

# 2019

**Manutec**  
AGRICULTURAL PRODUCTS



**Press Wheel Assemblies**  
**Coulter Assemblies**  
**Double & Triple Disc Openers**  
**Press Wheels**  
**After Market Components**  
**Press Wheel Tyres**  
**Wheel Centres & Axle Components**  
**Discs**  
**Ubolts & Pins**  
**Trailer Components**  
**Technical Data**

Australian owned and operated since 1984

**Manutec PTY LTD**  
30 Jonal Drive  
CAVAN SA 5094

**manutec.com.au**  
Ph. (08) 8260 2277  
Fax. (08) 8260 2399

# Section 1

## Press Wheel Assemblies



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## Manutec Press Wheel Assemblies

Manutec has available a range of different Press Wheel Assemblies that are available to fit as an after market product to seeder bars. Additionally Manutec has a range of conversion kits to replace the press wheels on other manufacturers machines.

Manutec Press Wheel Assemblies are available with a range of different wheel types, tyre types and sizes to suit each customers needs. All individual and twin assemblies can be run with either Integral Hub, Agri-Hub (Zero Maintenance) or our new light weight Agri-Hub (Zero Maintenance). The new Zero Maintenance range of hubs require no bearing or seal assembly and no greasing. They are repair by replacement. Manutec Gang Assemblies and Conversions all run on fully sealed non-greasable Pillow Block bearings.



**Integral Hub**  
Greaseable Taper Bearings



**Agri Hub (Standard)**  
Fully Sealed  
Zero Maintenance



**5203 (Extra Light)**  
Fully Sealed  
Zero Maintenance



**Agri Hub (Lightweight)**  
Fully Sealed  
Zero Maintenance



## Walking Wheel Assemblies

Walking Wheel Assemblies are a very cost effective option that utilises one single bracket and arms to run a pair of wheels offset fore and aft. They are available in swivel and fixed variants. Walking Wheels are mounted across the back of the machine either on the existing bar (space permitting) or on a new purpose built tool bar. Walking Wheels can be set to suit 5" to 15", lower and higher spacing can be achieved however Manutec recommends that other options may be better considered. Walking Wheel Assemblies come standard fitted with Integral Hub Press Wheels in either 15", 16" or 18" Solid and Semi-Pneumatic Wheel profiles. Also available with zero maintenance Agri Hubs (standard & slimline) and HT/Ford Hubs.



### 15"

Twin Swivel  
Integral Hub



Twin Swivel  
Agri Hub



Single Swivel



Twin Fixed



Single Swivel  
Agri Hub



Single Fixed



### 18"

Twin Swivel



Twin Swivel  
Agri Hub



Single Swivel



Twin Fixed



Single Swivel  
Agri Hub



Single Fixed





# Twin Walking Wheel Assemblies Swivel Variant

**NOTE:** CATCODE is for the complete Assembly in Flat Pack form.

## 15" TWIN WALKING WHEEL



To order standard Agri-Hub version add -AH to CATCODE e.g. PTW023-AH

**IMPORTANT:**  
Specify 3", 4" or Shearer U-bolts when ordering

To order slimline Agri-Hub version add -AS to CATCODE

## 18" TWIN WALKING WHEEL



**NOTE:** all assemblies come in Flat Pack form.

	Hi-Flex	Semi-Pneumatic	Semi-Solid	Solid	
NARROW		15PW55FLSP CATCODE: PTW011		15PW55FLSD CATCODE: PTW010	
		15PW55WGSP CATCODE: PTW013		15PW55WGSD CATCODE: PTW012	
		15PW55DOSP CATCODE: PWT009			
		16PW70VCSP CATCODE: PTW015		16PW70VCSD CATCODE: PTW071	
		15PW75RDSP CATCODE: PTW017		15PW70VESD CATCODE: PTW016	
		15PW80FLSP CATCODE: PTW069			
		15PW80WGSF CATCODE: PTW022		15PW80WGSS CATCODE: PTW024	
		15PW80WGSP CATCODE: PTW023		15PW80WGSD CATCODE: PTW021	
		16PW80WCSP CATCODE: PTW070		16PW80WCSD CATCODE: PTW019	
		15PW80RISP CATCODE: PTW018		15PW90RSD CATCODE: PTW025	
WIDE	16PW100RCSP CATCODE: PTW200		16PW100RCSS CATCODE: PTW201		
	15PW100FLSF CATCODE: PTW120		15PW100FLSS CATCODE: PTW072	15PW100FLSD CATCODE: PTW005	
	15PW100FLSP CATCODE: PTW006				
	15PW110WGSP CATCODE: PTW008			15PW110WGSD CATCODE: PTW007	
	SOFT	THICK	HARD		
	Hi-Flex	Semi-Pneumatic	Semi-Solid	Solid	
NARROW		18PW55FLSP CATCODE: PTW011		18PW55FLSS CATCODE: PTW074	18PW55FLSD CATCODE: PTW077
		18PW55WGSP CATCODE: PTW054		18PW55WGSS CATCODE: PTW075	18PW55WGSD CATCODE: PTW078
		18PW80WGSF CATCODE: PTW202		18PW80WGSS CATCODE: PTW057	18PW80WGSD CATCODE: PTW055
		18PW100FLSF CATCODE: PTW073		18PW100FLSS CATCODE: PTW076	18PW100FLSD CATCODE: PTW050
		18PW100FLSP CATCODE: PTW051			
		18PW110WGSP CATCODE: PTW121		18PW110WGSS CATCODE: PTW122	
WIDE		18PW120FLSP CATCODE: PTW052		18PW120FLSS CATCODE: PTW123	18PW100FRSD CATCODE: PTW079
	SOFT	THICK	HARD		

**HIGH SIDEWALL TYRE OPTIONS AVAILABLE - PLEASE CALL TO DISCUSS**

# Twin Walking Wheel Assemblies Fixed Variant

**NOTE:** CATCODE is for the complete Assembly in Flat Pack form.

## 15" TWIN WALKING WHEEL



To order standard Agri-Hub version add -AH to CATCODE

**IMPORTANT:**  
Specify 3", 4" or Shearer U-bolts when ordering

To order slimline Agri-Hub version add -AS to CATCODE

## 18" TWIN WALKING WHEEL



**NOTE:** all assemblies come in Flat Pack form.

	Hi-Flex	Semi-Pneumatic	Semi-Solid	Solid	
NARROW		15PW55FLSP CATCODE: PTW081		15PW55FLSD CATCODE: PTW082	
		15PW55WGSP CATCODE: PTW083		15PW55WGSD CATCODE: PTW115	
		15PW55DOSP CATCODE: PWT084			
		16PW70VCSP CATCODE: PTW085	16PW70VCSD CATCODE: PTW086	15PW70VESD CATCODE: PTW087	
		15PW75RDSP CATCODE: PTW088			
		15PW80FLSP CATCODE: PTW089			
		15PW80WGSF CATCODE: PTW080	15PW80WGSP CATCODE: PTW047	15PW80WGSS CATCODE: PTW090	15PW80WGSD CATCODE: PTW091
		16PW80WCSP CATCODE: PTW092		16PW80WCSD CATCODE: PTW116	
		15PW80RISP CATCODE: PTW093		15PW90RDSD CATCODE: PTW097	
		16PW100RCSP CATCODE: PTW203	16PW100RCSS CATCODE: PTW204		
WIDE	15PW100FLSF CATCODE: PTW118	15PW100FLSP CATCODE: PTW094	15PW100FLSS CATCODE: PTW095	15PW100FLSD CATCODE: PTW096	
		15PW110WGSP CATCODE: PTW098		15PW110WGSD CATCODE: PTW099	
	SOFT		THICK	HARD	
	Hi-Flex	Semi-Pneumatic	Semi-Solid	Solid	
NARROW		18PW55FLSP CATCODE: PTW101	18PW55FLSS CATCODE: PTW106	18PW55FLSD CATCODE: PTW110	
		18PW55WGSP CATCODE: PTW102	18PW55WGSS CATCODE: PTW107	18PW55WGSD CATCODE: PTW111	
		18PW80WGSF CATCODE: PTW205	18PW80WGSP CATCODE: PTW103	18PW80WGSS CATCODE: PTW108	18PW80WGSD CATCODE: PTW112
		18PW100FLSF CATCODE: PTW100	18PW100FLSP CATCODE: PTW104	18PW100FLSS CATCODE: PTW109	18PW100FLSD CATCODE: PTW113
		18PW110WGSP CATCODE: PTW124		18PW110WGSS CATCODE: PTW125	
WIDE		18PW120FLSP CATCODE: PTW105	18PW120FLSS CATCODE: PTW126	18PW100FRSD CATCODE: PTW114	
	SOFT		THICK	HARD	

HIGH SIDEWALL TYRE OPTIONS AVAILABLE - PLEASE CALL TO DISCUSS



## Agri Hub Options (Zero Maintenance Hubs)

### Option 1

Manutec Twin Walking Wheels, Single Walking Wheels and In-Frame assemblies are now available with zero maintenance Agri Hubs. The Agri Hub is designed as a zero maintenance hub.



The advantages of the Agri Hub are reduced maintenance and service costs over the life of the hub and reduced down time. It is designed specifically for agricultural applications.

To obtain Agri Hub catcode, add the letters '-AH' to the normal catcode.  
For example to order an 18" Twin Walking Wheel Assembly with 80mm wedge semi-pneumatic tyre, use the catcode 'PTW056-AH'.



### Option 2

In 2019 Manutec will be introducing a new slimline light weight Agri-Hub with separate axle. The new model has also been designed as a zero maintenance hub. To order this option add the letters '-AS' to the CATCODE.





## Accessories & Spare Parts (For Wheel Spare Parts see Section 7)

<p><b>PWWALKLIMIT</b> CATCODE: PSP070</p> <p>Walk Limiter for Walking Wheels</p> 	<p><b>PWOCAPIH</b> CATCODE: POC007</p> <p>Heavy Duty Overcap to Suit Integral Hub</p> 	<p><b>PWSEALGUARD</b> CATCODE: PWA009</p> <p>Seal Guard / Twine Guard</p> 	<p><b>PWAXLEPROT</b> CATCODE: PWA003</p> <p>Rubber Axle Protector (40mm Rnd Axle)</p> 
<p><b>PWSPRINGTENSION</b> CATCODE: PWA026</p> <p>Spring Tension Tool For Swivel Arm Assemblies</p> 	<p><b>PWFOLDPIN</b> CATCODE: PWA033</p> <p>Fold pin and clip for Walking Wheel bracket</p> 	<p><b>PWUBOLT/105X145</b> CATCODE: PNB016</p> <p>Ubolt 105x145 (Nylocs) x 16</p> 	<p><b>PWUBOLT/80X115</b> CATCODE: PNB026</p> <p>U-Bolt 80x115 (Nylocs) x 16</p> 
<p><b>PWUBOLT/SHEARER</b> CATCODE: PNB030</p> <p>U-Bolt 100x100x16 Diamond Back to suit ShearerBar</p> 	<p><b>PWBRACKET-SHEARER</b> CATCODE: PNB008</p> <p>Bracket to suit ShearerBar (Ubolt not provided)</p> 	<p><b>PW4SP-16</b> CATCODE: PNB038</p> <p>4" x 16mm Shackle Plate</p> 	<p><b>PW3SP-16</b> CATCODE: PNB037</p> <p>3" x 16mm Shackle Plate</p> 
<p><b>PWASS/RARM</b> CATCODE: PSP083</p>  <p>Walking Wheel Rocker Arm (Twin Only) (Grey)</p>	<p><b>PWASS/SLARM</b> CATCODE: PSP084</p>  <p>Walking Wheel Lower Arm (Single) (Grey)</p>	<p><b>PWASS/TLARM</b> CATCODE: PSP085</p>  <p>Walking Wheel Lower Arm (Twin) (Grey)</p>	<p><b>PWASS/UARM</b> CATCODE: PSP086</p>  <p>Walking Wheel Upper Arm (Grey)</p>
<p><b>PWNYLONPLATES</b> CATCODE: PSP046</p> <p>Black Nylon Wear Plates for Assembly Upper Arms (2 x Plates / 4 x Rivets)</p> 	<p><b>PWBUSH-WWVS</b> CATCODE: PSP055</p> <p>Swivel Bush for Walking Wheel Swivels Upper Arm</p> 	<p><b>PWBUSH-WWHS</b> CATCODE: PSP088</p> <p>Swivel Bush for Rocker Arm Swivels</p> 	<p><b>PWSWIVELSEAL</b> CATCODE: PWA028</p> <p>Rubber Seal for Press Wheel Swivels</p> 
<p><b>PWBNG/25SB-J</b> CATCODE: PBS019-J</p> <p>25mm Sealed Bearing (to suit Press Wheel Swivels)</p> 	<p><b>PWWWASSPRING</b> CATCODE: PSP082</p> <p>Walking Wheel Spring</p> 	<p><b>BOLTM16X110</b> CATCODE: PNB004</p> <p>M16x110 Bolt and Nyloc to suit Press Wheel Bracket</p> 	<p><b>BOLTM16X150</b> CATCODE: PNB005</p> <p>M16x150 Bolt and Nyloc to suit Press Wheel Swivels</p> 
<p><b>PWWWASSBRACK/GREY</b> CATCODE: PSP079</p> <p>Walking Wheel 9kg Bracket (Grey)</p> 	<p><b>PWFOLDSTOP</b> CATCODE: PSP101</p> 	<p><b>PWHS-SET</b> CATCODE: PSP126</p>  <p>Walking Wheel rocker arm swivel set (1 x bolt, 2 x bush, 2 x bearings)</p>	<p><b>PWVS-SET</b> CATCODE: PSP127</p>  <p>Walking Wheel upper arm swivel set (1 x bolt, 2 x bush, 2 x bearings)</p>



## Swivel & Fixed Arm Assemblies (High Mount)

Swivel Arm Assemblies are designed to be mounted either on the rear frame of a machine or on a false bar mounted off the rear frame. Swivel Arm Assemblies can be used in conjunction with walking wheels or independently. The fixed arm variant is for those customers that do not require the swivel capability. All swivel arm assemblies are also available in Agri-Hub option.



These two pictures show single swivel assemblies set up in a staggered configuration across the back of a machine with seed tubes fitted. Seed tubes are available to be adapted to these units.



This picture shows rear mounted swivel assemblies set up as twin fixed spacing assemblies across the back of a machine. A double ended axle is used in this configuration. Low mount assemblies are also available, see Page 16.

# Single (High Mount) Wheel Assemblies Swivel Variant

**NOTE:** CATCODE is for the complete Assembly in Flat Pack form.

## 15" SINGLE WALKING WHEEL



To order standard Agri-Hub version add -AH to CATCODE

**IMPORTANT:**  
Specify 3", 4" or Shearer U-bolts when ordering

To order slimline Agri-Hub version add -AS to CATCODE

## 18" SINGLE WALKING WHEEL



**NOTE:** all assemblies come in Flat Pack form.

	Hi-Flex	Semi-Pneumatic	Semi-Solid	Solid	
NARROW		15PW55FLSP CATCODE: PSU007		15PW55FLSD CATCODE: PSU006	
		15PW55WGSP CATCODE: PSU009		15PW55WGSD CATCODE: PSU008	
		15PW55DOSP CATCODE: PSU005			
		16PW70VCSP CATCODE: PSU011		16PW70VCSS CATCODE: PSU064	15PW70VESD CATCODE: PSU012
		15PW75RDSP CATCODE: PSU013			
		15PW80FLSP CATCODE: PSU063			
		15PW80WGSF CATCODE: PSU018		15PW80WGSS CATCODE: PSU020	15PW80WGSD CATCODE: PSU017
		16PW80WCSP CATCODE: PSU016			16PW80WCSD CATCODE: PSU065
		15PW80RISP CATCODE: PSU014			15PW90RSDSD CATCODE: PSU021
		16PW100RCSF CATCODE: PSU200	16PW100RCSP CATCODE: PSU113	16PW100RCSS CATCODE: PSU201	
		15PW100FLSF CATCODE: PSU114	15PW100FLSP CATCODE: 002	15PW100FLSS CATCODE: PSU066	15PW100FLSD CATCODE: PSU001
			15PW110WGSP CATCODE: PSU004		15PW110WGSD CATCODE: PSU003
	SOFT		THICK	HARD	
WIDE	Hi-Flex	Semi-Pneumatic	Semi-Solid	Solid	
		18PW55FLSP CATCODE: PSU047	18PW55FLSS CATCODE: PSU069	18PW55FLSD CATCODE: PSU072	
		18PW55WGSP CATCODE: PSU048	18PW55WGSS CATCODE: PSU070	18PW55WGSD CATCODE: PSU073	
		18PW80WGSF CATCODE: PSU202	18PW80WGSP CATCODE: PSU050	18PW80WGSS CATCODE: PSU051	18PW80WGSD CATCODE: PSU049
		18PW100FLSF CATCODE: PSU067	18PW100FLSP CATCODE: PSU045	18PW100FLSS CATCODE: PSU071	18PW100FLSD CATCODE: PSU044
		18PW110WGSP CATCODE: PSU117	18PW110WGSS CATCODE: PSU118		
	18PW120FLSP CATCODE: PSU046	18PW120FLSS CATCODE: PSU119	18PW100FRSD CATCODE: PSU074		
	SOFT		THICK	HARD	

HIGH SIDEWALL TYRE OPTIONS AVAILABLE - PLEASE CALL TO DISCUSS



# Single (High Mount) Wheel Assemblies Fixed Variant (No Swivel)

**NOTE:** CATCODE is for the complete Assembly in Flat Pack form.

## 15" SINGLE WALKING WHEEL



To order standard Agri-Hub version add -AH to CATCODE

**IMPORTANT:**  
Specify 3", 4" or Shearer U-bolts when ordering

To order slimline Agri-Hub version add -AS to CATCODE

## 18" SINGLE WALKING WHEEL



**NOTE:** all assemblies come in Flat Pack form.

	Hi-Flex	Semi-Pneumatic	Semi-Solid	Solid	
15" SINGLE WALKING WHEEL	NARROW				
		15PW55FLSP CATCODE: PSU075		15PW55FLSD CATCODE: PSU076	
		15PW55WGSP CATCODE: PSU077		15PW55WGSD CATCODE: PSU078	
		15PW55DOSP CATCODE: PSU079			
		16PW70VCSP CATCODE: PSU080		16PW70VCSS CATCODE: PSU081	15PW70VESD CATCODE: PSU082
		15PW75RDSP CATCODE: PSU083			
		15PW80FLSP CATCODE: PSU084			
		15PW80WGSF CATCODE: PSU085		15PW80WGSS CATCODE: PSU087	15PW80WGSD CATCODE: PSU088
		16PW80WCSP CATCODE: PSU089			16PW80WCSS CATCODE: PSU090
		15PW80RISP CATCODE: PSU091			15PW90RDSD CATCODE: PSU092
		16PW100RCSP CATCODE: PSU115		16PW100RCSS CATCODE: PSU204	
		15PW100FLSF CATCODE: PSU116		15PW100FLSS CATCODE: PSU094	15PW100FLSD CATCODE: PSU095
			15PW110WGSP CATCODE: PSU096		15PW110WGSD CATCODE: PSU097
		SOFT		THICK → HARD	
18" SINGLE WALKING WHEEL	NARROW				
		18PW55FLSP CATCODE: PSU098		18PW55FLSS CATCODE: PSU099	18PW55FLSD CATCODE: PSU100
		18PW55WGSP CATCODE: PSU101		18PW55WGSS CATCODE: PSU102	18PW55WGSD CATCODE: PSU103
		18PW80WGSF CATCODE: PSU205		18PW80WGSS CATCODE: PSU105	18PW80WGSD CATCODE: PSU106
		18PW100FLSF CATCODE: PSU107		18PW100FLSS CATCODE: PSU109	18PW100FLSD CATCODE: PSU110
		18PW110WGSP CATCODE: PSU120		18PW110WGSS CATCODE: PSU121	
		18PW120FLSP CATCODE: PSU111		18PW120FLSS CATCODE: PSU122	18PW100FRSD CATCODE: PSU112
		SOFT		THICK → HARD	

HIGH SIDEWALL TYRE OPTIONS AVAILABLE - PLEASE CALL TO DISCUSS

## Inframe Assemblies



### Manutec Inframe Mounted Assemblies:

- Suits 3", 4" or Mount on most Tool Bars
- Swivel and seed boot combination gives greater tracking accuracy
- A range of seed tube options is available to suit this assembly, giving greater accuracy for seed depth placement
- Each unit acts independently
- Large range of wheel and tyre options to suit all conditions
- All units standard with Automotive Bearings and Manutec heavy duty seals and also available in Agri Hub option

The Manutec Inframe assembly puts the wheel in as close as possible to the sowing tyne without having the shock and vibration issues of a tyne mounted assembly.

The Inframe assembly also has the added bonus of being able to have a secondary seed tube attached to the assembly so that the seed tube can be positioned just in front of the press wheel and so that the depth of seed is governed by the press wheel.

This method of seed placement works best with small seeds and is particularly beneficial where inconsistent seed depth or too greater seed depth is a problem.

Manutec does two different variants of seed tubes one for small seeds and an adjustable version for medium and large seeds.

## Wheel Options

All wheels come standard with tapered roller bearings and heavy duty seal on a 40mm stub. A range of wheel size and tyre options are available on page 11. Inframe Assemblies are also available with the Agri Hub, add 'AH' to the catcode and the slimline AgriHub add -AS to the Catcode.



Zero Maintenance  
Agri Hub  
(Repair by replacement)  
OPTION 1



Zero Maintenance  
Agri Hub  
(Repair by replacement)  
OPTION 2



Greasable Integral Hub  
(Fully maintainable)



Ford Hub/Holden HT Hub  
(Fully maintainable)





# Single Inframe Press Wheel Assemblies

**NOTE:** To order see the form on page 12 and contact Manutec.

## 15" SINGLE INFRAME ASSEMBLIES



Available with Integral Hub & Agri (Zero Maintenance) Hub

**IMPORTANT:** Specify 3" or 4" clamps

Also now available with 16" high sidewall tyres

## 18" SINGLE INFRAME ASSEMBLIES



(Seed Tube Optional)

**NOTE:** all assemblies come in Flat Pack form.

	Hi-Flex	Semi-Pneumatic	Semi-Solid	Solid					
NARROW		15PW55FLSP		15PW55FLSD					
		15PW55WGSP		15PW55WGSD					
		15PW55DOSP							
		16PW70VCSP		16PW70VCSS	15PW70VESD				
		15PW75RDSP							
		15PW80FLSP							
		15PW80WGSF		15PW80WGSS	15PW80WGSD				
		16PW80WCSP			16PW80WCSS				
		15PW80RISP			15PW90RDSD				
		16PW100RCSP		16PW100RCSS					
WIDE	15PW100FLSF		15PW100FLSP		15PW100FLSS		15PW100FLSD		
			15PW110WGSP				15PW110WGSD		
	SOFT		THICK		HARD				
		Hi-Flex	Semi-Pneumatic	Semi-Solid	Solid				
NARROW		18PW55FLSP		18PW55FLSS		18PW55FLSD			
		18PW55WGSP		18PW55WGSS		18PW55WGSD			
		18PW80WGSF		18PW80WGSS		18PW80WGSD			
		18PW100FLSF		18PW100FLSP		18PW100FLSS		18PW100FLSD	
			18PW110WGSP		18PW110WGSS				
			18PW120FLSP		18PW120FLSS		18PW100FRSD		
	SOFT		THICK		HARD				



## To order single inframe assemblies

- 1) Choose the tyre and wheel size option from the previous page
- 2) Choose the bar size (3" or 4")
- 3) Choose optional seed tube
- 4) Measure and fill in dimension and information below:

### Frame Spacing

a =

### Working Depth (Ground)

b =

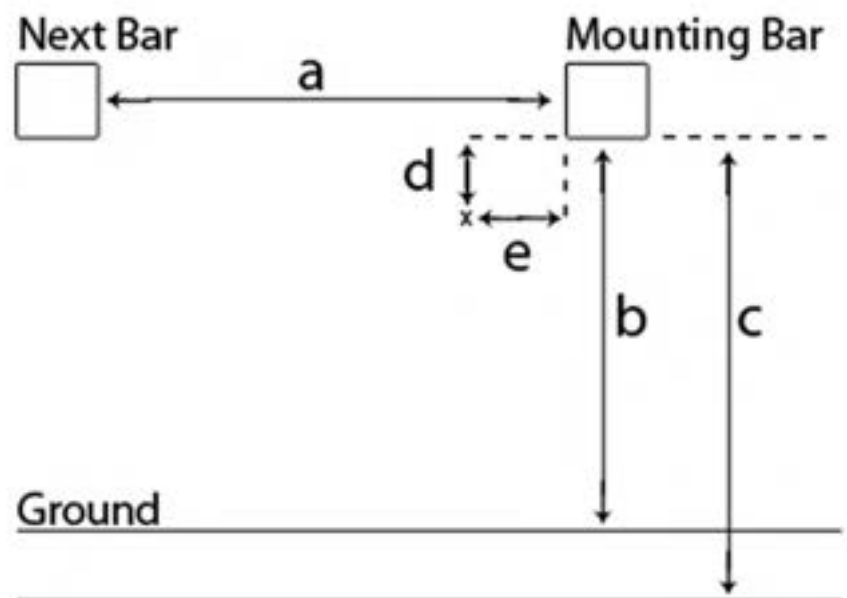
### Working Depth (Point)

c =

### Pivot Position (Tyne)

d =

e =



What Brand and Model Machine .....

What Tyne Spacing .....

What Points .....

What Breakout .....

## Inframe Spares & Accessories (For Wheel Spares see Section 7)




<p><b>PWIFCLAMP100</b> CATCODE: PSW231</p>  <p>In-Frame Swivel Assembly Mounting Clamp/Bolts (100mm)</p>	<p><b>PWIFCLAMP75</b> CATCODE: PSW232</p>  <p>In-Frame Swivel Assembly Mounting Clamp/Bolts (75mm)</p>	<p><b>PWIFLOKWASHER</b> CATCODE: PSW233</p>  <p>In-Frame Swivel Assembly Locking Washer</p>	<p><b>PWIFMOUNTBRACKET</b> CATCODE: PSW234</p>  <p>In-Frame Swivel Assembly Mounting Bracket</p>
<p><b>PWIFSWL1</b> CATCODE: PSW235</p>  <p>In-Frame Swivel Assembly Lower Arm 1</p>	<p><b>PWIFSWL2</b> CATCODE: PSW236</p>  <p>In-Frame Swivel Assembly Lower Arm 2</p>	<p><b>PWIFSWL3</b> CATCODE: PSW237</p>  <p>In-Frame Swivel Assembly Lower Arm 3</p>	<p><b>PWIFSWU1</b> CATCODE: PSW238</p>  <p>In-Frame Swivel Assembly Upper Arm 1</p>
<p><b>PWIFSWU2</b> CATCODE: PSW239</p>  <p>In-Frame Swivel Assembly Upper Arm 2</p>	<p><b>PWIFSWU3</b> CATCODE: PSW240</p>  <p>In-Frame Swivel Assembly Upper Arm 3</p>	<p><b>PWIFSWU4</b> CATCODE: PSW241</p>  <p>In-Frame Swivel Assembly Upper Arm 4</p>	<p><b>PWBUSH-WWVS</b> CATCODE: PSP122</p>  <p>Swivel Bush for In-Frame Swivels</p>
<p><b>PWNYLONPLATES</b> CATCODE: PSP046</p>  <p>Black Nylon Wear Plates for Assembly Upper Arms</p>	<p><b>WASHER-WW</b> CATCODE: PNB033</p>  <p>Washer walking wheel swivel</p>	<p><b>WASHER-WWHEX</b> CATCODE: PNB034</p>  <p>Washer w/o walking wheel swivel- HEX</p>	<p><b>WASHER-WWTHIN</b> CATCODE: PNB035</p>  <p>Washer walking wheel swivel - THIN</p>
<p><b>BOLTM16X110</b> CATCODE: PNB004</p>  <p>M16x110 Bolt and Nyloc to suit Press Wheel Bracket</p>	<p><b>BOLTM16X150</b> CATCODE: PNB005</p>  <p>M16x150 Bolt and Nyloc to suit Press Wheel Swivels</p>	<p><b>PWWWASSSPRING</b> CATCODE: PSP082</p>  <p>Walking Wheel Spring</p>	<p><b>PWVS-SET</b> CATCODE: PSP127</p>  <p>Walking Wheel upper arm swivel set (1 x bolt, 2 x bush, 2 x bearings)</p>



## Inframe Spares & Accessories

<p><b>TUNG TIP</b> CATCODE: PSW244</p>  <p>Replacement Tungsten Tip Suits Seed Tube</p>	<p><b>PWSEEDARM</b> CATCODE: PWA010</p>  <p>Connecting Arms for Seed Boot Tube (Round tube)</p>	<p><b>PWSEEDARMADJ</b> CATCODE: PWA011</p>  <p>Adjustable Connecting Arms for Seed Boot Tube (Square tube)</p>	<p><b>PWSEEDARMELBOW</b> CATCODE: PWA033</p>  <p>Connecting Arms for Seed Boot Tube - Elbow (Round tube)</p>
<p><b>PWSEEDBOOTADJ</b> CATCODE: PWA012</p>  <p>Seed Boot Attachment for Press Wheel Assembly (Complete) Adjustable (Square Tube)</p>	<p><b>PWSEEDBOOTH</b> CATCODE: PWA013</p>  <p>HD Seed Boot Attachment for PW Assembly (Complete) Built in HD Spring (Round Tube)</p>	<p><b>PWSEEDBOOTSP</b> CATCODE: PWA014</p>  <p>Seed Boot Attachment for Press Wheel Assembly (Complete) Built in Spring (Round Tube)</p>	<p><b>PWSEEDTUBE</b> CATCODE: PWA015</p>  <p>Tube for Seed Boot Attachment Built in Spring (Round Tube)</p>
<p><b>PWSEEDTUBE-NS</b> CATCODE: PWA016</p>  <p>Tube for Seed Boot Attachment No Spring</p>	<p><b>PWSEEDTUBEADJ</b> CATCODE: PWA017</p>  <p>Adjustable Tube for Seed Boot Attachment (Square Tube)</p>	<p><b>PWSTUBEHOSE</b> CATCODE: PWA027</p>  <p>Connecting Hose for Seed Tube</p>	<p><b>SEEDTUBEADJ-TOP</b> CATCODE: PWA032</p>  <p>Top Section of Adjustable Seed Tube No Spring Section (Square Tube)</p>
<p><b>PWSEEDTUBEHD</b> CATCODE: PWA021</p>  <p>HD Tube for Seed Boot Attachment Built in HD Spring (Round Tube)</p>	<p><b>PWSEEDUBOLT</b> CATCODE: PWA022</p>  <p>UBolts for Seed Boot Tube Connecting Arms</p>	<p><b>PWSEEDUBOLT100</b> CATCODE: PWA023</p>  <p>100mm UBolts for Seed Boot Tube Connecting Arms</p>	<p><b>PWSEEDUBOLTSQ</b> CATCODE: PWA024</p>  <p>UBolts for Adjustable Seed Tube Connecting Arms</p>
<p><b>PWARMPLATE</b> CATCODE: PNB035</p> 	<p><b>PWARMPLATEBT</b> CATCODE: PNB036</p> 	<p><b>PWSEEDARMADJ-DA</b> CATCODE: PWA036</p>  <p>Adjustable Connecting Arms for seed tube Double Arm Version</p>	

## Inframe Spares & Accessories

<p><b>PWAXLEPROT</b> CATCODE: PWA003</p>  <p>Rubber Axle Protector (40mm Rnd Axle)</p>	<p><b>PWSEALGUARD</b> CATCODE: PWA009</p>  <p>Seal Guard/Twine Guard</p>	<p><b>PWSPRINGTENSION</b> CATCODE: PWA026</p>  <p>Spring Tension Tool For Swivel Arm Assemblies Suits TWW-SWW-TWOFF-IF-TWFIX</p>	<p><b>PWSWIVELSEAL</b> CATCODE: PWA028</p>  <p>Rubber Seal for Press Wheel Swivels</p>
<p><b>PWFOLDSTOP</b> CATCODE: PSP101</p> 	<p><b>PWOCAPIH</b> CATCODE: POC007</p>  <p>Heavy Duty Overcap to Suit Integral Hub</p>	<p><b>PWFOLDPIN</b> CATCODE: PWA033</p>  <p>Fold pin and clip for Walking Wheel bracket</p>	

## AGRIHUB OPTIONS

### Option 1

Manutec In Frame Press Wheel assemblies are now available with zero maintenance Agri Hubs. The Agri Hub is designed as a zero maintenance hub.



The advantages of the Agri Hub are reduced maintenance and service costs over the life of the hub and reduced down time. It is designed specifically for agricultural applications.

To obtain Agri Hub catcode, add the letters '-AH' to the normal catcode.  
For example to order an 18" Twin Walking Wheel Assembly with 80mm wedge semi-pneumatic tyre, use the catcode 'PTW056-AH'.



### Option 2

In 2019 Manutec will be introducing a new slimline light weight Agri-Hub with separate axle. The new model has also been designed as a zero maintenance hub. To order this option add '-AS' to the CATCODE.





## Heavy Duty and Light Duty Rear Mounted Swivel Assemblies

Swivel Arm Assemblies are designed to be a light weight assembly mounted on a low tool bar across the back of the machine. For heavy duty farming environments we recommend the HD option. The light duty assembly is a light weight construction and therefore is not recommended in heavy duty farming environments.



Light Duty  
Single Rear  
Mount Assembly



Heavy Duty  
Single Rear  
Mount Assembly

Zero Maintenance  
Agri Hub  
(Repair by replacement)  
OPTION 1



Zero Maintenance  
Agri Hub  
(Repair by replacement)  
OPTION 2



Greasable Integral Hub  
(Fully maintainable)



Ford Hub/Holden HT Hub  
(Fully maintainable)



Available in 2019, a new extra lightweight  
Zero Maintenance wheel to suit the Light Duty  
Rear Mounted Swivel Assemblies

ALSO AVAILABLE  
MANUTEC  
TOOLBAR KIT  
See Pages 43-45

**Manutec**  
MANUFACTURING TECHNOLOGY

### Mounting Options

A range of mounting options are available for this type of assembly. The simplest and cheapest is to build a new fixed toolbar off of the existing rear frame of the machine.

Mounting Arms as per above are available if a more temporary solution is required, however this will add cost. Manutec carries a complete range of spare parts for all products and most parts can be shipped within 24 hours of ordering. See pages 43-45 for more information.

## Single Rear (Low Mount) Wheel Assemblies

**NOTE:** CATCODE is for the complete Assembly in Flat Pack form.

### 15" SINGLE REAR (LOW MOUNT LIGHT DUTY)



	Hi-Flex	Semi-Pneumatic	Semi-Solid	Solid	
NARROW		15PW55FLSP CATCODE: PRM006		15PW55FLSD CATCODE: PRM021	
		15PW55WGSP CATCODE: PRM008		15PW55WGSD CATCODE: PRM007	
		15PW55DOSP CATCODE: PRM005			
		16PW70VCSP CATCODE: PRM022	16PW70VCSD CATCODE: PRM023	15PW70VESD CATCODE: PRM011	
		15PW75RDSP CATCODE: PRM012			
		15PW80FLSP CATCODE: PRM024			
		15PW80WGSF CATCODE: PRM016	15PW80WGSP CATCODE: PRM017	15PW80WGSS CATCODE: PRM018	15PW80WGSD CATCODE: PRM015
		16PW80WCSP CATCODE: PRM014		16PW80WCSD CATCODE: PRM025	
		15PW80RISP CATCODE: PRM026		15PW90RSDSD CATCODE: PRM019	
		16PW100RCSP CATCODE: PRM030	16PW100RCSP CATCODE: PRM028	16PW100RCSS CATCODE: PRM031	
WIDE	15PW100FLSF CATCODE: PRM029	15PW100FLSP CATCODE: PRM002	15PW100FLSS CATCODE: PRM027	15PW100FLSD CATCODE: PRM001	
		15PW110WGSP CATCODE: PRM004		15PW110WGSD CATCODE: PRM003	
	SOFT		THICK	HARD	

### 15" SINGLE REAR (LOW MOUNT HEAVY DUTY)



(Integral Version)



(Agri Hub Version)

• For Heavy Duty option use same catcode as Light Duty but add 'HD' to catcode.

• The Heavy Duty option is also available with Agri Hubs for standard Agri Hubs add 'HDAH' to the catcode as above. For Slimline AgriHubs add 'HDAS' to the catcode.

• Manutec do not recommend fitting 18" wheels to the light duty assembly. To order the Heavy Duty variant with 18" wheels please call for codes.

**IMPORTANT:**  
Come standard  
with 3" U-Bolts

**NOTE:** all assemblies  
come in Flat Pack form.



## Press Wheel Single Rear (Low Mount) Spares & Accessories (For Wheel Spares see Section 7)

<p><b>PWSRMNTARM</b> CATCODE: PSP049 SRMNT Arm Assembly Includes Spring, Rod etc WEIGHT: 2.85kg</p> 	<p><b>PWSRMNTBUSHSET</b> CATCODE: PSP050 Single Rear Mount Bush Set Large and Small WEIGHT: 0.05kg</p> 	<p><b>PWSRMNTROD</b> CATCODE: PSP051 Spring Rod - SRMNT Assembly WEIGHT: 0.30kg</p> 	<p><b>PWSRMNTSPRING</b> CATCODE: PSP052 Spring - Single Rear Mount Assembly WEIGHT: 0.40kg</p> 
<p><b>PWSRMNTTOP</b> CATCODE: PSP053 Spring Top Plate - SRMNT Assembly WEIGHT: 0.15kg</p> 	<p><b>PWOCAPIH</b> CATCODE: POC007 Heavy Duty Overcap to Suit Integral Hub WEIGHT: 0.63kg</p> 	<p><b>PWSRMNT</b> CATCODE: PRM020 Single Rear Mount Swivel Assembly (No Wheels) WEIGHT: 6.35kg</p> 	<p><b>PWSEALGUARD</b> CATCODE: PWA009 Seal Guard / Twine Guard WEIGHT: 0.35kg</p> 
<p><b>PWDCAPP</b> CATCODE: PWA004 Dust Cap Applicator WEIGHT: 0.6kg</p> 	<p><b>PWSRMNT-HD</b> CATCODE: PRM020-HD Heavy Duty Single Rear Mount Assembly (No Wheels)</p> 	<p><b>PWSRMNTSPRING-H</b> CATCODE: PSP126 Heavy Spring Single Rear Mount Assembly</p> 	<p><b>PWSRMNTKA</b> CATCODE: PSP127 Swivel knuckle for PWSRMNT</p> 
<p><b>PWSRMNTBUSH-HD</b> CATCODE: PSP128 Bush to suit HD Single Rear Mount Assembly</p> 	<p><b>PWSRMNTROD-HD</b> CATCODE: PSP129 Spring Rod to suit HD Spring Rear Mount Assembly</p> 	<p><b>PWSRMNTPIVBOLT-HD</b> CATCODE: PSP130 Pivot Bolt to suit HD Single Rear Mount Assembly</p> 	<p><b>PWSRMNTRNUT</b> CATCODE: PSP131 Nyloc for spring rod assembly</p> 
<p><b>PWSRMNTKNA-NUT</b> CATCODE: PSP132 Nut to suit Single Rear Mount Knuckle</p> 	<p><b>PWSRMNT-WASHER</b> CATCODE: PSP133 Washer to suit Single Rear Mount Pivots</p> 	<p><b>PWSRMNT-WASHERTHICK</b> CATCODE: PSP134 Thick washer to suit Single Rear Mount Pivots</p> 	

## Tyne Mounted Assemblies

Manutec Tyne Mounted Assemblies come standard with Integral Hub Press Wheels and can also be fitted with Agrihub Wheels.

Available in fixed, adjustable and semi-adjustable variants.

The semi-adjustable variant has been specifically designed to allow for double shooting.

Available in variants to suit straight edge on tynes or curved flat on tynes.

For other tyne variants, call for advice on suitability.

When ordering specify Tyne type and dimensions.



Tyne mounted press wheel assemblies are available in three variants, fixed, adjustable and semi-adjustable.

The fixed variant is only suitable for use on standard "C" shank flat on tynes such as used on Flexicoil machines.

The adjustable and semi-adjustable tyne mounted assemblies can be used on either curved or edge on tynes.

The adjustable tyne mount has greater adjustability and is generally used for single shooting.

The semi adjustable tyne mount is specifically designed for double shooting as it has a longer throat to allow for two oversize tubes to be fitted.

The edge on variants attach using a bracket with bolts that draw in across the back of the tyne. The flat on variants attach using U-Bolts.

Tyne mounts are not recommended on machines where break out is an issue, or in areas of high trash.



