLY INSTRUCTIONS

WARNING: FOLD MACHINE VERY CAREFULLY THE FIRST TIME AFTER FITTING ATTACHMENTS, LOOK FOR FOULS

RE-TENSION ALL BOLTS AFTER 8 hrs WORKING



17	1	BO12M40		BOLT, M12 x 40mm HEX
16	1	HS3040	A4	PIVOT PIN
15	1	HS3030	A4	HEADSTOCK
14	2	NU20MNY		NUT, M20 NYLOC
13	1	UB3001	A4	U-BOLT, M20
12	1	TA3120	A4	OUTER ARM
11	2	UB3002	A4	U-BOLT, M16
10	1	TA3130	A4	INNER ARM
9	3	BO20M60		BOLT, M20 x 60mm HEX
8	8/10	WA16MC		WASHER, M16 CONICAL
7	8/10	NU16M2P		NUT, M16
6	2	WA20MC		WASHER, M20 CONICAL
5				
4	7	NU20M2P		NUT - M20
3	1	HA3310	A4	TURNABLE
2	2	UB3003	A4	U BOLT - M16
1	1	HA3740/50		HARROW GANG ASSEMBLY - COIL
1	1	HA3240/50/60		HARROW GANG ASSEMBLY - STAR
REF	QTY	PART No	DRG SIZE	DESCRIPTION

18				
19	1	WA12MC		WASHER, M12 CONICAL
20	1	NU12MNY		NUT, M12 NYLOC
21	2	UB3004	A4	U-BOLT, M20 x 135 x 102 FOR 100 x 100 SQUARE
21	2	UB3006	A4	U-BOLT, M20 x 150 x 122 ON DIAMOND
22	2	HS3080	A4	CLAMP PLATE FOR UB3006 ON DIAMOND
21	4	BO20M120	A4	BOLT, M20 X 120, W/ WASHER & NUT FOR 75 x 75 SQ
22	2	HS3070	A4	CLAMP PLATE FOR BO20M120 ON 75 x 75 SQUARE
24	1	HS3090	A4	SPRING PLATE - NOT REQD ON NON FOLD M/C
25	2	SP3011	A4	SPRING - NOT REQD ON NON FOLD M/C
26	2	TA3123		BUSH - HARROW ARM
27	1	HK3610	A4	TENSION SPRING ARM
28	1	SP3012	A4	TENSION SPRING
29	3	SH10D		SHACKLE
30	1	CH8		CHAIN
31	1	HK3620	A4	LIFTING LUG
32	2	BO16M40		BOLT, M16 x 40mm HEX

See sheet 2 for assembly instructions

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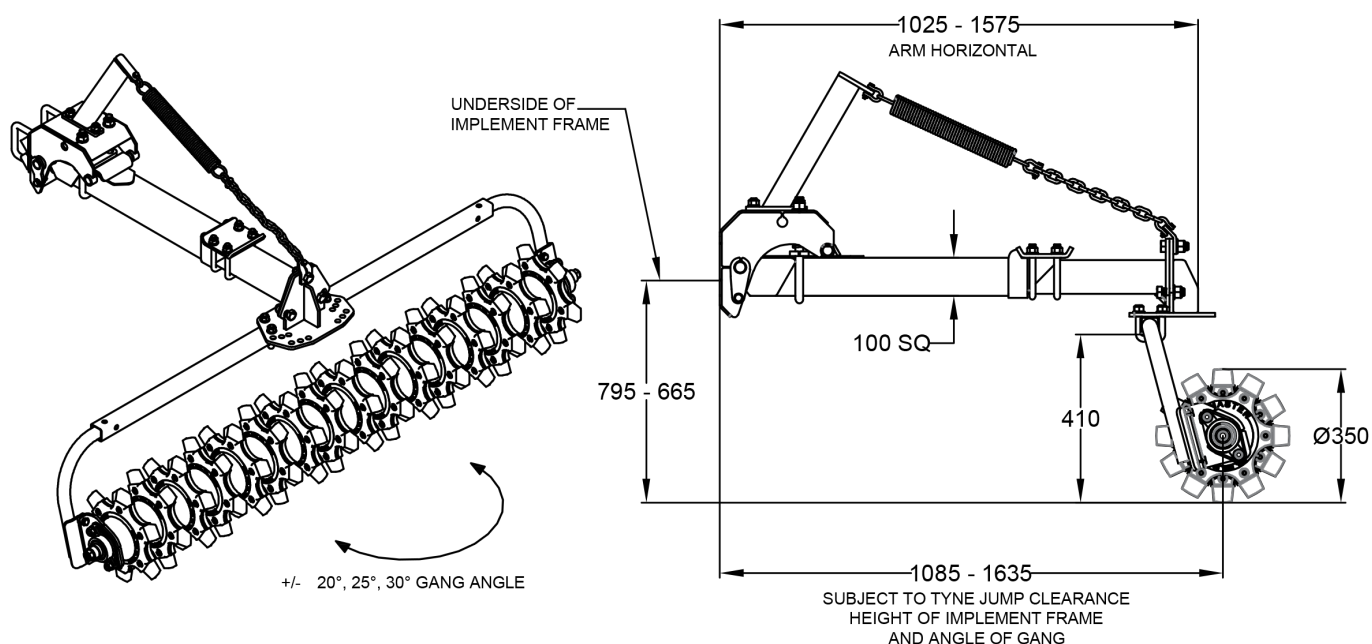
ASSY INSTRUCTIONS