# Tyne Mounted Press Wheel Assemblies Semi-Adjustable Variant (Edge-On)

**NOTE:** CATCODE is for the complete Assembly in Flat Pack form.

## 15" SEMI-ADJUSTABLE TYNE MOUNTED



To order standard Agri-Hub version add -AH to CATCODE

To order slimline Agri-Hub version add -AS to CATCODE

## 18" SEMI-ADJUSTABLE TYNE MOUNT



**NOTE:** all assemblies come in Flat Pack form.

	Hi-Flex	Semi-Pneumatic	Semi-Solid	Solid	
NARROW PTA		15PW55FLSP CATCODE: PTA048		15PW55FLSD CATCODE: PTA047	
		15PW55WGSP CATCODE: PTA050		15PW55WGSD CATCODE: PTA049	
		15PW55DOSP CATCODE: PTA046			
		16PW70VCSP CATCODE: PTA052		16PW70VCSD CATCODE: PTA191	
		15PW75RDSP CATCODE: PTA054			
		15PW80FLSP CATCODE: PTA187			
		15PW80WGSF CATCODE: PTA059		15PW80WGSS CATCODE: PTA061	
		15PW80WGSP CATCODE: PTA060		15PW80WGSD CATCODE: PTA058	
		16PW80WCSP CATCODE: PTA057		16PW80WCSD CATCODE: PTA192	
		15PW80RISP CATCODE: PTA055		15PW90RSDSD CATCODE: PTA062	
WIDE PTA	16PW100RCSP CATCODE: PTA250	16PW100RCSS CATCODE: PTA199	16PW100RCSS CATCODE: PTA251		
	15PW100FLSF CATCODE: PTA194	15PW100FLSP CATCODE: PTA043	15PW100FLSS CATCODE: PTA188	15PW100FLSD CATCODE: PTA042	
		15PW110WGSP CATCODE: PTA045		15PW110WGSD CATCODE: PTA044	
	SOFT	THICK	HARD		
	Hi-Flex	Semi-Pneumatic	Semi-Solid	Solid	
NARROW PTA		18PW55FLSP CATCODE: PTA106		18PW55FLSS CATCODE: PTA182	18PW55FLSD CATCODE: PTA185
		18PW55WGSP CATCODE: PTA107		18PW55WGSS CATCODE: PTA183	18PW55WGSD CATCODE: PTA186
	18PW80WGSF CATCODE: PTA252	18PW80WGSP CATCODE: PTA109		18PW80WGSS CATCODE: PTA110	18PW80WGSD CATCODE: PTA108
	18PW100FLSF CATCODE: PTA181	18PW100FLSP CATCODE: PTA103		18PW100FLSS CATCODE: PTA184	18PW100FLSD CATCODE: PTA102
		18PW110WGSP CATCODE: PTA201		18PW110WGSS CATCODE: PTA202	
		18PW120FLSP CATCODE: PTA105		18PW120FLSS CATCODE: PTA203	18PW100FRSD CATCODE: PTA104
	SOFT	THICK	HARD		

# Tyre Mounted Press Wheel Assemblies Semi-Adjustable Variant (Flat-On)

**NOTE:** CATCODE is for the complete Assembly in Flat Pack form.

## 15" SEMI-ADJUSTABLE TYNE MOUNTED



To order standard Agri-Hub version add -AH to CATCODE

**IMPORTANT:**  
Specify U-bolts when ordering  
Specify Tyne Dimensions for U-bolts

To order slimline Agri-Hub version add -AS to CATCODE

## 18" SEMI-ADJUSTABLE TYNE MOUNT



**NOTE:** all assemblies come in Flat Pack form.

	Hi-Flex	Semi-Pneumatic	Semi-Solid	Solid	
15" SEMI-ADJUSTABLE TYNE MOUNTED		15PW55FLSP CATCODE: PTA069		15PW55FLSD CATCODE: 068	
		15PW55WGSP CATCODE: PTA071		15PW55WGSD CATCODE: PTA070	
		15PW55DOSP CATCODE: PTA067			
		16PW70VCSP CATCODE: PTA167		16PW70VCSS CATCODE: PTA168	15PW70VESD CATCODE: PTA074
		15PW75RDSP CATCODE: PTA075			
		15PW80FLSP CATCODE: PTA161			
		15PW80WGSF CATCODE: PTA080		15PW80WGS5 CATCODE: PTA082	15PW80WGS CATCODE: PTA079
		16PW80WCSP CATCODE: PTA169			16PW80WCSS CATCODE: PTA170
		15PW80RISP CATCODE: PTA076			15PW90RSD CATCODE: PTA083
		16PW100RCSF CATCODE: PTA253	16PW100RCSP CATCODE: PTA195	16PW100RCSS CATCODE: PTA254	
15" SEMI-ADJUSTABLE TYNE MOUNTED		15PW100FLSF CATCODE: PTA196	15PW100FLSP CATCODE: PTA162	15PW100FLSS CATCODE: PTA164	15PW100FLSD CATCODE: PTA165
			15PW110WGSF CATCODE: PTA163		15PW110WGS CATCODE: PTA166
18" SEMI-ADJUSTABLE TYNE MOUNT		18PW55FLSP CATCODE: PTA115	18PW55FLSS CATCODE: PTA174	18PW55FLSD CATCODE: PTA177	
		18PW55WGSP CATCODE: PTA116	18PW55WGSS CATCODE: PTA175	18PW55WGSD CATCODE: PTA178	
		18PW80WGSF CATCODE: PTA255	18PW80WGSP CATCODE: PTA118	18PW80WGS5 CATCODE: PTA119	18PW80WGS CATCODE: PTA117
		18PW100FLSF CATCODE: PTA171	18PW100FLSP CATCODE: PTA172	18PW100FLSS CATCODE: PTA176	18PW100FLSD CATCODE: PTA179
			18PW110WGSF CATCODE: PTA204	18PW110WGS5 CATCODE: PTA205	
			18PW120FLSP CATCODE: PTA173	18PW120FLSS CATCODE: PTA206	18PW100FRSD CATCODE: PTA180



# Tyne Mounted Press Wheel Assemblies

## Semi-Adjustable Variant (Edge-On)

**NOTE:** CATCODE is for the complete Assembly in Flat Pack form.

### 15" ADJUSTABLE TYNE MOUNT



To order standard Agri-Hub version add -AH to CATCODE

To order slimline Agri-Hub version add -AS to CATCODE

### 18" ADJUSTABLE TYNE MOUNT



**NOTE:** all assemblies come in Flat Pack form.

	Hi-Flex	Semi-Pneumatic	Semi-Solid	Solid	
NARROW PTA		15PW55FLSP CATCODE: PTA007		15PW55FLSD CATCODE: PTA006	
		15PW55WGSP CATCODE: PTA009		15PW55WGSD CATCODE: PTA008	
		15PW55DOSP CATCODE: PTA005			
		16PW70VCSP CATCODE: PTA127		16PW70VCSS CATCODE: PTA128	
		15PW75RDSP CATCODE: PTA013		15PW70VESD CATCODE: PTA012	
		15PW80FLSP CATCODE: PTA129			
		15PW80WGSF CATCODE: PTA018		15PW80WGSS CATCODE: PTA130	
		15PW80WGSP CATCODE: PTA019		15PW80WGSD CATCODE: PTA017	
		16PW80WCSP CATCODE: PTA131		16PW80WCSS CATCODE: PTA132	
		15PW80RISP CATCODE: PTA014		15PW90RSD CATCODE: PTA020	
WIDE	16PW100RCSP CATCODE: PTA256		16PW100RCSS CATCODE: PTA257		
	15PW100FLSF CATCODE: PTA198		15PW100FLSS CATCODE: PTA133	15PW100FLSD CATCODE: PTA001	
	15PW100FLSP CATCODE: PTA002				
	15PW110WGSP CATCODE: PTA004			15PW110WGSD CATCODE: PTA003	
	SOFT	THICK	HARD		
	Hi-Flex	Semi-Pneumatic	Semi-Solid	Solid	
NARROW PTA		18PW55FLSP CATCODE: PTA088		18PW55FLSS CATCODE: PTA135	18PW55FLSD CATCODE: PTA138
		18PW55WGSP CATCODE: PTA089		18PW55WGSS CATCODE: PTA136	18PW55WGSD CATCODE: PTA139
		18PW80WGSF CATCODE: PTA258		18PW80WGSS CATCODE: PTA194	18PW80WGSD CATCODE: PTA090
		18PW100FLSF CATCODE: PTA134		18PW100FLSS CATCODE: PTA137	18PW100FLSD CATCODE: PTA084
		18PW110WGSP CATCODE: PTA207		18PW110WGSS CATCODE: PTA208	
		18PW120FLSP CATCODE: PTA087		18PW120FLSS CATCODE: PTA209	18PW100FRSD CATCODE: PTA086
	SOFT	THICK	HARD		
	WIDE				

# Tyne Mounted Press Wheel Assemblies Adjustable Variant (Flat-On)

**NOTE:** CATCODE is for the complete Assembly in Flat Pack form.

## 15" ADJUSTABLE TYNE MOUNT



To order standard Agri-Hub version add -AH to CATCODE

**IMPORTANT:**  
Specify U-bolts when ordering  
Specify Tyne Dimensions for U-bolts

To order slimline Agri-Hub version add -AS to CATCODE

## 18" ADJUSTABLE TYNE MOUNT



**NOTE:** all assemblies come in Flat Pack form.

	Hi-Flex	Semi-Pneumatic	Semi-Solid	Solid	
NARROW PTA		15PW55FLSP CATCODE: PTA027		15PW55FLSD CATCODE: PTA068	
		15PW55WGSP CATCODE: PTA029		15PW55WGSD CATCODE: PTA070	
		15PW55DOSP CATCODE: PTA025			
		16PW70VCSP CATCODE: PTA032		16PW70VCSS CATCODE: PTA148	
		15PW75RDSP CATCODE: PTA033		15PW70VESD CATCODE: PTA074	
		15PW80FLSP CATCODE: PTA140			
		15PW80WGSF CATCODE: PTA038		15PW80WGS5 CATCODE: PTA141	
		15PW80WGSP CATCODE: PTA039		15PW80WGSD CATCODE: PTA037	
		16PW80WCSP CATCODE: PTA150		16PW80WCSS CATCODE: PTA149	
		15PW80RISP CATCODE: PTA034		15PW90RSDS CATCODE: PTA040	
WIDE		16PW100RCSP CATCODE: PTA199		16PW100RCSS CATCODE: PTA260	
		16PW100RCSP CATCODE: PTA259		16PW100RCSS CATCODE: PTA260	
		15PW100FLSF CATCODE: PTA200		15PW100FLSS CATCODE: PTA143	
		15PW100FLSP CATCODE: PTA022		15PW100FLSD CATCODE: PTA021	
		15PW110WGSP CATCODE: PTA042		15PW110WGSD CATCODE: PTA023	
	SOFT	THICK	HARD		
	Hi-Flex	Semi-Pneumatic	Semi-Solid	Solid	
NARROW PTA		18PW55FLSP CATCODE: PTA096		18PW55FLSS CATCODE: PTA154	18PW55FLSD CATCODE: PTA157
		18PW55WGSP CATCODE: PTA097		18PW55WGSS CATCODE: PTA155	18PW55WGSD CATCODE: PTA158
		18PW80WGSF CATCODE: PTA261		18PW80WGSS CATCODE: PTA100	18PW80WGSD CATCODE: PTA098
		18PW100FLSF CATCODE: PTA151		18PW100FLSS CATCODE: PTA156	18PW100FLSD CATCODE: PTA092
		18PW110WGSP CATCODE: PTA210		18PW110WGSS CATCODE: PTA211	
WIDE		18PW120FLSP CATCODE: PTA095		18PW120FLSS CATCODE: PTA212	18PW100FRSD CATCODE: PTA094
	SOFT	THICK	HARD		



# Tyre Mounted Press Wheel Assemblies

## Fixed Variant

**NOTE:** CATCODE is for the complete Assembly in Flat Pack form.

### 15" FIXED TYNE MOUNT PRESS



To order standard Agri-Hub version add -AH to CATCODE

**IMPORTANT:**  
Specify U-bolts when ordering  
Specify Tyne Dimensions for U-bolts

To order slimline Agri-Hub version add -AS to CATCODE

### 18" FIXED TYNE MOUNT PRESS



**NOTE:** all assemblies come in Flat Pack form.

	Hi-Flex	Semi-Pneumatic	Semi-Solid	Solid			
NARROW		15PW55FLSP CATCODE: PTF025		15PW55FLSD CATCODE: PTF006			
		15PW55WGSP CATCODE: PTF009		15PW55WGSD CATCODE: PTF008			
		15PW55DOSP CATCODE: PTF005					
		16PW70VCSP CATCODE: PTF029		16PW70VCSS CATCODE: PTF030	15PW70VESD CATCODE: PTF031		
		15PW75RDSP CATCODE: PTF013					
		15PW80FLSP CATCODE: PTF032					
	15PW80WGSF CATCODE: PTF018		15PW80WGSP CATCODE: PTF019		15PW80WGS CATCODE: PTF033	15PW80WGSD CATCODE: PTF017	
		16PW80WCSP CATCODE: PTF034			16PW80WCSD CATCODE: PTF035		
		15PW80RISP CATCODE: PTF014			15PW90RSD CATCODE: PTF020		
	16PW100RCSP CATCODE: PTF050		16PW100RCSP CATCODE: PTF042		16PW100RCSS CATCODE: PTF051		
WIDE	15PW100FLSF CATCODE: PTF043		15PW100FLSP CATCODE: PTF002		15PW100FLSS CATCODE: PTF036		15PW100FLSD CATCODE: PTF001
			15PW110WGSP CATCODE: PTF004				15PW110WGS CATCODE: PTF003
	SOFT		THICK	HARD			
	Hi-Flex	Semi-Pneumatic	Semi-Solid	Solid			
NARROW		18PW55FLSP CATCODE: PTF025		18PW55FLSS CATCODE: PTF037		18PW55FLSD CATCODE: PTF038	
		18PW55WGSP CATCODE: PTF026		18PW55WGSS CATCODE: PTF039		18PW55WGSD CATCODE: PTF040	
	18PW80WGSF CATCODE: PTF052		18PW80WGSP CATCODE: PTF028		18PW80WGS CATCODE: PTF029		18PW80WGSD CATCODE: PTF027
	18PW100FLSF CATCODE: PTF060		18PW100FLSP CATCODE: PTF022		18PW100FLSS CATCODE: PTF041		18PW100FLSD CATCODE: PTF021
			18PW110WGSP CATCODE: PTF045		18PW110WGS CATCODE: PTF046		
WIDE		18PW120FLSP CATCODE: PTF024		18PW120FLSS CATCODE: PTF047		18PW100FRSD CATCODE: PTF023	
	SOFT		THICK	HARD			

## Tyne Mount Spares & Accessories (For Wheel Spares see Section 7)

<p><b>PWTYNEFIX</b> CATCODE: PTF030 Fixed Tyne Mounted Assembly (No Wheel) TOTAL WEIGHT: 10.6kg</p> 	<p><b>PWFOTYNEADJ</b> CATCODE: PTA121 Adjustable Tyne Mounted Assembly - No Wheel, To Suit Flat-On Tyne TOTAL WEIGHT: 13.75kg</p> 	<p><b>PWEOTYNEADJ</b> CATCODE: PTA120 Adjustable Tyne Mounted Assembly - No Wheel To Suit Edge-On Tyne TOTAL WEIGHT: 13.35kg</p> 	<p><b>PWTYNEFOBRA</b> CATCODE: PTA124 Flat On Bracket for Tyne Mount TOTAL WEIGHT: 2.50kg</p> 
<p><b>PWTYNESADJ</b> CATCODE: PTA125 Semi-Adjustable Tyne Mounted Assembly To Suit Edge-On Tyne TOTAL WEIGHT: 14.0kg</p> 	<p><b>PWTYNESADJFO</b> CATCODE: PTA126 Semi-Adjustable Tyne Mounted Assembly To Suit Flat-On Tyne TOTAL WEIGHT: 14.0kg</p> 	<p><b>PWTYNEEOBRA</b> CATCODE: PTA123 Edge On Bracket for Tyne Mount TOTAL WEIGHT: 2.75kg</p> 	<p><b>PWTYNEADJNB</b> CATCODE: PTA122 Adjustable Tyne Mounted Assembly - No Bracket TOTAL WEIGHT: 12.10kg</p> 
<p><b>PWBARCONBRACKET</b> CATCODE: PSP041 Adjustable Tyne Mount Bar Conversion Bracket TOTAL WEIGHT: 4.0kg</p> 	<p><b>PWFIXTYNELARM</b> CATCODE: PSP044 Fixed Tyne Mount Lower Arm TOTAL WEIGHT: 5.0kg</p> 	<p><b>PWFIXTYNESPRING</b> CATCODE: PSP045 Fixed Tyne Mount Spring TOTAL WEIGHT: 0.85kg</p> 	<p><b>PWTYNEADJLARM</b> CATCODE: PSP056 Adjustable Tyne Mount Lower Arm TOTAL WEIGHT: 5.20kg</p> 
<p><b>PWTYNEADJUANB</b> CATCODE: PSP057 Adjustable Tyne Mount Upper Arm - No Bracket TOTAL WEIGHT: 6.85kg</p> 	<p><b>PWTYNESPRINGL</b> CATCODE: PSP067 Left Hand Spring for Adjustable Tyne Assembly TOTAL WEIGHT: 0.85kg</p> 	<p><b>PWTYNESPRINGR</b> CATCODE: PSP069 Right Hand Spring for Adjustable Tyne Assembly TOTAL WEIGHT: 0.85kg</p> 	<p><b>PWTYNESPRINGCASTING</b> CATCODE: PSP066 Casting for Tyne Mount Spring Arm TOTAL WEIGHT: 2.30kg</p> 
<p><b>PWSADJTYNESPRING</b> CATCODE: PSP048 Semi-Adj Tyne Mount Spring TOTAL WEIGHT: 1.05kg</p> 	<p><b>PWTYNE-LARMBRA</b> CATCODE: PSP135 Adjustable Tyne Mount Lower Arm Adjustment Bracket</p> 	<p>To order any tyne mounted assemblies with standard Agrihubs add '-AH' to the catcodes on pages 20-24 To order slimline Agrihubs add '-AS' to the CATCODE.</p>	



## Tyne Mount Spares & Accessories (For Wheel Spares see Section 7)

<p><b>BOLTM10X80</b> CATCODE: PSP001 Adjustable Tyne Mount - Bracket Lock Bolt TOTAL WEIGHT: 0.05kg</p> 	<p><b>BOLTM12X60</b> CATCODE: PSP002 Edge on Bracket Rear Bolt and Nyloc TOTAL WEIGHT: 0.05kg</p> 	<p><b>BOLTM16X60</b> CATCODE: PSP003 Edge on Bracket Centre Bolt and Nyloc TOTAL WEIGHT: 0.10kg</p> 	<p><b>BOLTM20X90</b> CATCODE: PSP004 Adjustable Tyne Mount - Bracket Centre Bolt TOTAL WEIGHT: 0.50kg</p> 
<p><b>PWTYNEBUSH</b> CATCODE: PSP058 Adjustable Tyne Mount Bush (Steel) TOTAL WEIGHT: 0.05kg</p> 	<p><b>PWTYNECLIP</b> CATCODE: PSP059 Tyne Mount Spring Clip TOTAL WEIGHT: 0.05kg</p> 	<p><b>PWTYNEFIXBOLT</b> CATCODE: PSP060 Fixed Tyne Mount Greaseable Bolt TOTAL WEIGHT: 0.45kg Suits Fixed Tyne Mount (Red)</p> 	<p><b>PWTYNEFIXPIN</b> CATCODE: PSP061 Fixed Tyne Mount Swivel Pin TOTAL WEIGHT: 0.30kg</p> 
<p><b>PWTYNELOCKWASH</b> CATCODE: PSP062 Locking Washer for Tyne Mount TOTAL WEIGHT: 0.05kg</p> 	<p><b>PWTYNEPIN</b> CATCODE: PSP063 Tyne Mount Swivel Pin TOTAL WEIGHT: 0.35kg Suits adjustable Tyne Mounts (Grey)</p> 	<p><b>PWFXTYNE NYBUSH</b> CATCODE: PSP089 Fixed Tyne Mount Nylon Bush TOTAL WEIGHT: 0.05kg</p> 	



**CALL MICK FOR  
A QUOTE TODAY**

**(08) 8260 2277**

**Manutec**

MANUFACTURING TECHNOLOGY

## Gangs



Gang Assemblies provide a simple and cost effective option. They are widely used when the ability to use either harrows or press wheels is required.

These gangs are easily configured for use with a number of popular quick release harrow/press wheel mounting arms.

Gangs are often preferred due to the lower maintenance requirements, ie less bearings.

Gangs work best with up and back sowing.

Manutec gangs can be quickly removed when not required or for maintenance.

### Mounting Arm

Quick Release Mounting Arm, compatible for use with either Press Wheel Gangs or Harrows.



### Mount Arm Gang Assembly

Ideal for use in applications where interchange ability with Harrows is required. 18" Wheels with Nylon Bush Centres used as standard. Available in 7.2", 9", 10 and 12" spacing's as standard in a variety of wheel numbers. For other spacing widths contact Manutec for availability. Available in a range of tyre options. Manutec normally recommends a thicker tyre, either semi-solid or solid, especially if being used to dry sow. Gangs are available in 4,5,6,7,8,9 and 10 wheel configurations depending on the spacing width. Normally we like to limit sections to about 6'. A complete range of spare parts is available for all gang components.



### Harrow Arm—3 or 4 Harrow Option

Quick release arm for connecting harrows to Mounting Arm.





# Gang Press Wheel Assemblies 7.2"

## (6, 7, 8, 9 & 10 Wheel Gangs)

**NOTE:** CATCODE is for the Gang Assembly and does not include Mounting Arm.



To order mounting arm use  
CATCODE: PMG130

### 18" GANG WHEEL



PMG

**NOTE:** Gang Assemblies are also available with Semi-Pneumatic tyres, please call for CATCODES.

The wider tyres are suitable for split and spread row seeding

**100mm Flat Ribbed Tyre & 120mm Flat Tyre also available**

**NOTE:** all assemblies come in Flat Pack form.

Semi-Solid

Solid

#### 18PW55FLSS

6 wheel CATCODE: PMG219  
7 wheel CATCODE: PMG220  
8 wheel CATCODE: PMG221  
9 wheel CATCODE: PMG222  
10 wheel CATCODE: PMG223

#### 18PW55FLSD

6 wheel CATCODE: PMG239  
7 wheel CATCODE: PMG240  
8 wheel CATCODE: PMG241  
9 wheel CATCODE: PMG242  
10 wheel CATCODE: PMG243

#### 18PW55WGSS

6 wheel CATCODE: PMG224  
7 wheel CATCODE: PMG225  
8 wheel CATCODE: PMG226  
9 wheel CATCODE: PMG227  
10 wheel CATCODE: PMG228

#### 18PW55WGSD

6 wheel CATCODE: PMG244  
7 wheel CATCODE: PMG245  
8 wheel CATCODE: PMG246  
9 wheel CATCODE: PMG247  
10 wheel CATCODE: PMG248

#### 18PW80WGSS

6 wheel CATCODE: PMG229  
7 wheel CATCODE: PMG230  
8 wheel CATCODE: PMG231  
9 wheel CATCODE: PMG232  
10 wheel CATCODE: PMG233

#### 18PW80WGSD

6 wheel CATCODE: PMG052  
7 wheel CATCODE: PMG060  
8 wheel CATCODE: PMG068  
9 wheel CATCODE: PMG076  
10 wheel CATCODE: PMG043

#### 18PW100FLSS

6 wheel CATCODE: PMG234  
7 wheel CATCODE: PMG235  
8 wheel CATCODE: PMG236  
9 wheel CATCODE: PMG237  
10 wheel CATCODE: PMG238

#### 18PW100FLSD

6 wheel CATCODE: PMG046  
7 wheel CATCODE: PMG054  
8 wheel CATCODE: PMG062  
9 wheel CATCODE: PMG070  
10 wheel CATCODE: PMG078

#### 18PW110WGSS

6 wheel CATCODE: PMG300  
7 wheel CATCODE: PMG301  
8 wheel CATCODE: PMG302  
9 wheel CATCODE: PMG303  
10 wheel CATCODE: PMG304

#### 18PW110WGSD

6 wheel CATCODE: PMG315  
7 wheel CATCODE: PMG316  
8 wheel CATCODE: PMG317  
9 wheel CATCODE: PMG318  
10 wheel CATCODE: PMG319

NARROW

WIDE

THICK

HARD

# Gang Press Wheel Assemblies

## 9" (5, 6, 7 & 8 Wheel Gangs)

**NOTE:** CATCODE is for the Gang Assembly and does not include Mounting Arm



To order mounting arm use  
CATCODE: PMG130

### 18" GANG WHEEL



PMG

**NOTE:** Gang Assemblies are also available with Semi-Pneumatic tyres, please call for CATCODES.

The wider tyres are suitable for split and spread row seeding

**100mm Flat Ribbed Tyre & 120mm Flat Tyre also available**

**NOTE:** all assemblies come in Flat Pack form.

Semi-Solid

Solid

	Semi-Solid	Solid	
NARROW	<b>18PW55FLSS</b>	<b>18PW55FLSD</b>	
	5 wheel CATCODE: PMG249	5 wheel CATCODE: PMG261	
	6 wheel CATCODE: PMG250	6 wheel CATCODE: PMG262	
	7 wheel CATCODE: PMG251	7 wheel CATCODE: PMG263	
	8 wheel CATCODE: PMG252	8 wheel CATCODE: PMG264	
	<b>18PW55WGSS</b>	<b>18PW55WGSD</b>	
	5 wheel CATCODE: PMG253	5 wheel CATCODE: PMG265	
	6 wheel CATCODE: PMG254	6 wheel CATCODE: PMG266	
	7 wheel CATCODE: PMG255	7 wheel CATCODE: PMG267	
	8 wheel CATCODE: PMG256	8 wheel CATCODE: PMG268	
	WIDE	<b>18PW80WGSS</b>	<b>18PW80WGSD</b>
		5 wheel CATCODE: PMG099	5 wheel CATCODE: PMG097
		6 wheel CATCODE: PMG108	6 wheel CATCODE: PMG106
		7 wheel CATCODE: PMG117	7 wheel CATCODE: PMG115
		8 wheel CATCODE: PMG454	8 wheel CATCODE: PMG124
		<b>18PW100FLSS</b>	<b>18PW100FLSD</b>
5 wheel CATCODE: PMG257		5 wheel CATCODE: PMG091	
6 wheel CATCODE: PMG258		6 wheel CATCODE: PMG100	
7 wheel CATCODE: PMG259		7 wheel CATCODE: PMG109	
8 wheel CATCODE: PMG260		8 wheel CATCODE: PMG118	
<b>18PW110WGSS</b>		<b>18PW110WGSD</b>	
5 wheel CATCODE: PMG305		5 wheel CATCODE: PMG320	
6 wheel CATCODE: PMG306		6 wheel CATCODE: PMG321	
7 wheel CATCODE: PMG307		7 wheel CATCODE: PMG322	
8 wheel CATCODE: PMG308		8 wheel CATCODE: PMG323	
		THICK	HARD



# Gang Press Wheel Assemblies

## 10" (5, 6, 7 & 8 Wheel Gangs)

**NOTE:** CATCODE is for the Gang Assembly and does not include Mounting Arm.



To order mounting arm use  
CATCODE: PMG130

### 18" GANG WHEEL



PMG

**NOTE:** Gang Assemblies are also available with Semi-Pneumatic tyres, please call for CATCODES.

The wider tyres are suitable for split and spread row seeding

**100mm Flat Ribbed Tyre & 120mm Flat Tyre also available**

**NOTE:** all assemblies come in Flat Pack form.

Semi-Solid

Solid

NARROW

WIDE

#### 18PW55FLSS

5 wheel CATCODE: PMG269  
6 wheel CATCODE: PMG270  
7 wheel CATCODE: PMG270  
8 wheel CATCODE: PMG272

#### 18PW55FLSD

5 wheel CATCODE: PMG281  
6 wheel CATCODE: PMG282  
7 wheel CATCODE: PMG283  
8 wheel CATCODE: PMG284

#### 18PW55WGSS

5 wheel CATCODE: PMG273  
6 wheel CATCODE: PMG274  
7 wheel CATCODE: PMG275  
8 wheel CATCODE: PMG276

#### 18PW55WGSD

5 wheel CATCODE: PMG285  
6 wheel CATCODE: PMG286  
7 wheel CATCODE: PMG287  
8 wheel CATCODE: PMG288

#### 18PW80WGSS

5 wheel CATCODE: PMG289  
6 wheel CATCODE: PMG290  
7 wheel CATCODE: PMG008  
8 wheel CATCODE: PMG011

#### 18PW80WGSD

5 wheel CATCODE: PMG002  
6 wheel CATCODE: PMG004  
7 wheel CATCODE: PMG007  
8 wheel CATCODE: PMG010

#### 18PW100FLSS

5 wheel CATCODE: PMG277  
6 wheel CATCODE: PMG278  
7 wheel CATCODE: PMG279  
8 wheel CATCODE: PMG280

#### 18PW100FLSD

5 wheel CATCODE: PMG001  
6 wheel CATCODE: PMG003  
7 wheel CATCODE: PMG006  
8 wheel CATCODE: PMG009

#### 18PW110WGSS

5 wheel CATCODE: PMG309  
6 wheel CATCODE: PMG310  
7 wheel CATCODE: PMG311  
8 wheel CATCODE: PMG312

#### 18PW110WGSD

5 wheel CATCODE: PMG324  
6 wheel CATCODE: PMG325  
7 wheel CATCODE: PMG326  
8 wheel CATCODE: PMG327

THICK

HARD

# Gang Press Wheel Assemblies

## 12" (4, 5 & 6 Wheel Gangs)

**NOTE:** CATCODE is for the Gang Assembly and does not include Mounting Arm.



To order mounting arm use  
CATCODE: PMG130

### 18" GANG WHEEL



PMG

**NOTE:** Gang Assemblies are also available with Semi-Pneumatic tyres, please call for CATCODES.

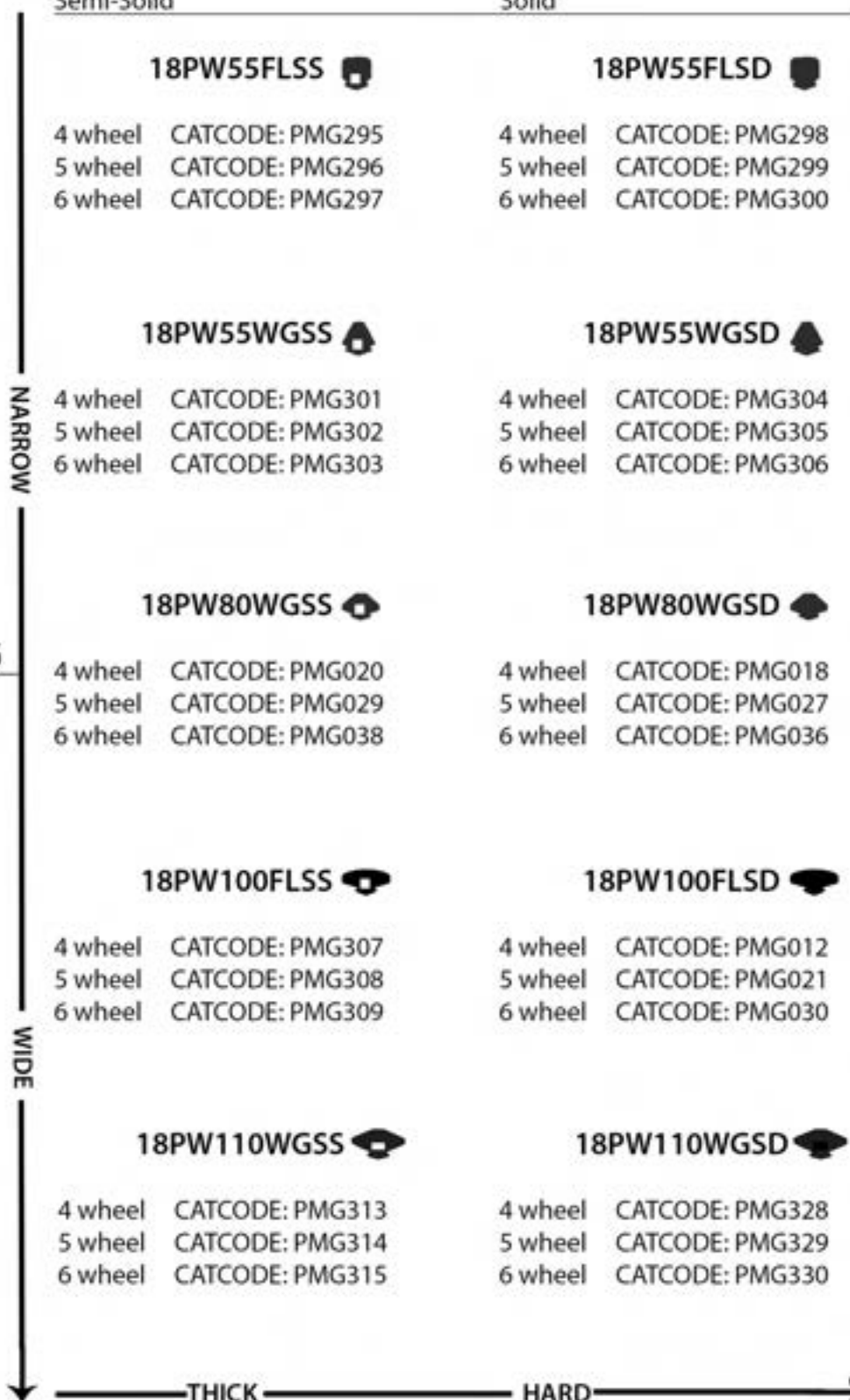
The wider tyres are suitable for split and spread row seeding

**100mm Flat Ribbed Tyre & 120mm Flat Tyre also available**

**NOTE:** all assemblies come in Flat Pack form.

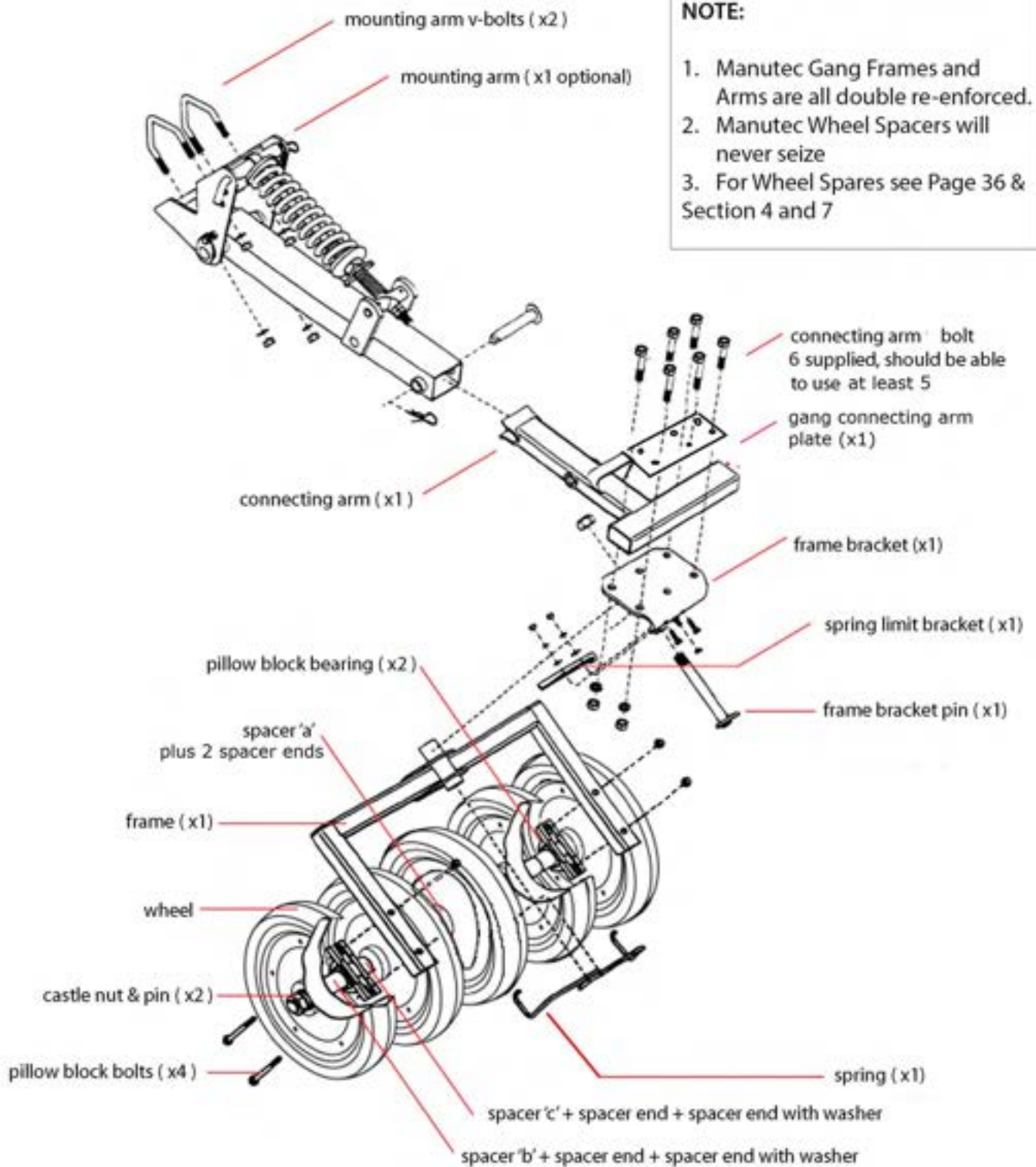
Semi-Solid

Solid





# Gang Breakdown

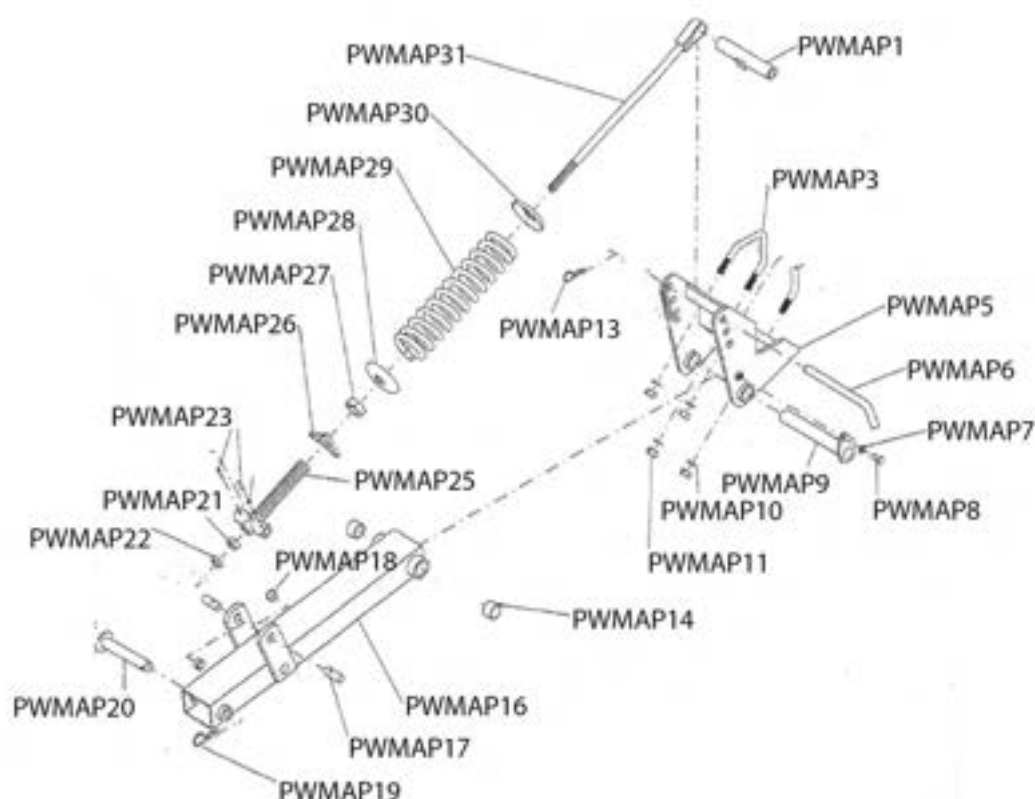


## NOTE:

1. Manutec Gang Frames and Arms are all double re-enforced.
2. Manutec Wheel Spacers will never seize
3. For Wheel Spares see Page 36 & Section 4 and 7

(You can have these either side depending on which way you want the grease nipples on the pillow blocks to face).

## Gang Mounting Arm Spare Parts



PWWAP1  
CENTRE SHAFT HANDLE-SUIT PIN  
CATCODE: PMG156

PWWAP3  
GANG DIAMOND UBOLT - 4 INCH  
CATCODE: PMG167

PWWAP5  
FRAME MOUNT BRACKET  
CATCODE: PMG170

PWWAP6  
HANDLE PIN  
CATCODE: PMG171

PWWAP7  
PIVOT PIN LOCK NUT  
CATCODE: PMG455

PWWAP8  
PIVOT PIN LOCK BOLT  
CATCODE: PMG456

PWWAP9  
GANG ARM PIVOT PIN  
CATCODE: PMG172

PWWAP10  
GANG ARM UBOLT SPRING WASHER  
CATCODE: PMG457

PWWAP11  
GANG ARM UBOLT NUT  
CATCODE: PMG458

PWWAP14  
NYLON BUSH SUIT MOUNTING ARM  
CATCODE: PMG157

PWWAP16  
MOUNTING ARM  
CATCODE: PMG158

PWWAP17  
T PIECE MOUNT PIN  
CATCODE: PMG159

PWWAP18  
BRONZE BUSH SUIT M/ARM-T PIECE  
CATCODE: PMG160

PWWAP19  
SPRING CLIP  
CATCODE: PMG459

PWWAP20  
GANG CONNECTING PIN  
CATCODE: PMG157

PWWAP21  
NUT SUIT CENTRE SHAFT  
CATCODE: PMG161

PWWAP22  
NUT SUIT CENTRE SHAFT  
CATCODE: PMG161

PWWAP23  
GANG ROLL PINS  
CATCODE: PMG157

PWWAP25  
THREADED T PIECE-SUIT CENTRE SHAFT  
CATCODE: PMG162

PWWAP26  
LOCK NUT - SUIT T PIECE  
CATCODE: PMG163

PWWAP27  
NUT-SUIT T PIECE  
CATCODE: PMG164

PWWAP28  
LOWER SPRING WASHER-HOLDER  
CATCODE: PMG165

PWWAP29  
SPRING - GANG MOUNTING ARM  
CATCODE: PMG166

PWWAP30  
UPPER SPRING WASHER-HOLDER  
CATCODE: PMG168

PWWAP31  
CENTRE SHAFT  
CATCODE: PMG169



## Gang Spares & Accessories

AXLES		SPACERS	
			
PWAXLEGANG1045 CATCODE: PMG132 Suits 7.2" x 6w, 9" x 5w, 12" x 4w	LOA = 1045	PWSPACER105.5 CATCODE: PMG184 Suits 7.2" spacings	LOA = 105.5
PWAXLEGANG1150 CATCODE: PMG133 Suits 10" x 5w	LOA = 1150	PWSPACER151.5 CATCODE: PMG186 Suits 9" spacings	LOA = 151.5
PWAXLEGANG1230 CATCODE: PMG135 Suits 7.2" x 7w	LOA = 1230	PWSPACER177 CATCODE: PMG188 Suits 10" spacings	LOA = 177
PWAXLEGANG1275 CATCODE: PMG136 Suits 9" x 6w	LOA = 1275	PWSPACER20* CATCODE: PMG226 Suits 7.2" spacings	LOA = 20
PWAXLEGANG1350 CATCODE: PMG137 Suits 12" x 5w	LOA = 1350	PWSPACER277.5 CATCODE: PMG190 Suits 12" spacings	LOA = 277.5
PWAXLEGANG1400 CATCODE: PMG138 Suits 10" x 6w	LOA = 1400	PWSPACER32.5* CATCODE: PMG227 Suits 7.2" spacings	LOA = 32.5
PWAXLEGANG1415 CATCODE: PMG139 Suits 7.2" x 8w	LOA = 1415	PWSPACER43* CATCODE: PMG228 Suits 9" spacings	LOA = 43
PWAXLEGANG1500 CATCODE: PMG140 Suits 9" x 7w	LOA = 1500	PWSPACER55.5* CATCODE: PMG229 Suits 9" & 10" spacings	LOA = 55.5
PWAXLEGANG1595 CATCODE: PMG141 Suits 7.2" x 9w	LOA = 1595	PWSPACER68* CATCODE: PMG230 Suits 10" spacings	LOA = 68
PWAXLEGANG1655 CATCODE: PMG142 Suits 12" x 6w, 10" x 7w	LOA = 1655	PWSPACER81 CATCODE: PMG231 Suits 12" spacings	LOA = 81
PWAXLEGANG1730 CATCODE: PMG143 Suits 9" x 8w	LOA = 1730	PWSPACER93 CATCODE: PMG232 Suits 12" spacings	LOA = 93
PWAXLEGANG1775 CATCODE: PMG146 Suits 7.2" x 10w	LOA = 1775	PWSPACERWASHER CATCODE: PMG218 Spacers to suit Flexicoil style Gangs	
PWAXLEGANG1905 CATCODE: PMG148 Suits 10" x 8w	LOA = 1905		

\* Spacer Lengths are for 2019 Model gangs. For older models please call.

## Gang Spares & Accessories



### GANG FRAMES

PWMOUNTGANGFRAME1048 LOA = 1048  
CATCODE: PMG173

PWMOUNTGANGFRAME1095 LOA = 1095  
CATCODE: PMG174

PWMOUNTGANGFRAME1170 LOA = 1170  
CATCODE: PMG175

PWMOUNTGANGFRAME1220 LOA = 1220  
CATCODE: PMG176

PWMOUNTGANGFRAME560 LOA = 560  
CATCODE: PMG177

PWMOUNTGANGFRAME637 LOA = 637  
CATCODE: PMG178

PWMOUNTGANGFRAME658 LOA = 658  
CATCODE: PMG179

PWMOUNTGANGFRAME682 LOA = 685  
CATCODE: PMG180

PWMOUNTGANGFRAME710 LOA = 710  
CATCODE: PMG181

PWMOUNTGANGFRAME865 LOA = 865  
CATCODE: PMG182

PWMOUNTGANGFRAME965 LOA = 965  
CATCODE: PMG173

PWGANGSPRINGBRACKET  
CATCODE: PMG155



Gang Levelling Spring Bracket

PWGANGSPRING  
CATCODE: PMG154



Gang Levelling Spring

PWASSMGANGRNDCONARM4

CATCODE: PMG128



Extended Rnd Connecting Arm 4 Harrow Option

PWASSMOUNTGANGARM

CATCODE: PMG129



Gang Connecting Arm (RHS)

PWASSMORRISCONARM

CATCODE: PMG129M



Gang Connecting Arm  
Morris

PWASSSPRMOUNTARM

CATCODE: PMG130



Mount Arm to suit Gangs

PWGANGARM-EL

CATCODE: PMG150



Gang Connecting Arm (RHS) - Extra Length

PWGANGSCRAPERBRACK

CATCODE: PMG153



Gang Scraper Brackets  
and UBolts

PWMAP33

CATCODE: PMG233



Frame Bracket Pin

PWMAP34

CATCODE: PMG234



Nut to suit PWMAP33

PWMAP35

CATCODE: PMG235



Spring washer to suit  
PWMAP33



## Gang Spares & Accessories

<b>GANG MOUNTING ARM SPARES</b> SEE DIAGRAM ON PAGE 33	<b>8KGBRACKET</b> CATCODE: PMG127	<b>PWGANGBUSH</b> CATCODE: PMG151
<b>PWMAP1</b> CATCODE: PMG156 CENTRE SHAFT HANDLE-SUIT PIN		
<b>PWMAP3</b> CATCODE: PMG167 GANG DIAMOND UBOLT - 4 INCH	Gang Levelling Bracket TOTAL WEIGHT: 7.80kg	Bronze Bush for Gangs TOTAL WEIGHT: 0.05kg
<b>PWMAP5</b> CATCODE: PMG170 FRAME MOUNT BRACKET	<b>PWGANGQRPIN</b> CATCODE: PMG152	<b>PWGANGNUTS</b> CATCODE: PNB012
<b>PWMAP6</b> CATCODE: PMG171 HANDLE PIN		
<b>PWMAP9</b> CATCODE: PMG172 MOUNTING ARM BRACKET PIN	Pin for Quick Release Gang Mounting Arms TOTAL WEIGHT: 0.67kg	Gang Axle Nut and Pin Set TOTAL WEIGHT: 0.15kg
<b>PWMAP14</b> CATCODE: PMG157 NYLON BUSH SUIT MOUNTING ARM	<b>PWBNG/FHBOLTS</b> CATCODE: PNB07	<b>PWUBOLT/80X90</b> CATCODE: PNB027
<b>PWMAP16</b> CATCODE: PMG158 MOUNTING ARM		
<b>PWMAP17</b> CATCODE: PMG159 T PIECE MOUNT PIN	Bolts for Gang Pillow Block Housing TOTAL WEIGHT: 0.20kg	U-Bolt 80x90 to suit Gang (Nylocs) TOTAL WEIGHT: 0.47kg
<b>PWMAP18</b> CATCODE: PMG160 BRONZE BUSH SUIT M/ARM-T PIECE	<b>PWUBOLT/GANG</b> CATCODE: PNB028	<b>PWBNG/32NB</b> CATCODE: PBS021
<b>PWMAP22</b> CATCODE: PMG161 NUT SUIT CENTRE SHAFT		
<b>PWMAP25</b> CATCODE: PMG162 THREADED T PIECE-SUIT CENTRE SHAFT	U-Bolt 100x100x19 to suit Gang Mounting Brackets TOTAL WEIGHT: 0.89kg	1 1/4 (32mm) Nylon Bush (to suit 18 Nylon Bush Press Wheel) TOTAL WEIGHT: 0.04kg
<b>PWMAP26</b> CATCODE: PMG163 LOCK NUT - SUIT T PIECE	<b>PWBNG/F</b> CATCODE: PBS024	<b>PWBNG/FH</b> CATCODE: PBS025
<b>PWMAP27</b> CATCODE: PMG164 NUT-SUIT T PIECE		
<b>PWMAP28</b> CATCODE: PMG165 LOWER SPRING WASHER-HOLDER	Pillow Block Bearing (32mm) To Suit Mount Gangs TOTAL WEIGHT: 0.35kg	Pillow Block Bearing Housing (Cast Steel) To Suit Mount Gangs TOTAL WEIGHT: 0.90kg
<b>PWMAP29</b> CATCODE: PMG166 SPRING - GANG MOUNTING ARM	<b>18PWALNBCENTRE</b> CATCODE: PWC025	<b>PWGANGCONPLATE</b> CATCODE: PMG219
<b>PWMAP30</b> CATCODE: PMG168 UPPER SPRING WASHER-HOLDER		
<b>PWMAP31</b> CATCODE: PMG169 CENTRE SHAFT	Alu Centre for 1 1/4 Nylon Bush to suit 18 Tyre TOTAL WEIGHT: 5.40kg	<b>PWGANGCP-BOLT</b> CATCODE: PMG220
		Code is for 1 bolt only 

## Gang Conversions



If you are buying or already have a new or second hand Gang Assembly with either steel or poly wheels that either are not suited to your conditions or are simply worn out then Manutec Gang conversions offer a good solution. Simply unbolt the existing wheels and axles from the gang frames and replace with Manutec parts. Very popular for converting Flexi-Coil, Bourgault, Morris and Ezee-On Gangs.

This eliminates the problem of removing the existing wheels from the axles to replace them with new wheels, which on some gangs is a time consuming and sometimes an almost impossible task.

The Manutec kit provides new axles, spacers, bearings and wheels. Additionally the unique Manutec spacer system is guaranteed to never seize up, making future maintenance an easy task and extending the life of your gang by many years. Manutec also does replacement tyres for the John Deere Air Hoe Drills and Flexi Coil Air Hoe Drill Gangs.

**COMING SOON:** Gang conversion for John Deere, Morris, Flexicoil and Bourgault Air Hoe Drills.

## NEW IN 2019

### AIR HOE DRILL CONVERSIONS - SOLID WHEELS

A new Air Drill Conversion Kit is currently being developed to replace worn and damaged wheels.

Why choose a Manutec Air Hoe Drill conversion?

#### 1. 18% STRONGER COMPONENTS

Manutec has increased the shaft size and bearings from 1.25" to 1.5". High quality PEER bearing & housings have been used.

#### 2. REDUCED COST

Despite the increase in strength, the Manutec conversions are 50% less expensive than the original OEM parts.

#### 3. REDUCED ONGOING COSTS AND MAINTENANCE

Manutec utilises a split rim system and high durability cushion rubber tyres. All components available as spare parts and easily repairable. Axles are made from high quality Australian steel and bearings are all premium SKF-PEER brand.

#### 4. AUSTRALIAN OWNED AND OPERATED FOR OVER 30 YEARS





# Gang Conversions 7.2"

## (6, 7, 8, 9 & 10 Wheel Gangs)

**NOTE:** CATCODE is for the Gang Conversion. This includes wheels, spacers, axles, bearings, nuts and bolts.

Gang Assemblies are also available with Semi-Pneumatic tyres, please call for CATCODES.

### 18" GANG WHEEL



For spacings other than 7.2", 9", 10" or 12" please call.

The wider tyres are suitable for split and spread row seeding

100mm Flat Ribbed Tyre & 120mm Flat Tyre also available

**NOTE:** all assemblies come in Flat Pack form.

#### Semi-Solid

#### Solid

NARROW

WIDE

#### 18PW55FLSS

6 wheel CATCODE: PMG219C  
7 wheel CATCODE: PMG220C  
8 wheel CATCODE: PMG221C  
9 wheel CATCODE: PMG222C  
10 wheel CATCODE: PMG223C

#### 18PW55WGSS

6 wheel CATCODE: PMG224C  
7 wheel CATCODE: PMG225C  
8 wheel CATCODE: PMG226C  
9 wheel CATCODE: PMG227C  
10 wheel CATCODE: PMG228C

#### 18PW80WGSS

6 wheel CATCODE: PMG229C  
7 wheel CATCODE: PMG230C  
8 wheel CATCODE: PMG231C  
9 wheel CATCODE: PMG232C  
10 wheel CATCODE: PMG233C

#### 18PW100FLSS

6 wheel CATCODE: PMG234C  
7 wheel CATCODE: PMG235C  
8 wheel CATCODE: PMG236C  
9 wheel CATCODE: PMG237C  
10 wheel CATCODE: PMG238C

#### 18PW110WGSS

6 wheel CATCODE: PMG300C  
7 wheel CATCODE: PMG301C  
8 wheel CATCODE: PMG302C  
9 wheel CATCODE: PMG303C  
10 wheel CATCODE: PMG304C

#### 18PW55FLSD

6 wheel CATCODE: PMG239C  
7 wheel CATCODE: PMG240C  
8 wheel CATCODE: PMG241C  
9 wheel CATCODE: PMG242C  
10 wheel CATCODE: PMG243C

#### 18PW55WGSD

6 wheel CATCODE: PMG244C  
7 wheel CATCODE: PMG245C  
8 wheel CATCODE: PMG246C  
9 wheel CATCODE: PMG247C  
10 wheel CATCODE: PMG248C

#### 18PW80WGSD

6 wheel CATCODE: PMG052C  
7 wheel CATCODE: PMG060C  
8 wheel CATCODE: PMG068C  
9 wheel CATCODE: PMG076C  
10 wheel CATCODE: PMG043C

#### 18PW100FLSD

6 wheel CATCODE: PMG046C  
7 wheel CATCODE: PMG054C  
8 wheel CATCODE: PMG062C  
9 wheel CATCODE: PMG070C  
10 wheel CATCODE: PMG078C

#### 18PW110WGSD

6 wheel CATCODE: PMG315C  
7 wheel CATCODE: PMG316C  
8 wheel CATCODE: PMG317C  
9 wheel CATCODE: PMG318C  
10 wheel CATCODE: PMG319C

THICK

HARD

## Gang Conversions

### 9" (5, 6, 7 & 8 Wheel Gangs)

**NOTE:** CATCODE is for the Gang Conversion. This includes wheels, spacers, axles, bearings, nuts and bolts.

Gang Assemblies are also available with Semi-Pneumatic tyres, please call for CATCODES.

#### 18" GANG WHEEL



PMG

For spacings other than 7.2", 9", 10" or 12" please call.

The wider tyres are suitable for split and spread row seeding

100mm Flat Ribbed Tyre & 120mm Flat Tyre also available

**NOTE:** all assemblies come in Flat Pack form.

Semi-Solid

Solid

#### 18PW55FLSS

5 wheel CATCODE: PMG249C  
6 wheel CATCODE: PMG250C  
7 wheel CATCODE: PMG251C  
8 wheel CATCODE: PMG252C

#### 18PW55FLSD

5 wheel CATCODE: PMG261C  
6 wheel CATCODE: PMG262C  
7 wheel CATCODE: PMG263C  
8 wheel CATCODE: PMG264C

#### 18PW55WGSS

5 wheel CATCODE: PMG253C  
6 wheel CATCODE: PMG254C  
7 wheel CATCODE: PMG255C  
8 wheel CATCODE: PMG256C

#### 18PW55WGSD

5 wheel CATCODE: PMG265C  
6 wheel CATCODE: PMG266C  
7 wheel CATCODE: PMG267C  
8 wheel CATCODE: PMG268C

#### 18PW80WGSS

5 wheel CATCODE: PMG099C  
6 wheel CATCODE: PMG108C  
7 wheel CATCODE: PMG117C  
8 wheel CATCODE: PMG126C

#### 18PW80WGSD

5 wheel CATCODE: PMG097C  
6 wheel CATCODE: PMG106C  
7 wheel CATCODE: PMG115C  
8 wheel CATCODE: PMG124C

#### 18PW100FLSS

5 wheel CATCODE: PMG257C  
6 wheel CATCODE: PMG258C  
7 wheel CATCODE: PMG259C  
8 wheel CATCODE: PMG260C

#### 18PW100FLSD

5 wheel CATCODE: PMG091C  
6 wheel CATCODE: PMG100C  
7 wheel CATCODE: PMG109C  
8 wheel CATCODE: PMG118C

#### 18PW110WGSS

5 wheel CATCODE: PMG305C  
6 wheel CATCODE: PMG306C  
7 wheel CATCODE: PMG307C  
8 wheel CATCODE: PMG308C

#### 18PW110WGSD

5 wheel CATCODE: PMG320C  
6 wheel CATCODE: PMG321C  
7 wheel CATCODE: PMG322C  
8 wheel CATCODE: PMG323C

NARROW

WIDE

THICK

HARD



# Gang Conversions

## 10" (5, 6, 7 & 8 Wheel Gangs)

**NOTE:** CATCODE is for the Gang Conversion. This includes wheels, spacers, axles, bearings, nuts and bolts.

Gang Assemblies are also available with Semi-Pneumatic tyres, please call for CATCODES.

Semi-Solid

Solid

### 18" GANG WHEEL



PMG

For spacings other than 7.2", 9", 10" or 12" please call.

The wider tyres are suitable for split and spread row seeding

100mm Flat Ribbed Tyre & 120mm Flat Tyre also available

**NOTE:** all assemblies come in Flat Pack form.

NARROW

WIDE

#### 18PW55FLSS

5 wheel CATCODE: PMG269C  
6 wheel CATCODE: PMG270C  
7 wheel CATCODE: PMG271C  
8 wheel CATCODE: PMG272C

#### 18PW55WGSS

5 wheel CATCODE: PMG273C  
6 wheel CATCODE: PMG274C  
7 wheel CATCODE: PMG275C  
8 wheel CATCODE: PMG276C

#### 18PW80WGSS

5 wheel CATCODE: PMG289C  
6 wheel CATCODE: PMG290C  
7 wheel CATCODE: PMG008C  
8 wheel CATCODE: PMG011C

#### 18PW100FLSS

5 wheel CATCODE: PMG277C  
6 wheel CATCODE: PMG278C  
7 wheel CATCODE: PMG279C  
8 wheel CATCODE: PMG280C

#### 18PW110WGSS

5 wheel CATCODE: PMG309C  
6 wheel CATCODE: PMG310C  
7 wheel CATCODE: PMG311C  
8 wheel CATCODE: PMG312C

#### 18PW55FLSD

5 wheel CATCODE: PMG281C  
6 wheel CATCODE: PMG282C  
7 wheel CATCODE: PMG283C  
8 wheel CATCODE: PMG284C

#### 18PW55WGSD

5 wheel CATCODE: PMG285C  
6 wheel CATCODE: PMG286C  
7 wheel CATCODE: PMG287C  
8 wheel CATCODE: PMG288C

#### 18PW80WGSD

5 wheel CATCODE: PMG002C  
6 wheel CATCODE: PMG004C  
7 wheel CATCODE: PMG007C  
8 wheel CATCODE: PMG010C

#### 18PW100FLSD

5 wheel CATCODE: PMG001C  
6 wheel CATCODE: PMG003C  
7 wheel CATCODE: PMG006C  
8 wheel CATCODE: PMG009C

#### 18PW110WGSD

5 wheel CATCODE: PMG324C  
6 wheel CATCODE: PMG325C  
7 wheel CATCODE: PMG326C  
8 wheel CATCODE: PMG327C

THICK

HARD

## Gang Conversions 12" (4, 5 & 6 Wheel Gangs)

**NOTE:** CATCODE is for the Gang Conversion. This includes wheels, spacers, axles, bearings, nuts and bolts.

Gang conversions are also available with Semi-Pneumatic tyres, please call for CATCODES.

Semi-Solid

Solid

**18PW55FLSS** 

4 wheel CATCODE: PMG295C  
5 wheel CATCODE: PMG296C  
6 wheel CATCODE: PMG297C

**18PW55FLSD** 

4 wheel CATCODE: PMG298C  
5 wheel CATCODE: PMG299C  
6 wheel CATCODE: PMG300C

**18PW55WGSS** 

4 wheel CATCODE: PMG301C  
5 wheel CATCODE: PMG302C  
6 wheel CATCODE: PMG303C

**18PW55WGSD** 

4 wheel CATCODE: PMG304C  
5 wheel CATCODE: PMG305C  
6 wheel CATCODE: PMG306C

NARROW

**18PW80WGSS** 

4 wheel CATCODE: PMG020C  
5 wheel CATCODE: PMG029C  
6 wheel CATCODE: PMG038C

**18PW80WGSD** 

4 wheel CATCODE: PMG018C  
5 wheel CATCODE: PMG027C  
6 wheel CATCODE: PMG036C

PMG


**18PW100FLSS** 

4 wheel CATCODE: PMG307C  
5 wheel CATCODE: PMG308C  
6 wheel CATCODE: PMG309C

**18PW100FLSD** 

4 wheel CATCODE: PMG012C  
5 wheel CATCODE: PMG021C  
6 wheel CATCODE: PMG030C

WIDE

**18PW110WGSS** 

4 wheel CATCODE: PMG313C  
5 wheel CATCODE: PMG314C  
6 wheel CATCODE: PMG315C

**18PW110WGSD** 

4 wheel CATCODE: PMG328C  
5 wheel CATCODE: PMG329C  
6 wheel CATCODE: PMG330C

THICK

HARD

**18" GANG WHEEL**

For spacings other than 7.2", 9", 10" or 12" please call.

The wider tyres are suitable for split and spread row seeding

100mm Flat Ribbed Tyre & 120mm Flat Tyre also available

**NOTE:** all assemblies come in Flat Pack form.



## Air Hoe Drill Gang Conversions

SUITS JOHN DEERE, FLEXI-COIL AND BOURGAULT AIR HOE DRILLS



Manutec has developed a kit for farmers to remove the existing wheel and axle units from the Air Hoe Drill gangs and replace them with a new fully pneumatic wheel system.

The Manutec Air Hoe Drill Kit attaches to the existing frames, however each wheel unit becomes independent. This significantly improves the maintainability. A complete wheel change can be completed in under 10 minutes.

## NEW IN 2019

### AIR HOE DRILL CONVERSIONS - SOLID WHEELS

A new Air Drill Conversion Kit is currently being developed to replace worn and damaged wheels.

Why choose a Manutec Air Hoe Drill conversion?

#### 1. 18% STRONGER COMPONENTS

Manutec has increased the shaft size and bearings from 1.25" to 1.5". High quality PEER bearing & housings have been used.

#### 2. REDUCED COST

Despite the increase in strength, the Manutec conversions are 50% less expensive than the original OEM parts.

#### 3. REDUCED ONGOING COSTS AND MAINTENANCE

Manutec utilises a split rim system and high durability cushion rubber tyres. All components available as spare parts and easily repairable. Axles are made from high quality Australian steel and bearings are all premium SKF-PEER brand.

#### 4. AUSTRALIAN OWNED AND OPERATED FOR OVER 30 YEARS



## Extension Arms & Toolbars

Manutec has a range of toolbar options available. These include:

- Extension arms, C/W plates and ubolts in 700mm, 350mm and 200mm lengths
- Shackle plate kits for cross joining 4" and 3" RHS
- Profile cut plates and ubolts, to enable arms to be tailor made



The full range of parts is on Pages 44-45, call us to determine which set up is best for your machine.

## Shackle Plate Kits

























Manutec shackle plate kits is a set of clamps and shackle plates designed to cross clamp 3x3 and 4x4 RHS.





# Extension Arms & Toolbars

All sets also available with 20mm UBolts

NO UBOLTS	3" SHACKLE PLATES	4" SHACKLE PLATES	3" & 4" SHACKLE PLATES
<p>PWEXTARM350HD CATCODE: PXA001</p>  <p>350mm Extension Arm HEAVY DUTY</p>	<p>PWEXTARM350HD3 CATCODE: PXA002</p>  <p>350mm Extension Arm and four 3" UBolts (80x105) HEAVY DUTY</p>	<p>PWEXTARM350HD4 CATCODE: PXA003</p>  <p>350mm Extension Arm four 4" UBolts (105x125) HEAVY DUTY</p>	<p>PWEXTARM350HDB CATCODE: PXA004</p>  <p>350mm Extension Arm and 4"/3" UBolts (80x105 &amp; 105x125) HEAVY DUTY</p>
<p>PWEXTARM350T CATCODE: PXA005</p>  <p>350mm T Extension Arm HEAVY DUTY</p>	<p>PWMOUNTPLATESETHD3 CATCODE: PXA009</p>  <p>Heavy Duty Mounting Plates and four 3" UBolts (80x105)</p>	<p>PWMOUNTPLATESET4 CATCODE: PXA008</p>  <p>Mounting Plates and four 4" UBolts (105x125) LIGHT DUTY</p>	<p>PWMOUNTPLATESETHDB CATCODE: PXA011</p>  <p>Heavy Duty Mounting Plates and 4"/3" UBolts (80x105 &amp; 105x125)</p>
<p>PWMOUNTPLATEHD CATCODE: PXA006</p>  <p>Mounting Plate HEAVY DUTY</p>	<p>WWASSEXTARMG200QRHD3 CATCODE: PXA027</p>  <p>200mm Quick Release Extension Arm and four 3" UBolts (80x105) HEAVY DUTY</p>	<p>PWMOUNTPLATESETHD4 CATCODE: PXA010</p>  <p>Heavy Duty Mounting Plates and four 4" UBolts (105x125)</p>	<p>WWASSEXTARMG200QRHDB CATCODE: PXA029</p>  <p>200mm Quick Release Extension Arm &amp; 4"/3" UBolts (80x105 &amp; 105x125) HEAVY DUTY</p>
<p>PWXMPLATEHD CATCODE: PXA012</p>  <p>Cross Bar Mounting Plate HEAVY DUTY</p>	<p>WWASSEXTARMG700HD3 CATCODE: PXA035</p>  <p>700mm Extension Arm and four 3" UBolts (80x105) HEAVY DUTY</p>	<p>WWASSEXTARMG200QRHD4 CATCODE: PXA028</p>  <p>200mm Quick Release Extension Arm and four 4" UBolts (105x125) HEAVY DUTY</p>	<p>WWASSEXTARMG700HDB CATCODE: PXA037</p>  <p>700mm Extension Arm and 4"/3" UBolts (80x105 &amp; 105x125) HEAVY DUTY</p>
<p>WWASSEXTARMG200QRHD CATCODE: PXA026</p>  <p>200mm Quick Release Extension Arm HEAVY DUTY</p>	<p>PW4SP-20 CATCODE: PNB016</p> 	<p>WWASSEXTARMG700HD4 CATCODE: PXA036</p>  <p>700mm Extension Arm and four 4" UBolts (105x125) HEAVY DUTY</p>	<p>PW3SP-20 CATCODE: PNB040</p> 
<p>WWASSEXTARMG700HD CATCODE: PXA034</p>  <p>700mm Extension Arm HEAVY DUTY</p>	<p>PWMOUNTPLATELD CATCODE: PXA007</p>  <p>Mounting Plate and 4X3" UBolts (80x105) LIGHT DUTY</p>	<p>PW3SP-16 CATCODE: PNB037</p> 	<p>PW4SP-16 CATCODE: PNB038</p> 

## Extension Arms & Toolbars

**PWEXTAR220HD**  
CATCODE: PXA072



Does not include  
clamp or ubolts  
220mm Extension Arm

**PWDROPARM400**  
CATCODE: PXA073



400mm Drop Arm (3x3)

**PWEXTARM100HD**  
CATCODE: PXA076



Does not include clamp  
or Ubolt  
100mm Extension Arm



**PWIFCLAMP100**  
CATCODE: PSW231



In-Frame Swivel Assembly  
Mounting Clamp/Bolts (100mm)

**PWIFCLAMP75**  
CATCODE: PSW232



In-Frame Swivel Assembly  
Mounting Clamp/Bolts (75mm)



**OTHER LENGTHS AVAILABLE - PLEASE CALL**

**PWUBOLT/3X3-HT**  
High Tensile Ubolt



**PWUBOLT/3X3HD-HT**  
High Tensile Ubolt



**PWUBOLT/4X4-HT**  
High Tensile Ubolt



**PWUBOLT/4X4HD-HT**  
High Tensile Ubolt



**PW3SP-16**

Shackle plate set to suit 3x3  
(75x75) - 16mm



**PW4SP-16**

Shackleplate set to suit 4x4  
(100x100) - 16mm



**PW3SP-20**

Shackle plate set to suit 3x3  
(75x75) - 20mm



**PW4SP-20**

Shackle plate set to suit 4x4  
(100x100) - 20mm



**PW3X3X3SP**

Shackle plate & bolts to suit 3x3  
to 3x3 join - 20mm



**PW4X12SP**

Shackle plate 4" to suit  
20mm bolts



**PW3X12SP**

Shackle plate 3" to suit  
20mm bolts



**PW3X3X4SP**

Shackle plate & bolts to suit 3x3  
to 4x4 join - 20mm



**PWUBOLT/80X75HD**



**PWUBOLT/105X100HD**



**PW3X4SP-20**



**PW3X4SP-16**





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 View product information  
 Check order history  
 Update delivery addresses  
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## Section 2

### Coulter Assemblies





# Heavy Duty Coulters



## SINGLE HD COULTER

NOTE: all assemblies come in Flat Pack form.



Agrihub option

16" PLAIN

16" FLUTED DISC

18" PLAIN

18" CROSS WAVE

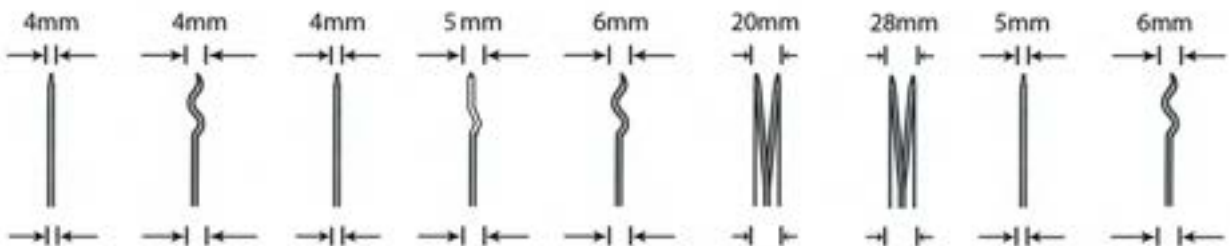
18" FLUTED DISC

18" WAVEY 13 WAVES

18" WAVEY 24 WAVES

20" PLAIN

20" FLUTED DISC



CATCODES:

- PCO059
- PCO060
- PCO061
- PCO239
- PCO062
- PCO065
- PCO066
- PCO068
- PCO067

NOTE: Also now available with both standard and slimline zero maintenance Agrihub options. To order standard add -AH to catcodes above, to order slimline add -AS to catcode above.

FOR OTHER DISC OPTIONS SEE SECTION 8



**CALL DAN FOR  
A QUOTE TODAY**

**(08) 8260 2277**

**Manutec**

MANUFACTURING TECHNOLOGY

# Heavy Duty Coulters



16"  
PLAIN

16"  
FLUTED  
DISC

18"  
PLAIN

## TWIN HD COULTER

NOTE: all assemblies  
come in Flat Pack form.



Agrihub  
option

18"  
CROSS  
WAVE

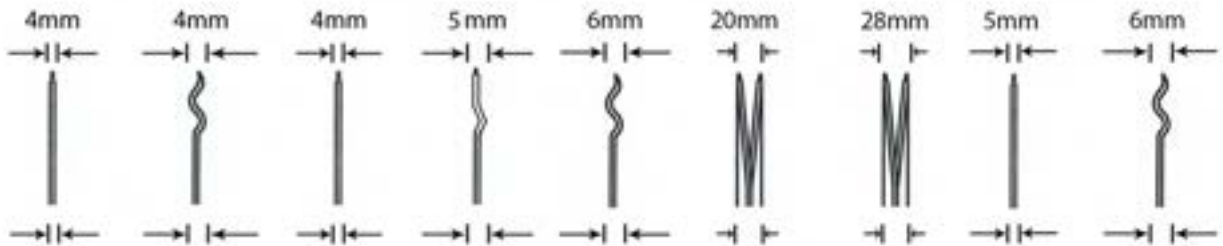
18"  
FLUTED  
DISC

18"  
WAVEY  
13 WAVES

18"  
WAVEY  
24 WAVES

20"  
PLAIN

20"  
FLUTED  
DISC



### CATCODES:

PCO089	PCO090	PCO091	PCO242	PCO092	PCO095	PCO096	PCO098	PCO097
PCO099	PCO100	PCO101	PCO243	PCO102	PCO105	PCO106	PCO108	PCO107
PCO109	PCO110	PCO111	PCO244	PCO112	PCO115	PCO116	PCO18	PCO117

SPACINGS  
9-10"  
12-13"  
13-15"

NOTE: Also now available with both standard and slimline zero maintenance Agrihub option.  
To order standard add -AH to catcodes above, to order slimline add -AS to the catcode above/  
FOR OTHER DISC OPTIONS SEE SECTION 8





## Heavy Duty Coulter Spares & Accessories

<p><b>HDCSP01</b> CATCODE: PCO295</p>  <p>HDC Spring Rod</p>	<p><b>HDCSP02</b> CATCODE: PCO296</p>  <p>HDC Spring Bush</p>	<p><b>HDCSP03</b> CATCODE: PCO297</p>  <p>HDC Spring Plate Forward</p>	<p><b>HDCSP04</b> CATCODE: PCO298</p>  <p>HDC Spring Plate Rear</p>
<p><b>HDCSP05</b> CATCODE: PCO299</p>  <p>HDC Spring Rod Nut</p>	<p><b>HDCSP06</b> CATCODE: PCO300</p>  <p>HDC Spring Release Pin</p>	<p><b>HDCSP07</b> CATCODE: PCO301</p>  <p>HDC Mounting Arm Pin &amp; Clip</p>	<p><b>HDCSP08</b> CATCODE: PCO302</p>  <p>HDC R Clip</p>
<p><b>PWHTH-S/SGN</b> CATCODE: PAX041</p>  <p>Holden HT Hub (Grease Nipple) TOTAL WIEGHT: 2.32kg</p>	<p><b>PWIHH-S/G</b> CATCODE: PAX052</p>  <p>Integral Hub Stand Alone TOTAL WEIGHT: 2.25kg</p>	<p><b>PWCOULCHEEK12</b> CATCODE: PCO013</p>  <p>12in Coulter Cheek TOTAL WEIGHT: 3.50kg</p>	<p><b>PWCOULCHEEK14</b> CATCODE: PCO014</p>  <p>14in Coulter Cheek TOTAL WEIGHT: 5.60kg</p>
<p><b>CDDRUM11X3</b> CATCODE: PCO313</p>  <p>11" X 3" Coulter Drum PCD 5X108</p>	<p><b>CDDRUM12</b> CATCODE: PCO314</p>  <p>12" X 2" Coulter Drum PCD 5X108</p>	<p><b>PWHDCSP</b> CATCODE: PCO285</p>  <p>Spring Heavy Duty Coulter</p>	<p><b>PWHDCMARM</b> CATCODE: PCO282</p>  <p>Mounting Arm HD Coulter</p>
<p><b>PWHDC/60082RS</b> CATCODE: PCO281</p>  <p>HD Coulter Swivel Bearings</p>	<p><b>PWHDC-SARM</b> CATCODE: PCO275</p>  <p>(Also available to suit AgriHub) Single arm to suit Heavy Duty Coulter</p>	<p><b>PWHDC-TARM</b> CATCODE: PCO278</p>  <p>Twin arm to suit Heavy Duty Coulter</p>	<p><b>PWHDCSWSEAL</b> CATCODE: PCO287</p>  <p>Swivel Seal to suit HDC</p>
<p><b>PWHDC-WOAJD</b> CATCODE: PCO280</p>  <p>Weldon Adjuster</p>	<p><b>PWHDC-SARMPIVOT</b> CATCODE: PCO277</p>  <p>Single Arm Pivot to suit Heavy Duty Coulter</p>	<p><b>PWHDC-TARMPIVOT</b> CATCODE: PCO279</p>  <p>Twin arm pivot to suit Heavy Duty Coulter</p>	<p><b>PWHUB/AH-HT</b> CATCODE: PXA071</p>  <p>Slim Line Agri Hub HT Pattern</p>
<p><b>PWHDC-SARMNB-AH</b> CATCODE: PXA074</p>  <p>Single Arm to suit Agri Hub, H/D Coulter</p>	<p><b>PWCS48688</b> CATCODE: PXA075</p>  <p>Seal for internal part of swivel</p>	<p><b>PWSHI-5HT</b> CATCODE: POC010</p>  <p>HT Cover Plate for Agri Hub</p>	<p><b>PWHUB/AHSA</b> CATCODE: PBS057</p>  <p>Slim Line Agri Hub HT Pattern</p>

## Heavy Duty Coulter Spares & Accessories

<p><b>PWXMPLATEHD</b> CATCODE: PXA012</p>  <p>4" Mounting Plate</p>	<p><b>PWSP4-20</b> CATCODE: PNB038</p>  <p>Heavy Duty (20mm) 4" Shackle Plate</p>	<p><b>PWSP3-20</b> CATCODE: PNB037</p>  <p>Heavy Duty (20mm) 3" Shackle Plate</p>	<p><b>PWEXTARM350HD</b> CATCODE: PXA001</p>  <p>350mm Extension Arm (Heavy Duty)</p>
<p><b>PWUBOLT/4X4HD-HT</b> CATCODE: PNB033</p>  <p>4" Mounting UBolt</p>	<p><b>PWUBOLT/3X3HD-HT</b> CATCODE: PNB034</p>  <p>3" Mounting Bolt</p>	 <p>Cross Mounting Plate Set Up</p>	



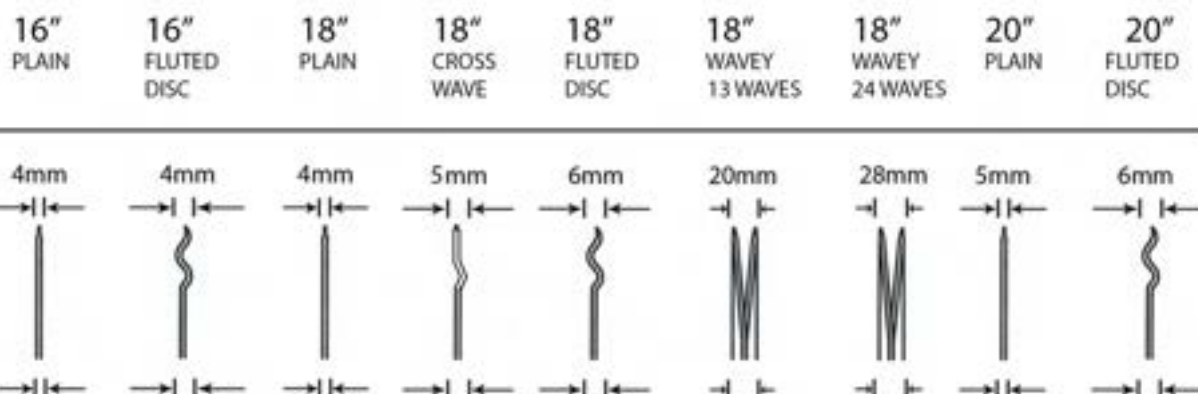


## Light/Medium Duty Coulters



### SINGLE COULTER (SET UNDER)

NOTE: all assemblies come in Flat Pack form.



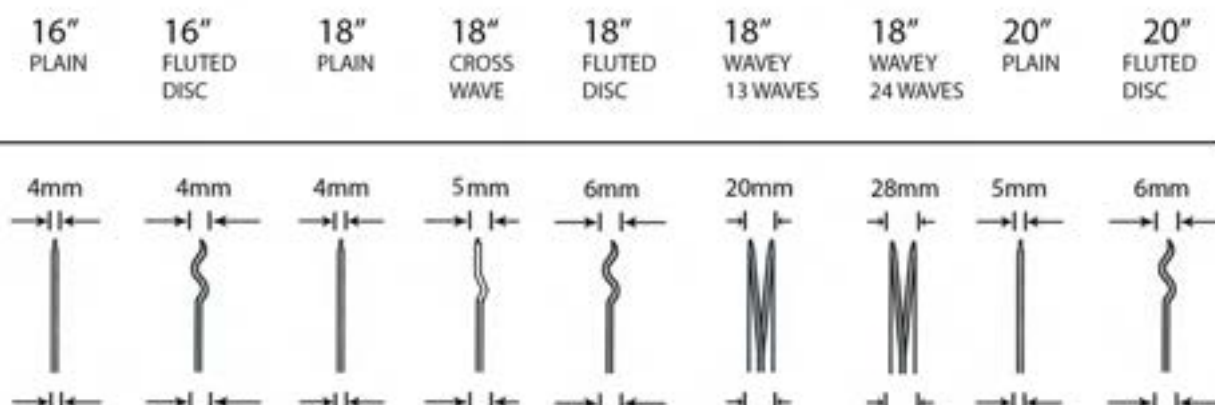
CATCODES:

PCO119    PCO120    PCO121    PCO247    PCO122    PCO125    PCO126    PCO128    PCO127



### SINGLE COULTER (SET BACK - TRAILING)

ALSO AVAILABLE TO SUIT LOW CLEARANCE MACHINES



CATCODES:

PCO129    PCO130    PCO131    PCO248    PCO132    PCO135    PCO136    PCO138    PCO137

FOR OTHER DISC OPTIONS SEE SECTION 8

## Light/Medium Duty Coulters



### TWIN COULTER (SET UNDER)

NOTE: all assemblies come in Flat Pack form.