HARROWS SHEET 1 OF 2



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ASSEMBLY INSTRUCTIONS



WARNING: FOLD MACHINE VERY CAREFULLY THE FIRST TIME AFTER FITTING ATTACHMENTS, LOOK FOR FOULS

1. Lay harrow gangs behind the bar (with bearings upwards & U arms forwards) to determine suitable mounting positions. Spaces for the mountings need to be a minimum of 20 cm wide.
2. Mount headstock (15) on rear bar with U bolt (21). If a mounting position is not central to the gang because of an obstruction, find a space close to the centre of the gang (towards the leading end of the gang is preferable).
3. Fit tension spring arm (27) to headstock (15).
4. Mount outer arm (12), large U bolt (13), spring plate (24) and springs (25) to headstock (15). (spring plate (24) & springs (25) not supplied on combines). Fit inner arm (10) into outer arm (12) and secure with U bolts (11).
ENSURE EXTENDED LENGTH OF ARM DOES NOT EXCEED 145 cm AS SHOWN IN THE DIAGRAM
5. Loosely mount turntable (3) to inner arm (10).
6. Bolt gang (1) to turntable (3) at desired angle (20°, 25°, 30° or 35°) using U bolts (2), suggested initial setting of 25°. Gangs can be set all one way or half one way half the other.
IMPORTANT: BEARING ASSEMBLIES MUST BE TOWARDS THE REAR WITH U ARM ALMOST VERTICAL - SEE DIAGRAM.
7. Lower machine to desired working depth.
8. Tighten the turntable (3) to inner arm (10) so the leading end of the gang (1) is about 2 cm higher than the trailing end (leading end tends to dig in).
9. Adjust large U bolt (13) to within 1 cm of the underside of outer arm (12). This U bolt lifts the gang in transport.
10. Fit lifting lug (32) to turntable (3). Adjust length of chain (31) to carry approximately half of the harrow weight.

* Depending on conditions, altering the turntable (3) angle and tension of spring (28) will vary harrow finish.

Test with one gang before adjusting the rest.

* Taking more weight with the spring can have a greater effect than changing the angle of the gang.

* On tillage machines with less than 100 mm square RHS stiffening may be required between ranks near the headstock mount position.

* Grease bearings weekly. Do not over grease as seals may be damaged.

* Retension all bolts after 8 hours working.