16"  
PLAIN

16"  
FLUTED  
DISC

18"  
PLAIN

18"  
CROSS  
WAVE

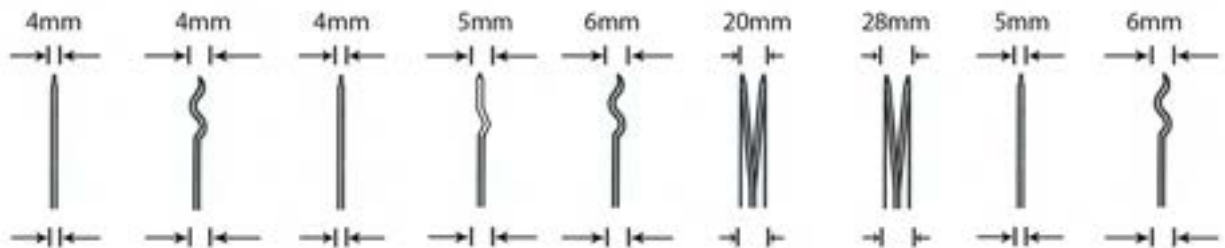
18"  
FLUTED  
DISC

18"  
WAVEY  
13 WAVES

18"  
WAVEY  
24 WAVES

20"  
PLAIN

20"  
FLUTED  
DISC



#### CATCODES:

SPACINGS	7"	8"	9-10"	12-13"	13-15"
	PCO139	PCO149	PCO159	PCO169	PCO179
	PCO140	PCO150	PCO160	PCO170	PCO180
	PCO141	PCO151	PCO161	PCO171	PCO181
	PCO249	PCO250	PCO251	PCO252	PCO253
	PCO142	PCO152	PCO162	PCO172	PCO182
	PCO145	PCO155	PCO165	PCO175	PCO185
	PCO146	PCO156	PCO166	PCO176	PCO186
	PCO148	PCO158	PCO168	PCO178	PCO188
	PCO147	PCO157	PCO167	PCO177	PCO187

FOR OTHER DISC OPTIONS SEE SECTION 8



## Light/Medium Duty Coulters



### TWIN COULTER (SET BACK - TRAILING)

ALSO AVAILABLE TO SUIT LOW CLEARANCE MACHINES

**NOTE:** all assemblies  
come in Flat Pack form.

16"  
PLAIN

16"  
FLUTED  
DISC

18"  
PLAIN

18"  
CROSS  
WAVE

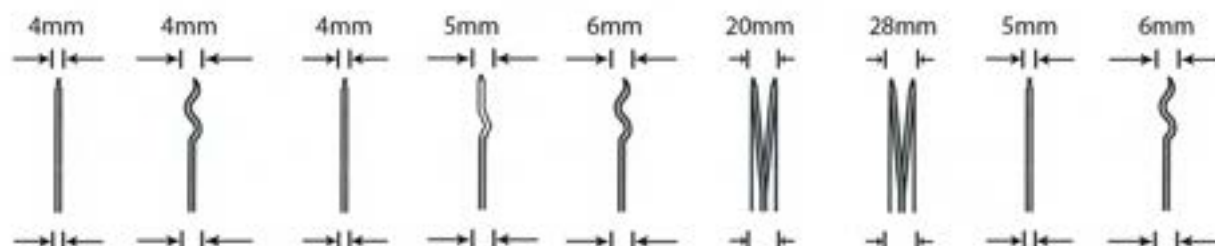
18"  
FLUTED  
DISC

18"  
WAVEY  
13 WAVES

18"  
WAVEY  
24 WAVES

20"  
PLAIN

20"  
FLUTED  
DISC



#### CATCODES:

SPACINGS	7"	8"	9-10"	12-13"	13-15"
	PCO189	PCO199	PCO209	PCO219	PCO229
	PCO190	PCO200	PCO210	PCO220	PCO230
	PCO191	PCO201	PCO211	PCO221	PCO231
	PCO254	PCO255	PCO256	PCO257	PCO258
	PCO192	PCO202	PCO212	PCO222	PCO232
	PCO195	PCO205	PCO215	PCO225	PCO235
	PCO196	PCO206	PCO216	PCO226	PCO236
	PCO198	PCO208	PCO218	PCO228	PCO238
	PCO197	PCO207	PCO217	PCO227	PCO237




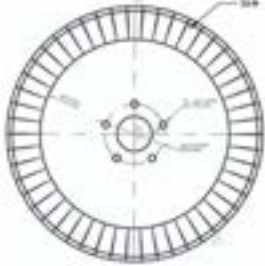

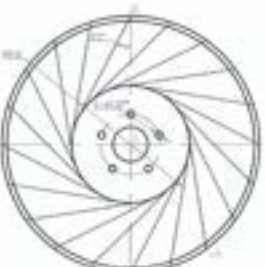
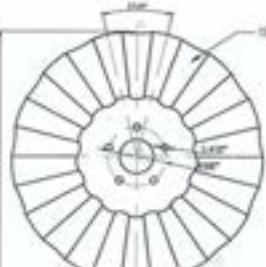
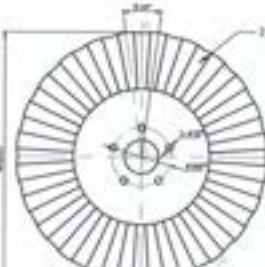

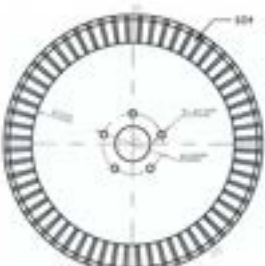
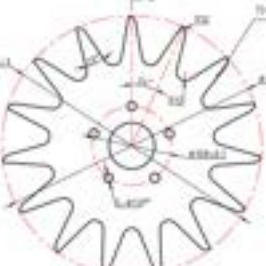

FOR OTHER DISC OPTIONS SEE SECTION 8

## Light/Medium Duty Coulters Spares & Accessories

<p><b>PWHTH-S/SGN</b> CATCODE: PAX041</p>  <p>Holden HT Hub (Grease Nipple) TOTAL WEIGHT: 2.32kg</p>	<p><b>PWIHH-S/G</b> CATCODE: PAX052</p>  <p>Integral Hub Stand Alone TOTAL WEIGHT: 2.25kg</p>	<p><b>PWTRAILCOULTERTWIN</b> CATCODE: PCO052</p>  <p>Twin Trailing Coulters Assembly - No Disc, Disc Position Trailing Mounting Bar TOTAL WEIGHT: 21.76kg</p>	<p><b>PWTRAILCOULTSINGLE</b> CATCODE: PCO055</p>  <p>Single Trailing Coulters Assembly - No Disc, Disc Position Trailing Mounting Bar TOTAL WEIGHT: 21.12kg</p>
<p><b>PWTRAILCOULTUPPERARM</b> CATCODE: PCO058</p>  <p>Trailing Coulters Upper Arm TOTAL WEIGHT: 9.40kg</p>	<p><b>PWCOULCHEEK12</b> CATCODE: PCO013</p>  <p>12in Coulters Cheek TOTAL WEIGHT: 3.50kg</p>	<p><b>PWCOULCHEEK14</b> CATCODE: PCO014</p>  <p>14in Coulters Cheek TOTAL WEIGHT: 5.60kg</p>	<p><b>PWCOULTERBRACKET</b> CATCODE: PCO015</p>  <p>Coulters Mounting Bracket TOTAL WEIGHT: 3.00kg</p>
<p><b>PWCOULTERCHAIN</b> CATCODE: PCO016</p>  <p>Chain - Coulters Assembly TOTAL WEIGHT: 0.60kg</p>	<p><b>PWCOULTERCLAMP</b> CATCODE: PCO017</p>  <p>Coulters Clamp TOTAL WEIGHT: 0.66kg</p>	<p><b>CDDRUM11X3</b> CATCODE: PCO313</p>  <p>11" X 3" Coulters Drum PCD 5X108</p>	<p><b>CDDRUM12</b> CATCODE: PCO314</p>  <p>12" X 2" Coulters Drum PCD 5X108</p>
<p><b>PWCOULTUPPERARM</b> CATCODE: PCO050</p>  <p>Coulters Upper Arm</p>	<p><b>CLAMPLH-HANDLE</b> CATCODE: PCO012</p>  <p>Handle for CLAMPLH</p>	<p><b>PWOCAP/HT60</b> CATCODE: PCO005</p>  <p>60mm Overcap HT Pattern</p>	<p><b>PWCOULTERSINGLE</b> CATCODE: PCO023</p>  <p>Single Coulters Assembly - No Disc Disc Position Under Mounting Bar TOTAL WEIGHT: 18.66kg</p>
<p><b>PWCOULTERSPRING</b> CATCODE: PCO026</p>  <p>Spring - Coulters Assembly TOTAL WEIGHT: 1.10kg</p>	<p><b>PWCOULTERSPRINGHD</b> CATCODE: PCO027</p>  <p>Spring - Coulters Assembly - Heavy Duty TOTAL WEIGHT: 1.88kg</p>	<p><b>PWCOULTERSPRINGMD</b> CATCODE: PCO028</p>  <p>Spring - Coulters Assembly - Medium Duty TOTAL WEIGHT: 1.68kg</p>	<p><b>PWCOULTERTENSIONER</b> CATCODE: PCO029</p>  <p>Spring Tensioning Gear - Coulters Assembly TOTAL WEIGHT: 0.50kg</p>
<p><b>PWCOULTERTWIN</b> CATCODE: PCO030</p>  <p>Twin Coulters Assembly - No Disc Disc Position Under Mounting Bar TOTAL WEIGHT: 19.30kg</p>	<p><b>PWCOULHUBCOMP</b> CATCODE: PCO034</p>  <p>Coulters Hub - Axle - Bearings - Seals etc TOTAL WEIGHT: 4.00kg</p>	<p><b>PWCOULHUBCOMP8</b> CATCODE: PCO035</p>  <p>Coulters Hub - 8 inch Axle - Bearings - Seals etc TOTAL WEIGHT: 4.05kg</p>	<p><b>PWCOULHUBCOMP9</b> CATCODE: PCO036</p>  <p>Coulters Hub - 9 inch Axle - Bearings - Seals etc TOTAL WEIGHT: 4.30kg</p>
<p><b>PWCOULTSEAL</b> CATCODE: PCO037</p>  <p>Coulters Swivel Seal TOTAL WEIGHT: 0.05kg</p>	<p><b>PWCOULTSINGLELOWARM</b> CATCODE: PCO038</p>  <p>Coulters Lower Arm Single TOTAL WEIGHT: 6.26kg</p>	<p><b>PWCOULTSPRINGLUG</b> CATCODE: PCO039</p>  <p>Spring Lug - Coulters Assembly TOTAL WEIGHT: 0.40kg</p>	<p><b>PWCOULTTWINLOWERARM</b> CATCODE: PCO045</p>  <p>Coulters Lower Arm Twin TOTAL WEIGHT: 6.90kg</p>



## Coulter Discs (All Manutec HT pattern discs can now be used with zero maintenance AgriHub?)

<p><b>CD16DBPHT</b> CATCODE: PCO001</p>  <p>16in Plain Coulter Disc HT - DB</p>	<p><b>CD16FHT</b> CATCODE: PCO002</p>  <p>16in Fluted Coulter Disc HT - DB</p>	<p><b>CD18DBPHT</b> CATCODE: PCO003</p>  <p>18in Plain Coulter Disc HT - DB</p>	<p><b>CD18FHT</b> CATCODE: PCO004</p>  <p>18in Fluted Coulter Disc HT - DB</p>
<p><b>CD18SBPHT</b> CATCODE: PCO005</p>  <p>18in Plain Single Bevel Coulter Disc HT - GVI - SPECIAL</p>	<p><b>CD18THT</b> CATCODE: PCO006</p>  <p>18in Max-Til Coulter Disc HT - DB</p>	<p><b>CD18WV13HT</b> CATCODE: PCO007</p>  <p>18in 13 Wave Coulter Disc HT - DB</p>	<p><b>CD18WV24HT</b> CATCODE: PCO008</p>  <p>18in 24 Wave Coulter Disc HT - DB</p>
<p><b>CD20DBPHT</b> CATCODE: PCO009</p>  <p>20in Plain Coulter Disc HT - DB</p>	<p><b>CD20FHT</b> CATCODE: PCO010</p>  <p>20in Fluted Coulter Disc HT - DB</p>	<p><b>CD14RWHT</b> CATCODE: PCO239</p>  <p>14in Trash Wheel - HT - 10mm</p>	<p><b>CD18STHT</b> CATCODE: PCO240</p>  <p>18in X-Wave Coulter Disc HT-DB</p>

Zero Maintenance  
Agri Hub  
(Repair by replacement)  
OPTION 1



Zero Maintenance  
Agri Hub  
(Repair by replacement)  
OPTION 2



Holden  
HT Hub  
(Fully  
maintainable)



For a full range of discs see Section 8

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# Section 3

## Double & Triple Disc Openers



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CAVAN SA 5094

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Fax. (08) 8260 2399

## Double Disc & Triple Disc Assemblies



The MANUTEC double disc openers are located on a parallelogram system that provides constant down pressure, and they are independent of the weight of your seed drill.

What this means is that no matter what the quantity of seed and fertilizer within the drill, the sowing depth remains constant, and in most applications, there

is no need for a ground opening device to run before the double disc opener. When there is a requirement the MANUTEC triple disc system can be used.

The parallelograms operate independent of each other, so if one row hits an obstruction, only that particular unit will lift out of the ground, while all other units remain in the ground and the machine will stay steady. MANUTEC Disc Openers will cut through wheat stubble as high as 8 tonne/Ha, and this can be further enhanced by the triple disc system.

They can also cope with small branches and twigs. Another advantage of the double disc opener over tyne seeders is that seeding can be conducted at speeds of between 10 – 16 kilometres per hour, and also requiring less horsepower to operate.

The spacing of each unit can be as small as six inches (150mm). An adjustable spring setting allows down force of upto 300 lb to be set, depending on ground conditions.

Press wheels are used by the MANUTEC double disc opener. The press wheel trails behind the disc opener controlling sowing depth and covers the seed and fertilizer with soil, eliminating the need for harrows.



A flexible seed firmer gently positions the seed at the bottom of the opening while preventing seed bounce. Other features of the double disc opener include a mud scraper to prevent build-up of dirt between the discs and to prevent blockage of the seed tubes, and an easy to use press wheel height adjuster.

The MANUTEC range of Double Disc & Triple Disc Openers has been designed to be fitted to either the existing bar or a new tool bar using 3" or 4" U-Bolts. The Manutec Double Disc system is a simple and lightweight opener that allows any old bar to be easily converted to an efficient disc system at a relatively low cost outlay. Manutec has a range of mounting accessories available, please call for more information.



## Double Disc & Triple Disc Assemblies

### DOUBLE DISC

DDO-3 &  
CATCODE: PDD005

DDO-4  
CATCODE: PDD001

to suit 3" and 4" tool bar



A range of press wheel options are available.

### TRIPLE DISC

TDO-3 &  
CATCODE: PDD006

TDO-4  
CATCODE: PDD007

to suit 3" and 4" tool bar



A range of press wheel options are available.

## Double Disc Opener Spares

<p><b>DDO-4-NPW</b> CATCODE: PDD002</p>  <p>Double Disc - 4 inch - No Press Wheel Disc Unit Only</p>	<p><b>DDO-FRAMECOMP</b> CATCODE: PDD003</p>  <p>Double Disc Opener - Framework</p>	<p><b>DDO-HUBSEAL</b> CATCODE: PDD004</p>  <p>Double disc inner rubber seal</p>	<p><b>DDO-5/16UNC-N</b> CATCODE: PSP007</p>  <p>5/16 UNC NYLOC (305166) Suits Double Disc Opener</p>
<p><b>DDO-5/16X3/4UNC-B</b> CATCODE: PSP008</p>  <p>5/16X3/4 UNC BOLT (450074) Suits Double Disc Opener</p>	<p><b>DDO-51X38X2-W</b> CATCODE: PSP009</p>  <p>51X38X2 WASHER (W655) Suits Double Disc Opener</p>	<p><b>DDO-ADJSCREWSET</b> CATCODE: PSP010</p>  <p>Adjustable screw set Suits Double Disc Opener</p>	<p><b>DDO-BUSH14MM</b> CATCODE: PSP011</p>  <p>14MM BUSH Suits Double Disc Opener</p>
<p><b>DDO-DBHUB</b> CATCODE: PSP012</p>  <p>Double Bearing Hub DR169M Suits Double Disc Opener</p>	<p><b>DDO-DBHUBSEAL</b> CATCODE: PSP013</p>  <p>Double Bearing Hub Seal Suits Double Disc Opener</p>	<p><b>DDO-DISCBUSHSET</b> CATCODE: PSP014</p>  <p>Disc bush set Suits Double Disc Opener</p>	<p><b>DDO-DISCFRAME</b> CATCODE: PSP015</p>  <p>Double Disc Frame (DOS) Suits Double Disc Opener</p>
<p><b>DDO-DISCFRAMEX</b> CATCODE: PSP016</p>  <p>Double Disc Frame (LUS) - EXTRA LONG Suits Double Disc Opener</p>	<p><b>DDO-DSPACER</b> CATCODE: PSP017</p>  <p>Disc Spacer Suits Double Disc Opener</p>	<p><b>DDO-19.8X31.8X2-W</b> CATCODE: PSP005</p>  <p>19.8X31.8X2 WASHER (WHR165M) Suits Double Disc Opener</p>	<p><b>DDO-205KRP2</b> CATCODE: PSP006</p>  <p>205KRP2 Bearing Suits Double Disc Opener</p>
<p><b>DDO-PLDISC</b> CATCODE: PSP027</p>  <p>Plain Seeding Disc 240-1241 Suits Double Disc Opener</p>	<p><b>DDO-SCDISC</b> CATCODE: PSP036</p>  <p>Scalloped Seeding Disc 240-1241 Suits Double Disc Opener</p>	<p><b>DDO-HUBCLIP</b> CATCODE: PSP020</p>  <p>Hub Circlip Suits Double Disc Opener</p>	<p><b>DDO-LH3/4X23/4UNF</b> CATCODE: PSP021</p>  <p>3/4 inch x 2 3/4 inch UNF LH Bolt - 34234 Suits Double Disc Opener</p>
<p><b>DDO-LH3/4X2UNF</b> CATCODE: PSP022</p>  <p>3/4 inch x 2 inch UNF LH Bolt - 450681 Suits Double Disc Opener</p>	<p><b>DDO-LTS</b> CATCODE: PSP023</p>  <p>(WELDED NUT VERSION) Large Tension Spring DR150MC Suits Double Disc Opener (Pre 2017)</p>	<p><b>DDO-LTSNUT</b> CATCODE: PSP024</p>  <p>Nut - Weld On for Large Tension Spring Suits Double Disc Opener</p>	<p><b>DDO-LW</b> CATCODE: PSP025</p>  <p>Lock Washer - DDO Hub Suits Double Disc Opener</p>
<p><b>DDO-PBOLT14MM</b> CATCODE: PSP026</p>  <p>14mm Pivot Bolt/Nyloc Suits Double Disc Opener</p>	<p><b>DDO-PWARM</b> CATCODE: PSP028</p>  <p>Press wheel arm Suits Double Disc Opener</p>	<p><b>DDO-PWAXLEBOLT</b> CATCODE: PSP029</p>  <p>16mm PW Axle Bolt/Nyloc/Washer Suits Double Disc Opener</p>	<p><b>DDO-HANDLE</b> CATCODE: PSP019</p>  <p>Adjustment Handle - DDO Suits Double Disc Opener</p>




## Double Disc Opener Spares








<p><b>DDO-RH3/4X23/4UNF</b> CATCODE: PSP030</p>  <p>3/4 inch x 2 3/4 inch UNF RH Bolt - 34235 Suits Double Disc Opener</p>	<p><b>DDO-RH3/4X2UNF</b> CATCODE: PSP031</p>  <p>3/4 inch X 2 inch UNF RH Bolt - 450548 Suits Double Disc Opener</p>	<p><b>DDO-RP</b> CATCODE: PSP032</p>  <p>Roll Pin - Suits DDO-HANDLE Suits Double Disc Opener</p>	<p><b>DDO-SBHUB</b> CATCODE: PSP033</p>  <p>Single Bearing Hub DR168M Suits Double Disc Opener</p>
<p><b>DDO-SC</b> CATCODE: PSP034</p>  <p>Disc Scraper Suits Double Disc Opener</p>	<p><b>DDO-SCARM</b> CATCODE: PSP035</p>  <p>Scaper Connecting Arm (Weld On) Suits Double Disc Opener</p>	<p><b>DDO-PIVOTBUSH14MM</b> CATCODE: PSP123</p>  <p>New model suits 14mm pivot bolts Nylon Bush for DDO Pivots</p>	<p><b>DDO-SF</b> CATCODE: PSP037</p>  <p>Seed Firmer - UHMW Plastic DR178M Suits Double Disc Opener</p>
<p><b>DDO-SQSPACER</b> CATCODE: PSP038</p>  <p>Square spacer block Suits Double Disc Opener</p>	<p><b>DDO-WOTHREAD</b> CATCODE: PSP039</p>  <p>Weld On Thread Suits Double Disc Opener</p>	<p><b>DDO-WSPACER</b> CATCODE: PSP040</p>  <p>Wheel Spacer Suits Double Disc Opener</p>	<p><b>DDO-PIVOTBUSH</b> CATCODE: PSP119</p>  <p>Older Stubbleking/Agpro models suits 12mm bolts Nylon Bush for DDO Pivots</p>
<p><b>DDO-SPRING</b> CATCODE: PSP113</p>  <p>Spring Suits Double Disc Opener (2017+)</p>	<p><b>DDO-LTS-SIB</b> CATCODE: PSP115</p>  <p>Spring Suits Double Disc Opener - Screw in Bush version</p>	<p><b>DDO-SPEYEBOLT</b> CATCODE: PSP112</p>  <p>Spring Eye Bolt Suits Double Disc Opener (2017+)</p>	<p><b>DDO-EYEBOLTBUSH</b> CATCODE: PSP117</p>  <p>Eye Bolt Bush Suits Double Disc Opener (2017+)</p>
<p><b>DDO-SCDISC-6</b> CATCODE: PSP110</p>  <p>Scalloped Seeding Disc (6mm) Suits D.D.O</p>	<p><b>DDO-ADJHOUSING</b> CATCODE: PSP124</p>  <p>Adjustable Screw Housing (New Model)</p>	<p><b>DDO-ADJHOUSING (OLD)</b> CATCODE: PSP125</p>  <p>Adjustable Screw Housing (New Model)</p>	<p><b>DDO-PLDISC-6</b> CATCODE: PSP120</p>  <p>Plain Seeding Disc (6mm) Suits D.D.O</p>
<p>See Sections 4 and 6 for Wheel Spares</p>	<p><b>DDO-SDIST</b> CATCODE: PSP124</p>  <p>Cast Aluminium Seed Distributor (NEW IN 2019)</p>		

## OEM Double Disc Opener Spares

### SOW EZY

<p><b>DDO-SCEZY</b> CATCODE: PCD325</p> 	<p><b>DDO-PLEZY</b> CATCODE: PCO324</p> 	<p><b>DDO-EZYHUB</b> CATCODE: PSP118</p>  <p>Bar Hub to suit Sow-Ezy planters</p>	<p><b>15PWALIHCENTRE</b> CATCODE: PWC010</p> 
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### SHEARER

<p><b>DDO-PLDISC</b> CATCODE: PSP027</p>  <p>Pre 2018 model</p>	<p><b>DDO-SCDISC</b> CATCODE: PSP036</p>  <p>Pre 2018 model</p>	<p><b>15PW80WGSS</b> CATCODE: PWT031</p> 	<p><b>15PW80WGSS/AIRD</b> CATCODE: PWO048</p> 
<p><b>15PWALIHCENTRE</b> CATCODE: PWC010</p> 	<p><b>PWIHBNGSEALSET</b> CATCODE: PBS039</p> 	<p><b>MSAHD</b> CATCODE: PBS055</p> 	

See section 5 for a full range of OEM spares to suit the following Disc Machines

- Stubble King
- Sow-Ezy
- Shearer
- Homan
- John Deere
- Austil
- Daybreak



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## Section 4 Press Wheels



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## 15" Integral Press Wheels

Master Guide: All Wheels come standard with the following:






- 15" Alloy two piece split rim (actual rim diameter = 290mm)
  - 15" Tyre fitted (varies with code)
  - 9" Integral, 40mm Round Axle and Nut Pin Washer
  - Type A LM Bearing Set, Heavy Duty Seal, Dust Cap and Clips
  - SD = Solid, SP = Semi-Pneumatic, SS = Semi-Solid, SF = Hi-Flex
- OPTIONS: Options available, 6", 7", 8", 10", rounded axles, 9" square axles and double ended axles

Diameter is overall diameter with tyre fitted



<b>15PW100FLSD/AIRD</b> CATCODE: PWO002  TYPE: SD WIDTH: 100mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 10.44kg CATCODE: PWO001 15PW100FLSD/AI Rim & Tyre only (No Axle/Bearings)	<b>15PW100FLSP/AIRD</b> CATCODE: PWO005  TYPE: SP WIDTH: 100mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 9.40kg CATCODE: PWO004 15PW100FLSP/AI Rim & Tyre only (No Axle/Bearings)	<b>15PW110WGSD/AIRD</b> CATCODE: PWO008  TYPE: SD WIDTH: 110mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 10.90kg CATCODE: PWO007 15PW110WGSD/AI Rim & Tyre only (No Axle/Bearings)	<b>15PW110WGSP/AIRD</b> CATCODE: PWO011  TYPE: SP WIDTH: 110mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 9.78kg CATCODE: PWO010 15PW110WGSP/AI Rim & Tyre only (No Axle/Bearings)
<b>15PW55DOSP/AIRD</b> CATCODE: PWO014  TYPE: SP WIDTH: 55mm SHAPE: Dome DIAMETER: 380mm WEIGHT: 8.34kg CATCODE: PWO013 15PW55DOSP/AI Rim & Tyre only (No Axle/Bearings)	<b>15PW55FLSD/AIRD</b> CATCODE: PWO017  TYPE: SD WIDTH: 55mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 9.55kg CATCODE: PWO016 15PW55FLSD/AI Rim & Tyre only (No Axle/Bearings)	<b>15PW55FLSP/AIRD</b> CATCODE: PWO020  TYPE: SP WIDTH: 55mm SHAPE: Flat DIAMETER: 340mm WEIGHT: 7.45kg CATCODE: PWO019 15PW55FLSP/AI Rim & Tyre only (No Axle/Bearings)	<b>15PW55WGSD/AIRD</b> CATCODE: PWO023  TYPE: SD WIDTH: 55mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 8.85kg CATCODE: PWO022 15PW55WGSD/AI Rim & Tyre only (No Axle/Bearings)
<b>15PW55WGSP/AIRD</b> CATCODE: PWO026  TYPE: SP WIDTH: 55mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 7.84kg CATCODE: PWO025 15PW55WGSP/AI Rim & Tyre only (No Axle/Bearings)	<b>15PW70VESD/AIRD</b> CATCODE: PWO029  TYPE: SD WIDTH: 70mm SHAPE: Vee DIAMETER: 380mm WEIGHT: 10.1kg CATCODE: PWO028 15PW70VESD/AI Rim & Tyre only (No Axle/Bearings)	<b>15PW75RDSP/AIRD</b> CATCODE: PWO032  TYPE: SP WIDTH: 75mm SHAPE: Round DIAMETER: 355mm WEIGHT: 8.72kg CATCODE: PWO031 15PW75RDSP/AI Rim & Tyre only (No Axle/Bearings)	<b>15PW80FLSP/AIRD</b> CATCODE: PWO034  TYPE: SP WIDTH: 80mm SHAPE: Flat DIAMETER: 340mm WEIGHT: 8.45kg CATCODE: PWO033 15PW80FLSP/AI Rim & Tyre only (No Axle/Bearings)
<b>15PW80RISP/AIRD</b> CATCODE: PWO059  TYPE: SP WIDTH: 80mm SHAPE: Ribbed DIAMETER: 380mm WEIGHT: 7.76kg CATCODE: PWO035 15PW80RISP/AI Rim & Tyre only (No Axle/Bearings)	<b>15PW80WGSD/AIRD</b> CATCODE: PWO038  TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 9.65kg CATCODE: PWO037 15PW80WGSD/AI Rim & Tyre only (No Axle/Bearings)	<b>15PW80WGSF/AIRD</b> CATCODE: PWO041  TYPE: SF WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 7.40kg CATCODE: PWO040 15PW80WGSF/AI Rim & Tyre only (No Axle/Bearings)	<b>15PW80WGSP/AIRD</b> CATCODE: PWO043  TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 8.70kg CATCODE: PWO042 15PW80WGSP/AI Rim & Tyre only (No Axle/Bearings)

## 15" Integral Press Wheels

<b>15PW80WGSS/AIRD</b> CATCODE: PWO048 TYPE: SS WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 9.60kg 	<b>15PW90RDSD/AIRD</b> CATCODE: PWO051 TYPE: SD WIDTH: 90mm SHAPE: Round DIAMETER: 380mm WEIGHT: 10.80kg 	<b>15PW100FLSF/AIRD</b> CATCODE: PWO063 TYPE: SF WIDTH: 100mm SHAPE: FLAT DIAMETER: 350mm WEIGHT: 9.40kg 	<b>16PW70VCSP/AIRD</b> CATCODE: PWO054 TYPE: SP WIDTH: 70mm SHAPE: Vee/Dome DIAMETER: 410mm WEIGHT: 9kg 
CATCODE: PWO047 15PW80WGSS/AI Rim & Tyre only (No Axle/Bearings)	CATCODE: PWO050 15PW90RDSD/AI Rim & Tyre only (No Axle/Bearings)	CATCODE: PWO064 15PW100FLSF/AI Rim & Tyre only (No Axle/Bearings)	CATCODE: PWO053 15PW70VCSP/AI Rim & Tyre only (No Axle/Bearings)
<b>16PW70VCSD/AIRD</b> CATCODE: PWO067 TYPE: SD WIDTH: 70mm SHAPE: Dome DIAMETER: 410mm WEIGHT: 9.60kg 	<b>16PW80WCSP/AIRD</b> CATCODE: PWO060 TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 410mm WEIGHT: 9.60kg 	<b>16PW80WCSD/AIRD</b> CATCODE: PWO057 TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 410mm WEIGHT: 10.26kg 	<b>16PW100RCSP/AIRD</b> CATCODE: PWO065 TYPE: SP WIDTH: 100mm SHAPE: ROUND DIAMETER: 410mm WEIGHT: 10.20kg 
CATCODE: PWO068 16PW70VCSD/AI Rim & Tyre only (No Axle/Bearings)	CATCODE: PWO059 16PW80WCSP/AI Rim & Tyre only (No Axle/Bearings)	CATCODE: PWO056 15PW80WCSD/AI Rim & Tyre only (No Axle/Bearings)	CATCODE: PWO066 16PW100RCSP/AI Rim & Tyre only (No Axle/Bearings)
<b>16PW100RCSF/AIRD</b> CATCODE: PWO069 TYPE: SF WIDTH: 100mm SHAPE: ROUND DIAMETER: 410mm WEIGHT: 6.60kg 	<b>16PW100RCSS/AIRD</b> CATCODE: PWO071 TYPE: SS WIDTH: 100mm SHAPE: ROUND DIAMETER: 410mm WEIGHT: 12.30kg 	SD = SOLID SP = SEMI PNEUMATIC SS = SEMI - SOLID SF = HI - FLEX  <b>NOTE: 16" Tyres also fit on 15" rims (actual rim diameter = 290mm)</b>	
CATCODE: PWO070 16PW100RCSF/AI Rim & Tyre only (No Axle/Bearings)	CATCODE: PWO072 16PW100RCSS/AI Rim & Tyre only (No Axle/Bearings)		





## 18" Integral Press Wheels

<b>18PW100FLSD/AIRD</b> CATCODE: PW002 TYPE: SD WIDTH: 100mm SHAPE: Flat DIAMETER: 450mm WEIGHT: 14.7kg 	<b>18PW100FLSP/AIRD</b> CATCODE: PW005 TYPE: SP WIDTH: 100mm SHAPE: Flat DIAMETER: 450mm WEIGHT: 13.10kg 	<b>18PW100FRSD/AIRD</b> CATCODE: PW008 TYPE: SD WIDTH: 100mm SHAPE: Flat Ribbed DIAMETER: 480mm WEIGHT: 14.96kg 	<b>18PW100GASD/AIRD</b> CATCODE: PW011 TYPE: SD WIDTH: 100mm SHAPE: Gauge DIAMETER: 450mm WEIGHT: 15.30kg 
CATCODE: PW001 18PW100FLSD/AI Rim & Tyre only (No Axle/Bearings)	CATCODE: PW004 18PW100FLSP/AI Rim & Tyre only (No Axle/Bearings)	CATCODE: PW007 18PW100FRSD/AI Rim & Tyre only (No Axle/Bearings)	CATCODE: PW010 18PW100GASD/AI Rim & Tyre only (No Axle/Bearings)
<b>18PW120FLSP/AIRD</b> CATCODE: PW015 TYPE: SP WIDTH: 120mm SHAPE: Flat DIAMETER: 450mm WEIGHT: 15.10kg 	<b>18PW55FLSP/AIRD</b> CATCODE: PW018 TYPE: SP WIDTH: 55mm SHAPE: Flat DIAMETER: 440mm WEIGHT: 10.60kg 	<b>18PW55FLSS/AIRD</b> CATCODE: PW021 TYPE: SS WIDTH: 55mm SHAPE: Flat DIAMETER: 440mm WEIGHT: 10.90kg 	<b>18PW55WGSP/AIRD</b> CATCODE: PW023 TYPE: SP WIDTH: 55mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 11.18kg 
CATCODE: PW014 18PW120FLSP/AI Rim & Tyre only (No Axle/Bearings)	CATCODE: PW017 18PW55FLSP/AI Rim & Tyre only (No Axle/Bearings)	CATCODE: PW020 18PW55FLSS/AI Rim & Tyre only (No Axle/Bearings)	CATCODE: PW022 18PW55WGSP/AI Rim & Tyre only (No Axle/Bearings)
<b>18PW55WGSS/AIRD</b> CATCODE: PW027 TYPE: SS WIDTH: 55mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 12kg 	<b>18PW80WGSD/AIRD</b> CATCODE: PW029 TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 13.70kg 	<b>18PW80WGSP/AIRD</b> CATCODE: PW043 TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 11.74kg 	<b>18PW80WGSS/AIRD</b> CATCODE: PW035 TYPE: SS WIDTH: 80mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 13kg 
CATCODE: PW026 18PW55WGSS/AI Rim & Tyre only (No Axle/Bearings)	CATCODE: PW028 18PW80WGSD/AI Rim & Tyre only (No Axle/Bearings)	CATCODE: PW031 18PW80WGSP/AI Rim & Tyre only (No Axle/Bearings)	CATCODE: PW034 18PW80WGSS/AI Rim & Tyre only (No Axle/Bearings)



### Master Guide:

All /AIRD Wheels come standard with the following:

- 18" Alloy two piece split rim (actual rim diameter = 390mm)
  - 18" Tyre fitted (varies with code - 18" is nominal diameter, actual diameter varies with profile)
  - 9" Integral, 40mm Round Axle and Nut Pin Washer
  - Type A LM Bearing Set, Heavy Duty Seal, Dust Cap and Clips
- SD = Solid, SP = Semi-Pneumatic, SS = Semi-Solid, SF = Hi-Flex  
 OPTIONS: Options available, 6", 7", 8", 10", rounded axles, 9" square axles, Double Ended Axles

Diameter is overall diameter with tyre fitted.

## 18" Integral Press Wheels

<b>18PW55WGSD/AIRD</b> CATCODE: PW037  TYPE: SD WIDTH: 55mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 12.30kg 	<b>18PW55FLSD/AIRD</b> CATCODE: PW038  TYPE: SD WIDTH: 55mm SHAPE: Flat DIAMETER: 440mm WEIGHT: 11.40kg 	<b>18PW100FLSF/AIRD</b> CATCODE: PW040  TYPE: SF WIDTH: 100mm SHAPE: Flat DIAMETER: 450mm WEIGHT: 13kg 	<b>18PW120FLSD/AIRD</b> CATCODE: PW044  TYPE: SD WIDTH: 120mm SHAPE: Flat DIAMETER: 450mm WEIGHT: 15.80kg 
CATCODE: PW038 18PW55WGSD/AI Rim & Tyre only (No Axle/Bearings)	CATCODE: PW039 18PW55FLSD/AI Rim & Tyre only (No Axle/Bearings)	CATCODE: PW041 18PW100FLSF/AI Rim & Tyre only (No Axle/Bearings)	CATCODE: PW045 18PW120FLSD/AI Rim & Tyre only (No Axle/Bearings)
<b>18PW110WGSD/AIRD</b> CATCODE: PW046  TYPE: SD WIDTH: 110mm SHAPE: Wedge DIAMETER: 500mm WEIGHT: 15kg 	<b>18PW110WGSS/AIRD</b> CATCODE: PW048  TYPE: SS WIDTH: 110mm SHAPE: Wedge DIAMETER: 500mm WEIGHT: 15kg 	<b>18PW80WGSF/AIRD</b> CATCODE: PW050  TYPE: SF WIDTH: 80mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 11.60kg 	<b>18PW110WGSP/AIRD</b> CATCODE: PW052  TYPE: SP WIDTH: 110mm SHAPE: Wedge DIAMETER: 500mm WEIGHT: 13.20kg 
CATCODE: PW047 18PW110WGSD/AI Rim & Tyre only (No Axle/Bearings)	CATCODE: PW049 18PW110WGSS/AI Rim & Tyre only (No Axle/Bearings)	CATCODE: PW051 18PW80WGSF/AI Rim & Tyre only (No Axle/Bearings)	CATCODE: PW053 18PW110WGSP/AI Rim & Tyre only (No Axle/Bearings)

**Master Guide:** All /AIRD Wheels come standard with the following:

- 18" Alloy two piece split rim (actual rim diameter = 390mm)
  - 18" Tyre fitted (varies with code - 18" is nominal diameter, actual diameter varies with profile)
  - 9" Integral, 40mm Round Axle and Nut Pin Washer
  - Type A LM Bearing Set, Heavy Duty Seal, Dust Cap and Clips
- SD = Solid, SP = Semi-Pneumatic, SS = Semi-Solid, SF = Hi-Flex  
 OPTIONS: Options available, 6", 7", 8", 10", rounded axles, 9" square axles, Double Ended Axles



Diameter is overall diameter with tyre fitted.

## INTRODUCING ZERO MAINTENANCE

On pages 5-24 of this section we now have a range of Zero Maintenance wheels. The Zero Maintenance concept is based on no grease, no adjustment and minimal assembly. The only maintenance requirement is to check that all nuts and bolts are tight. Look for the Zero Maintenance flag on each page.



**ZERO MAINTENANCE**








# 15" Slimline AgriHub Press Wheels

**ZERO MAINTENANCE**

Master Guide: All Wheels come standard with the following:

- 15" Alloy two piece split rim (actual rim diameter = 290mm)
- 15" Tyre fitted (varies with code)
- Slimline Agri Hub
- Grease cap cover and bolts
- Please order axle length required separately as axle is not included



<b>15PW100FLSD/SAH</b> CATCODE: PWK114  TYPE: SD WIDTH: 100mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 9.70kg	<b>15PW100FLSP/SAH</b> CATCODE: PWK115  TYPE: SP WIDTH: 100mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 8.70kg	<b>15PW110WGSD/SAH</b> CATCODE: PWK116  TYPE: SD WIDTH: 110mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 10.20kg	<b>15PW110WGSP/SAH</b> CATCODE: PWK117  TYPE: SP WIDTH: 110mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 9kg
<b>15PW55DOSP/SAH</b> CATCODE: PWK118  TYPE: SP WIDTH: 55mm SHAPE: Dome DIAMETER: 380mm WEIGHT: 7.70kg	<b>15PW55FLSD/SAH</b> CATCODE: PWK119  TYPE: SD WIDTH: 55mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 8.90kg	<b>15PW55FLSP/SAH</b> CATCODE: PWK120  TYPE: SP WIDTH: 55mm SHAPE: Flat DIAMETER: 340mm WEIGHT: 6.80kg	<b>15PW55WGSD/SAH</b> CATCODE: PWK121  TYPE: SD WIDTH: 55mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 8.20kg
<b>15PW55WGSP/SAH</b> CATCODE: PWK122  TYPE: SP WIDTH: 55mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 7.20kg	<b>15PW70VESD/SAH</b> CATCODE: PWK123  TYPE: SD WIDTH: 70mm SHAPE: Vee DIAMETER: 380mm WEIGHT: 9.40kg	<b>15PW75RDSP/SAH</b> CATCODE: PWK124  TYPE: SP WIDTH: 75mm SHAPE: Round DIAMETER: 355mm WEIGHT: 8kg	<b>15PW80FLSP/SAH</b> CATCODE: PWK125  TYPE: SP WIDTH: 80mm SHAPE: Flat DIAMETER: 340mm WEIGHT: 7.80kg
<b>15PW80RISP/SAH</b> CATCODE: PWK126  TYPE: SP WIDTH: 80mm SHAPE: Ribbed DIAMETER: 380mm WEIGHT: 7.60kg	<b>15PW80WGSD/SAH</b> CATCODE: PWK127  TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 9kg	<b>15PW80WGSF/SAH</b> CATCODE: PWK128  TYPE: SF WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 7.50kg	<b>15PW80WGSP/SAH</b> CATCODE: PWK129  TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 8.10kg

**NOW AVAILABLE IN HIGH SIDE WALL OPTION (SEE PAGE 20)**

# 15" Slimline AgriHub Press Wheels

**ZERO MAINTENANCE**

<b>15PW80WGSS/SAH</b> CATCODE: PWK130  TYPE: SS WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 8.90kg 	<b>15PW90RDS/SAH</b> CATCODE: PWK131  TYPE: SD WIDTH: 90mm SHAPE: Round DIAMETER: 380mm WEIGHT: 10.10kg 	<b>16PW70VCSP/SAH</b> CATCODE: PWK132  TYPE: SP WIDTH: 70mm SHAPE: Vee/Dome DIAMETER: 410mm WEIGHT: 8.30kg 	<b>16PW80WCSD/SAH</b> CATCODE: PWK133  TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 410mm WEIGHT: 9.60kg 
<b>16PW80WCSP/SAH</b> CATCODE: PWK134  TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 410mm WEIGHT: 8.90kg 	<b>16PW70VCSD/SAH</b> CATCODE: PWK135  TYPE: SD WIDTH: 70mm SHAPE: Dome DIAMETER: 410mm WEIGHT: 8.90kg 	<b>16PW100RCSP/SAH</b> CATCODE: PWK136  TYPE: SP WIDTH: 100mm SHAPE: ROUND DIAMETER: 410mm WEIGHT: 9.50kg 	<b>15PW100FLSF/SAH</b> CATCODE: PWK137  TYPE: SF WIDTH: 100mm SHAPE: FLAT DIAMETER: 350mm WEIGHT: 8.70kg 
<b>16PW100RCSS/SAH</b> CATCODE: PWK138  TYPE: SS WIDTH: 100mm SHAPE: Round DIAMETER: 410mm WEIGHT: 11.60kg 	<b>16PW100RCSF/SAH</b> CATCODE: PWK139  TYPE: SF WIDTH: 100mm SHAPE: Round DIAMETER: 410mm WEIGHT: 8.90kg 		

NOW AVAILABLE IN HIGH SIDE WALL TYRE OPTION (SEE PAGE 20)

## INTRODUCING ZERO MAINTENANCE




















On pages 5-24 of this section we now have a range of Zero Maintenance wheels. The Zero Maintenance concept is based on no grease, no adjustment and minimal assembly. The only maintenance requirement is to check that all nuts and bolts are tight. Look for the Zero Maintenance flag on each page.