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ASSY INSTRUCTIONS
HARROWS SHEET 2 OF 2



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ASSEMBLY INSTRUCTIONS

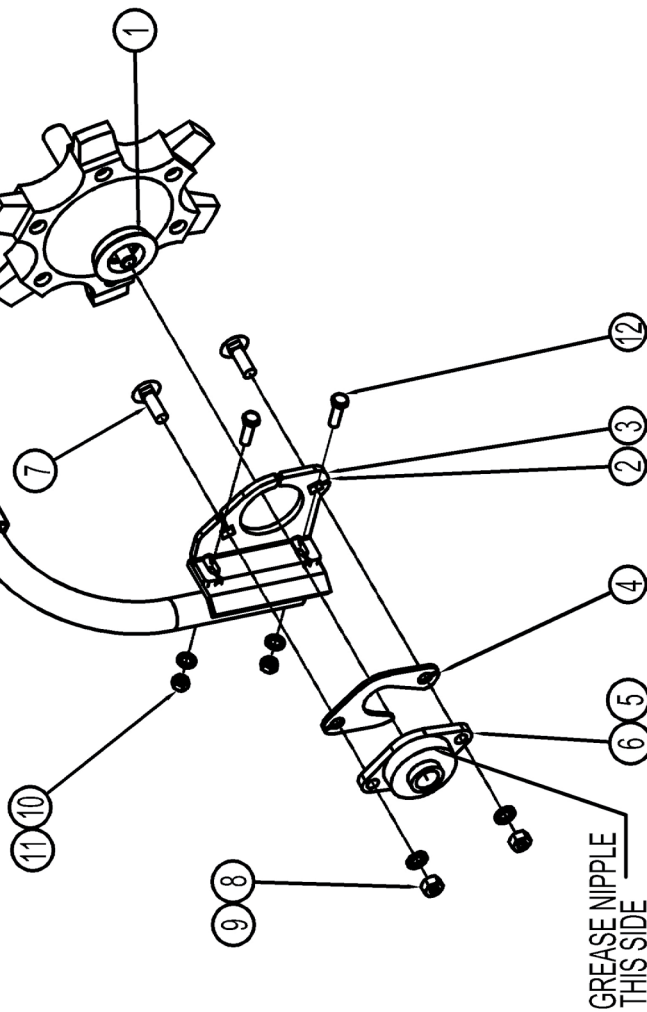
NOTE ITEMS 2 TO 9 INCL. ARE SUPPLIED AS TWO ASSEMBLIES

- 1. Remove existing bearings, washers, spacers and hardware.
- 2. Ensure stars are central on axle, knock them along if necessary.
- 3. Slide crown slinger (1) onto each end as shown.
- 4. Fit bearing assemblies to each end ensuring bearing sits against slinger.
- 5. Bolt one end of gang assembly to gang frame ensuring slot in item 4 faces down and bearing is to rear of gang frame.
- 6. Bolt other end together, if holes do not line up stretch the gang frame to allow bolts to fit.

RETENSION ALL BOLTS AFTER 8 hrs WORKING

EXISTING HARROW GANG

EXISTING GANG FRAME



GREASE NIPPLE
THIS SIDE

* Grease bearings weekly. Do not over grease as seals may be damaged

REF	QTY	PART No	DESCRIPTION
12	4	BO12M40	M12 X 40 BOLT
11	4	WA12MC	CONICAL WASHER - M12
10	4	NU12MNY	M12 NYLOCK
9	4	WA16MC	CONICAL WASHER - M16
8	4	NU16MNP	M16 NUT
7	4	BO16M50CUP	M16 X 50 CUP HEAD SQUARE NECK BOLT
6	2	BE114UCR3	BEARING - UC207-20R3
5	2	BE114FL	FLANGED HOUSING
4	2	HA3372	SPACER PLATE
3	1	HA3381	BRACKET LEFT HAND
2	1	HA3371	BRACKET RIGHT HAND
1	2	HA3400	CROWN SLINGER
DRG	SIZE		