**ZERO MAINTENANCE**




# 18" Slimline AgriHub Press Wheels

**ZERO MAINTENANCE**

<b>18PW55WGSS/SAH</b> CATCODE: PWK140 TYPE: SS WIDTH: 55mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 11.30kg 	<b>18PW80WGSD/SAH</b> CATCODE: PWK141 TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 13kg 	<b>18PW80WGSP/SAH</b> CATCODE: PWK142 TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 11.60kg 	<b>18PW80WGSS/SAH</b> CATCODE: PWK143 TYPE: SS WIDTH: 80mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 12.30kg 
<b>18PW55WGSD/SAH</b> CATCODE: PWK144 TYPE: SD WIDTH: 55mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 11.50kg 	<b>18PW100FLSD/SAH</b> CATCODE: PWK145 TYPE: SD WIDTH: 100mm SHAPE: Flat DIAMETER: 450mm WEIGHT: 14.40kg 	<b>18PW100FLSP/SAH</b> CATCODE: PWK146 TYPE: SP WIDTH: 100mm SHAPE: Flat DIAMETER: 450mm WEIGHT: 12.30kg 	<b>18PW100FRSD/SAH</b> CATCODE: PWK147 TYPE: SD WIDTH: 100mm SHAPE: Flat Ribbed DIAMETER: 480mm WEIGHT: 14.80kg 
<b>18PW100GASD/SAH</b> CATCODE: PWK148 TYPE: SD WIDTH: 100mm SHAPE: Gauge DIAMETER: 450mm WEIGHT: 14.50kg 	<b>18PW120FLSP/SAH</b> CATCODE: PWK149 TYPE: SP WIDTH: 120mm SHAPE: Flat DIAMETER: 450mm WEIGHT: 14.30kg 	<b>18PW55FLSP/SAH</b> CATCODE: PWK150 TYPE: SP WIDTH: 55mm SHAPE: Flat DIAMETER: 440mm WEIGHT: 9.90kg 	<b>18PW55FLSS/SAH</b> CATCODE: PWK151 TYPE: SS WIDTH: 55mm SHAPE: Flat DIAMETER: 440mm WEIGHT: 10.10kg 
<b>18PW55WGSP/SAH</b> CATCODE: PWK152 TYPE: SP WIDTH: 55mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 10.50kg 	<b>18PW55FLSD/SAH</b> CATCODE: PWK153 TYPE: SD WIDTH: 55mm SHAPE: FLAT DIAMETER: 440mm WEIGHT: 10.70kg 	<b>18PW100FLSF/SAH</b> CATCODE: PWK154 TYPE: SF WIDTH: 100mm SHAPE: FLAT DIAMETER: 450mm WEIGHT: 12.30kg 	<b>18PW110WGSS/SAH</b> CATCODE: PWK155 TYPE: SS WIDTH: 110mm SHAPE: WEDGE DIAMETER: 500mm WEIGHT: 14.30kg 
<b>18PW110WGSP/SAH</b> CATCODE: PWK156 TYPE: SP WIDTH: 110mm SHAPE: Wedge DIAMETER: 500mm WEIGHT: 12.40kg 	<b>18PW80WGSF/SAH</b> CATCODE: PWK157 TYPE: SF WIDTH: 80mm SHAPE: WEDGE DIAMETER: 480mm WEIGHT: 10.80kg 	<b>18PW120FLSD/SAH</b> CATCODE: PWK158 TYPE: SD WIDTH: 120mm SHAPE: FLAT DIAMETER: 450mm WEIGHT: 15kg 	All 18" whels include • 18" Alloy 2 piece split rim • 18" Tyre fitted • Slimline • Axle not supplied AgriHub, grease cap cover and bolts

Master Guide: All Wheels come standard with the following:

- 18" Alloy two piece split rim (actual rim diameter = 290mm)
- 18" Tyre fitted (varies with code)
- Slimline Agri Hub
- Grease cap cover and bolts
- Please order axle length required separately as axle is not included

















# 15" Agrihub Wheels (Standard Version)

**ZERO MAINTENANCE**


Master Guide: All wheels come standard with the following:

- 15" Alloy two piece split rim (actual rim diameter = 290mm)
- 15" Tyre fitted
- 5 Hole Agri Hub
- 5 Hole Steel Plate
- 5 Bolts/Spring Washers
- Nut/Spring Washer



<b>15PW100FLSD/AH5</b> CATCODE: PWK029  TYPE: SD WIDTH: 100mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 9.80kg  	<b>15PW100FLSP/AH5</b> CATCODE: PWK031  TYPE: SP WIDTH: 100mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 8.90kg  	<b>15PW110WGSD/AH5</b> CATCODE: PWK033  TYPE: SD WIDTH: 110mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 10.30kg  	<b>15PW110WGSP/AH5</b> CATCODE: PWK035  TYPE: SP WIDTH: 110mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 9.10kg  
CATCODE: PWK030  15PW100FLSD/ASH Rim & Tyre only	CATCODE: PWK032  15PW100FLSP/ASH Rim & Tyre only	CATCODE: PWK034  15PW110WGSD/ASH Rim & Tyre only	CATCODE: PWK036  15PW110WGSP/ASH Rim & Tyre only
<b>15PW55DOSP/AH5</b> CATCODE: PWK037  TYPE: SP WIDTH: 55mm SHAPE: Dome DIAMETER: 380mm WEIGHT: 7.80kg  	<b>15PW55FLSD/AH5</b> CATCODE: PWK039  TYPE: SD WIDTH: 55mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 9kg  	<b>15PW55FLSP/AH5</b> CATCODE: PWK041  TYPE: SP WIDTH: 55mm SHAPE: Flat DIAMETER: 340mm WEIGHT: 6.90kg  	<b>15PW55WGSD/AH5</b> CATCODE: PWK043  TYPE: SD WIDTH: 55mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 8.3kg  
CATCODE: PWK038  15PW55DOSP/ASH Rim & Tyre only	CATCODE: PWK040  15PW55FLSD/ASH Rim & Tyre only	CATCODE: PWK042  15PW55FLSP/ASH Rim & Tyre only	CATCODE: PWK044  15PW55WGSD/ASH Rim & Tyre only
<b>15PW55WGSP/AH5</b> CATCODE: PWK045  TYPE: SP WIDTH: 55mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 7.30kg  	<b>15PW70VESD/AH5</b> CATCODE: PWK047  TYPE: SD WIDTH: 70mm SHAPE: Vee DIAMETER: 380mm WEIGHT: 9.60kg  	<b>15PW75RDSP/AH5</b> CATCODE: PWK049  TYPE: SP WIDTH: 75mm SHAPE: Round DIAMETER: 355mm WEIGHT: 8.10kg  	<b>15PW80FLSP/AH5</b> CATCODE: PWK051  TYPE: SP WIDTH: 80mm SHAPE: Flat DIAMETER: 340mm WEIGHT: 7.90kg  
CATCODE: PWK046  15PW55WGSP/ASH Rim & Tyre only (No Axle/Bearings)	CATCODE: PWK048  15PW70VESD/ASH Rim & Tyre only (No Axle/Bearings)	CATCODE: PWK050  15PW75RDSP/ASH Rim & Tyre only (No Axle/Bearings)	CATCODE: PWK052  15PW80FLSP/ASH Rim & Tyre only (No Axle/Bearings)
<b>15PW80RISP/AH5</b> CATCODE: PWK053  TYPE: SP WIDTH: 80mm SHAPE: Ribbed DIAMETER: 380mm WEIGHT: 7.80kg  	<b>15PW80WGSD/AH5</b> CATCODE: PWK055  TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 9.10kg  	<b>15PW80WGSF/AH5</b> CATCODE: PWK057  TYPE: SF WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 7.70kg  	<b>15PW80WGSP/AH5</b> CATCODE: PWK059  TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 8.20kg  
CATCODE: PWK054  15PW80RISP/ASH Rim & Tyre only	CATCODE: PWK056  15PW80WGSD/ASH Rim & Tyre only	CATCODE: PWK058  15PW80WGSF/ASH Rim & Tyre only	CATCODE: PWK060  15PW80WGSP/ASH Rim & Tyre only



## 15" Agrihub Wheels (Standard Version)

ZERO MAINTENANCE

<b>15PW80WGSS/AH5</b> CATCODE: PWK061 TYPE: SS WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 9.10kg 	<b>15PW90RDSD/AH5</b> CATCODE: PWK063 TYPE: SD WIDTH: 90mm SHAPE: Round DIAMETER: 380mm WEIGHT: 10.30kg 	<b>15PW100FLSF/AH5</b> CATCODE: PWK065 TYPE: SF WIDTH: 100mm SHAPE: FLAT DIAMETER: 350mm WEIGHT: 8.90kg 	<b>16PW70VCSP/AH5</b> CATCODE: PWK067 TYPE: SP WIDTH: 70mm SHAPE: Vee/Dome DIAMETER: 410mm WEIGHT: 8.50kg 
CATCODE: PWK062 15PW80WGSS/ASH Rim & Tyre only	CATCODE: PWK064 15PW90RDSD/ASH Rim & Tyre only	CATCODE: PWK066 15PW100FLSF/ASH Rim & Tyre only	CATCODE: PWK068 16PW70VCSP/ASH Rim & Tyre only
<b>16PW70VCSD/AH5</b> CATCODE: PWK069 TYPE: SD WIDTH: 70mm SHAPE: Dome DIAMETER: 410mm WEIGHT: 9.10kg 	<b>16PW80WCSP/AH5</b> CATCODE: PWK071 TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 410mm WEIGHT: 9.10kg 	<b>16PW80WCSD/AH5</b> CATCODE: PWK073 TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 410mm WEIGHT: 9.70kg 	<b>16PW100RCSP/AH5</b> CATCODE: PWK075 TYPE: SP WIDTH: 100mm SHAPE: ROUND DIAMETER: 410mm WEIGHT: 9.70kg 
CATCODE: PWK070 16PW70VCSD/ASH Rim & Tyre only	CATCODE: PWK072 16PW80WCSP/ASH Rim & Tyre only	CATCODE: PWK074 16PW80WCSD/ASH Rim & Tyre only	CATCODE: PWK076 16PW100RCSP/ASH Rim & Tyre only
<b>16PW100RCSF/AH5</b> CATCODE: PWK015 TYPE: SF WIDTH: 100mm SHAPE: ROUND DIAMETER: 410mm WEIGHT: 9.10kg 	<b>16PW100RCSS/AH5</b> CATCODE: PWK017 TYPE: SS WIDTH: 100mm SHAPE: ROUND DIAMETER: 410mm WEIGHT: 11.80kg 	 <p>SD = SOLID            SP = SEMI PNEUMATIC            SS = SEMI - SOLID            SF = HI - FLEX</p>	
CATCODE: PWK016 16PW100RCSF/ASH Rim & Tyre only	CATCODE: PWK018 16PW100RCSS/ASH Rim & Tyre only	<p><b>NOTE: 16" Tyres also fit on 15" rims            (actual rim diameter = 290mm)</b></p>	

Note: To include "cam" style 40mm bolt on stub axle, replace /ASHC with /ASHRD as per below:















Also available in 'HT' option

# 18" Agrihub Wheels (Standard Version)

**ZERO MAINTENANCE**

- Master Guide: All wheels come standard with the following:
- 18" Alloy two piece split rim (actual rim diameter = 390mm)
  - 18" Tyre fitted
  - 5 Hole Agri Hub
  - 5 Hole Steel Plate
  - 5 Bolts/Spring Washers
  - Nut/Spring Washer



<b>18PW100FLSD/AH5</b> CATCODE: PWK077 TYPE: SD WIDTH: 100mm SHAPE: Flat DIAMETER: 450mm WEIGHT: 14.60kg 	<b>18PW100FLSP/AH5</b> CATCODE: PWK079 TYPE: SP WIDTH: 100mm SHAPE: Flat DIAMETER: 450mm WEIGHT: 12.50kg 	<b>18PW100FRSD/AH5</b> CATCODE: PWK081 TYPE: SD WIDTH: 100mm SHAPE: Flat Ribbed DIAMETER: 480mm WEIGHT: 15kg 	<b>18PW100GASD/AH5</b> CATCODE: PWK083 TYPE: SD WIDTH: 100mm SHAPE: Gauge DIAMETER: 450mm WEIGHT: 14.70kg 
CATCODE: PWK078 18PW100FLSD/ASH Rim & Tyre only	CATCODE: PWK080 18PW100FLSP/ASH Rim & Tyre only	CATCODE: PWK082 18PW100FRSD/ASH Rim & Tyre only	CATCODE: PWK084 18PW100GASD/ASH Rim & Tyre only
<b>18PW120FLSP/AH5</b> CATCODE: PWK085 TYPE: SP WIDTH: 120mm SHAPE: Flat DIAMETER: 450mm WEIGHT: 14.50kg 	<b>18PW55FLSP/AH5</b> CATCODE: PWK087 TYPE: SP WIDTH: 55mm SHAPE: Flat DIAMETER: 440mm WEIGHT: 10.10kg 	<b>18PW55FLSS/AH5</b> CATCODE: PWK089 TYPE: SS WIDTH: 55mm SHAPE: Flat DIAMETER: 440mm WEIGHT: 10.30kg 	<b>18PW55WGSP/AH5</b> CATCODE: PWK091 TYPE: SP WIDTH: 55mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 10.60kg 
CATCODE: PWK086 18PW120FLSP/ASH Rim & Tyre only	CATCODE: PWK088 18PW55FLSP/ASH Rim & Tyre only	CATCODE: PWK090 18PW55FLSS/ASH Rim & Tyre only	CATCODE: PWK092 18PW55WGSP/ASH Rim & Tyre only
<b>18PW55WGSS/AH5</b> CATCODE: PWK093 TYPE: SS WIDTH: 55mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 10.40kg 	<b>18PW80WGSD/AH5</b> CATCODE: PWK095 TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 440mm WEIGHT: 13.10kg 	<b>18PW80WGSP/AH5</b> CATCODE: PWK097 TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 11.80kg 	<b>18PW80WGSS/AH5</b> CATCODE: PWK099 TYPE: SS WIDTH: 80mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 12.40kg 
CATCODE: PWK094 18PW55WGSS/ASH Rim & Tyre only	CATCODE: PWK096 18PW80WGSD/ASH Rim & Tyre only	CATCODE: PWK098 18PW80WGSP/ASH Rim & Tyre only	CATCODE: PWK100 18PW80WGSS/ASH Rim & Tyre only



# 18" Agrihub Wheels (Standard Version)

**ZERO MAINTENANCE**

<b>18PW110WGSS/AH5</b> CATCODE: PWK109  TYPE: SS WIDTH: 110mm SHAPE: WEDGE DIAMETER: 500mm WEIGHT: 14.50kg 	<b>18PW120FLSD/AH5</b> CATCODE: PWK111  TYPE: SD WIDTH: 120mm SHAPE: FLAT DIAMETER: 490mm WEIGHT: 15.20kg 	<b>18PW80WGSF/AH5</b> CATCODE: PWK113  TYPE: SF WIDTH: 80mm SHAPE: WEDGE DIAMETER: 480mm WEIGHT: 11kg 	SD = SOLID SP = SEMI PNEUMATIC SS = SEMI - SOLID SF = HI - FLEX
CATCODE: PWK110 18PW110WGSS/ASH Rim & Tyre only	CATCODE: PWK112 18PW120FLSD/ASH Rim & Tyre only	CATCODE: PWK114 18PW80WGSF/ASH Rim & Tyre only	
<b>18PW55WGSD/AH5</b> CATCODE: PWK101  TYPE: SD WIDTH: 55mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 11.70kg 	<b>18PW55FLSD/AH5</b> CATCODE: PWK103  TYPE: SD WIDTH: 55mm SHAPE: Flat DIAMETER: 440mm WEIGHT: 10.80kg 	<b>18PW100FLSF/AH5</b> CATCODE: PWK105  TYPE: SF WIDTH: 100mm SHAPE: Flat DIAMETER: 450mm WEIGHT: 12.50kg 	<b>18PW110WGSP/AH5</b> CATCODE: PWK107  TYPE: SP WIDTH: 110mm SHAPE: Wedge DIAMETER: mm WEIGHT: 12.60kg 
CATCODE: PWK102 18PW55WGSD/ASH Rim & Tyre only	CATCODE: PWK104 18PW55FLSD/ASH Rim & Tyre only	CATCODE: PWK106 18PW100FLSF/ASH Rim & Tyre only	CATCODE: PWK108 18PW110WGSP/ASH Rim & Tyre only

Note: To include "cam" style 40mm bolt on stub axle, replace /ASHC with /ASHRD as per below:



## 15" HT/Ford Multi Stud Pattern Press Wheels

## ZERO MAINTENANCE OPTIONS



















Master Guide: All Wheels come standard with the following:  
(HT refers to standard 5 stud 'HT' pattern and matching hub)  
(Ford refers to stand 5 stud Ford pattern)

- 15" Alloy two piece split rim (actual rim diameter = 290mm)
- 15" Tyre fitted (varies with code)
- 9" HT 40mm Round Axle and Nut Pin Washer
- Greasable HT Hub Type A LM Bearing Set, Heavy Duty Seal, Dust Cap and Clips













HUB OPTIONS: Narrow HT Hub option, Ford Hub option, also now available with Zero Maintenance  
Agri Hub  
AXLE OPTIONS: Options available, 6", 7", 8", 10", rounded axles, 9" square axles, Double Ended Axles

<b>15PW100FLSD/AHTRD</b> CATCODE: PWP003  TYPE: SD WIDTH: 100mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 11.50kg CATCODE: PWP002 15PW100FLSD/AHT Rim & Tyre only (No Hub etc)	<b>15PW100FLSP/AHTRD</b> CATCODE: PWP010  TYPE: SP WIDTH: 100mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 10.45kg CATCODE: PWP009 15PW100FLSP/AHT Rim & Tyre only (No Hub etc)	<b>15PW110WGSD/AHTRD</b> CATCODE: PWP014  TYPE: SD WIDTH: 110mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 12kg CATCODE: PWP013 15PW110WGSD/AHT Rim & Tyre only (No Hub etc)	<b>15PW110WGSP/AHTRD</b> CATCODE: PWP021  TYPE: SP WIDTH: 110mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 10.80kg CATCODE: PWP020 15PW110WGSP/AHT Rim & Tyre only (No Hub etc)
<b>15PW55DOSD/AHTRD</b> CATCODE: PWP031  TYPE: SP WIDTH: 55mm SHAPE: Dome DIAMETER: 380mm WEIGHT: 9.50kg CATCODE: PWP030 15PW55DOSD/AHT Rim & Tyre only (No Hub etc)	<b>15PW55FLSD/AHTRD</b> CATCODE: PWP038  TYPE: SD WIDTH: 55mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 10.70kg CATCODE: PWP037 15PW55FLSD/AHT Rim & Tyre only (No Hub etc)	<b>15PW55FLSP/AHTRD</b> CATCODE: PWP045  TYPE: SP WIDTH: 55mm SHAPE: Flat DIAMETER: 340mm WEIGHT: 8.60kg CATCODE: PWP044 15PW55FLSP/AHT Rim & Tyre only (No Hub etc)	<b>15PW55WGSD/AHTRD</b> CATCODE: PWP052  TYPE: SD WIDTH: 55mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 10kg CATCODE: PWP051 15PW55WGSD/AHT Rim & Tyre only (No Hub etc)
<b>15PW55WGSP/AHTRD</b> CATCODE: PWP058  TYPE: SP WIDTH: 55mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 9kg CATCODE: PWP057 15PW55WGSP/AHT Rim & Tyre only (No Hub etc)	<b>15PW70VESD/AHTRD</b> CATCODE: PWP065  TYPE: SD WIDTH: 70mm SHAPE: Vee DIAMETER: 380mm WEIGHT: 11.16kg CATCODE: PWP064 15PW70VESD/AHT Rim & Tyre only (No Hub etc)	<b>15PW75RDSP/AHTRD</b> CATCODE: PWP131  TYPE: SP WIDTH: 75mm SHAPE: Round DIAMETER: 355mm WEIGHT: 9.80kg CATCODE: PWP132 15PW75RDSP/AHT Rim & Tyre only (No Hub etc)	<b>15PW80FLSP/AHTRD</b> CATCODE: PWP133  TYPE: SP WIDTH: 80mm SHAPE: Flat DIAMETER: 340mm WEIGHT: 9.60kg CATCODE: PWP134 15PW80FLSP/AHT Rim & Tyre only (No Hub etc)
<b>15PW80RISP/AHTRD</b> CATCODE: PWP072  TYPE: SP WIDTH: 80mm SHAPE: Ribbed DIAMETER: 380mm WEIGHT: 9.42kg CATCODE: PWP071 15PW80RISP/AHT Rim & Tyre only (No Hub etc)	<b>15PW80WGSD/AHTRD</b> CATCODE: PWP079  TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 10.80kg CATCODE: PWP078 15PW80WGSD/AHT Rim & Tyre only (No Hub etc)	<b>15PW80WGSF/AHTRD</b> CATCODE: PWP135  TYPE: SF WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 9.3kg CATCODE: PWP136 15PW80WGSF/AHT Rim & Tyre only (No Hub etc)	<b>15PW80WGSP/AHTRD</b> CATCODE: PWP086  TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 9.90kg CATCODE: PWP085 15PW80WGSP/AHT Rim & Tyre only (No Hub etc)



## 15" HT/Ford Multi Stud Pattern Press Wheels

## ZERO MAINTENANCE OPTIONS

<b>15PW80WGSS/AHTRD</b> CATCODE: PWP137  TYPE: SS WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 10.80kg  	<b>15PW90RDSD/AHTRD</b> CATCODE: PWP094  TYPE: SD WIDTH: 90mm SHAPE: Round DIAMETER: 380mm WEIGHT: 12kg  	<b>16PW70VCSP/AHTRD</b> CATCODE: PWP112  TYPE: SP WIDTH: 70mm SHAPE: Vee/Dome DIAMETER: 410mm WEIGHT: 10.20kg  	<b>16PW80WCSD/AHTRD</b> CATCODE: PWP119  TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 410mm WEIGHT: 11.40kg  
CATCODE: PWP138 15PW80WGSS/AHT Rim & Tyre only (No Hub etc)	CATCODE: PWP093 15PW90RDSD/AHT Rim & Tyre only (No Hub etc)	CATCODE: PWP111 16PW70VCSP/AHT Rim & Tyre only (No Hub etc)	CATCODE: PWP118 16PW80WCSD/AHT Rim & Tyre only (No Hub etc)
<b>16PW80WCSP/AHTRD</b> CATCODE: PWP126  TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 410mm WEIGHT: 10.70kg  	<b>16PW70VCSD/AHTRD</b> CATCODE: PWP104  TYPE: SD WIDTH: 70mm SHAPE: Dome DIAMETER: 410mm WEIGHT: 10.70kg  	<b>16PW100RCSP/AHTRD</b> CATCODE: PWP139  TYPE: SP WIDTH: 100mm SHAPE: ROUND DIAMETER: 410mm WEIGHT: 11.40kg  	<b>15PW100FLSF/AHTRD</b> CATCODE: PWP141  TYPE: SF WIDTH: 100mm SHAPE: FLAT DIAMETER: 350mm WEIGHT: 10.60kg  
CATCODE: PWP125 16PW80WCSP/AHT Rim & Tyre only (No Hub etc)	CATCODE: PWP103 16PW70VCSD/AHT Rim & Tyre only (No Hub etc)	CATCODE: PWP140 16PW100RCSP/AHT Rim & Tyre only (No Hub etc)	CATCODE: PWP142 15PW100FLSF/AHT Rim & Tyre only (No Hub etc)
<b>16PW100RCSS/AHTRD</b> CATCODE: PWP132  TYPE: SS WIDTH: 100mm SHAPE: Round DIAMETER: 410mm WEIGHT: 13.50kg  	<b>16PW100RCSF/AHTRD</b> CATCODE: PWP134  TYPE: SF WIDTH: 100mm SHAPE: Round DIAMETER: 410mm WEIGHT: 10.80kg  		
CATCODE: PWP133 16PW100RCSS/AHT Rim & Tyre only (No Hub etc)	CATCODE: PWP135 16PW100RCSF/AHT Rim & Tyre only (No Hub etc)		

Master Guide: All /AHTRD Wheels come standard with the following:

(HT refers to standard 5 stud 'HT' pattern and matching hub)

The rim is a multi stud pattern, allowing HT & Ford hubs

- 15" Alloy two piece split rim (actual rim diameter = 290mm)
- 15" Tyre fitted (varies with code)
- 9" HT 40mm Round Axle and Nut Pin Washer
- Greasable HT Hub Type A LM Bearing Set, Heavy Duty Seal, Dust Cap and Clips

NOTE: 16" tyres fit on 15" rims - Actual rim diameter 290mm

HUB OPTIONS: Narrow HT Hub option, Ford Hub option

AXLE OPTIONS: Options available, 6", 7", 8", 9", 10", rounded axles,




















8", 9", 10", 12" square axles OVERCAP OPTIONS: HT 60mm HT 80mm Ford 70mm

SD = SOLID  
 SP = SEMI PNEUMATIC  
 SS = SEMI - SOLID  
 SF = HI - FLEX

ALSO AVAILABLE WITH HT PATTERN ZERO MAINTENANCE AGRI HUB STANDARD AND SLIMLINE

## 18" HT/Ford Multi Pattern Press Wheels

## ZERO MAINTENANCE OPTIONS

<b>18PW55WGSS/AHTRD</b> CATCODE: PWJ030 TYPE: SS WIDTH: 55mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 13.10kg 	<b>18PW80WGSD/AHTRD</b> CATCODE: PWJ023 TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 14.80kg 	<b>18PW80WGSP/AHTRD</b> CATCODE: PWJ026 TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 13.50kg 	<b>18PW80WGSS/AHTRD</b> CATCODE: PWJ032 TYPE: SS WIDTH: 80mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 14.10kg 
CATCODE: PWJ031 18PW55WGSS/AHT Rim & Tyre only	CATCODE: PWJ022 18PW80WGSD/AHT Rim & Tyre only	CATCODE: PWJ025 18PW80WGSP/AHT Rim & Tyre only	CATCODE: PWJ033 18PW80WGSS/AHT Rim & Tyre only
<b>18PW55WGSD/AHTRD</b> CATCODE: PWJ034 TYPE: SD WIDTH: 55mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 13.40kg 	<b>18PW100FLSD/AHTRD</b> CATCODE: PWJ002 TYPE: SD WIDTH: 100mm SHAPE: Flat DIAMETER: 450mm WEIGHT: 16.30kg 	<b>18PW100FLSP/AHTRD</b> CATCODE: PWJ005 TYPE: SP WIDTH: 100mm SHAPE: Flat DIAMETER: 450mm WEIGHT: 14.20kg 	<b>18PW100FRSD/AHTRD</b> CATCODE: PWJ008 TYPE: SD WIDTH: 100mm SHAPE: Flat Ribbed DIAMETER: 480mm WEIGHT: 16.60kg 
CATCODE: PWJ035 18PW55WGSD/AHT Rim & Tyre only	CATCODE: PWJ001 18PW100FLSD/AHT Rim & Tyre only	CATCODE: PWJ004 18PW100FLSP/AHT Rim & Tyre only	CATCODE: PWJ007 18PW100FRSD/AHT Rim & Tyre only
<b>18PW100GASD/AHTRD</b> CATCODE: PWJ011 TYPE: SD WIDTH: 100mm SHAPE: Gauge DIAMETER: 450mm WEIGHT: 16.32kg 	<b>18PW120FLSP/AHTRD</b> CATCODE: PWJ014 TYPE: SP WIDTH: 120mm SHAPE: Flat DIAMETER: 450mm WEIGHT: 16.20kg 	<b>18PW55FLSP/AHTRD</b> CATCODE: PWJ017 TYPE: SP WIDTH: 55mm SHAPE: Flat DIAMETER: 440mm WEIGHT: 11.76kg 	<b>18PW55FLSS/AHTRD</b> CATCODE: PWJ028 TYPE: SS WIDTH: 55mm SHAPE: Flat DIAMETER: 440mm WEIGHT: 12.00kg 
CATCODE: PWJ010 18PW100GASD/AHT Rim & Tyre only	CATCODE: PWJ013 18PW120FLSP/AHT Rim & Tyre only	CATCODE: PWJ016 18PW55FLSP/AHT Rim & Tyre only	CATCODE: PWJ029 18PW55FLSS/AHT Rim & Tyre only
<b>18PW55WGSP/AHTRD</b> CATCODE: PWJ020 TYPE: SP WIDTH: 55mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 12.30kg 	<b>18PW55FLSD/AHTRD</b> CATCODE: PWJ036 TYPE: SD WIDTH: 55mm SHAPE: FLAT DIAMETER: 440mm WEIGHT: 12.50kg 	<b>18PW100FLSF/AHTRD</b> CATCODE: PWJ038 TYPE: SF WIDTH: 100mm SHAPE: FLAT DIAMETER: 450mm WEIGHT: 14.20kg 	<b>18PW110WGSS/AHTRD</b> CATCODE: PWJ040 TYPE: SS WIDTH: 110mm SHAPE: WEDGE DIAMETER: 500mm WEIGHT: 16.20kg 
CATCODE: PWJ019 18PW55WGSP/AHT Rim & Tyre only	CATCODE: PWJ037 18PW55FLSD/AHT Rim & Tyre only	CATCODE: PWJ039 18PW100FLSF/AHT Rim & Tyre only	CATCODE: PWJ041 18PW110WGSS/AHT Rim & Tyre only
<b>18PW110WGSP/AHTRD</b> CATCODE: PWJ042 TYPE: SP WIDTH: 110mm SHAPE: Wedge DIAMETER: 500mm WEIGHT: 14.30kg 	<b>18PW80WGSP/AHTRD</b> CATCODE: PWJ044 TYPE: SF WIDTH: 80mm SHAPE: WEDGE DIAMETER: 480mm WEIGHT: 12.70kg 	<b>18PW120FLSD/AHTRD</b> CATCODE: PWJ046 TYPE: SD WIDTH: 120mm SHAPE: FLAT DIAMETER: 450mm WEIGHT: 16.90kg 	All 18" wheels come standard with <ul style="list-style-type: none"> <li>• 18" 2 piece alloy split rim</li> <li>• 18" tyre (fitted)</li> <li>• HT Hub and 9" round stub</li> <li>• (Hub unassembled)</li> </ul>
CATCODE: PWJ043 18PW110WGSP/AHT Rim & Tyre only	CATCODE: PWJ045 18PW80WGSP/AHT Rim & Tyre only	CATCODE: PWJ047 18PW120FLSD/AHT Rim & Tyre only	



## 15" Nylon Bush Press Wheels

















Master Guide: All /ANB Wheels come standard with the following:

- 15" Alloy two piece split rim (actual rim diameter = 290mm)
- 15" Tyre fitted (varies with code)
- 25mm Nylon Bush fitted

- SD = Solid, SP = Semi-Pneumatic, SS = Semi-Solid, SF = Hi-Flex

Caution: Normally due to increased wear, rates on gangs, soft tyres are only used in very sticky and soft conditions, no dry sowing.



<b>15PW100FLSD/ANB</b> CATCODE: PWS001  TYPE: SD WIDTH: 100mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 8kg TYRE: 15PW100FLSD CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB	<b>15PW100FLSP/ANB</b> CATCODE: PWS002  TYPE: SP WIDTH: 100mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 7kg TYRE: 15PW100FLSP CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB	<b>15PW110WGSD/ANB</b> CATCODE: PWS003  TYPE: SD WIDTH: 110mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 8.50kg TYRE: 15PW110WGSD CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB	<b>15PW110WGSP/ANB</b> CATCODE: PWS004  TYPE: SP WIDTH: 110mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 7.20kg TYRE: 15PW110WGSP CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB
<b>15PW55DOSP/ANB</b> CATCODE: PWS005  TYPE: SP WIDTH: 55mm SHAPE: Dome DIAMETER: 380mm WEIGHT: 6kg TYRE: 15PW55DOSP CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB	<b>15PW55FLSD/ANB</b> CATCODE: PWS006  TYPE: SD WIDTH: 55mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 7.20kg TYRE: 15PW55FLSD CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB	<b>15PW55FLSP/ANB</b> CATCODE: PWS007  TYPE: SP WIDTH: 55mm SHAPE: Flat DIAMETER: 340mm WEIGHT: 5.08kg TYRE: 15PW55FLSP CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB	<b>15PW55WGSD/ANB</b> CATCODE: PWS008  TYPE: SD WIDTH: 55mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 6.50kg TYRE: 15PW55WGSD CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB
<b>15PW55WGSP/ANB</b> CATCODE: PWS009  TYPE: SP WIDTH: 55mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 5.50kg TYRE: 15PW55WGSP CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB	<b>15PW70VESD/ANB</b> CATCODE: PWS010  TYPE: SD WIDTH: 70mm SHAPE: Vee DIAMETER: 380mm WEIGHT: 7.70kg TYRE: 15PW70VESD CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB	<b>15PW75RDSP/ANB</b> CATCODE: PWS020  TYPE: SP WIDTH: 75mm SHAPE: Round DIAMETER: 355mm WEIGHT: 6.20kg TYRE: 15PW75RDSP CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB	<b>15PW80FLSP/ANB</b> CATCODE: PWS021  TYPE: SP WIDTH: 80mm SHAPE: Flat DIAMETER: 340mm WEIGHT: 6.10kg TYRE: 15PW80FLSP CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB
<b>15PW80RISP/ANB</b> CATCODE: PWS011  TYPE: SP WIDTH: 80mm SHAPE: Ribbed DIAMETER: 380mm WEIGHT: 5.62kg TYRE: 15PW80RISP CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB	<b>15PW80WGSD/ANB</b> CATCODE: PWS012  TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 390mm WEIGHT: 7.24kg TYRE: 15PW80WGSD CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB	<b>15PW80WGSF/ANB</b> CATCODE: PWS022  TYPE: SF WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 5.80kg TYRE: 15PW80WGSF CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB	<b>15PW80WGSP/ANB</b> CATCODE: PWS013  TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 6.40kg TYRE: 15PW80WGSP CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB

















## 15" Nylon Bush Press Wheels

<p><b>15PW80WGSS/ANB</b> CATCODE: PWS014</p> <p>TYPE: SS WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 7.20kg</p> 	<p><b>15PW90RDS/ANB</b> CATCODE: PWS015</p> <p>TYPE: SD WIDTH: 90mm SHAPE: Round DIAMETER: 380mm WEIGHT: 8.40kg</p> 	<p><b>16PW70VCSP/ANB</b> CATCODE: PWS017</p> <p>TYPE: SP WIDTH: 70mm SHAPE: Vee/Dome DIAMETER: 410mm WEIGHT: 6.60kg</p> 	<p><b>16PW80WCSD/ANB</b> CATCODE: PWS018</p> <p>TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 410mm WEIGHT: 7.90kg</p> 
<p>TYRE: 15PW80WGSS CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB</p>	<p>TYRE: 15PW90RDS CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB</p>	<p>TYRE: 16PW70VCSP CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB</p>	<p>TYRE: 16PW80WCSD CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB</p>
<p><b>16PW80WCSP/ANB</b> CATCODE: PWS019</p> <p>TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 410mm WEIGHT: 7.26kg</p> 	<p><b>16PW70VCSD/ANB</b> CATCODE: PWS016</p> <p>TYPE: SD WIDTH: 70mm SHAPE: Dome DIAMETER: 410mm WEIGHT: 7.20kg</p> 	<p><b>15PW100FLSF/ANB</b> CATCODE: PWS023</p> <p>TYPE: SF WIDTH: 100mm SHAPE: FLAT DIAMETER: 350mm WEIGHT: 7kg</p> 	<p><b>16PW100RCSP/ANB</b> CATCODE: PWS024</p> <p>TYPE: SP WIDTH: 100mm SHAPE: ROUND DIAMETER: 410mm WEIGHT: 7.80kg</p> 
<p>TYRE: 16PW80WCSP CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB</p>	<p>TYRE: 16PW70VCSD CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB</p>	<p>TYRE: 15PW100FLSF CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB</p>	<p>TYRE: 16PW100RCSP CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB</p>
<p><b>PWBNG25NB</b> CATCODE: PBS030</p> 	<p><b>16PW100RCSF/ANB</b> CATCODE: PWS025</p> <p>TYPE: SF WIDTH: 100mm SHAPE: ROUND DIAMETER: 410mm WEIGHT: 7.20kg</p> 	<p><b>16PW100RCSS/ANB</b> CATCODE: PWS026</p> <p>TYPE: SS WIDTH: 100mm SHAPE: Round DIAMETER: 410mm WEIGHT: 9.90kg</p> 	
<p>25mm Nylon Bush (to suit 15" Nylon Bush Press Wheel) Code is for 1 bush only.</p>	<p>TYRE: 16PW100RCSF CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB</p>	<p>TYRE: 16PW100RCSS CENTRE: 15PWALNBCENTRE BUSH: PWBNG25NB</p>	

NOTE: 16" tyres fit on 15" rims - Actual rim diameter 290mm



## 18" Nylon Bush Press Wheels

<b>18PW100FLSD/ANB</b> CATCODE: PVL001 TYPE: SD WIDTH: 100mm SHAPE: Flat DIAMETER: 450mm WEIGHT: 12.72kg 	<b>18PW100FLSP/ANB</b> CATCODE: PVL003 TYPE: SP WIDTH: 100mm SHAPE: Flat DIAMETER: 450mm WEIGHT: 10.40kg 	<b>18PW100FRSD/ANB</b> CATCODE: PVL004 TYPE: SD WIDTH: 100mm SHAPE: Flat Ribbed DIAMETER: 480mm WEIGHT: 12.90kg 	<b>18PW120FLSP/ANB</b> CATCODE: PVL006 TYPE: SP WIDTH: 120mm SHAPE: Flat DIAMETER: 450mm WEIGHT: 12.40kg 
TYRE: 18PW100FLSD CENTRE: 18PWALNBCENTRE BUSH: PWBNG/32NB	TYRE: 18PW100FLSP CENTRE: 18PWALNBCENTRE BUSH: PWBNG/32NB	TYRE: 18PW100FRSD CENTRE: 18PWALNBCENTRE BUSH: PWBNG/32NB	TYRE: 18PW120FLSP CENTRE: 18PWALNBCENTRE BUSH: PWBNG/32NB
<b>18PW55FLSP/ANB</b> CATCODE: PVL007 <b>CAUTION</b> TYPE: SP WIDTH: 55mm SHAPE: Flat DIAMETER: 440mm WEIGHT: 8kg 	<b>18PW55FLSS/ANB</b> CATCODE: PVL008 TYPE: SS WIDTH: 55mm SHAPE: Flat DIAMETER: 440mm WEIGHT: 8.20kg 	<b>18PW55WGSP/ANB</b> CATCODE: PVL009 <b>CAUTION</b> TYPE: SP WIDTH: 55mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 8.60kg 	<b>18PW55WGSS/ANB</b> CATCODE: PVL013 TYPE: SS WIDTH: 55mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 9.40kg 
TYRE: 18PW55FLSP CENTRE: 18PWALNBCENTRE BUSH: PWBNG/32NB	TYRE: 18PW55FLSS CENTRE: 18PWALNBCENTRE BUSH: PWBNG/32NB	TYRE: 18PW55WGSP CENTRE: 18PWALNBCENTRE BUSH: PWBNG/32NB	TYRE: 18PW55WGSS CENTRE: 18PWALNBCENTRE BUSH: PWBNG/32NB
<b>18PW80WGSD/ANB</b> CATCODE: PVL010 TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 11kg 	<b>18PW80WGSP/ANB</b> CATCODE: PVL011 TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 9.70kg 	<b>18PW80WGSS/ANB</b> CATCODE: PVL012 TYPE: SS WIDTH: 80mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 10.35kg 	<b>18PW55WGSD/ANB</b> CATCODE: PVL014 TYPE: SD WIDTH: 55mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 9.60kg 
TYRE: 18PW80WGSD CENTRE: 18PWALNBCENTRE BUSH: PWBNG/32NB	TYRE: 18PW80WGSP CENTRE: 18PWALNBCENTRE BUSH: PWBNG/32NB	TYRE: 18PW80WGSS CENTRE: 18PWALNBCENTRE BUSH: PWBNG/32NB	TYRE: 18PW55WGSD CENTRE: 18PWALNBCENTRE BUSH: PWBNG/32NB
<b>18PW55FLSD/ANB</b> CATCODE: PVL015 TYPE: SD WIDTH: 55mm SHAPE: FLAT DIAMETER: 440mm WEIGHT: 8.80kg 	<b>18PW110WGSS/ANB</b> CATCODE: PVL016 TYPE: SS WIDTH: 110mm SHAPE: WEDGE DIAMETER: 500mm WEIGHT: 12.40kg 	<b>18PW110WGSP/ANB</b> CATCODE: PVL017 TYPE: SP WIDTH: 110mm SHAPE: WEDGE DIAMETER: 500mm WEIGHT: 10.50kg 	<b>18PW120FLSD/ANB</b> CATCODE: PVL018 TYPE: SD WIDTH: 120mm SHAPE: FLAT DIAMETER: 490mm WEIGHT: 13.10kg 
TYRE: 18PW55FLSD CENTRE: 18PWALNBCENTRE BUSH: PWBNG/32NB	TYRE: 18PW110WGSS CENTRE: 18PWALNBCENTRE BUSH: PWBNG/32NB	TYRE: 18PW110WGSP CENTRE: 18PWALNBCENTRE BUSH: PWBNG/32NB	TYRE: 18PW120FLSD CENTRE: 18PWALNBCENTRE BUSH: PWBNG/32NB

- 18" Alloy two piece split rim (actual rim diameter = 390mm)
  - 18" Tyre fitted (varies with code)
  - 32mm Nylon Bush Fitted
  - SD = Solid, SS = Semi-Solid, SP = Semi-Pneumatic, SF = Hi-Flex
- Caution:** Normally due to increased wear, rates on gangs, soft tyres are only used in very sticky and soft conditions, no dry sewing.



## 15" Sealed Bearing/Old Model Conservapak Press Wheels

Master Guide: All /ASB Wheels come standard with the following:

- 15" Alloy two piece split rim (actual rim diameter = 290mm)
- 15" Tyre fitted (varies with code)
- 2 x 6205 -2RS (25mm Bore) Bearings Fitted
- SD = Solid, SS = Semi-Solid, SP = Semi-Pneumatic, SF = Hi-Flex







Bearing Options: 1" Bearings and Locking Collar available

Centre Options: ConservaPak (6205-2RS), GASON (6203-2RS), DUNCAN (6203-2RS)

Centre Options: Galvanised Steel available on request



NEW STYLE  
(CENTRE VIEW)



<b>15PW100FLSD/ASB</b> CATCODE: PWQ002  TYPE: SD WIDTH: 100mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 8.36kg TYRE: 15PW100FLSD CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)	<b>15PW100FLSP/ASB</b> CATCODE: PWQ008  TYPE: SP WIDTH: 100mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 7.30kg TYRE: 15PW100FLSP CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)	<b>15PW110WGSD/ASB</b> CATCODE: PWQ012  TYPE: SD WIDTH: 110mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 8.80kg TYRE: 15PW110WGSD CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)	<b>15PW110WGSP/ASB</b> CATCODE: PWQ018  TYPE: SP WIDTH: 110mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 7.50kg TYRE: 15PW110WGSP CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)
<b>15PW55DOSP/ASB</b> CATCODE: PWQ022  TYPE: SP WIDTH: 55mm SHAPE: Dome DIAMETER: 380mm WEIGHT: 6.30kg TYRE: 15PW55DOSP CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)	<b>15PW55FLSD/ASB</b> CATCODE: PWQ028  TYPE: SD WIDTH: 55mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 7.50kg TYRE: 15PW55FLSD CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)	<b>15PW55FLSP/ASB</b> CATCODE: PWQ034  TYPE: SP WIDTH: 55mm SHAPE: Flat DIAMETER: 340mm WEIGHT: 5.40kg TYRE: 15PW55FLSP CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)	<b>15PW55WGSD/ASB</b> CATCODE: PWQ040  TYPE: SD WIDTH: 55mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 6.80kg TYRE: 15PW55WGSD CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)
<b>15PW55WGSP/ASB</b> CATCODE: PWQ047  TYPE: SP WIDTH: 55mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 5.80kg TYRE: 15PW55WGSP CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)	<b>15PW70VESD/ASB</b> CATCODE: PWQ053  TYPE: SD WIDTH: 70mm SHAPE: Vee DIAMETER: 380mm WEIGHT: 8kg TYRE: 15PW70VESD CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)	<b>15PW75RDSP/ASB</b> CATCODE: PWQ114  TYPE: SP WIDTH: 75mm SHAPE: Round DIAMETER: 355mm WEIGHT: 6.50kg TYRE: 15PW75RDSP CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)	<b>15PW80FLSP/ASB</b> CATCODE: PWQ115  TYPE: SP WIDTH: 80mm SHAPE: Flat DIAMETER: 340mm WEIGHT: 6.40kg TYRE: 15PW80FLSP CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)
<b>15PW80RISP/ASB</b> CATCODE: PWQ060  TYPE: SP WIDTH: 80mm SHAPE: Ribbed DIAMETER: 380mm WEIGHT: 6.20kg TYRE: 15PW80RISP CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)	<b>15PW80WGSD/ASB</b> CATCODE: PWQ067  TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 7.60kg TYRE: 15PW80WGSD CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)	<b>15PW80WGSF/ASB</b> CATCODE: PWQ116  TYPE: SF WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 6.10kg TYRE: 15PW80WGSF CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)	<b>15PW80WGSP/ASB</b> CATCODE: PWQ074  TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 6.70kg TYRE: 15PW80WGSP CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)



## 15" Sealed Bearing/Old Model Conservapak Press Wheels

<p><b>15PW80WGSS/ASB</b> CATCODE: PWQ080</p> <p>TYPE: SS WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 7.50kg</p> 	<p><b>15PW90RDSD/ASB</b> CATCODE: PWQ082</p> <p>TYPE: SD WIDTH: 90mm SHAPE: Round DIAMETER: 380mm WEIGHT: 8.70kg</p> 	<p><b>16PW70VCSP/ASB</b> CATCODE: PWQ096</p> <p>TYPE: SP WIDTH: 70mm SHAPE: Vee/Dome DIAMETER: 410mm WEIGHT: 6.90kg</p> 	<p><b>16PW80WCSD/ASB</b> CATCODE: PWQ102</p> <p>TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 410mm WEIGHT: 8.20kg</p> 
<p>TYRE: 15PW80WGSS CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p>TYRE: 15PW90RDSD CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p>TYRE: 16PW70VCSP CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p>TYRE: 16PW80WCSD CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>
<p><b>16PW80WCSP/ASB</b> CATCODE: PWQ108</p> <p>TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 410mm WEIGHT: 7.50kg</p> 	<p><b>16PW70VCSD/ASB</b> CATCODE: PWQ091</p> <p>TYPE: SD WIDTH: 70mm SHAPE: Dome DIAMETER: 410mm WEIGHT: 7.50kg</p> 	<p><b>15PW100FLSF/ASB</b> CATCODE: PWQ114</p> <p>TYPE: SF WIDTH: 100mm SHAPE: FLAT DIAMETER: 350mm WEIGHT: 7.30kg</p> 	<p><b>16PW100RCSP/ASB</b> CATCODE: PWQ117</p> <p>TYPE: SP WIDTH: 100mm SHAPE: ROUND DIAMETER: 410mm WEIGHT: 8.10kg</p> 
<p>TYRE: 16PW80WCSP CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p>TYRE: 16PW70VCSD CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p>TYRE: 15PW100FLSF CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p>TYRE: 16PW100RCSP CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>
<p><b>16PW100RCSS/ASB</b> CATCODE: PWQ118</p> <p>TYPE: SS WIDTH: 100mm SHAPE: ROUND DIAMETER: 410mm WEIGHT: 10.20kg</p> 	<p><b>16PW100RCSF/ASB</b> CATCODE: PWQ119</p> <p>TYPE: SF WIDTH: 100mm SHAPE: ROUND DIAMETER: 410mm WEIGHT: 7.50kg</p> 	<p><b>Note:</b> 16" Tyres fit the same rim as the 15" Tyres</p> <p><b>Note:</b> To match original Conservapak dimension exactly use 16" tyres</p>	
<p>TYRE: 16PW100RCSS CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p>TYRE: 16PW100RCSF CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p>SD = SOLID SP = SEMI PNEUMATIC SS = SEMI - SOLID SF = HI - FLEX</p>	

To order original model Conservapak, replace ASB/ with /ACSB  
To order John Deere 1870 model see pages 21 & 22

## 16" Parallelogram Wheels

New range in 2019 specifically designed to be fitted to Morris C1/C2, Bourgault 3320/3420, Flexi-Coil, PD5700, SeedHawk and other similar machines. The new model wheels have been specifically designed with a wider surface and high side walls.

<p><b>16PW120FLSP/AHT</b> CATCODE: PWP141</p> <p>TYPE: SP WIDTH: 120mm SHAPE: FLAT DIAMETER: 410mm WEIGHT: 9kg</p> 	<p><b>16PW140RDSP/AHT</b> CATCODE: PWP142</p> <p>TYPE: SP WIDTH: 140mm SHAPE: ROUND DIAMETER: 390mm WEIGHT: 9kg</p> 	<p><b>16PW120RDSP/AHT</b> CATCODE: PWP143</p> <p>TYPE: SP WIDTH: 120mm SHAPE: ROUND DIAMETER: 390mm WEIGHT: 8.70kg</p> 	<p><b>16PW120WGSP/AHT</b> CATCODE: PWP144</p> <p>TYPE: SP WIDTH: 120mm SHAPE: WEDGE DIAMETER: 410mm WEIGHT: 9kg</p> 
<p><b>16PW120PRSP/AHT</b> CATCODE: PWP146</p> <p>TYPE: SP WIDTH: 120mm SHAPE: PAIRED ROW DIAMETER: 400mm WEIGHT: 9kg</p> 			

**NOTE:** This is a new low profile rim size and not a standard rim. New versions of tyres and wheels in this range will be added depending on demand. If you have a particular requirement please call Manutec to discuss.

These wheels have been designed as direct replacements for the following machines.

1. Morris C1/C2
2. Seedhawk
3. Bourgault 3320/3420
4. Flexicoil PD5700
5. Other equivalent machines i.e. Seedmaster

The above wheels are also available in a 20% harder duro rating for harder seeding conditions.



# 15" & 16" John Deere 1870 Press Wheels

Replacement Press Wheels to suit the John Deere 1870.  
Wheel supplied complete with all  
bushing for direct fitment. (2013-2019)



















NEW STYLE  
(CENTRE VIEW)



-SD = Solid, SS = Semi-Solid, SP = Semi-Pneumatic, SF = Hi-Flex

(Also available with 1/2" bush to suit Conservapak)

<p><b>15PW100FLSD/JD</b> CATCODE: PWQ120</p> <p>TYPE: SD WIDTH: 100mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 8.60kg</p>  <p>TYRE: 15PW100FLSD CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p><b>15PW100FLSP/JD</b> CATCODE: PWQ121</p> <p>TYPE: SP WIDTH: 100mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 7.60kg</p>  <p>TYRE: 15PW100FLSP CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p><b>15PW110WGSD/JD</b> CATCODE: PWQ122</p> <p>TYPE: SD WIDTH: 110mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 9.10kg</p>  <p>TYRE: 15PW110WGSD CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p><b>15PW110WGSP/JD</b> CATCODE: PWQ123</p> <p>TYPE: SP WIDTH: 110mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 7.80kg</p>  <p>TYRE: 15PW110WGSP CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>
<p><b>15PW55DOSP/JD</b> CATCODE: PWQ124</p> <p>TYPE: SP WIDTH: 55mm SHAPE: Dome DIAMETER: 380mm WEIGHT: 6.60kg</p>  <p>TYRE: 15PW55DOSP CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p><b>15PW55FLSD/JD</b> CATCODE: PWQ125</p> <p>TYPE: SD WIDTH: 55mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 7.75kg</p>  <p>TYRE: 15PW55FLSD CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p><b>15PW55FLSP/JD</b> CATCODE: PWQ126</p> <p>TYPE: SP WIDTH: 55mm SHAPE: Flat DIAMETER: 340mm WEIGHT: 5.65kg</p>  <p>TYRE: 15PW55FLSP CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p><b>15PW55WGSD/JD</b> CATCODE: PWQ127</p> <p>TYPE: SD WIDTH: 55mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 7.05kg</p>  <p>TYRE: 15PW55WGSD CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>
<p><b>15PW55WGSP/JD</b> CATCODE: PWQ128</p> <p>TYPE: SP WIDTH: 55mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 6.10kg</p>  <p>TYRE: 15PW55WGSP CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p><b>15PW70VESD/JD</b> CATCODE: PWQ129</p> <p>TYPE: SD WIDTH: 70mm SHAPE: Vee DIAMETER: 380mm WEIGHT: 8.30kg</p>  <p>TYRE: 15PW70VESD CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p><b>15PW75RDSP/JD</b> CATCODE: PWQ130</p> <p>TYPE: SP WIDTH: 75mm SHAPE: Round DIAMETER: 355mm WEIGHT: 6.80kg</p>  <p>TYRE: 15PW75RDSP CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p><b>15PW80FLSP/JD</b> CATCODE: PWQ131</p> <p>TYPE: SP WIDTH: 80mm SHAPE: Flat DIAMETER: 340mm WEIGHT: 6.70kg</p>  <p>TYRE: 15PW80FLSP CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>
<p><b>15PW80RISP/JD</b> CATCODE: PWQ132</p> <p>TYPE: SP WIDTH: 80mm SHAPE: Ribbed DIAMETER: 380mm WEIGHT: 6.35kg</p>  <p>TYRE: 15PW80RISP CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p><b>15PW80WGSD/JD</b> CATCODE: PWQ133</p> <p>TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 7.85kg</p>  <p>TYRE: 15PW80WGSD CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p><b>15PW80WGSF/JD</b> CATCODE: PWQ134</p> <p>TYPE: SF WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 6.40kg</p>  <p>TYRE: 15PW80WGSF CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p><b>15PW80WGSP/JD</b> CATCODE: PWQ135</p> <p>TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 7kg</p>  <p>TYRE: 15PW80WGSP CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>

## 15" & 16" John Deere 1870 Press Wheels

(Also available with 1/2" bush to suit Conservapak)

<b>15PW80WGSS/JD</b> CATCODE: PWQ136  TYPE: SS WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 7.80kg TYRE: 15PW80WGSS CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)	<b>15PW90RSD/JD</b> CATCODE: PWQ137  TYPE: SD WIDTH: 90mm SHAPE: Round DIAMETER: 380mm WEIGHT: 8.7kg TYRE: 15PW90RSD CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)	<b>16PW70VCSP/JD</b> CATCODE: PWQ138  TYPE: SP WIDTH: 70mm SHAPE: Vee/Dome DIAMETER: 410mm WEIGHT: 7.1kg TYRE: 16PW70VCSP CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)	<b>16PW80WCSD/JD</b> CATCODE: PWQ139  TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 410mm WEIGHT: 8.50kg TYRE: 16PW80WCSD CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)
<b>16PW80WCSP/JD</b> CATCODE: PWQ140  TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 410mm WEIGHT: 7.80kg TYRE: 16PW80WCSP CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)	<b>16PW70VCSD/JD</b> CATCODE: PWQ141  TYPE: SD WIDTH: 70mm SHAPE: Dome DIAMETER: 410mm WEIGHT: 7.80kg TYRE: 16PW70VCSD CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)	<b>15PW100FLSF/JD</b> CATCODE: PWQ142  TYPE: SF WIDTH: 100mm SHAPE: FLAT DIAMETER: 350mm WEIGHT: 7.60kg TYRE: 15PW100FLSF CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)	<b>16PW100RCSP/JD</b> CATCODE: PWQ143  TYPE: SP WIDTH: 100mm SHAPE: ROUND DIAMETER: 410mm WEIGHT: 8.40kg TYRE: 16PW100RCSP CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)
<b>16PW100RCSS/JD</b> CATCODE: PWQ144  TYPE: SS WIDTH: 100mm SHAPE: ROUND DIAMETER: 410mm WEIGHT: 10.50kg TYRE: 16PW100RCSS CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)	<b>16PW100RCSF/JD</b> CATCODE: PWQ145  TYPE: SF WIDTH: 100mm SHAPE: ROUND DIAMETER: 410mm WEIGHT: 7.80kg TYRE: 16PW100RCSF CENTRE: 15PWALSBCENTRE BEARING: 6205-2RS (2pcs)		

**Note:** For Genuine Conservapak Machines replace /JD in code with /ACSB (See full list on Page 18 & 19)

SD = SOLID  
 SP = SEMI PNEUMATIC  
 SS = SEMI - SOLID  
 SF = HI - FLEX

**Note:**  
 To match original John Deere dimensions exactly use 16" tyres

**Note:**  
 16" Tyres fit the same rim as the 15" Tyres

### AVAILABLE IN 2019 - NEW VERSION



NEW VERSION HAS PEER "SEALED FOR LIFE" BEARING



## 15" & 16" John Deere 1870 Press Wheels

**ZERO MAINTENANCE**

Replacement Press Wheels to suit the John Deere 1870.

Wheel supplied complete with all seal covers and bushing for direct fitment.

-SD = Solid, SS = Semi-Solid, SP = Semi-Pneumatic, SF = Hi-Flex



### HT VARIANT (AVAILABLE 2019)

<b>15PW100FLSD/JD-HT</b> CATCODE: PWQ120-HT TYPE: SD WIDTH: 100mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 8.40kg 	<b>15PW100FLSP/JD-HT</b> CATCODE: PWQ121-HT TYPE: SP WIDTH: 100mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 7.5kg 	<b>15PW110WGSD/JD-HT</b> CATCODE: PWQ122-HT TYPE: SD WIDTH: 110mm SHAPE: Wedge DIAMETER: 390mm WEIGHT: 8.85kg 	<b>15PW110WGSP/JD-HT</b> CATCODE: PWQ123-HT TYPE: SP WIDTH: 110mm SHAPE: Wedge DIAMETER: 390mm WEIGHT: 7.6kg 
TYRE: 15PW100FLSD CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230	TYRE: 15PW100FLSP CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230	TYRE: 15PW110WGSD CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230	TYRE: 15PW110WGSP CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230
<b>15PW55DOSP/JD-HT</b> CATCODE: PWQ124-HT TYPE: SP WIDTH: 55mm SHAPE: Dome DIAMETER: 380mm WEIGHT: 6.40kg 	<b>15PW55FLSD/JD-HT</b> CATCODE: PWQ125-HT TYPE: SD WIDTH: 55mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 7.60kg 	<b>15PW55FLSP/JD-HT</b> CATCODE: PWQ126-HT TYPE: SP WIDTH: 55mm SHAPE: Flat DIAMETER: 340mm WEIGHT: 5.50kg 	<b>15PW55WGSD/JD-HT</b> CATCODE: PWQ127-HT TYPE: SD WIDTH: 55mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 6.90kg 
TYRE: 15PW55DOSP CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230	TYRE: 15PW55FLSD CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230	TYRE: 15PW55FLSP CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230	TYRE: 15PW55WGSD CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230
<b>15PW55WGSP/JD-HT</b> CATCODE: PWQ128-HT TYPE: SP WIDTH: 55mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 5.90kg 	<b>15PW70VESD/JD-HT</b> CATCODE: PWQ129-HT TYPE: SD WIDTH: 70mm SHAPE: Vee DIAMETER: 380mm WEIGHT: 8.20kg 	<b>15PW75RDSP/JD-HT</b> CATCODE: PWQ130-HT TYPE: SP WIDTH: 75mm SHAPE: Round DIAMETER: 355mm WEIGHT: 6.70kg 	<b>15PW80FLSP/JD-HT</b> CATCODE: PWQ131-HT TYPE: SP WIDTH: 80mm SHAPE: Flat DIAMETER: 340mm WEIGHT: 6.50kg 
TYRE: 15PW55WGSP CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230	TYRE: 15PW70VESD CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230	TYRE: 15PW75RDSP CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230	TYRE: 15PW80FLSP CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230
<b>15PW80RISP/JD-HT</b> CATCODE: PWQ132-HT TYPE: SP WIDTH: 80mm SHAPE: Ribbed DIAMETER: 380mm WEIGHT: 6.35kg 	<b>15PW80WGSD/JD-HT</b> CATCODE: PWQ133-HT TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 7.70kg 	<b>15PW80WGSF/JD-HT</b> CATCODE: PWQ134-HT TYPE: SF WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 6.2kg 	<b>15PW80WGSP/JD-HT</b> CATCODE: PWQ135-HT TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 7.12kg 
TYRE: 15PW80RISP CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230	TYRE: 15PW80WGSD CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230	TYRE: 15PW80WGSF CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230	TYRE: 15PW80WGSP CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230

## 15" &amp; 16" John Deere 1870 Press Wheels

ZERO MAINTENANCE

<b>15PW80WGSS/JD-HT</b> CATCODE: PWQ136-HT  TYPE: SS WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 7.70kg  	<b>15PW90RDS/D/JD-HT</b> CATCODE: PWQ137-HT  TYPE: SD WIDTH: 90mm SHAPE: Round DIAMETER: 380mm WEIGHT: 8.7kg  	<b>16PW70VCSP/JD-HT</b> CATCODE: PWQ138-HT  TYPE: SP WIDTH: 70mm SHAPE: Vee/Dome DIAMETER: 410mm WEIGHT: 7.1kg  	<b>16PW80WCSD/JD-HT</b> CATCODE: PWQ139-HT  TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 410mm WEIGHT: 8.3kg  
TYRE: 15PW80WGSS CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230	TYRE: 15PW90RDS/D CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230	TYRE: 16PW70VCSP CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230	TYRE: 16PW80WCSD CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230
<b>16PW80WCSP/JD-HT</b> CATCODE: PWQ140-HT  TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 410mm WEIGHT: 7.60kg  	<b>16PW70VCSD/JD-HT</b> CATCODE: PWQ141-HT  TYPE: SD WIDTH: 70mm SHAPE: Dome DIAMETER: 410mm WEIGHT: 7.65kg  	<b>15PW100FLSF/JD-HT</b> CATCODE: PWQ142-HT  TYPE: SF WIDTH: 100mm SHAPE: FLAT DIAMETER: 350mm WEIGHT: 7.50kg  	<b>16PW100RCSP/JD-HT</b> CATCODE: PWQ143-HT  TYPE: SP WIDTH: 100mm SHAPE: ROUND DIAMETER: 410mm WEIGHT: 8.30kg  
TYRE: 16PW80WCSP CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230	TYRE: 16PW70VCSD CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230	TYRE: 15PW100FLSF CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230	TYRE: 16PW100RCSP CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230
<b>16PW100RCSS/JD-HT</b> CATCODE: PWQ144-HT  TYPE: SS WIDTH: 100mm SHAPE: ROUND DIAMETER: 410mm WEIGHT: 10.30kg  	<b>16PW100RCSF/JD-HT</b> CATCODE: PWQ145-HT  TYPE: SF WIDTH: 100mm SHAPE: ROUND DIAMETER: 410mm WEIGHT: 7.70kg  	These may not be suitable for original model CONSERVAPAKS, see pages 18 & 19  <b>Note:</b> 16" Tyres fit the same rim as the 15" Tyres  <b>Note:</b> To match original JD1870 dimensions exactly use 16" tyres  SD = SOLID SP = SEMI PNEUMATIC SS = SEMI - SOLID SF = HI - FLEX	
TYRE: 16PW100RCSS CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230	TYRE: 16PW100RCSF CENTRE: 15PWALHTCENTRE BEARING: 5203-KMF-R-A230		

















ALL HUBS FITTED WITH PEER "SEALED FOR LIFE" BEARING



## 18" Sealed Bearing Press Wheels

- 18" Alloy two piece split rim (actual rim diameter = 390mm)
- 18" Tyre fitted (varies with code)
- 2 x 6205-2RS (25mm Bore) Bearings fitted
- -SD = Solid, SS = Semi-Solid, SP = Semi-Pneumatic, SF = Hi-Flex
- Bearing Options: 1" and Locking Collar Bearings Available



<p><b>18PW100FLSD/ASB</b> CATCODE: PWK015</p> <p>TYPE: SD WIDTH: 100mm SHAPE: Flat DIAMETER: 450mm WEIGHT: 12.60kg</p> 	<p><b>18PW100FLSP/ASB</b> CATCODE: PWK016</p> <p>TYPE: SP WIDTH: 100mm SHAPE: Flat DIAMETER: 450mm WEIGHT: 10.50kg</p> 	<p><b>18PW120FLSD/ASB</b> CATCODE: PWK113</p> <p>TYPE: SD WIDTH: 120mm SHAPE: Flat Ribbed DIAMETER: 450mm WEIGHT: 12.90kg</p> 	<p><b>18PW120FLSP/ASB</b> CATCODE: PWK018</p> <p>TYPE: SP WIDTH: 120mm SHAPE: Flat DIAMETER: 430mm WEIGHT: 12.10kg</p> 
<p>TYRE: 18PW100FLSD CENTRE: 18PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p>TYRE: 18PW100FLSP CENTRE: 18PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p>TYRE: 18PW120FLSD CENTRE: 18PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p>TYRE: 18PW120FLSP CENTRE: 18PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>
<p><b>18PW55FLSP/ASB</b> CATCODE: PWK019</p> <p>TYPE: SP WIDTH: 120mm SHAPE: Flat DIAMETER: 550mm WEIGHT: 8.10kg</p> 	<p><b>18PW55FLSS/ASB</b> CATCODE: PWK020</p> <p>TYPE: SS WIDTH: 55mm SHAPE: Flat DIAMETER: 440mm WEIGHT: 8.30kg</p> 	<p><b>18PW55WGSP/ASB</b> CATCODE: PWK021</p> <p>TYPE: SP WIDTH: 55mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 8.70kg</p> 	<p><b>18PW55WGSS/ASB</b> CATCODE: PWK022</p> <p>TYPE: SS WIDTH: 55mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 9.50kg</p> 
<p>TYRE: 18PW55FLSP CENTRE: 18PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p>TYRE: 18PW55FLSS CENTRE: 18PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p>TYRE: 18PW55WGSP CENTRE: 18PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p>TYRE: 18PW55WGSS CENTRE: 18PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>
<p><b>18PW80WGSD/ASB</b> CATCODE: PWK023</p> <p>TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 11.10kg</p> 	<p><b>18PW80WGSP/ASB</b> CATCODE: PWK024</p> <p>TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 9.80kg</p> 	<p><b>18PW80WGSS/ASB</b> CATCODE: PWK025</p> <p>TYPE: SS WIDTH: 80mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 10.50kg</p> 	<p><b>18PW55WGSD/ASB</b> CATCODE: PWK026</p> <p>TYPE: SD WIDTH: 55mm SHAPE: Wedge DIAMETER: 480mm WEIGHT: 9.70kg</p> 
<p>TYRE: 18PW80WGSD CENTRE: 18PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p>TYRE: 18PW80WGSP CENTRE: 18PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p>TYRE: 18PW80WGSS CENTRE: 18PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p>TYRE: 18PW55WGSD CENTRE: 18PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>
<p><b>18PW100FLSF/ASB</b> CATCODE: PWK027</p> <p>TYPE: SF WIDTH: 100mm SHAPE: FLAT DIAMETER: 450mm WEIGHT: 10.50kg</p> 	<p><b>18PW55FLSD/ASB</b> CATCODE: PWK028</p> <p>TYPE: SD WIDTH: 55mm SHAPE: FLAT DIAMETER: 440mm WEIGHT: 8.90kg</p> 	<p><b>18PW110WGSD/ASB</b> CATCODE: PWK109</p> <p>TYPE: SD WIDTH: 110mm SHAPE: WEDGE DIAMETER: 500mm WEIGHT: 12.50kg</p> 	<p><b>18PW110WGSP/ASB</b> CATCODE: PWK110</p> <p>TYPE: SP WIDTH: 110mm SHAPE: WEDGE DIAMETER: 500mm WEIGHT: 10.55kg</p> 
<p>TYRE: 18PW100FLSF CENTRE: 18PWALSBCENTRE BEARING: 6205-2RS (2 pcs)</p>	<p>TYRE: 18PW55FLSD CENTRE: 18PWALSBCENTRE BEARING: 6205-2RS (2 pcs)</p>	<p>TYRE: 18PW110WGSD CENTRE: 18PWALSBCENTRE BEARING: 6205-2RS (2pcs)</p>	<p>TYRE: 18PW110WGSP CENTRE: 18PWALNBCENTRE BEARING: 6205-2RS (2pcs)</p>

## Planter Press Wheels

### 13" HT Planter Press Wheels

Master Guide: All Wheels come standard with the following:

- 13" Alloy two piece HT Pattern split rim (actual rim diameter = 250mm)
- 13" Tyre fitted (varies with code)

Hub Options: 5 Stud Alloy Hub (Fully Sealed) (HT Pattern)

Axle Options: Bushed Hub to suit 16mm Bolt Axle or Fitted 25mm Stub Axle



<b>13PW25FLSP/AHT</b> CATCODE: PWM004 TYPE: SP SHAPE: Flat DIAMETER: 330mm WIDTH: 100mm with 25mm tip WEIGHT: 5kg HUB16mm: PWHTHUB16 HUB16mm: JDHUB-5203S HUB25mm: PWHTHUB25 TYRE: 13PW25FLSP	<b>13PW50FLSP/AHT</b> CATCODE: PWM006 TYPE: SP SHAPE: Flat DIAMETER: 330mm WIDTH: 100mm with 50mm tip WEIGHT: 5kg HUB16mm: PWHTHUB16 HUB16mm: JDHUB-5203S HUB25mm: PWHTHUB25 TYRE: 13PW50FLSP	<b>13PW75FLSP/AHT</b> CATCODE: PWM007 TYPE: SP SHAPE: Flat DIAMETER: 330mm WIDTH: 100mm with 75mm tip WEIGHT: 5kg HUB16mm: PWHTHUB16 HUB16mm: JDHUB-5203S HUB25mm: PWHTHUB25 TYRE: 13PW75FLSP	<b>13PW100DOSP/AHT</b> CATCODE: PWM002 TYPE: SP SHAPE: Dome DIAMETER: 330mm WIDTH: 100mm to Dome WEIGHT: 5.8kg HUB16mm: PWHTHUB16 HUB16mm: JDHUB-5203S HUB25mm: PWHTHUB25 TYRE: 13PW100DOSP
<b>13PW70FLSP/AHT</b> CATCODE: PWM009 TYPE: SP SHAPE: FLAT DIAMETER: 300mm WIDTH: 70mm WEIGHT: 4.50kg	<b>13PW70FLSS/AHT</b> CATCODE: PWM010 TYPE: SP SHAPE: FLAT DIAMETER: 300mm WIDTH: 70mm WEIGHT: 4.70kg	<b>13PW90FLSS/AHT</b> CATCODE: PWM011 TYPE: SS SHAPE: FLAT DIAMETER: 300mm WIDTH: 90mm WEIGHT: 4.90kg	

Above codes include tyre and centre. Hubs need to be ordered separately.

## Other Planter Wheels

<b>13PW48STL16</b> (5203KYY3 BEARING) CATCODE: PWM005 BORE: 16mm TYPE: SD WIDTH: 48mm SHAPE: Flat DIAMETER: 13" (330mm) WEIGHT: 3.95kg	<b>12PW25PLAS16</b> (5203KYY3 BEARING) CATCODE: PWM001 BORE: 16mm TYPE: SD WIDTH: 25mm SHAPE: Rounded DIAMETER: 12" (300mm) WEIGHT: 1.55kg	<b>10PW25DOSSD</b> CATCODE: PWT057 HUB16mm or HUB25mm WIDTH: 25mm SHAPE: Rounded DIAMETER: 250mm WEIGHT: 1.85kg	<b>10PW10DOSD</b> CATCODE: PWT001 HUB16mm or HUB25mm WIDTH: 10mm SHAPE: Rounded DIAMETER: 250mm WEIGHT: 1.30kg
<b>13PW48STL16</b> CATCODE: PWM005 	<b>12PW25PLAS16</b> CATCODE: PWM001 	<b>10PW25DOSSD</b> CATCODE: PWT057 	<b>13PW25DOSD</b> CATCODE: PWT073 TYPE: SD WIDTH: 25mm SHAPE: Dome DIAMETER: 340mm WEIGHT: 2.80kg 
Hub Options: Standard HT, Narrow HT with 40mm Round or Square Stubs (Taper Bearings). Alloy HT to suit 16mm Bolt (Sealed Bearings) Alloy HT with 25mm Stub (Sealed Bearings)		<b>JDHUB-5203S</b> CATCODE: FAX067 Steel hub with 5203 bearing 	<b>JDHUB-5205A</b> CATCODE: FAX069 Aluminium Hub with 5205 bearing 



## John Deere Mud Razor Gauge Wheels **ZERO MAINTENANCE**

Manutec's range of Mud Razor Gauge Wheels to suit John Deere Single Disc Openers have been designed to fit directly onto the John Deere 1860 and 1890 disc machines as a replacement for the existing gauge wheel. The Mud Razor Gauge Wheels have a hardened Steel Scraper Ring moulded into the front leading edge of the tyre. This ring is very effective at reducing mud build up on the disc.

Additionally the wheel spokes alloy residue and mud to flow through the wheel cavity.

<p><b>JD1890-80</b> CATCODE: PWP136</p>  <p>TYPE: SSD SHAPE: GAUGE WIDTH: 80mm DIAMETER: 390mm WEIGHT: 10.30kg</p>	<p><b>JD1860-110</b> CATCODE: PWP137</p>  <p>TYPE: SSD SHAPE: GAUGE WIDTH: 110mm DIAMETER: 390mm WEIGHT: 12.25kg</p>	<p><b>JDHUB-5203S</b> CATCODE: PAX067</p>  <p>Steel Hub with 5203 Bearing</p>	<p><b>JDHUB-5205A</b> CATCODE: PAX069</p>  <p>Aluminium Hub with 5205 bearing</p>
<p><b>JD1730-115</b> CATCODE: PWP140</p>  <p>TYPE: SP SHAPE: GAUGE WIDTH: 115mm DIAMETER: 390mm WEIGHT: 9.35kg</p>	<p><b>JDHUB-5203A</b> CATCODE: PAX070</p>  <p>Aluminium Hub with 5203 bearing</p>	<p><b>HUB-5203A</b> CATCODE: PAX086</p>  <p>Aluminium Hub with 5203 bearing</p>	

UNDER DEVELOPMENT: A NEW EVEN NARROWER VERSION

## Serafin Mud Razor Gauge Wheels (Will also fit 1860/1890)

<p><b>16PW103GLSS/AHT</b> CATCODE: PWP139</p>  <p>TYPE: SSD SHAPE: GAUGE DIAMETER: 410mm WIDTH: 110mm WEIGHT: 12kg</p>
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## Austil/Simplicity Mud Razor Gauge Wheels

<p><b>16PW110GSSD/ASP</b> CATCODE: PWP138</p>  <p>TYPE: SSD SHAPE: Gauge WIDTH: 110mm DIAMETER: 410mm WEIGHT: 13.05kg</p>	<p><b>16PW110GSSD/AHT</b> CATCODE: PWP101</p>  <p>TYPE: SSD SHAPE: Gauge WIDTH: 110mm DIAMETER: 410mm WEIGHT: 11.60kg</p>	<p><b>PRE MUD RAZOR</b></p> <p>16PW110GLSD/AHT</p> <p>16PW110GLSP/AHT</p> <p>15PW115GBSD/PHT</p>	
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## GAUGE WHEELS (HT PATTERN)

16PW110GSSD/AHT CATCODE: PWP101	16PW110GLSP/AHT CATCODE: PWP100	16PW110GLSD/AHT CATCODE: PWP099	15PW115GL/PHT CATCODE: PWP026
TYPE: Steel Band WIDTH: 110mm SHAPE: Lipped (Steel) DIAMETER: 410mm WEIGHT: 11.60kg	TYPE: SP WIDTH: 110mm SHAPE: Lipped DIAMETER: 400mm WEIGHT: 7.50kg	TYPE: SD WIDTH: 110mm SHAPE: Lipped DIAMETER: 400mm WEIGHT: 9.70kg	TYPE: SD WIDTH: 115mm SHAPE: Lipped DIAMETER: 380mm WEIGHT: 13.00kg

### Hub Options:

Standard HT, Narrow HT with 40mm Round or Square Stubs (Taper Bearings).

Alloy HT to suit 16mm Bolt (Sealed Bearings)

Alloy HT with 25mm Stub (Sealed Bearings)





## 15" Flange Bearing Press Wheels

Master Guide: All /ASB Wheels come standard with the following:

- 15" Alloy two piece split rim (actual rim diameter = 290mm)
- 15" Tyre fitted (varies with code)
- SD = Solid, SS = Semi-Solid, SP = Semi-Pneumatic, SF = Hi-Flex
- Suits both Square and Round bearing Flanges (4 Bolt)
- (504 Series)
- Flanges and Bearings supplied separately
- Please ring for 18" details



<b>15PW100FLSD/AFL</b> CATCODE: PWQ146  TYPE: SD WIDTH: 100mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 7.60kg TYRE: 15PW100FLSD CENTRE: 15PWALFLCENTRE	<b>15PW100FLSP/AFL</b> CATCODE: PWQ147  TYPE: SP WIDTH: 100mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 6.60kg TYRE: 15PW100FLSP CENTRE: 15PWALFLCENTRE	<b>15PW110WGSD/AFL</b> CATCODE: PWQ148  TYPE: SD WIDTH: 110mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 8.10kg TYRE: 15PW110WGSD CENTRE: 15PWALFLCENTRE	<b>15PW110WGSP/AFL</b> CATCODE: PWQ149  TYPE: SP WIDTH: 110mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 6.80kg TYRE: 15PW110WGSP CENTRE: 15PWALFLCENTRE
<b>15PW55DOSP/AFL</b> CATCODE: PWQ150  TYPE: SP WIDTH: 55mm SHAPE: Dome DIAMETER: 380mm WEIGHT: 5.60kg TYRE: 15PW55DOSP CENTRE: 15PWALFLCENTRE	<b>15PW55FLSD/AFL</b> CATCODE: PWQ151  TYPE: SD WIDTH: 55mm SHAPE: Flat DIAMETER: 350mm WEIGHT: 6.80kg TYRE: 15PW55FLSD CENTRE: 15PWALFLCENTRE	<b>15PW55FLSP/AFL</b> CATCODE: PWQ152  TYPE: SP WIDTH: 55mm SHAPE: Flat DIAMETER: 340mm WEIGHT: 4.70kg TYRE: 15PW55FLSP CENTRE: 15PWALFLCENTRE	<b>15PW55WGSD/AFL</b> CATCODE: PWQ153  TYPE: SD WIDTH: 55mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 6.10kg TYRE: 15PW55WGSD CENTRE: 15PWALFLCENTRE
<b>15PW55WGSP/AFL</b> CATCODE: PWQ154  TYPE: SP WIDTH: 55mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 5.10kg TYRE: 15PW55WGSP CENTRE: 15PWALFLCENTRE	<b>15PW70VESD/AFL</b> CATCODE: PWQ155  TYPE: SD WIDTH: 70mm SHAPE: Vee DIAMETER: 380mm WEIGHT: 7.30kg TYRE: 15PW70VESD CENTRE: 15PWALFLCENTRE	<b>15PW75RDSP/AFL</b> CATCODE: PWQ156  TYPE: SP WIDTH: 75mm SHAPE: Round DIAMETER: 355mm WEIGHT: 5.80kg TYRE: 15PW75RDSP CENTRE: 15PWALFLCENTRE	<b>15PW80FLSP/AFL</b> CATCODE: PWQ157  TYPE: SP WIDTH: 80mm SHAPE: Flat DIAMETER: 340mm WEIGHT: 5.70kg TYRE: 15PW80FLSP CENTRE: 15PWALFLCENTRE
<b>15PW80RISP/AFL</b> CATCODE: PWQ158  TYPE: SP WIDTH: 80mm SHAPE: Ribbed DIAMETER: 380mm WEIGHT: 5.70kg TYRE: 15PW80RISP CENTRE: 15PWALFLCENTRE	<b>15PW80WGSD/AFL</b> CATCODE: PWQ159  TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 6.85kg TYRE: 15PW80WGSD CENTRE: 15PWALFLCENTRE	<b>15PW80WGSF/AFL</b> CATCODE: PWQ160  TYPE: SF WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 5.40kg TYRE: 15PW80WGSF CENTRE: 15PWALFLCENTRE	<b>15PW80WGSP/AFL</b> CATCODE: PWQ161  TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 6kg TYRE: 15PW80WGSP CENTRE: 15PWALFLCENTRE

## 15" Flange Bearing Press Wheels

<p><b>15PW80WGSS/AFL</b> CATCODE: PWQ162</p> <p>TYPE: SS WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 6.80kg</p> 	<p><b>15PW90RDSD/AFL</b> CATCODE: PWQ163</p> <p>TYPE: SD WIDTH: 90mm SHAPE: Round DIAMETER: 380mm WEIGHT: 7.80kg</p> 	<p><b>16PW70VCSP/AFL</b> CATCODE: PWQ164</p> <p>TYPE: SP WIDTH: 70mm SHAPE: Vee/Dome DIAMETER: 410mm WEIGHT: 6.20kg</p> 	<p><b>16PW80WCSD/AFL</b> CATCODE: PWQ165</p> <p>TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 410mm WEIGHT: 7.50kg</p> 
<p>TYRE: 15PW80WGSS CENTRE: 15PWALFLCENTRE</p>	<p>TYRE: 15PW90RDSD CENTRE: 15PWALFLCENTRE</p>	<p>TYRE: 16PW70VCSP CENTRE: 15PWALFLCENTRE</p>	<p>TYRE: 16PW80WCSD CENTRE: 15PWALFLCENTRE</p>
<p><b>16PW80WCSP/AFL</b> CATCODE: PWQ166</p> <p>TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 410mm WEIGHT: 6.80kg</p> 	<p><b>16PW70VCSD/AFL</b> CATCODE: PWQ167</p> <p>TYPE: SD WIDTH: 70mm SHAPE: Dome DIAMETER: 410mm WEIGHT: 6.80kg</p> 	<p><b>15PW100FLSF/AFL</b> CATCODE: PWQ168</p> <p>TYPE: SF WIDTH: 100mm SHAPE: FLAT DIAMETER: 350mm WEIGHT: 6.60kg</p> 	<p><b>16PW100RCSP/AFL</b> CATCODE: PWQ169</p> <p>TYPE: SP WIDTH: 100mm SHAPE: ROUND DIAMETER: 410mm WEIGHT: 7.40kg</p> 
<p>TYRE: 16PW80WCSP CENTRE: 15PWALFLCENTRE</p>	<p>TYRE: 16PW70VCSD CENTRE: 15PWALFLCENTRE</p>	<p>TYRE: 15PW100FLSF CENTRE: 15PWALFLCENTRE</p>	<p>TYRE: 16PW100RCSP CENTRE: 15PWALFLCENTRE</p>
<p><b>16PW100RCSS/AFL</b> CATCODE: PWQ170</p> <p>TYPE: SS WIDTH: 100mm SHAPE: ROUND DIAMETER: 410mm WEIGHT: 9.50kg</p> 	<p><b>16PW100RCSF/AFL</b> CATCODE: PWQ171</p> <p>TYPE: SF WIDTH: 100mm SHAPE: ROUND DIAMETER: 410mm WEIGHT: 6.80kg</p> 	<p>SD = SOLID SP = SEMI PNEUMATIC SS = SEMI - SOLID SF = HI - FLEX</p>	
<p>TYRE: 16PW100RCSS CENTRE: 15PWALFLCENTRE</p>	<p>TYRE: 16PW100RCSF CENTRE: 15PWALFLCENTRE</p>	<p><b>Note:</b> 16" Tyres fit the same rim as the 15" Tyres</p>	



## Planter Press Wheels & Other Planter Wheels

<p><b>13PW48STL16</b> (5203KYY3 BEARING) CATCODE: PWM005</p> <p>BORE: 16mm TYPE: SD WIDTH: 48mm SHAPE: Flat DIAMETER: 13" (330mm) WEIGHT: 3.95kg</p> 	<p><b>12PW25PLAS16</b> (5203KYY3 BEARING) CATCODE: PWM001</p> <p>BORE: 16mm TYPE: SD WIDTH: 25mm SHAPE: Rounded DIAMETER: 12" (300mm) WEIGHT: 1.55kg</p> 	<p><b>10PW25DOSSD</b> CATCODE: PWT057</p> <p>HUB16mm or HUB25mm WIDTH: 25mm SHAPE: Rounded DIAMETER: 250mm WEIGHT: 1.30kg</p> 	<p><b>10PW10DOSD</b> CATCODE: PWT001</p> <p>HUB16mm or HUB25mm WIDTH: 10mm SHAPE: Rounded DIAMETER: 250mm WEIGHT: 1.30kg</p> 
<p><b>13PW48STL16</b> CATCODE: PWM005</p> 	<p><b>12PW25PLAS16</b> CATCODE: PWM001</p> 	<p><b>10PW25DOSSD</b> CATCODE: PWT057</p> 	<p><b>13PW25DOSD</b> CATCODE: PWT073</p> <p>TYPE: SD WIDTH: 25mm SHAPE: Dome DIAMETER: 340mm WEIGHT: 2.80kg</p> 

### Hub Options:

Standard HT, Narrow HT with 40mm Round or Square Stubs (Taper Bearings).

Alloy HT to suit 16mm Bolt (Sealed Bearings)

Alloy HT with 25mm Stub (Sealed Bearings)

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# Section 5

## After Market Components



## After Market & OEM Components

Manutec has a large range of press wheel, coupler and associated components available as both after market and replacements for original OEM components. Most components can be fitted with little or no modification to the original machinery. This section provides a summary only. More detail is available online at [www.manutec.com.au](http://www.manutec.com.au) or by calling us to discuss your needs.



Manutec can also design and rapidly prototype replacement parts for machinery where replacement parts may either be unavailable or unsuitable. Manutec's OEM range of parts is growing every year and all aftermarket OEM parts delivered are designed to perform better than the original part.



The following pages list the most common machines that Manutec has parts to suit. However, we have available parts that will suit most machines and if demand is high enough we will happily custom make new parts. Below is a full list in alphabetical order of machine brands that we have fitted Manutec parts to:

AFM	GARNELLE	MULTI-PLANTER	STILETTO
AGPRO	GASON	MY GRAIN SOLUTIONS	STUBBLE KING
ARP	GESSNER INDUSTRIES	NAMOI VALLEY IMPLIMENTS	SUSTAIN AG
AUSPLOW	GOLDEN VALLEY IMPLEMENTS	NDF	TILCO
AUSTIL	GRAYTILL	NEW HOLLAND	TOOWOOMBA ENGINEERING
BARTON	GRIZZLY	OPAL ENGINEERING	WYALONG MACHINERY
BOURGAULT	GYRAL	OPTI AG SYSTEMS	
BRYEMAX	HODGE INDUSTRIES	PHILLBOURNE MANUFACTURING	
CASE	HOMAN	PHM	
CLOUGH ENGINEERING	HORWOOD BAGSHAW	PMD AUSTRALIA	
CONSERVAPAK	JADAN	PRIMARY SALES	
DAVEY GROUP	JANKE	RFM	
DAVIMAC	JOHN DEERE	ROOT BOOT	
DAYBREAK	JOHN SHEARER	RW ENGINEERING	
DBS	JUMANA ENGINEERING	SA BAR	
DELISLE ENGINEERING	KNUCKEYS	SEED HAWK	
DUNCAN	MARK HUDSON ENGINEERING	SERAFIN MACHINERY	
EQUALISER	MOOSE INDUSTRIES	SOW EZY	
EZEE-ON	MORRIS	SHARMAN	
FLEXICOIL		SIMPLICITY	
FORWARD FARMING		SMALE FARM EQUIPMENT	



## John Deere

Manutec has available a range of parts that are compatible with John Deere machines.

### MODEL JD1860, 1890 SERIES AND OTHER COMPATIBLE MACHINES

JD1860-110 - spoked 110mm Gauge Wheel  
with inbuilt Steel Scraper

JD1890-80 - spoked 80mm Gauge Wheel  
with inbuilt Steel Scraper

(See Section 4 Page 27)



### MODEL JD1730 SERIES MAXEMERGE AND COMPATIBLE MACHINES

JD1730-110 - spoked 110mm Gauge Wheel  
with hardened Rubber Lip



### MODEL JD1870 AIR DRILLS

16PW80WCSP/JD

16PW70VCSP/JD

16PW80WCSD/JD

16PW70VCSD/JD

16PW100RCSP/JD

15PW110WGSP/JD

15PW90RDSD/JD

15PW110WGSD/JD



(Other options also available see Section 4 Pages 21-24)

A new model JD1870 wheel will be available in 2019. The new model runs a single bearing, plus sealguards and spacers for direct fitment. New models with high tyre sidewalls will also be available for areas where "rooster tailing" is a problem.



### MODEL JD AIR HOE DRILL 1830, 1820

21PW100GFSD & 21PW80GFSD - 100mm & 80mm

Replacement tyres for JD1830, JD1820, also 22PW100GFSD  
replacement for Flexicoil and Bourgault Air Hoe Drills

(Also see page Section 1 Page 42

Air Hoe Drill Conversions)



### OLD MODELS

Full Press Wheel & Coulter Assemblies including:

- Walking Wheels
- Inframe Assemblies
- Gangs
- Single Assemblies

## Bourgault

### BOURGAULT MODEL 5710/5810

AIR HOE DRILL CONVERSION - See Section 1 Page 42  
(Pneumatic and solid wheel conversions available)  
New range available in 2019



### BOURGAULT MODEL 3720

MUDRAZOR gauge wheels with in built scraper system



### GANG CONVERSIONS (MODEL 8810/8910)

BOURGAULT GANGS - See Section 1 Pages 37-41  
to convert gangs on 8810/8910 floating hitch seeders  
(Also available wheel only conversions that utilise existing  
Bourgault gang axles, bearings and frames)

### BOURGAULT MODEL 5710/5810

Replacement Hoe Drill Tyres, 3" & 4" to suit Bourgault  
5710/5810 Hoe Drills  
22PW80GFSD  
22PW100GFSD



### BOURGAULT MODEL 8810/8910

PRESS WHEEL SYSTEMS - See Section 1 Pages 1-36  
After market to suit 8810/8910 floating hitch seeders



### BOURGAULT MODEL 8810/8910

COULTERS - STANDARD - See Section 2 to suit 8810/8910  
floating hitch seeders

### BOURGAULT MODEL 3320/3420

PARALLELOGRAM WHEELS - See Section 4 Page 20  
to suit Bourgault 3320/3420 Paralink drills  
Other options available using standard Manutec 15" and 16"  
wheels see Section 4 Pages 12 - 13.





## Flexi-Coil

### MODEL ST820

ST820 & Compatible models (Inc. New Holland & Case)  
GANG CONVERSIONS and complete gangs,  
to suit 7.2", 9", 10" and 12" spacings. See Section 1 Pages 27-36  
for complete gangs and Section 1 Pages 37-41 for  
gang conversions.