DWG NO: AI1051

ASSY INSTRUCTIONS
HARROW BRG UPGRADE

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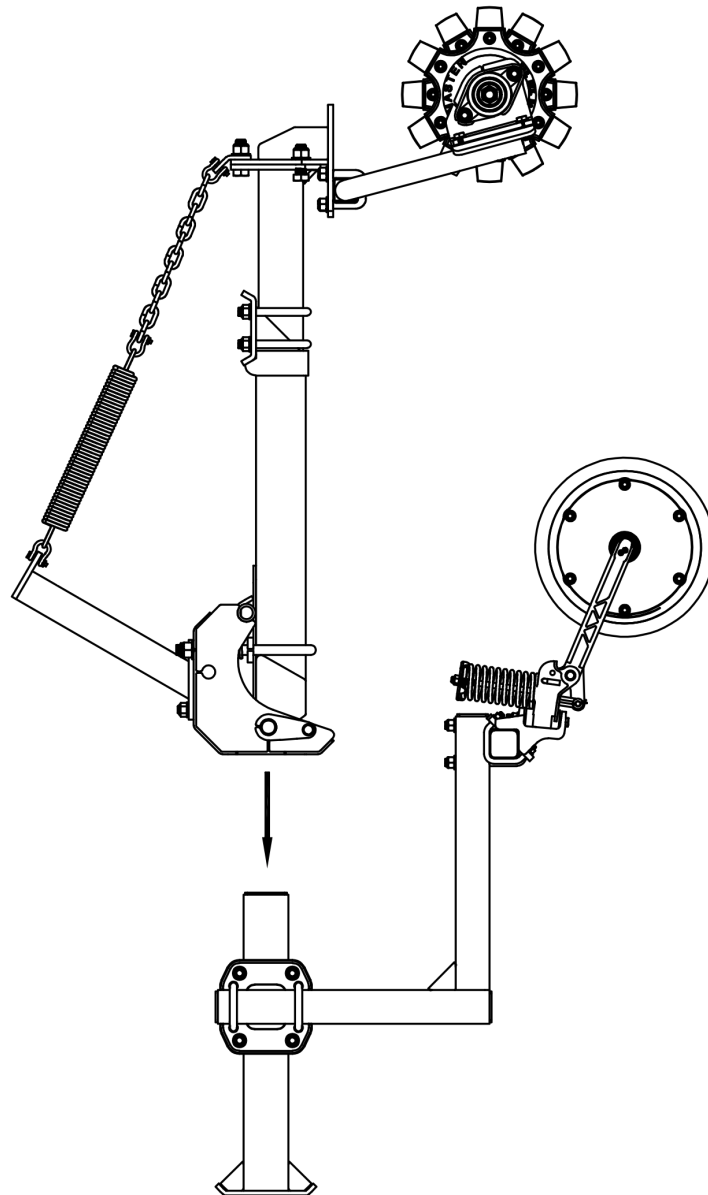
PRESSWHEELS & HARROWS IN COMBINATION PLEASE READ IN CONJUNCTION WITH AI1065

IF HARROWS ARE MOUNTED ALREADY

1. Remove harrow headstock from bar and replace with extension (13). Follow steps 2 to 5 in "Press wheel assembly without harrows". Ensure RHS (2) is mounted as far forward as possible without interfering with tine breakout to leave maximum room for harrows.
6. Remount harrow headstock to extension (13), level harrows if necessary.

IF MOUNTING WITH NEW HARROWS

1. Lay harrow gangs behind the machine to determine best mounting positions, spaces for mounting need to be a minimum of 20 cm wide. If a mounting position is not central to the gang because of an obstruction, find a space close to the centre of the gang (towards the leading end of the gang is preferable). Follow steps 2 to 5 in "Press wheel assembly without harrows".



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ASSY INSTRUCTIONS
PRESS WHEELS