### MODEL ST820

#### PRESS WHEELS

Manutec also offers a range of other press wheel systems  
to suit the ST820. See Section 1 Pages 1-36

Options include:

- Walking Wheels
- Single Swivel
- Inframe Press Wheels
- Tyne Mounted Press Wheels



### MODEL ST820

#### COULTERS -STANDARD

A range of Heavy and Medium Duty Spring and Hydraulic  
Coulters are available, See Section 2



### MODEL 5000/5500 HOE DRILL

Replacement 3" and 4" tyres to suit  
22PW80GFSD  
22PW100GFSD

### MODEL 5000/5500 HOE DRILL

Air Hoe Drill Gang Conversions are now available.  
See Section 1 Page 42  
(Pneumatic and Solid wheel conversions available)



### MODEL PD5700 PRECISION AIR DRILL

#### REPLACEMENT PARALLELOGRAM WHEELS

See Section 4 Page 20

Other options available using standard Manutec 15" and 16"  
wheels. See Section 4 Pages 12 - 13



## OEM Components - Other Manufacturers

### MORRIS

- Replacement Parallelogram Wheels
- Complete Press Wheel Systems
- Gang Conversions
- Complete Coulter Systems
- Air Hoe Drill Conversions

Please call to discuss.

#### MODELS C1/C2/CX8105/QUANTUM

Replacement Parallelogram wheels  
See Section 4 Page 20

#### MODEL MAXIM II

Gang conversion (currently under development - prototype testing)  
See Section 1 Page 42

#### MODEL RAZOR

Replacement MUDRAZOR gauge wheels with in built scraper

#### MORRIS CONCEPT 2000

- Gang Conversion
  - Complete Press Wheel Systems
  - Complete Coulter Systems
- See Section 1 Page 1 - 41

### HORWOOD BAGSHAW

A range of Press Wheels and Tyres are available to suit the Horwood PSS machines. Aftermarket press wheel and coulter systems are available to suit scaribars and compact seeders.

#### SCARIBAR & COMPACT SEEDERS

- Walking Beam Press Wheels
  - Gang Press Wheels
  - Individual Press Wheels
  - Twin & Single Coulters
- See Section 1 Pages 1 - 36

### HORWOOD BAGSHAW (cont.)

#### PSS

#### WHEELS

15PW80WGSP/HB  
15PW100FLSP/HB  
15PW80WGSF/HB  
15PW75RDSP/HB  
15PWALHCENTRE  
PWAXLE/HB

#### SEALS

PWMARSEAL  
MSAHD

#### TYRES

15PW80WGSP  
15PW80WGSF  
15PW80WGSS  
15PW80WGSD  
15PW100FLSP  
15PW75RDSP

(For other tyre options see Section 6)

#### BEARINGS

PWHBNGSEALSETHD  
PWBNG/LMSETHD

#### MISC

PWDUSTCAP  
DUSTCAPCLIPS

#### WHEELS (AGRIHUB VERSION)

15PW80WGSP/ASH  
15PW100FLSP/ASH  
15PW75RDSP/ASH

(Note this wheel requires the HB agrihub press wheel arm)

#### AGRIHUB

PWHUB/AH5

(Note a new Agrihub version will be available in early 2019)





## OEM Components - Other Manufacturers

### GASON

A range of Press Wheels, Tyres and Coulter Discs are available to suit the Scaritill, Hydratill and Paramax Aftermarket Press Wheel and Coulter Systems are available to suit other GASON machines.



#### **CENTRES**

15PWALGACENTRE  
15PWALHTCENTRE  
15PWALIHCENTRE  
18PWALIHCENTRE

#### **TYRES**

15PW80WGSP  
15PW80WGSS  
15PW80WGSD  
15PW55WGSD  
15PW55WGSP  
15PW55FLSP  
15PW55FLSD  
18PW55WGSP  
18PW80WGSP

(For other tyre options see Section 6)

#### **WHEELS**

15PW55WGSD/AI  
15PW80WGSP/AI  
15PW55WGSP/AI  
15PW80WGSD/AI  
15PW55FLSP/AI  
15PW55FLSD/AI  
18PW55WGSP/AI  
18PW80WGSP/AI

#### **SEALS**

PWMARSEAL  
MSAHD

#### **BEARING SEAL SETS**

PWIHBNGSEALSET  
PWIHBSEALSET-MS (PRE 2012)

### JOHN SHEARER

A range of Press Wheels, Tyres and Discs are available to suit the Shearer Pasture Drills Aftermarket Press Wheel and coulter systems are available to suit trash-workers seeder bars and cultivators.



See Section 1 Pages 1-36 for more information, on full assembly options

#### **PASTURE DRILLS**

15PW80WGSS/AI  
15PW80WGSS  
15PWALIHCENTRE  
DDO-PLDISC (Pre 2018)  
DDO-SCDISC (Pre 2018)  
PWIHBNGSEALSET  
PWDUSTCAP  
DUSTCAPCLIPS  
MSAHD (SEAL)

#### **TRASHWORKERS/CHISEL PLOUGH/UNIVERSAL /5160/4150/TRASHCULTI DRILL/ COMBINES**

- Walking Wheel Press Wheels
  - Individual Press Wheels
  - Twin & Single Coulters
- Note: Spacings down to 5"

## OEM Components - Other Manufacturers

### CONSERVAPAK (ORIGINAL)

Replacement Press Wheels and Tyres are available to suit CONSERVAPAK machines.

16PW80WCSP/ACSB  
16PW80WGSD/ACSB  
16PW70VCSP/ACSB

See Section 6 for more information on tyre options and Section 4 Pages 18-19 for other wheel options. For John Deere 1870 see Page 2 of this section.



### DAY BREAK

Replacement Press Wheels, Discs, Gauge Wheels and Tyres are available to suit DAYBREAK machines.

#### WHEELS

15PW80WGSS/AI  
18PW100GASD/A  
15PW80WGSS  
18PW100GASD  
15PWALIHCENTRE  
18PWALIHCENTRE  
24PW125GASP/AHT



#### SEALS

PWMARSEAL (PRE 2012)  
MSAHD

#### BEARING SEAL SETS

PWIHBNGSEALSET  
PWIHBSEALSET-MS (PRE 2012)

#### DISCS

24" & 26" PLAIN DISCS

### NDF

A range of Press Wheels, Gauge Wheels and Tyres are available to suit pre 2007 model NDF planters.

#### WHEELS

15PW80WGSS/AIRD6  
18PW100GASD/AIRD

See Section 6 for more information on tyres

### AGPRO-PHM (STUBBLE KING)

A range of spare parts are available to suit AGPRO-PHM machines.

- Discs
- Springs
- Hubs
- Wheels
- Spare Parts

See Section 3 for more information on the full range of parts available.



#### DISCS

DDO-PLDISC  
DDO-SCDISC

#### SPARES

DDO-LTS  
DDO-SBHUB  
DDO-205KRP2  
13PW48SLT16  
PWBNG/16SB  
DDO-LH3/4X23/4UNF  
DDO-RH3/4X23/4UNF



New in 2019  
replacement  
Seed Meters

### EZEE-ON



- Complete Press wheel Systems
- Gang Conversions
- Complete Coulter Systems

### HODGE INDUSTRIES

- 15PW80WGSS/AIRD
- 15PW80WGSP/AIRD
- 15PW100FLSP/AIRD

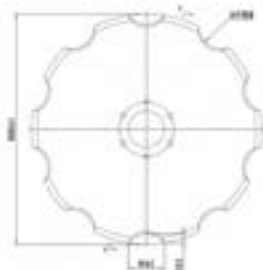
For range of tyres and discs see Section 6 and 8



## OEM Components - Other Manufacturers

### SOW-EZY

Replacement Press Wheels, Tyres and Hubs are available to suit SOW-EZY machines.



See Section 3 Page 5 for more information

### GARNELLE/BRYEMAX

Replacement Press Wheels and Tyres are available to suit GARNELLE/BRYEMAX assemblies.

15PW80WGSP/AIRD6  
15PW55WGSP/AIRD6  
15PWALIHCENTRE



Older models may have HT pattern wheels. See Section 4 Page 1 for more information on wheel and tyre options

### MULTI-PLANTER

Replacement Press Wheels and Tyres are available to suit MULTI-PLANTER machines.

#### WHEELS

18PW55FLSP/AIRD  
18PW55FLSP  
18PWALIHCENTRE

#### SEALS

PWMARSEAL (PRE 2012)  
MSAHD

Older models may have HT pattern rims.

See Section 4 Page 3 for more information on wheel and tyre options



### KNUCKEYS

Replacement Press Wheels, Tyres and Discs are available to suit KNUCKEYS machines.

18PW80WGSP/AIRD  
18PWALIHCENTRE  
18PW80WGSP  
18PW80WGSP/AIRD  
18PW55FLSP/AIRD  
18PW100FLSP  
18PW55FLSP

(Also available Agri Hub option)

See Section 4 Page 3 for more information on wheel and tyre options



### MOOSE INDUSTRIES

Replacement Press Wheels, Tyres and Discs are available to suit MOOSE INDUSTRIES assemblies.

15PWALIHCENTRE  
15PW80WGSP/AIRD6  
15PW80WGSP



See Section 4 Page 1 for more information on wheel and tyre options

### SHARMAN

Replacement Press Wheels & Tyres are available to suit older model SHARMAN assemblies gang and walking wheel assemblies.



15PW80WGSD/AIRD (Walking Wheels)  
15PW80WGSD/ANB (Gangs)

See Section 4 Page 1 for more information on wheel and tyre options

## OEM Components - Other Manufacturers

### DAVEY-AFM

Replacement Press Wheels, Tyres and Discs are available to suit DAVEY-AFM machines.



### SEED HAWK

Manutec has available wheels that can be substituted for the SEED HAWK wheel.

16PW100RCSP/AHT  
16PW100RCSS/AHT

New range available in 2019  
See Section 4 Page 20  
Please call to discuss 08 8260 2277



### HOMAN

Replacement Press Wheels and Tyres are available to suit HOMAN machines.

16PW80WGSD/AIRD  
15PWALIHCENTRE (OLD)  
16PW80WGSD  
See Section 6 Pages 1 & 2 for tyres



### PRIMARY SALES

Replacement tyres are available to suit some PRIMARY SALES rims.



See Section 6 Pages 1 & 2

### AUSTIL/SIMPLICITY

Replacement Press Wheels, Gauge Wheels, Discs and Tyres are available to suit AUSTIL machines.  
See section 4 page 28 for more information on gauge wheels.

#### WHEELS

15PW80WGSS/AISQ  
15PWALIHCENTRE  
15PW80WGSS

See sections 4 and 6 for more information on wheel and tyre options.

#### SEALS

PWMARSEAL (PRE 2012)  
MSAHD

#### BEARING SEAL SETS

PWIHBNGSEALSET  
PWIHBSEALSET-MS (PRE 2012)



### GESSNER INDUSTRIES

Replacement Press Wheels and Tyres are available to suit GESSNER INDUSTRIES assemblies.

18PW55FLSP/AIRD  
18PW55WGSP/AIRD  
18PW55WGSS/AIRD  
15PW80WGSP/AIRD  
15PW80WGSS/AIRD  
18PW55FLSP  
18PW55WGSP  
15PW80WGSP  
15PW80WGSS  
15PWALIHCENTRE  
18PWALIHCENTRE





## OEM Components - Other Manufacturers

### JANKE

Manutec has available replacement wheels that can be used as a substitute for the JANKE HT and Flange Wheels



### JADAN

- Wheels to suit (older models)
- Tyres to suit

15PW80WGSP/AIRD6  
15PW55WGSP/AIRD6  
15PW80WGSP  
15PW55WGSP



### SERAFIN

- Gauge wheels
- Closer wheels



16PW103GLSS/AHT

10PW25DOSSD

### DBS

Replacement tyres available for working in heavy soils (Hi-Flex) and also for split row & spreadrow seeding.

11PW50FLSF  
11PW115RDSS

Manutec tyres will fit directly on to DBS rims

### ARP

Replacement tyres are available to suit ARP rims.



See Section 6 Pages 1 & 2

### DAVIMAC

Replacement Press Wheels and Tyres are available to suit older model DAVIMAC machines.



### DUNCAN

Replacement Press Wheels and Tyres are available to suit DUNCAN machines.

15PW80WGSD/ASBNZ  
15PW80WGSD  
13PW48STL16



### SUSTAIN AG

Replacement Press Wheels and Tyres are available to suit SUSTAIN AG machines.

### TOOWOOMBA ENGINEERING

Replacement Press Wheels and Tyres are available to suit TOOWOOMBA ENGINEERING machines.

## Section 6

### Press Wheel Tyres



In addition to the tyres in this catalogue Manutec is able to rapidly prototype new tyres or do versions of existing tyres with different degrees of flex or hardness



## 15" Semi-Pneumatic & Hi-Flex (Nominal) Fits 11.4" Rim

<p>FITS 290mm (11.4") RIM</p> <p>SD = SOLID SP = SEMI PNEUMATIC SS = SEMI - SOLID SF = HI - FLEX</p>	<p><b>15PW55WGSP</b> CATCODE: PWT023</p> <p>TYPE: SP WIDTH: 55mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 2.24kg</p> 	<p><b>15PW55FLSP</b> CATCODE: PWT021</p> <p>TYPE: SP WIDTH: 55mm SHAPE: Flat DIAMETER: 335mm WEIGHT: 1.85kg</p> 	<p><b>15PW55DOSP</b> CATCODE: PWT019</p> <p>TYPE: SP WIDTH: 55mm SHAPE: Dome DIAMETER: 380mm WEIGHT: 2.75kg</p> 
<p><b>15PW75RDSP</b> CATCODE: PWT025</p> <p>TYPE: SP WIDTH: 75mm SHAPE: Round DIAMETER: 370mm WEIGHT: 3kg</p> 	<p><b>15PW80FLSP</b> CATCODE: PWT026</p> <p>TYPE: SP WIDTH: 80mm SHAPE: Flat DIAMETER: 340mm WEIGHT: 2.85kg</p> 	<p><b>15PW80RISP</b> CATCODE: PWT027</p> <p>TYPE: SP WIDTH: 80mm SHAPE: Ribbed DIAMETER: 380mm WEIGHT: 2.7kg</p> 	<p><b>15PW80WGSP</b> CATCODE: PWT030</p> <p>TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 3.15kg</p> 
<p><b>15PW80WGSF</b> CATCODE: PWT029</p> <p>TYPE: SF WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 2.60kg</p> 	<p><b>15PW100FLSP</b> CATCODE: PWT013</p> <p>TYPE: SP WIDTH: 100mm SHAPE: Flat DIAMETER: 360mm WEIGHT: 3.80kg</p> 	<p><b>15PW110WGSP</b> CATCODE: PWT016</p> <p>TYPE: SP WIDTH: 110mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 4kg</p> 	<p><b>15PW100FLSF</b> CATCODE: PWT068</p> <p>TYPE: SF WIDTH: 100mm SHAPE: FLAT DIAMETER: 340mm WEIGHT: 3.80kg</p> 

## 15" Solid & Semi-Solid (Nominal) Fits 11.4" Rim

<p>FITS 290mm (11.4") RIM</p> <p>SD = SOLID SP = SEMI PNEUMATIC SS = SEMI - SOLID SF = HI - FLEX</p>	<p><b>15PW55WGSD</b> CATCODE: PWT022</p> <p>TYPE: SD WIDTH: 55mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 3.25kg</p> 	<p><b>15PW55FLSD</b> CATCODE: PWT020</p> <p>TYPE: SD WIDTH: 55mm SHAPE: Flat DIAMETER: 345mm WEIGHT: 3.95kg</p> 	<p><b>15PW70VESD</b> CATCODE: PWT024</p> <p>TYPE: SD WIDTH: 70mm SHAPE: Vee DIAMETER: 380mm WEIGHT: 4.5kg</p> 
<p><b>15PW80WGSD</b> CATCODE: PWT028</p> <p>TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 4.10kg</p> 	<p><b>15PW80WGSS</b> CATCODE: PWT031</p> <p>TYPE: SS WIDTH: 80mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 4kg</p> 	<p><b>15PW90RDSD</b> CATCODE: PWT033</p> <p>TYPE: SD WIDTH: 90mm SHAPE: Round DIAMETER: 385mm WEIGHT: 5.2kg</p> 	<p><b>15PW100FLSD</b> CATCODE: PWT012</p> <p>TYPE: SD WIDTH: 100mm SHAPE: Flat DIAMETER: 360mm WEIGHT: 4.80kg</p> 
<p><b>15PW100FLSS</b> CATCODE: PWT014</p> <p>TYPE: SS WIDTH: 100mm SHAPE: Flat DIAMETER: 360mm WEIGHT: 4.80kg</p> 	<p><b>15PW110WGSD</b> CATCODE: PWT015</p> <p>TYPE: SD WIDTH: 110mm SHAPE: Wedge DIAMETER: 380mm WEIGHT: 5.25kg</p> 	<p><b>How to measure a 15" tyre</b></p>  <p>335 - 385mm Outer Diameter</p>	

## 16" Semi-Pneumatic & Solid (Nominal) Fits 11.4" Rim

FITS 290mm (11.4") RIM  SD = SOLID SP = SEMI-PNEUMATIC SS = SEMI-SOLID SF = HI-FLEX	<b>16PW70VCSD</b> CATCODE: PWT037   TYPE: SD WIDTH: 70mm SHAPE: Vee/Dome DIAMETER: 405mm WEIGHT: 4.00kg	<b>16PW70VCSP</b> CATCODE: PWT038   TYPE: SP WIDTH: 70mm SHAPE: Vee/Dome DIAMETER: 405mm WEIGHT: 3.40kg	<b>16PW80WCSD</b> CATCODE: PWT039   TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 405mm WEIGHT: 4.65kg
	<b>16PW80WCSP</b> CATCODE: PWT040   TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 405mm WEIGHT: 4kg	<b>16PW100RCSP</b> CATCODE: PWT067   TYPE: SP WIDTH: 100mm SHAPE: ROUND DIAMETER: 400mm WEIGHT: 4.60kg	<b>16PW100RCSF</b> CATCODE: PWT059   TYPE: SF WIDTH: 100mm SHAPE: ROUND DIAMETER: 400mm WEIGHT: 4kg

### How to measure a 16" tyre














## 16" Semi-Pneumatic High Sidewall Parallelogram Tyres (Fits 9.4" rim)

<b>16PW120FLSP</b> CATCODE: PWT075   TYPE: SP WIDTH: 120mm SHAPE: FLAT DIAMETER: 410mm WEIGHT: 6.3kg	<b>16PW140RDSP</b> CATCODE: PWT076   TYPE: SP WIDTH: 140mm SHAPE: ROUND DIAMETER: 390mm WEIGHT: 6.3kg	<b>16PW120RDSP</b> CATCODE: PWT077   TYPE: SP WIDTH: 120mm SHAPE: ROUND DIAMETER: 390mm WEIGHT: 5.85kg	<b>16PW120WGSP</b> CATCODE: PWT078   TYPE: SP WIDTH: 120mm SHAPE: WEDGE DIAMETER: 410mm WEIGHT: 6.2kg
<b>16PW120PRSP</b> CATCODE: PWT079   TYPE: SP WIDTH: 120mm SHAPE: PAIRED ROW DIAMETER: 430mm WEIGHT: 6.3kg	When used with the Manutec 9.4" aluminium rim these tyres can be used on Morris C1/C2, Flexicoil PD5700, Bourgault 3320/3420 and Seedhawk seed drills.		



## Gauge Wheel Tyres

<p><b>15PW115GBSD</b> CATCODE: PWT017</p> <p><b>Fits A/B</b> TYPE: SD WIDTH: 115mm SHAPE: Gauge Banked DIAMETER: 385mm WEIGHT: 6.02kg</p> 	<p><b>15PW115GLSD</b> CATCODE: PWT018</p> <p><b>Fits A/B</b> TYPE: SD WIDTH: 115mm SHAPE: Gauge Lip DIAMETER: 400mm WEIGHT: 6.18kg</p> 	<p><b>16PW110GLSD</b> CATCODE: PWT034</p> <p><b>Fits A/B</b> TYPE: SD WIDTH: 110mm SHAPE: Gauge Lip DIAMETER: 420mm WEIGHT: 6.90kg</p> 	<p><b>16PW110GLSP</b> CATCODE: PWT035</p> <p><b>Fits A/B</b> TYPE: SP WIDTH: 110mm SHAPE: Gauge Lip DIAMETER: 420mm WEIGHT: 4.45kg</p> 
<p><b>16PW110GSSD</b> CATCODE: PWT036</p> <p><b>MUD RAZOR</b> <b>Fits A/B</b> TYPE: SD (Steel Band) WIDTH: 110mm SHAPE: Gauge Lip (Steel) DIAMETER: 420mm WEIGHT: 8.15kg</p> 	<p><b>18PW100GASD</b> CATCODE: PWT045</p> <p><b>Fits C/D</b> TYPE: SD WIDTH: 100mm SHAPE: Gauge DIAMETER: 480mm WEIGHT: 7.20kg</p> 	<p><b>16PWJD80SSD</b> CATCODE: PWT063</p> <p><b>MUD RAZOR</b> <b>Fits E</b> TYPE: SD (Steel Band) WIDTH: 80mm SHAPE: Gauge Lip (Steel) DIAMETER: 355mm WEIGHT: 5.80kg</p> 	<p><b>16PWJD110SSD</b> CATCODE: PWT064</p> <p><b>MUD RAZOR</b> <b>Fits E</b> TYPE: SD (Steel Band) WIDTH: 110mm SHAPE: Gauge Lip (Steel) DIAMETER: 355mm WEIGHT: 8.50kg</p> 
<p><b>16PWJD1730-110</b> CATCODE: PWT065</p> <p><b>MUD RAZOR</b> <b>Fits F</b> TYPE: SP WIDTH: 110mm SHAPE: Gauge Lip (Rubber) DIAMETER: 355mm WEIGHT: 4.40kg</p> 	<p><b>16PWJD103SSD</b> CATCODE: PWT066</p> <p><b>MUD RAZOR</b> <b>Fits E/G</b> TYPE: SD WIDTH: 110mm SHAPE: Gauge Lip (Steel) DIAMETER: 355mm WEIGHT: 6.80kg</p> 	<p><b>24PW125GASP</b> CATCODE: PWT056</p> <p><b>Fits C</b> TYPE: SP WIDTH: 125mm SHAPE: Gauge DIAMETER: 605mm WEIGHT: 14.3kg</p> 	

### MUD RAZOR\*

The tyres above with the MUD RAZOR® markings have the unique Manutec inbuilt steel scraper that is designed to keep the discs clean and reduce plugging. All of the MUD RAZOR tyres can be fitted to one of Manutec's spoked rims which are designed to further reduce plugging.

NOTE: The PWT065 for Max Emerge has a hardened rubber lip, not steel.

### KEY

- A - AUSTIL
- B - DAVIMAC
- C - DAYBREAK
- D - NDF
- E - JOHN DEERE 1860/1890
- F - JOHN DEERE MAXEMERGE
- G - SERAFIN

## 18" Semi-Pneumatic & Hi-Flex (Nominal)

<p><b>18PW80WGSF</b> CATCODE: PWT060</p>  <p>TYPE: SF WIDTH: 80mm SHAPE: Wedge DIAMETER: 490mm WEIGHT: 3.50kg</p>	<p><b>18PW55WGSP</b> CATCODE: PWT050</p>  <p>TYPE: SP WIDTH: 55mm SHAPE: Wedge DIAMETER: 490mm WEIGHT: 3.10kg</p>	<p><b>18PW55FLSP</b> CATCODE: PWT048</p>  <p>TYPE: SP WIDTH: 55mm SHAPE: Flat DIAMETER: 430mm WEIGHT: 2.70kg</p>	<p><b>18PW80WGSP</b> CATCODE: PWT053</p>  <p>TYPE: SP WIDTH: 80mm SHAPE: Wedge DIAMETER: 490mm WEIGHT: 4.10kg</p>
<p><b>18PW100FLSP</b> CATCODE: PWT042</p>  <p>TYPE: SP WIDTH: 100mm SHAPE: Flat DIAMETER: 450mm WEIGHT: 5.00kg</p>	<p><b>18PW120FLSP</b> CATCODE: PWT046</p>  <p>TYPE: SP WIDTH: 120mm SHAPE: Flat DIAMETER: 430mm WEIGHT: 7.00kg</p>	<p><b>18PW100FLSF</b> CATCODE: PWT069</p>  <p>TYPE: SF WIDTH: 100mm SHAPE: FLAT DIAMETER: 450mm WEIGHT: 5kg</p>	<p><b>18PW110WGSP</b> CATCODE: PWT066</p>  <p>TYPE: SP WIDTH: 110mm SHAPE: WEDGE DIAMETER: 500mm WEIGHT: 5kg</p>

## 18" Solid & Semi-Solid (Nominal)







<p>FITS 390mm DIAMETER RIM</p> <p>SD = SOLID SP = SEMI-PNEUMATIC SS = SEMI-SOLID SF = HI-FLEX</p>	<p><b>18PW55WGSD</b> CATCODE: PWT057</p>  <p>TYPE: SD WIDTH: 55mm SHAPE: Wedge DIAMETER: 490mm WEIGHT: 4.16kg</p>	<p><b>18PW55WGSS</b> CATCODE: PWT051</p>  <p>TYPE: SS WIDTH: 55mm SHAPE: Wedge DIAMETER: 490mm WEIGHT: 3.80kg</p>	<p><b>18PW55FLSD</b> CATCODE: PWT047</p>  <p>TYPE: SD WIDTH: 55mm SHAPE: Flat DIAMETER: 430mm WEIGHT: 3.40kg</p>
<p><b>18PW55FLSS</b> CATCODE: PWT049</p>  <p>TYPE: SS WIDTH: 55mm SHAPE: Flat DIAMETER: 430mm WEIGHT: 3.20kg</p>	<p><b>18PW80WGSD</b> CATCODE: PWT052</p>  <p>TYPE: SD WIDTH: 80mm SHAPE: Wedge DIAMETER: 490mm WEIGHT: 5.30kg</p>	<p><b>18PW80WGSS</b> CATCODE: PWT054</p>  <p>TYPE: SS WIDTH: 80mm SHAPE: Wedge DIAMETER: 490mm WEIGHT: 4.90kg</p>	<p><b>18PW100FLSD</b> CATCODE: PWT041</p>  <p>TYPE: SD WIDTH: 100mm SHAPE: Flat DIAMETER: 450mm WEIGHT: 7.10kg</p>
<p><b>18PW100FLSS</b> CATCODE: PWT043</p>  <p>TYPE: SS WIDTH: 100mm SHAPE: Flat DIAMETER: 450mm WEIGHT: 5.80kg</p>	<p><b>18PW100FRSD</b> CATCODE: PWT044</p>  <p>TYPE: SD WIDTH: 100mm SHAPE: Flat Ribbed DIAMETER: 450mm WEIGHT: 7.50kg</p>	<p><b>18PW110WGSD</b> CATCODE: PWT067</p>  <p>TYPE: SD WIDTH: 110mm SHAPE: WEDGE DIAMETER: 500mm WEIGHT: 6.6kg</p>	<p><b>18PW120FLSD</b> CATCODE: PWT068</p>  <p>TYPE: SD WIDTH: 120mm SHAPE: FLAT DIAMETER: 450mm WEIGHT: 7.30kg</p>













## 15", 16" & 18" Tyres To Suit Split Row & Spread Seeding

Manutec has available a range of tyres to suit commonly available splitter boots and spreader boots.





### 2"-3" Split/Spread

15PW75RDSP 	15PW80WGSP 15PW80WGSS 15PW80WGS 15PW80WGSF 	16PW80WCSP 16PW80WCSD 	15PW80FLSP 
18PW80WGSP 18PW80WGSS 	15PW90RDSD 		









### 3"-4" Split/Spread

15PW100FLSP 15PW100FLSD 	15PW110WGSP 15PW110WGS 	18PW100FLSP 18PW100FLSD 	18PW110WGSP 18PW110WGS 
16PW100RCSP 	16PW100RCSP 	16PW100RCSS 16PW120RDSP  	16PW120PRSP 16PW120FLSP  

### 4" + Split/Spread

15PW110WGSP 15PW110WGS 	18PW110WGSP 18PW110WGS 	18PW120FLSP 18PW120FLSS 16PW140RDSP  	11PW115RDSS 12PW135RDSP <b>DBS</b>
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## OEM Tyres

<p><b>21PW100GFSD</b> CATCODE: PWT055</p> <p>TYPE: SD  WIDTH: 100mm * Suits John Deere Air Hoe Drills SHAPE: Gauge Flat DIAMETER: 515mm WEIGHT: 7.10kg OEM: JOHN DEERE</p>	<p><b>24PW125GASP</b> CATCODE: PWT056</p> <p>TYPE: SP  WIDTH: 125mm SHAPE: Gauge DIAMETER: 515mm WEIGHT: 11.48kg OEM: DAYBREAK</p>	<p><b>21PW80GFSD</b> CATCODE: PWT070</p> <p>TYPE: SD  WIDTH: 80mm * Suits John Deere Air Hoe Drills SHAPE: FLAT DIAMETER: 515mm WEIGHT: 5.30kg OEM: JOHN DEERE</p>	
<p><b>11PW50FLSF</b> CATCODE: PWT071</p> <p>TYPE: SF  WIDTH: 50mm SHAPE: Wedge DIAMETER: 280mm WEIGHT: 2.0kg OEM: DBS</p>	<p>← MUD TYRE FOR DBS</p> <p>SPLIT/SPREAD SEED TYRES FOR DBS →</p>	<p><b>11PW115RDSS</b> CATCODE: PWT072</p> <p>TYPE: SS  WIDTH: 115mm SHAPE: Round DIAMETER: 11" WEIGHT: 3.90kg OEM: DBS</p>	<p><b>12PW135RDSP</b> CATCODE: PWT</p> <p>TYPE: SP  WIDTH: 135mm SHAPE: Round DIAMETER: 12" WEIGHT: 4.40kg OEM: DBS</p>
<p><b>22PW100GFSD</b> CATCODE: PWT074</p> <p>TYPE: SD  WIDTH: 100mm SHAPE: Flat DIAMETER: 560mm WEIGHT: 7.20kg OEM: FLEXICOIL/BOURGAULT</p>	<p><b>22PW80GFSD</b> CATCODE: PWT</p> <p>TYPE: SD  WIDTH: 80mm SHAPE: Flat DIAMETER: 560mm WEIGHT: 6.5kg OEM: FLEXICOIL/BOURGAULT</p>		

NOTE: Manutec tyres can also be fitted to the following OEM rims:

- ARP
- Primary Sales\*
- Jadan
- Gessner/Walker
- Sharman
- NDF

\*For Primary Sales rims an additional ring insert is required

The above OEM tyres are designed to fit directly to the original equipment rims. The Manutec tyres are not exactly the same shape or composition as the original tyres as the Manutec tyres have been designed to solve particular problems or to provide additional capability.



## Planter Wheel Tyres

<p>SD = SOLID SP = SEMI-PNEUMATIC SS = SEMI-SOLID SF = HI-FLEX</p>	<p><b>10PW10DOSD</b> CATCODE: PWT001</p> <p>TYPE: SD WIDTH: 10mm SHAPE: Dome - 10mm DIAMETER: 250mm WEIGHT: 1.3kg</p> 	<p><b>10PW25DOSD</b> CATCODE: PWT002</p> <p>TYPE: SD WIDTH: 25mm SHAPE: Dome - 25mm DIAMETER: 250mm WEIGHT: 1.85kg</p> 	<p><b>12PW25RDSD</b> CATCODE: PWT003</p> <p>TYPE: SD WIDTH: 25mm SHAPE: Round DIAMETER: 300mm WEIGHT: 0.68kg</p> 
<p><b>12PW35TASD</b> CATCODE: PWT004</p> <p>TYPE: SD WIDTH: 35mm SHAPE: Tapered - NODET DIAMETER: 300mm WEIGHT: 0.84kg</p> 	<p><b>13PW48SRSD</b> CATCODE: PWT007</p> <p>TYPE: SD WIDTH: 48mm SHAPE: Round DIAMETER: 315mm WEIGHT: 1.46kg</p> 	<p><b>10PW25DOSSD</b> CATCODE: PWT061 (STEEL INSERT)</p> <p>TYPE: SD WIDTH: 25mm SHAPE: Dome DIAMETER: 250mm WEIGHT: 1.85kg</p> 	<p><b>13PW70FLSP</b> CATCODE: PWT062</p> <p>TYPE: SP WIDTH: 70mm SHAPE: FLAT DIAMETER: 320mm WEIGHT: 2.80kg</p> 
<p><b>13PW50FLSP</b> CATCODE: PWT008</p> <p>TYPE: SP WIDTH: 50mm SHAPE: Flat DIAMETER: 330mm WEIGHT: 3.05kg</p> 	<p><b>13PW75FLSP</b> CATCODE: PWT009</p> <p>TYPE: SP WIDTH: 75mm SHAPE: Flat DIAMETER: 330mm WEIGHT: 3.05kg</p> 	<p><b>13PW25FLSP</b> CATCODE: PWT006</p> <p>TYPE: SP WIDTH: 25mm SHAPE: Flat DIAMETER: 340mm WEIGHT: 3.05kg</p> 	<p><b>13PW100DOSP</b> CATCODE: PWT005</p> <p>TYPE: SP WIDTH: 100mm SHAPE: Dome DIAMETER: 340mm WEIGHT: 3.95kg</p> 
<p><b>13PW25DOSD</b> CATCODE: PWT073 (STEEL INSERT)</p> <p>TYPE: SD WIDTH: 25mm SHAPE: DOME DIAMETER: 340mm WEIGHT: 2.8kg</p> 	<p><b>13PW90FLSS</b> CATCODE: PWT080</p> <p>TYPE: SS WIDTH: 90mm SHAPE: FLAT DIAMETER: 320mm WEIGHT: 3kg</p> 	<p><b>13PW70FLSS</b> CATCODE: PWT081</p> <p>TYPE: SS WIDTH: 70mm SHAPE: FLAT DIAMETER: 320mm WEIGHT: 2.80kg</p> 	

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# Section 7

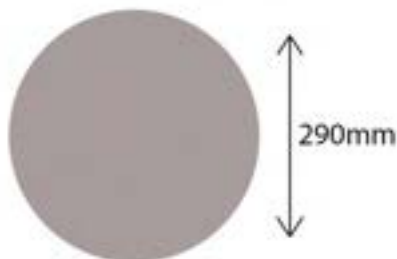
## Wheel Centres & Axle Components



## 15" & 16" Press Wheel Centres / Rims

<b>15PWALIHCENTRE(OLD)</b> CATCODE: PWC010-OLD TYPE: INTEGRAL DIAMETER: 290mm WEIGHT: 3.10kg SUITS: 15" & 16" Tyres MATERIAL: Aluminium Pre 2012 Models (Recessed Seal) 	<b>15PWALFLCENTRE</b> CATCODE: PWC031 TYPE: FLANGE Bearings DIAMETER: 290mm WEIGHT: 2.77kg SUITS: 15" & 16" Tyres MATERIAL: Aluminium 	<b>15PWALGACENTRE</b> CATCODE: PWC008 TYPE: GASON DIAMETER: 290mm WEIGHT: 2.48kg SUITS: 15" & 16" Tyres MATERIAL: Aluminium 	<b>15PWALHTCENTRE</b> CATCODE: PWC009 TYPE: HT/HT/AGRIHUB DIAMETER: 290mm WEIGHT: 2.40kg SUITS: 15" & 16" Tyres MATERIAL: Aluminium 
<b>15PWALIHCENTRE</b> CATCODE: PWC010 TYPE: IH (LM Bearings) DIAMETER: 290mm WEIGHT: 3.10kg SUITS: 15" & 16" Tyres MATERIAL: Aluminium 	<b>15PWALIHFEMALE</b> CATCODE: PWC011 TYPE: IH DIAMETER: 290mm WEIGHT: 1.30kg SUITS: 15" & 16" Tyres MATERIAL: Aluminium 	<b>15PWALIHMALE</b> CATCODE: PW012 TYPE: IH (LM Bearings) DIAMETER: 290mm WEIGHT: 2.00kg SUITS: 15" & 16" Tyres MATERIAL: Aluminium 	<b>15PWALNBCENTRE</b> CATCODE: PWC013 TYPE: NB (Bush) DIAMETER: 290mm WEIGHT: 3.35kg SUITS: 15" & 16" Tyres MATERIAL: Aluminium 
<b>15PWALIHMALE(OLD)</b> CATCODE: PWC012-(OLD) TYPE: INTEGRAL DIAMETER: 290mm WEIGHT: 2kg SUITS: 15" & 16" Tyres MATERIAL: Aluminium Pre 2012 Models (Recessed Seal) 	<b>15PWALCACENTRE</b> CATCODE: PWC007 TYPE: CONSERVAPAK DIAMETER: 290mm WEIGHT: 3.5kg SUITS: 15" & 16" Tyres MATERIAL: Aluminium Suits original Conservapak 	<b>15PWGASBCENTRE</b> CATCODE: PWC016 TYPE: SB DIAMETER: 290mm WEIGHT: 3.62kg SUITS: 15" & 18" Tyres MATERIAL: Galvanised Steel 	<b>15PWPCHTCENTRE</b> CATCODE: PWC017 TYPE: HT DIAMETER: 290mm WEIGHT: 5.50kg SUITS: 15" Gauge Tyre MATERIAL: Powder Coated Steel 
<b>15PWALSBCENTRE (NEW)</b> CATCODE: PWC014 TYPE: SB (6205-2RS) DIAMETER: 290mm WEIGHT: 3.5kg SUITS: 15" & 16" Tyres MATERIAL: Aluminium 	<b>15PWALJDCENTRE</b> CATCODE: PWC029 TYPE: JD1870 DIAMETER: 290mm WEIGHT: 4kg SUITS: 15" & 16" Tyres MATERIAL: Aluminium 	<b>15PWALSHCENTRE</b> CATCODE: PWC030 TYPE: AGRIHUB DIAMETER: 290mm WEIGHT: 2.8kg SUITS: 15" & 16" Tyres MATERIAL: Aluminium 	<b>16PWALFCENTRE</b> CATCODE: PWC038 TYPE: FORD/HT/AGRIHUB DIAMETER: 240mm WEIGHT: 2.8kg SUITS: 16" Para Tyres MATERIAL: Aluminium 
<b>15PWALNZCENTRE</b> CATCODE: PWC040 TYPE: SB DIAMETER: 290mm WEIGHT: 2.9kg SUITS: 15" & 16" Tyres MATERIAL: Aluminium 			

How to identify an 15" rim



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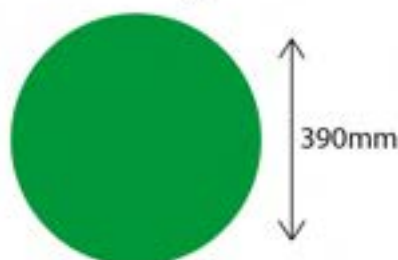
## 18" Press Wheel Centres / Rims

<b>18PWALHTCENTRE</b> CATCODE: PWC019 TYPE: HT/FORD/AGRIHUB DIAMETER: 390mm WEIGHT: 4.65kg SUITS: 18" Tyre MATERIAL: Aluminium 	<b>18PWALIHCENTRE</b> CATCODE: PWC020 TYPE: IH DIAMETER: 390mm WEIGHT: 5.30kg SUITS: 18" Tyre MATERIAL: Aluminium 	<b>18PWALIHFEMALE</b> CATCODE: PWC021 TYPE: IH DIAMETER: 390mm WEIGHT: 2.75kg SUITS: 18" Tyre MATERIAL: Aluminium 	<b>18PWALIHMALE</b> CATCODE: PWC022 TYPE: IH DIAMETER: 390mm WEIGHT: 2.90kg SUITS: 18" Tyre MATERIAL: Aluminium 
<b>18PWALNBCENTRE</b> CATCODE: PWC025 TYPE: NB DIAMETER: 390mm WEIGHT: 5.40kg SUITS: 18" Tyre MATERIAL: Aluminium 	<b>18PWALSBCENTRE</b> CATCODE: PWC026 TYPE: SB DIAMETER: 390mm WEIGHT: 5.1kg SUITS: 18" Tyre MATERIAL: Aluminium 	<b>18PWALBGCENTRE</b> CATCODE: PWC039 TYPE: BOURGALT DIAMETER: 390mm WEIGHT: 5.6kg SUITS: 18" Tyre MATERIAL: Aluminium 	
<b>18PWALSHCENTRE</b> CATCODE: PWC033 TYPE: AGRIHUB DIAMETER: 390mm WEIGHT: 5.6kg SUITS: 18" Tyre MATERIAL: Aluminium 	<b>18PWALIHMALE(OLD)</b> CATCODE: PWC022-OLD TYPE: INTEGRAL DIAMETER: 390mm WEIGHT: 2.9kg SUITS: 18" Tyre MATERIAL: Aluminium Pre 2012 Model (Recessed Seal) 	<b>18PWALIHCENTRE(OLD)</b> CATCODE: PWC020-OLD TYPE: INTEGRAL DIAMETER: 390mm WEIGHT: 5.3kg SUITS: 18" Tyre MATERIAL: Aluminium Pre 2012 Model (Recessed Seal)  	

## 12", 13", 16" & 24" Press Wheel Centres / Rims

<b>12PWPLCENTRE</b> CATCODE: PWC002 TYPE: SB DIAMETER: 274mm WEIGHT: 0.36kg SUITS: 12" Press Wheel MATERIAL: Reinforced Poly 	<b>13PWALHTCENTRE</b> CATCODE: PWC004 TYPE: HT/AGRIHUB DIAMETER: 245mm WEIGHT: 1.9kg SUITS: 13" Tyre MATERIAL: ALU HT 	<b>13PWPCCENTRE</b> CATCODE: PWC005 TYPE: SB DIAMETER: 272mm WEIGHT: 1.05kg SUITS: 13" Press Wheel MATERIAL: Powder Coated Steel 	<b>16PWALHTCENTRE</b> CATCODE: PWC018 TYPE: HT/AGRIHUB DIAMETER: 337mm WEIGHT: 4.65kg SUITS: 16" Tyre MATERIAL: Aluminium Centre 
<b>24PWPCHTCENTRE</b> CATCODE: PWC027 TYPE: HT WEIGHT: 11.50kg SUITS: 24" Gauge Wheels MATERIAL: Powder Coated Steel 	<b>KEY:</b> IH - Integral SB - Sealed Bearing NB - Nylon Bush PL - Plastic SH - Agrihub HT - HT (5 Stud) PC - Powder Coat AL - Aluminium		
<b>JD1860-CENTRE</b> CATCODE: PWC034 TYPE: HT/FORD/AGRIHUB DIAMETER: 340mm WEIGHT: 4.6kg SUITS: 16" Gauge Tyre MATERIAL: Aluminium 	<b>JD1890-CENTRE</b> CATCODE: PWC035 TYPE: HT/FORD/AGRIHUB DIAMETER: 350mm WEIGHT: 3.7kg SUITS: 16" Gauge Tyre MATERIAL: Aluminium 	<b>JD1730-CENTRE</b> CATCODE: PWC037 TYPE: HT/FORD/AGRIHUB DIAMETER: 340mm WEIGHT: 4.85kg SUITS: 16" Gauge Tyre MATERIAL: Aluminium 	<b>16PWALSPKCENTRE</b> CATCODE: PWC036 TYPE: HT/FORD/AGRIHUB DIAMETER: 337mm WEIGHT: 4.8kg SUITS: 16" Gauge Tyre MATERIAL: Aluminium 

How to identify an 18" rim



## Press Wheel Axles

### 40mm Round Integral Axles



Code	CATCODE	Description	LOA
PWAXLE/IH10RD	PAX014	Rnd Stub Axle 10" to suit Integral Hub	260mm
PWAXLE/IH12RD	PAX015	Rnd Stub Axle 12" to suit Integral Hub	275mm
PWAXLE/IH5RD	PAX016	Rnd Stub Axle 5" to suit Integral Hub	150mm
PWAXLE/IH6RDSL	PAX017	Rnd Stub Axle 6.5" to suit Integral Hub Slotted	165mm
PWAXLE/IH6RDSLCOMP	PAX018	Rnd Stub Axle 6.5" to suit Integral Hub Slotted complete with seals	165mm
PWAXLE/IH7.5RD	PAX021	Rnd Stub Axle 7.5" to suit Integral Hub	190mm
PWAXLE/IH8RD	PAX022	Rnd Stub Axle 8" to suit Integral Hub	205mm
PWAXLE/IH8RDSL	PAX023	Rnd Stub Axle 8" to suit Integral Hub Slotted	205mm
PWAXLE/IH8RDSLCOMP	PAX024	Rnd Stub Axle 8" to suit integral Hub Complete with seals, bearings etc	205mm
PWAXLE/IH9RD	PAX025	Rnd Stub Axle 9" to suit Integral Hub	230mm
PWAXLE/IH9RDCOMP	PAX026	Rnd Stub Axle 9" to suit integral Hub Complete with seals etc	230mm
PWAXLE/IHDE	PAX029	Rnd Stub Axle Double ended to suit integral Hub	MTO
PWAXLE/IHDECOMP	PAX030	Rnd Stub Axle Double ended to suit integral Hub Complete	MTO
PWAXLE/HDTC10	PAX054	Rnd Stub Axle 10" to suit Heavy Duty Coupler	172mm
PWAXLE/HDTC12	PAX055	Rnd Stub Axle 12" to suit Heavy Duty Coupler	197mm
PWAXLE/HB	PAX057	Rnd Stub Axle 8" to suit Horwood Bagshaw	PSS

### 40mm Square Integral Axles



Code	CATCODE	Description	LOA
PWAXLE/IH9SQ	PAX027	SQ Stub Axle 9" to suit Integral Hub	230mm
PWAXLE/IH9SQCOMP	PAX028	SQ Stub Axle 9" to suit integral Hub Complete with seals	230mm

### 40mm Round HT Axles



Code	CATCODE	Description	LOA
PWAXLE/HT6RD	PAX005	Rnd Stub Axle 6 to suit HT Hub	165mm
PWAXLE/HT6RDCOMP	PAX006	Rnd Stub Axle 6 to suit HT Hub Complete with seals, bearings etc	165mm
PWAXLE/HT8RD	PAX009	Rnd Stub Axle 8 to suit HT Hub	205mm
PWAXLE/HT9RD	PAX010	Rnd Stub Axle 9 to suit HT Hub	230mm
PWAXLE/HT9RDCOMP	PAX011	Rnd Stub Axle 9 to suit HT Hub Complete with seals, bearings etc	230mm

A complete range of 39mm Round HT Axles & stubs are available in the Manutec Trailer Parts Catalogue.