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Part No	Price ex GST	Page	Part No	Price ex GST	Page	Part No	Price ex GST	Page
BA5110	\$70.00	9	CL2495	\$30.00	41	HA3450	\$155.00	51
BA5120	\$70.00	9	CL2495HF	\$20.00	41	HA3460	\$165.00	51
BA5140	\$70.00	9	CL2496	\$30.00	41	HA3500	\$78.00	51
BA6200	\$95.00	24	CL2496HF	\$23.00	41	HA3510	\$25.00	51
BA6260	\$95.00	24	CL2844	\$30.00	19,37,41	HA3520	\$5.50	49
BE114FL	\$12.00	49,50	CL2845	\$30.00	19,37,41	HA3520X100	\$500.00	49
BE114UCR3	\$22.00	49,50	CL5240	\$55.00	9	HA3710	\$30.00	49
BE1228	\$2.00	61	CL5250	\$75.00	5	HA3720	\$13.00	49
BE1237	\$3.00	61	CL6240	\$55.00	24	HA3740	\$1380.00	47
BE1740	\$4.00	62	FB2710	\$65.00	37	HA3750	\$1580.00	47
BR2010	\$55.00	33	FB2740	\$65.00	37	HC52T	\$5.50	19,37
BR2030	\$55.00	33	FB2810	\$7.00	19,37	HC2145	\$3.20	19,37
BR2040	\$55.00	33	FB2820	\$7.00	19,37	HK3610	\$85.00	49,50
BR2050	\$55.00	33	FB2834	\$55.00	19,37	HK3620	\$15.00	49,50
BR2060	\$55.00	33	FB2835	\$55.00	19,37	HL1100	\$20.00	31
BR2070	\$55.00	33	FB2840	\$100.00	19,37	HL1110	\$20.00	31
BR2080	\$55.00	33	FB2850	\$100.00	19,37	HL2510	\$25.00	5
BR2090	\$55.00	33	FB2870	\$35.00	19,37	HL5600	\$25.00	10,14,18
BR2110	\$55.00	33	FB2910	\$65.00	19	HL5610	\$25.00	10,14,18
BR2160	\$100.00	46	FB2940	\$65.00	19	HL7710	\$30.00	26
BR2210	\$50.00	45	FB5310	\$55.00	9,24	HS3030	\$310.00	49
BR2220	\$50.00	45	FB5350	\$115.00	25	HS3040	\$50.00	49
BR2240	\$50.00	45	FB6410	\$55.00	28	HS3070	\$13.00	49
BR2250	\$50.00	45	FBH2800	\$26.00	37	HS3080	\$20.00	49,58
BR2260	\$50.00	45	FBH2980	\$26.00	19	HS3090	\$15.00	49
BR5810	\$55.00	14	FE4010	\$190.00	58	HSP3050	\$32.00	56,57
BR5840	\$55.00	14	FE4015	\$370.00	58	LA5340	\$145.00	28
BT2370	\$140.00	14,33,44	FE4020	\$40.00	58	LA5350	\$145.00	25
BT2380	\$140.00	14,33,44	FE4030	\$280.00	58	LA6180	\$70.00	24
BT2390	\$185.00	14,33,44	HA3240	\$1480.00	47	LA6190	\$100.00	24
BT2398	\$10 p/set	14,33,44	HA3250	\$1680.00	47	LA6210	\$100.00	24
BT2399	\$27.00	14,33,44	HA3260	\$1880.00	47	LA2220	\$70.00	24
BT2540	\$70.00	14,33,44	HA3310	\$160.00	47,49	LF2510	\$20.00	15,39
BT2550	\$70.00	14,33,44	HA3340	\$220.00	49	LF2520	\$22.00	15,39
BT5540	\$100.00	25	HA3350	\$240.00	49	LF2530	\$20.00	15,39
CA65	\$12.00	57,58	HA3360	\$260.00	49	LF2540	\$22.00	15,39
CF7160	\$200.00	28,55	HA3370	\$90.00	49,50	LF2550	\$8.00	15,39
CF7360	\$350.00	28	HA3371	\$45.00	49,50	LF2570	\$9.00	15,39
CF7560	\$350.00	28,55	HA3372	\$15.00	49,50	LF2580	\$9.00	15,39
CH8X500	\$12.00	49,50	HA3380	\$90.00	49,50	LF5420	\$10.00	9
CL2440	\$30.00	41	HA3381	\$45.00	49,50	LF5520	\$6.00	9,24
CL2474	\$30.00	41	HA3390	\$45.00	51	LF5530	\$8.00	9
CL2494	\$30.00	41	HA3410	\$9.00	51	PC6S	\$2.00	15,39
CL2494HF	\$20.00	41	HA3440	\$145.00	51	PC10S	\$2.00	15,39

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Part No	Price ex GST	Page	Part No	Price ex GST	Page	Part No	Price ex GST	Page
PI3MIN	\$1.20	59-61	PT6670	\$140.00	24	PWR4285	\$9.00	60
PIR41	\$2.50	10,13,18,25,63	PT6710	\$155.00	24	PWS57	\$2.00	60,61
PIR45	\$2.50	10,13,18,25,63	PT6720	\$105.00	24	SC825	\$0.25	62
PT1120	\$80.00	32	PT6740	\$125.00	27	SE36P6641	\$6.00	62
PT1120R	\$80.00	32	PT6750	\$145.00	27	SE6PR6518	\$5.00	62
PT1130	\$135.00	32	PT6760	\$125.00	27	SH10D	\$3.00	49,50
PT1130R	\$135.00	32	PT6770	\$145.00	27	SP2880	\$10.00	18,37
PT1140	\$95.00	32	PT6810	\$150.00	27	SP2880	\$5.00	49
PT1150	\$110.00	32	PT7760	\$115.00	26	SP3012	\$35.00	49,50
PT1160	\$95.00	32	PW4000	\$295.00	61	SP3013	\$50.00	49,50
PT1160R	\$95.00	32	PW4200	\$210.00	62	SP3701	\$160.00	51
PT1170	\$125.00	32	PW4210	\$185.00	62	SP4011	\$20.00	59-61
PT1190	\$125.00	32	PW4220	\$185.00	62	SP4012	\$15.00	53,59-61
PT1190R	\$125.00	32	PW4230	\$185.00	62	SW1210	\$32.00	38
PT1560	\$160.00	46	PW4251	\$5.00	62	SW1220	\$32.00	38
PT1560R	\$160.00	46	PW4265	\$9.00	59,60	SW1270	\$32.00	38
PT1580R	\$120.00	40	PW4266	\$5.00	59,60	SW5270	\$165.00	9
PT1810	\$85.00	44	PW4275	\$6.00	59	SW5280	\$170.00	9
PT1820	\$85.00	44	PW4276	\$5.00	59,60	SW5290	\$175.00	9
PT1830	\$85.00	44	PW4290	\$85.00	59	SW6270	\$165.00	24
PT1840	\$85.00	44	PW4300	\$120.00	62	SW6280	\$170.00	24
PT1850	\$85.00	44	PW4310	\$95.00	62	SW6290	\$175.00	24
PT1860	\$85.00	44	PW4320	\$95.00	62	TA3120	\$370.00	49
PT1865	\$100.00	44	PW4330	\$95.00	62	TA3130	\$155.00	49
PT1890	\$115.00	44	PW4350	\$40.00	62	TG1170	\$30.00	38
PT1930	\$75.00	40,44	PW4360	\$30.00	62	TG1173	\$6.00	38,64
PT1940	\$85.00	40	PW4370	\$10.00	62	TG1175	\$6.00	38,64
PT1962	\$95.00	40	PW4380	\$6.00	62	TG5730	\$29.00	20
PT1963	\$110.00	40	PW4390	\$6.00	62	TG5750	\$29.00	20
PT1964	\$115.00	40	PW4405	\$90.00	61	TSP	\$1.60	31,63
PT2560	\$125.00	5	PW4415	\$6.00	61	UB2005	\$5.00	64
PT5040	\$105.00	28	PW4420	\$90.00	61	UB5620	\$7.00	64
PT5050	\$135.00	28	PW4430	\$90.00	61	XTA3123	\$6.00	49,50
PT5060	\$105.00	28	PW4440	\$20.00	53,62			
PT5070	\$135.00	28	PW4450	\$50.00	61			
PT5640	\$115.00	10,13,18	PW4460	\$1.90	61			
PT5650	\$145.00	10,13,18	PW4470	\$2.50	61			
PT5660	\$115.00	10,13,18	PW4480	\$6.00	61			
PT5670	\$145.00	10,13,18	PW4500	\$70.00	61			
PT6040	\$105.00	28	PW4550	\$8.00	60,61			
PT6050	\$135.00	28	PW4560	\$20.00	60,61			
PT6640	\$110.00	24	PW4570	\$2.00	60,61			
PT6650	\$140.00	24	PW4580	\$10.00	59-61			
PT6660	\$110.00	24	PW4590	\$7.00	59-61			