### 40mm Square HT Axles



Code	CATCODE	Description	LOA
PWAXLE/HT6SQ	PAX007	SQ Stub Axle 6 to suit HT Hub	165mm
PWAXLE/HT6SQCOMP	PAX008	SQ Stub Axle 6 to suit HT Hub Complete with seals	165mm
PWAXLE/HT9SQ	PAX012	SQ Stub Axle 9 to suit HT Hub	230mm
PWAXLE/HT9SQCOMP	PAX013	SQ Stub Axle to suit HT Hub Complete with seals	230mm

A complete range of 40mm, 45mm & 50mm Square Axles & Stub Axles are available in the Manutec Trailer Parts Catalogue.



## SH Axles

Code	CATCODE	Description
PWAXLE/SH6RD	PAX044	Agri Hub cam style axle to suit single assemblies
PWAXLE/SH9RD	PAX059	Agri Hub cam style axle to suit twin assemblies
PWAXLE/HDTC12-AH	PAX077	Agri Hub cam style axle to suit twin HD coulters



## Double Ended Axles

Code	CATCODE	Description
PWAXLE/IH6RDDE	PAX072	Double ended integral axle to suit 6" spacings
PWAXLE/IH7RDDE	PAX073	Double ended integral axle to suit 7" spacings
PWAXLE/IH9RDDE	PAX074	Double ended integral axle to suit 9" spacings
PWAXLE/IH10RDDE	PAX075	Double ended integral axle to suit 10" spacings
PWAXLE/IH12RDDE	PAX076	Double ended integral axle to suit 12" spacings



## Slim Line SH Axles

LOA(mm)	Code	CATCODE	Description
122	PWAXLE/SAHRM	PAX084	Slim Line Agri Hub Axle to suit Single Rear Mount Assembly
132	PWAXLE/SAH5/10	PAX085	Slim Line Agri Hub Axle to suit Walking Wheel 5" & 10" spacing
157	PWAXLE/SAH7/12	PAX086	Slim Line Agri Hub Axle to suit Walking Wheel 7" & 12" spacing
170	PWAXLE/SAH8/13	PAX087	Slim Line Agri Hub Axle to suit Walking Wheel 8" & 13" spacing
182	PWAXLE/SAH9/14	PAX088	Slim Line Agri Hub Axle to suit Walking Wheel 9" & 14" spacing
145	PWAXLE/SAH6/11	PAX089	Slim Line Agri Hub Axle to suit Walking Wheel 6" & 11" spacing

## Heavy Duty Coultter Axles

Code	CATCODE	Description
PWAXLE/HDTC9	PAX078	
PWAXLE/HDTC10	PAX079	
PWAXLE/HDTC12	PAX080	
PWAXLE/HDTC13	PAX081	
PWAXLE/HDTC14	PAX082	
PWAXLE/HDTC12-AH	PAX083	

## Gang Axles

SEE SECTION 1 PAGE 33

## Trailer Axles & Stubs

A full range of trailer axles & stubs is available in the following sizes **SEE SECTION 10**



## OEM Axles

Code	CATCODE	Description	LOA
PWAXLE/HB	PAX003	Rnd Stub Axle 8 suit Integral Hub (Horwood Bagshaw)	185mm
PWAXLE/HOMAN	PAX004	Rnd Stub HOMAN Axle to suit Integral Hub	190mm
PWAXLE/SAG	PAX035	Rnd Stub Axle Sustain Ag	160mm



## Agricultural HT Pattern Hubs



Code	CATCODE	Description
PWHTH-S/G	PAX038	Holden HT Hub Galv (No Grease Nipple) (Hub only)
PWHTH-S/GRD	PAX039	P/Wheel Holden HT Hub - Rnd Stub Axle Complete (Galv) with seals, etc
PWHTH-S/GSQ	PAX040	P/Wheel Holden HT Hub - SQ Stub Axle Complete (Galv) with seals, etc
PWHTH-S/SGN	PAX041	Holden HT Hub (Grease Nipple) (Hub only)
PWHTH-S/SGNRD	PAX042	P/Wheel Holden HT Hub - Rnd Stub Axle Complete (Grease Nipple) with seals, etc
PWHTH-S/SGNSQ	PAX044	P/Wheel Holden HT Hub - SQ Axle Complete (Grease Nipple) with seals, etc
PWIHH-S/G	PAX052	Integral Hub Stand Alone (Hub only)

**A complete range of Trailer hubs is available  
in the Manutec Trailer Parts Catalogue.**



## Planter Wheel Axles

Code	CATCODE	Description	LOA
PWAXLE/LH	PAX031	Rnd 16mm LH Stub Axle to suit planter hubs	85mm
PWAXLE/LH14MM	PAX032	Rnd LH Stub to suit planter hubs - 14mm	80mm
PWAXLE/RH	PAX033	Rnd 16mm RH Stub Axle to suit planter hubs	85mm
PWAXLE/RH14MM	PAX034	Rnd RH Stub Axle to suit planter hubs - 14mm	80mm
PWAXLE/25MM	PAX002	Rnd Stub Axle 25mm to suit planter hubs	120mm
PWSBAXLE-3/4	PAX056	Rnd Stub Axle to suit planter hubs - 3/4	120mm

## Planter Wheel Hubs



Code	CATCODE	Description
PWHTHUB-N	PAX045	Planter Hub - Suit JD - No Axle - No Bearing - Single bearing type
PWHTHUB16	PAX046	Planter Hub - HT pattern to suit 16mm bolt - Double bearing type
PWHTHUB25	PAX047	Planter Hub - HT pattern to suit 25mm axle - Double bearing type
PWHTHUB 25NB	PAX048	Planter Hub - HT Pattern to suit 25mm axle - No bearing - Double bearing type
JDHUB-5203S	PAX067	Planter Hub - HT Pattern to suit 16mm bolt (steel) - Includes 5203 bearing
JDHUB-5203S-NB	PAX068	Planter Hub - HT Pattern to suit 16mm bolt (steel) - No bearing
JDHUB-5203A	PAX070	Planter Hub - HT Pattern to suit 16mm bolt (aluminium) Includes 5203 bearing
JDHUB-5203A-NB	PAX084	Planter Hub - HT Pattern to suit 16mm bolt (aluminium) - No bearing
HUB-5203A-NB	PAX085	Planter Hub - HT Pattern to suit 16mm bolt (aluminium) - No bearing
HUB-5203A	PAX086	Planter Hub - HT Pattern to suit 16mm bolt (aluminium) - Includes 5203 bearing
JDHUB5205-A	PAX087	Planter Hub - HT Pattern to suit 16mm bolt (aluminium) - Includes 5205 bearing
PWHTHUB-JD25	PAX088	Planter Hub - HT Pattern to suit 125mm axle (aluminium) - Includes 5205 bearing





## Agri Hubs

<p><b>PWHUB/AH5</b> CATCODE: PBS051</p> <p>Agri Hub 5 Stud (5 x 98mm)</p>  <p>SEALED FOR LIFE HUB</p>	<p><b>PWAXLE/SH9RD</b> CATCODE: PAX059</p> <p>Round Stub Axle to suit Agri Hub Length: 154mm (Standard Version PWHUB/AH5)</p> 	<p><b>PWHUB/AHSA</b> CATCODE: PBS057</p> <p>Slimline Agrihub 5 Stud (5x108)</p> <p>SEALED FOR LIFE HUB</p> 	<p><b>PWSHI-4H</b> CATCODE: POC008</p> <p>Sealed Hub insert - 4 Hole</p> 	<p><b>PWSHI-5H</b> CATCODE: POC009</p> <p>Sealed Hub insert - 5 Hole (5 x 98mm)</p> 
<p><b>15PWALSHCENTRE</b> CATCODE: PAX062</p> <p>Aluminium Centre for Sealed Agri Hub to suit 15" tyre</p> 	<p><b>18PWALSHCENTRE</b> CATCODE: PWC041</p> <p>Aluminium Centre for Sealed Agri Hub to suit 18" tyre</p> 	<p><b>PWSH/M22X1.5</b> CATCODE: PNB033</p> <p>M22 Nut for Agri Hubs.</p> 	<p><b>BOLTM12X1.25X40</b> CATCODE: PNB034</p> <p>M12 (1.25) Bolt &amp; Spring Washer for Agri Hubs.</p> 	
<p><b>PWAXLE/SH6RD</b> CATCODE: PAX055</p> <p>Stub axle to suit Agri Hub Length: 116mm</p> 	<p><b>PWHUB/AH-HT</b> CATCODE: PBS053</p> <p>Agri Hub 5 Stud HT (5 x 108mm)</p> 	<p><b>PWSHI-5HT</b> CATCODE: POC010</p> <p>Agri Hub Insert HT (5 x 108mm)</p> 	<p><b>BOLTM12X1.25X35</b></p> <p><b>BOLTM12X1.25X25</b></p> <p><b>BOLTM12X1.25X20</b></p>	

## John Deere Hubs and other planter hubs

<p><b>JDHUB-5203S-NB</b> CATCODE: PAX066</p> <p>Steel JD Hub 5203 BNG No Bearing No Axle, suits 16mm 5/8 bolt axle.</p> 	<p><b>JDHUB-5203S</b> CATCODE: PAX067</p> <p>Steel JD Hub 5203 BNG Incl. Bearing No Axle, suits 16mm 5/8 bolt axle.</p>  <p>SEALED FOR LIFE BEARING</p>	<p><b>JDHUB-5203-NB</b> CATCODE: PAX068</p> <p>Aluminium JD Hub 5203 BNG No Bearing No Axle, single bearing type, suits 16mm 5/8 bolt axle.</p> 	<p><b>JDHUB-5205-A</b> CATCODE: PAX069</p> <p>Aluminium Hub to suit 5205 bng - Includes bearing</p> 
<p><b>PWBNG/16SB-HD</b> CATCODE: PBS052</p> <p>16mm Encased Roller Bearing Heavy Duty</p>  <p>SEALED FOR LIFE BEARING</p>	<p><b>PWBNG/52052RS-J</b> CATCODE: PSB023</p> <p>25mm Sealed Bearing (52052RS) Japanese - suits planter hubs.</p> 	<p><b>JDHUB-5203A</b> CATCODE: PAX070</p> <p>Aluminium JD Hub 5203 BNG Incl. Bearing No Axle, single bearing type, suits 16mm 5/8 bolt axle. SEALED FOR LIFE BEARING</p> 	<p><b>JDHUB-5205-A-NB</b> CATCODE: PAX071</p> <p>Aluminium Hub to suit 5205 bng - No bearing</p> 
<p><b>HUB-5203A-NB</b> CATCODE: PAX087</p> <p>Aluminium Hub to suit 5203 bearing. No bearing Suits 16mm axle</p> 	<p><b>HUB-5203A</b> CATCODE: PAX086</p> <p>Aluminium Hub to suit 5203 bearing. Includes bearing Suits 16mm axle SEALED FOR LIFE BEARING</p> 	<p><b>NOTE: Manutec only uses high quality bearings in these hubs</b></p>	

# Bearings

<p><b>PWIHBNGSEALSET</b> CATCODE: PBS039</p>  <p>Bearings, Seal, - Dust Cap Set Suits Integral &amp; HT</p>	<p><b>PWIHBNGSEALSETHD</b> CATCODE: PBS040</p>  <p>Bearings, Seals, Nuts - Dust Cap Set for Integral Hub (Heavy Duty) Suits Integral &amp; HT</p>	<p><b>PWIHBSEALSET-MS</b> CATCODE: PBS041</p>  <p>Bearings, Triple Seal, - Dust Cap Set for Integral Hub Suits Integral &amp; HT</p>	<p><b>PWMARSEAL</b> CATCODE: PBS042</p>  <p>Triple Lip Marine Seal - Stainless Wear Ring (to suit Integral Hub and HT Hub) Suits Integral &amp; HT</p>
<p><b>PWCUP/LMSET</b> CATCODE: PBS031</p>  <p>LM Cup Set (to suit Integral Hub and HT Hub) Suits Integral &amp; HT</p>	<p><b>PWBNG/LMSETHD</b> CATCODE: PBS029</p>  <p>LM Bearing Set (to suit Integral Hub and HT Hub) Heavy Duty Suits Integral &amp; HT</p>	<p><b>PWCUP/LMSETHD</b> CATCODE: PBS032</p>  <p>LM Cup Set (to suit Integral Hub and HT Hub) Heavy Duty Suits Integral &amp; HT</p>	<p><b>LM11910</b> CATCODE: PBS005</p>  <p>Small LM Cup - A type Suits Integral &amp; HT</p>
<p><b>LM11949</b> CATCODE: PBS007</p>  <p>Small LM Taper Bearing - A type Suits Integral &amp; HT</p>	<p><b>LM67010</b> CATCODE: PBS011</p>  <p>Large LM Cup - A type Suits Integral &amp; HT</p>	<p><b>LM67048</b> CATCODE: PBS013</p>  <p>Large LM Taper Bearing - A type Suits Integral &amp; HT</p>	<p><b>LM11910HD</b> CATCODE: PBS006</p>  <p>Small LM Cup Heavy Duty Suits Integral &amp; HT</p>
<p><b>LM11949HD</b> CATCODE: PBS008</p>  <p>Small LM Taper Bearing Heavy Duty Suits Integral &amp; HT</p>	<p><b>LM67010HD</b> CATCODE: PBS012</p>  <p>Large LM Cup Heavy Duty Suits Integral &amp; HT</p>	<p><b>LM67048HD</b> CATCODE: PBS014</p>  <p>Large LM Taper Bearing Heavy Duty Suits Integral &amp; HT</p>	<p><b>PWBNG/16SB-HD</b> CATCODE: PBS052</p>  <p>16mm Encased Roller Bearing SEALED FOR LIFE BEARING</p>
<p><b>PWBNG/25SB-J</b> CATCODE: PBS019-J</p>  <p>25mm Sealed Bearing (to suit 15 - 18 Sealed Bearing Press Wheels) Suits SB/ConservaPak Wheels</p>	<p><b>PWBNG/25SB-LC</b> CATCODE: PBS020</p>  <p>25mm Sealed Bearing - Locking Collar (to suit 15 - 18 Sealed Bearing Press Wheels) Suits SB Wheels</p>	<p><b>PWBNG/32NB</b> CATCODE: PBS021</p>  <p>1 1/4 (32mm) Nylon Bush (to suit 18 Nylon Bush Press Wheel) Suits 18" Gang Wheels</p>	<p><b>PWBNG/52052RS</b> CATCODE: PBS022</p>  <p>25mm Sealed Bearing (52052RS) suits planter hubs Suits 13" HT Planter Wheels</p>
<p><b>PWBNG/52052RS-J</b> CATCODE: PBS023</p>  <p>25mm Sealed Bearing (52052RS) - Japanese suits planter hubs Suits 13" HT Planter Wheels</p>	<p><b>PWBNG/F</b> CATCODE: PBS024</p>  <p>Pillow Block Bearing (32mm) To Suit Mount Gangs Suits Press Wheel Gangs</p>	<p><b>PWBNG/FH</b> CATCODE: PBS025</p>  <p>Pillow Block Bearing Housing (Cast Steel) To Suit Mount Gangs Suits Press Wheel Gangs</p>	<p><b>PWBNG25NB</b> CATCODE: PBS030</p>  <p>25mm Nylon Bush (to suit 15 Nylon Bush Press Wheel) Suits 15" Gang Wheels</p>



## Bearings

<p>PWBNG/204-012-HD CATCODE: PBS049</p> 	<p>PWBNG/FY504-HD CATCODE: PBS050</p> <p>504 Series 4 hole Square Flange Heavy Duty (to suit Flange Press Wheels)</p> 	<p>PWHUB/AH5 CATCODE: PBS051</p> <p>5 Stud Agri Hub (5x98)</p>  <p>SEALED FOR LIFE HUB</p>	<p>PWBNG/16SB-HD CATCODE: PBS052</p> <p>16mm Encased Roller Bearing Heavy Duty</p>  <p>SEALED FOR LIFE BEARING</p>
<p>DDO-205KRP2 CATCODE: PSP006</p> <p>Bearing to suit Double Disc Opener.</p> 	<p>PWBNG/52052RS-J CATCODE: PBS023</p> <p>25mm Sealed Bearing (52052RS) Japanese - suits Planter Hubs</p> 	<p>PWHUB/AH-HT CATCODE: PBS053</p> <p>5 stud Agrihub (5x108)</p>  <p>SEALED FOR LIFE HUB</p>	<p>PWHUB/AHSA CATCODE: PBS057</p> <p>Slimline Agrihub 5 stud (5x108)</p>  <p>SEALED FOR LIFE HUB</p>
<p>PWHDC/60082RS CATCODE: PCO281</p> <p>HD Coulters Swivel Bearings</p> 	<p>MLMA-J</p> <p>Japanese Type A Bearing Set</p>  <p>Suits Integral Hub &amp; Holden Hub Press Wheels</p>	<p>MLMA</p> <p>Chinese Type A Bearing Set</p>  <p>Suits Integral Hub &amp; Holden Hub Press Wheels</p>	

## Dust Caps

<p>PWDUSTCAP CATCODE: PBS033</p>  <p>Galv Dust Cap 1.75 Suits Integral/HT Hub</p>	<p>DUSTCAPCLIPS CATCODE: PBS001</p>  <p>Dust Cap Clips Suits Integral</p>	<p>PWHUB25DC CATCODE: PBS037</p>  <p>Dust Cap to suit HTSBHUB25 Suits 25mm Planter Hub</p>	<p>PWSAHDC CATCODE: PBS060</p>  <p>Zinc Dust Cap to suit Slim Line Agri Hub</p>
<p>PWSHI-4H CATCODE: POC008</p>  <p>4x98 Agrihub Cover plate</p>	<p>PWSHI-5H CATCODE: POC009</p>  <p>5x98 Agrihub Cover plate</p>	<p>PWSHI-5HT CATCODE: POC010</p>  <p>5x108 Agrihub Cover plate</p>	<p>PWSHI-5HTSA CATCODE: POC011</p>  <p>5x108 Slimline Agrihub Cover plate</p>

## Seals

### MSAHD-OLD

CATCODE:

(OLD MODEL)  
(PRE 2019)Seal A TYPE Heavy Duty  
Suits Integral/HT Hub

### MR41

CATCODE: PBS015

R41 Retaining Compound -  
50ml Holdtite Brand  
Suits Integral/HT Hub

### PWHUB25SEAL

CATCODE: PBS038

Seal to suit HTSBHUB25  
Suits 25mm Hubs Planter

### PWMARSEAL

CATCODE: PBS042

Triple Lip Marine Seal -  
Stainless Wear Ring  
Suits Integral/HT Hub (Old model)

### PWQUADSEAL

CATCODE: PBS043

Quad Lip Seal  
Suits Integral/HT Hub

### PWSTAINLESSRING

CATCODE: PBS046

Stainless Steel Ring for Triple  
Lip Seal  
Suits 25mm Planter Hubs

### PWTRIPLESEAL

CATCODE: PBS047

Triple Lip Seal  
Suits Integral/HT Hub

### PWSEAL30X52X07

CATCODE: PBS048

JD1870 and SB PW Seal  
30 x 52 x 07

### SEALAPP

CATCODE: PWA006



### MSAHD

CATCODE: PBS056  
(NEW MODEL 2019)Seal A TYPE Heavy Duty  
Suits Integral

### PWSEAL28X47X7

CATCODE: PBS044

Oil seal for aluminium sealed  
bearing hubs

### PWMSEAL25X52X05

CATCODE: PBS054

Metal seal for JD1870  
press wheel

### MSAHD-WASHER

CATCODE: PBS058

Washer to be used with  
older model press wheel

### JDSHIMM-1MM

CATCODE: PBS059

1mm Hardened  
Shim (16mm ID)

### PWCS48688

CATCODE: PBS044



Oil seal for HD coultter swivels

### JDSHIM25

CATCODE: PBS061

1mm Shim 25mm OD  
17mm ID

## Miscellaneous

### PWBNG/GRSS

CATCODE: PBS027

Bearing Packer - Small Taper  
Bngs

### PWDCAPP

CATCODE: PWA004



Dust Cap Applicator

### PWBNG/GRSL

CATCODE: PBS026

Bearing Packer - Large Taper  
Bngs



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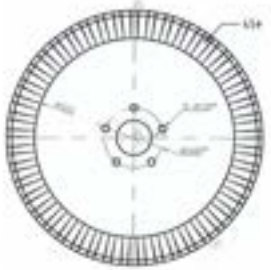

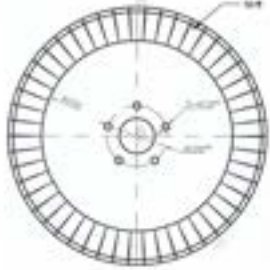
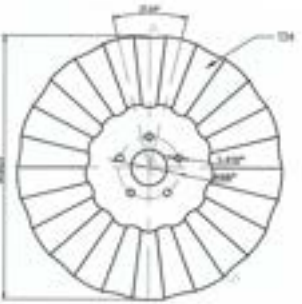
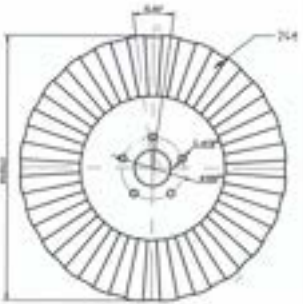

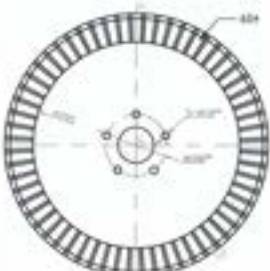



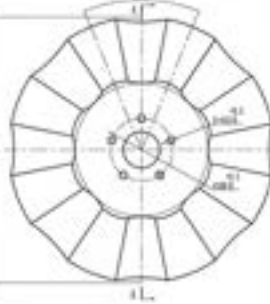
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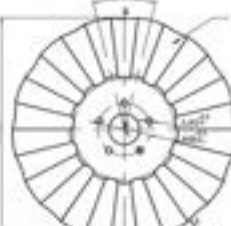











## Section 8 Discs











## Coulter Discs - Now available with Zero Maintenance Agri Hub Options

<p><b>CD16DBPHT</b> CATCODE: PCO001</p>  <p><b>DIAMETER:</b> 16" <b>PATTERN:</b> HT (5 x 108mm) <b>TYPE:</b> DB Plain <b>THICKNESS:</b> 4mm</p>	<p><b>CD16FHT</b> CATCODE: PCO002</p>  <p><b>DIAMETER:</b> 16" <b>PATTERN:</b> HT (5 x 108mm) <b>TYPE:</b> DB Fluted <b>THICKNESS:</b> 4mm</p>	<p><b>CD18DBPHT</b> CATCODE: PCO003</p>  <p><b>DIAMETER:</b> 18" <b>PATTERN:</b> HT (5 x 108mm) <b>TYPE:</b> DB Plain <b>THICKNESS:</b> 4mm</p> <p><i>*Note 1</i></p>	<p><b>CD18FHT</b> CATCODE: PCO004</p>  <p><b>DIAMETER:</b> 18" <b>PATTERN:</b> HT (5 x 108mm) <b>TYPE:</b> DB Fluted <b>THICKNESS:</b> 4mm</p>
<p><b>CD18WV13HT</b> CATCODE: PCO007</p>  <p><b>DIAMETER:</b> 18" <b>PATTERN:</b> HT (5 x 108mm) <b>TYPE:</b> DB 13 x Wavy <b>THICKNESS:</b> 4mm</p>	<p><b>CD18WV24HT</b> CATCODE: PCO008</p>  <p><b>DIAMETER:</b> 18" <b>PATTERN:</b> HT (5 x 108mm) <b>TYPE:</b> DB 24 x Wavy <b>THICKNESS:</b> 4mm</p>	<p><b>CD20DBPHT</b> CATCODE: PCO009</p>  <p><b>DIAMETER:</b> 20" <b>PATTERN:</b> HT (5 x 108mm) <b>TYPE:</b> DB Plain <b>THICKNESS:</b> 5mm</p> <p><i>*Note 3</i></p>	<p><b>CD20FHT</b> CATCODE: PCO010</p>  <p><b>DIAMETER:</b> 20" <b>PATTERN:</b> HT (5 x 108mm) <b>TYPE:</b> DB Fluted <b>THICKNESS:</b> 5mm</p>
<p><b>CD14RWHT</b> CATCODE: PCO239</p>  <p><b>DIAMETER:</b> 18" <b>PATTERN:</b> HT (5 x 108mm) <b>TYPE:</b> Trash Wheel <b>THICKNESS:</b> 10mm</p>	<p><b>CD18STHT</b> CATCODE: PCO322</p>  <p><b>DIAMETER:</b> 18" <b>PATTERN:</b> HT (5 x 108mm) <b>TYPE:</b> DB - X - Wave <b>THICKNESS:</b> 4mm</p>	<p><b>CD18THT</b> CATCODE: PCO006</p>  <p><b>DIAMETER:</b> 18" <b>PATTERN:</b> HT (5 x 108mm) <b>TYPE:</b> DB Wavy Coulter <b>THICKNESS:</b> 4mm</p>	<p><b>CD18WV8HT</b> CATCODE: PCO321</p>  <p><b>DIAMETER:</b> 18" <b>PATTERN:</b> HT (5 x 108mm) <b>TYPE:</b> DB 8 x Wavy <b>THICKNESS:</b> 4mm</p>

<p><b>DDO-PLDISC</b> CATCODE: PSP027</p>  <p>JOHN SHEARER STUBBLE KING</p> <p>DIAMETER: 15" PATTERN: 6 x 76.2mm TYPE: SB PLAIN THICKNESS: 4mm</p>	<p><b>DDO-SCDISC</b> CATCODE: PSP036</p>  <p>JOHN SHEARER STUBBLE KING</p> <p>DIAMETER: 22" PATTERN: 6 x 76.2mm TYPE: Scalloped Disc THICKNESS: 5mm</p>	<p><b>CD18SBPHT</b> CATCODE: PCO005</p>  <p>DIAMETER: 18" PATTERN: HT (5 x 108mm) TYPE: SB Plain THICKNESS: 5mm</p>	<p><b>CD20SBPHT</b> CATCODE: PCO319</p>  <p>DIAMETER: 20" PATTERN: HT (5 x 108mm) TYPE: DB Plain THICKNESS: 6mm</p>
<p><b>CD22WV13HT</b> CATCODE: PCO304</p>  <p>DIAMETER: 18" PATTERN: HT (5 x 108mm) TYPE: DB 13 x Wavy THICKNESS: 4mm</p>	<p><b>DDO-PLDISC-6</b> CATCODE: PSP120</p>  <p>STUBBLE KING</p> <p>DIAMETER: 15" PATTERN: 6 x 76.2mm TYPE: SB PLAIN THICKNESS: 6mm</p>	<p><b>DDO-SCDISC-6</b> CATCODE: PSP110</p>  <p>STUBBLE KING</p> <p>DIAMETER: 15" PATTERN: 6 x 76.2mm TYPE: Scalloped Disc THICKNESS: 6mm</p>	<p><b>JDDISC18X6</b> CATCODE: PCO294</p>  <p>JOHN DEERE</p> <p>DIAMETER: 18" PATTERN: 4 x 111.5mm TYPE: SB Plain THICKNESS: 6mm</p>
<p><b>JDDISC18X5</b> CATCODE: PCO293</p>  <p>JOHN DEERE</p> <p>DIAMETER: 18" PATTERN: 4 x 111.5mm TYPE: SB Plain THICKNESS: 5mm</p>	<p><b>CD20SB6-AH5</b> CATCODE: PCO317</p>  <p>DIAMETER: 20" PATTERN: 5 x 98mm (SKF) TYPE: SB Plain THICKNESS: 6mm</p>	<p><b>CD20SB8-AH5</b> CATCODE: PCO318</p>  <p>DIAMETER: 20" PATTERN: 5 x 98 (SKF) TYPE: SB Plain THICKNESS: 8mm</p>	<p><b>CD20SBPHT-1/2</b> CATCODE: PCO320</p>  <p>DIAMETER: 20" PATTERN: HT (5x108mm) TYPE: SB Plain THICKNESS: 6mm</p>
<p><b>CD26SBP-4X127</b> CATCODE: PCO307</p>  <p>DAYBREAK</p> <p>DIAMETER: 26" PATTERN: 4 x 27mm TYPE: SB Plain THICKNESS: 6mm</p>	<p><b>CD24SBP-4X127</b> CATCODE: PCO306</p>  <p>DAYBREAK</p> <p>DIAMETER: 24" PATTERN: 4 x 127mm TYPE: SB Plain THICKNESS: 6mm</p>	<p><b>DDO-PLEZY</b> CATCODE: PCO324</p>  <p>SOW EZY</p> <p>DIAMETER: 15" PATTERN: 6 x 90mm TYPE: SB Plain THICKNESS: 4mm</p>	<p><b>DDO-SCEZY</b> CATCODE: PCO325</p>  <p>SOW EZY</p> <p>DIAMETER: 15" PATTERN: 6 x 90mm TYPE: SB Scalloped THICKNESS: 4mm</p>



## Plough Discs

<p><b>CD22SCDISH5MM</b> CATCODE: PCO011</p>  <p><b>*Note 2</b> DIAMETER: 22" PATTERN: 4 x 137mm TYPE: Scalloped Dish THICKNESS: 5mm</p>	<p><b>CD22SCDISH6MM</b> CATCODE: PCO303</p>  <p><b>*Note 2</b> DIAMETER: 22" PATTERN: 4 x 137mm TYPE: Scalloped Dish THICKNESS: 6mm</p>	<p><b>CD28SCDISH-6</b> CATCODE: PCO309</p>  <p>DIAMETER: 28" PATTERN: 6 x 185 x 22 x 100 TYPE: Scalloped Dish THICKNESS: 6mm</p>	<p><b>CD28SCDISH-8</b> CATCODE: PCO310</p>  <p>DIAMETER: 28" PATTERN: 6 x 185 x 22 x 100 TYPE: Scalloped Dish THICKNESS: 8mm</p>
<p><b>CD24SCDISH6MM</b> CATCODE: PCO011</p>  <p>DIAMETER: 24" PATTERN: 4 x 137mm TYPE: Scalloped Dish THICKNESS: 6mm</p>	<p><b>*Notes:</b></p> <ul style="list-style-type: none"> <li>• Also available in 5mm and 6mm to suit 1/2" studs</li> <li>• Also available in HT pattern to suit AgriHubs (Zero maintenance)</li> <li>• Also available to suit 1/2" studs</li> </ul> 		

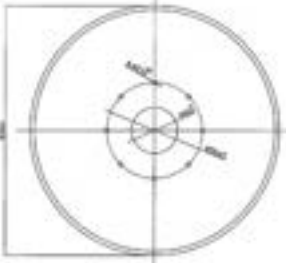
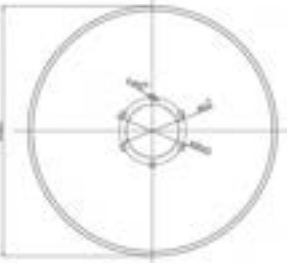
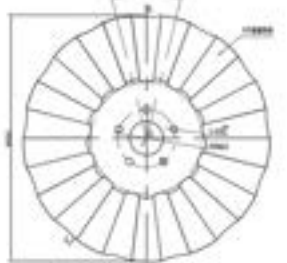
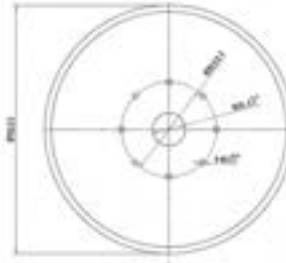
## Zero Maintenance Disc Hubs

Manutec now has available Zero Maintenance fully sealed hubs for use with all HT pattern discs.



Manutec can make discs to order to suit new or to improve existing applications. We also have access to a large range of other OEM discs through our supply network.

## Other Miscellaneous Discs

<p><b>CD30DB8X292</b> CATCODE: PCO312</p>  <p>DIAMETER: 30" PATTERN: 8 X 292 X 12.5mm TYPE: DB Plain THICKNESS: 10mm</p>	<p><b>CD30DB6X205</b> CATCODE: PCO311</p>  <p>DIAMETER: 30" PATTERN: 6 x 205mm TYPE: DB Plain THICKNESS: 10mm</p>	<p><b>CD26WV13HT</b> CATCODE: PCO308</p>  <p>DIAMETER: 26" PATTERN: HT 5 x 108mm TYPE: Wavy (13) THICKNESS: 6mm</p>	<p><b>CD30DBP-8X292</b> CATCODE: PCO323</p>  <p>DIAMETER: 30" PATTERN: 8 x 292 x 12mm TYPE: DB Plain THICKNESS: 8mm</p>
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## Coulter Cheeks

<p><b>PWCOULCHEEK12</b> CATCODE: PCO013</p>  <p>DIAMETER: 12" X 2" PATTERN: HT (5 x 108)</p>	<p><b>PWCOULCHEEK14</b> CATCODE: PCO014</p>  <p>DIAMETER: 14" X 2" PATTERN: HT (5 x 108)</p>	<p><b>CDDRUM12X3</b> CATCODE: PCO315</p>  <p>DIAMETER: 12" X 3" PATTERN: HT (5 x 108)</p>
<p><b>CDDRUM12</b> CATCODE: PCO314</p>  <p>DIAMETER: 12" X 2" PATTERN: HT (5 x 108)</p>	<p><b>CDDRUM11X3</b> CATCODE: PCO313</p>  <p>DIAMETER: 11" X 3" PATTERN: HT (5 x 108)</p>	



## Coulter Hubs

<p><b>PWHTH-S/SGNRD</b> CATCODE: PAX042</p>  <p>P/Wheel Holden H.T. Hub - Rnd Stub Axle, Complete(Grease Nipple) with seals</p>	<p><b>PWHTH-S/SGNSQ</b> CATCODE: PAX044</p>  <p>P/Wheel Holden H.T. Hub - SQ Stub Axle, Complete(Grease Nipple) with seals</p>	<p><b>PWCOULTHUBCOMP</b> CATCODE: PCO034</p>  <p>Coulter Hub- Axle- Bearings- Seals etc</p>	
<p><b>DDO-DBHUB</b> CATCODE: PSP012</p>  <p>Double Bearing Hub DR169M Suits Double Disc Opener</p>	<p><b>DDO-SBHUB</b> CATCODE: PSP033</p>  <p>Single Bearing Hub DR168M Suits Double Disc Opener</p>	<p><b>PWHUB/AHSA</b> CATCODE: PBS057</p> 	<p><b>PWHUB/AH5</b> CATCODE: PBS051 5x98 Agrihub</p>  <p><b>PWHUB/AH-HT</b> CATCODE: PBS053 5x108 Agrihub</p> 

## Overcaps

<p><b>PWOCAP/HT60</b> CATCODE: POC005</p>  <p>Galvanised Steel Overcap 60mm deep. 5 x 108 stud pattern to suit HT</p>	<p><b>PWOCAP/HT80</b> CATCODE: POC006</p>  <p>Galvanised Steel Overcap 80mm deep. 5 x 108 stud pattern to suit HT</p>	<p><b>PWOCAP/BMW60</b> CATCODE: POC001</p>  <p>Galvanised Steel Overcap 60mm deep. 4 x 100 stud pattern</p>	
<p><b>PWOCAP/FORD70</b> CATCODE: POC003</p>  <p>Galvanised Steel Overcap 70mm deep. 5 x 114.3 stud pattern to suit Ford</p>	<p><b>PWOCAPIH</b> CATCODE: POC007</p>  <p>Galvanised Steel Overcap to suit Integral Hub</p>	<p><b>PWSHI-4H</b> CATCODE: POC008</p>  <p>4x98 Agrihub Cover plate</p>	<p><b>PWSHI-5H</b> CATCODE: POC009</p>  <p>5x98 Agrihub Cover plate</p>
		<p><b>PWSHI-5HT</b> CATCODE: POC010</p>  <p>5x108 Agrihub Cover plate</p>	<p><b>PWSHI-5HTSA</b> CATCODE: POC011</p>  <p>5x108 Slimline Agrihub Cover plate</p>

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# Section 9

## Ubolts & Pins



## Ubolts

### UBOLT3X3

#### U-Bolt 3" (Zinc Plated)

For use with U Bolt swivel bracket. To suit 3" x 2" draw bar



### UBOLT3X3GALV

#### U-Bolt 3" (Galvanised)

For use with U Bolt swivel bracket. To suit 3" x 2" draw bar. Nuts/spring washers included



### UBOLT4X3

#### U-Bolt 4" (Zinc Plated)

For use with U Bolt swivel bracket. To suit 4" x 2" draw bar



### UBOLT4X3GALV

#### U-Bolt 4" (Galvanised)

For use with U Bolt swivel bracket. To suit 4" x 2" draw bar. Nut/spring washers included



### UBOLT3X4

#### U-Bolt 3" (Zinc Plated)

For use with U Bolt swivel bracket. To suit 3" x 3" draw bar



### UBOLT3X4GALV

#### U-Bolt 3" (Galvanised)

For use with U Bolt swivel bracket. To suit 3" x 3" draw bar. Nut/spring washers included



### UBOLT-SPRWHL

#### U-Bolt - Spare Wheel (Zinc Plated)

Designed for fixing spare wheel to draw bar.



### UBOLT150X90

#### U-Bolt " (Zinc Plated)

150mm x 90mm



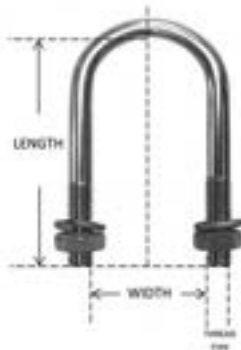
For more information on Ubolts, please contact Manutec on: **(08) 8260 2277**





## Suspension Ubolts

### Round Ubolts 1/2"



LENGTH	WIDTH		
	39mm (RD)	45mm (RD)	50mm (RD)
4"	UBOLT39X4RD	-	-
4.5"	UBOLT39X4.5RD	UBOLT45X4.5RD	UBOLT50X4.5RD
5"	UBOLT39X5RD	UBOLT45X5RD	UBOLT50X5RD
5.5"	UBOLT39X5.5RD	UBOLT45X5.5RD	-
6"	-	UBOLT45X6RD	UBOLT50X6RD
6.5"	-	-	-
7"	-	-	UBOLT50X7RD

### Square Ubolts 1/2"



LENGTH	WIDTH		
	40mm (SQ)	45mm (SQ)	50mm (SQ)
4"	-	-	-
4.5"	UBOLT40X4.5SQ	-	UBOLT50X4.5SQ
5"	UBOLT40X5SQ	UBOLT45X5SQ	UBOLT50X5SQ
5.5"	UBOLT40X5.5SQ	UBOLT45X5.5SQ	-
6"	-	UBOLT45X6SQ	UBOLT50X6SQ
6.5"	-	-	UBOLT50X6.5SQ
7"	-	-	UBOLT50X7SQ

### Square & Round Ubolts - Heavy Duty 5/8"



LENGTH	WIDTH			
	40mm (SQ)	45mm (SQ)	50mm (SQ)	65mm (SQ)
6"	-	UBOLT45X6SQ58	UBOLT50X6SQ58	UBOLT65X7RD58
6.5"	-	UBOLT45X6.5SQ58	UBOLT50X6.5SQ58	-
7"	-	-	-	-

### Identify Ubolt For Spring Kit

AXLE + SPRING DEPTH (LEAF THICKNESS X NO. OF LEAVES) + 50mm  
(add 50mm extra to allow for nut to be secure on Ubolt) = formula will give value in *millimetres*

TO CONVERT TO INCHES ÷ 25.4

#### EXAMPLE

If Ubolts are required for SPRING: 7mm, 9 leaf. AXLE: square 50mm:

$50$  (axle) +  $63$  ( $7 \times 9$ ) +  $50$  (extra 50mm) =  $163\text{mm} \div 25.4 = 6.41$

6 1/2" Ubolt required

## Agricultural Ubolts

<p><b>PWUBOLT/25x60</b> U-Bolt 25 x 60 x 12.5 (Nylocs)</p> 	<p><b>PWUBOLT/25X100</b> U-Bolt 25 x 100 x 12.5 (Nylocs)</p> 	<p><b>PWUBOLT/30x100</b> U-Bolt 30 x 100 x 12.5 (Nylocs)</p> 	<p><b>PWUBOLT/40x100</b> U-Bolt 40 x 100 x 12.5 (Nylocs)</p> 
<p><b>PWUBOLT/50x60</b> U-Bolt 50 x 60 x 12.5 (Nylocs)</p> 	<p><b>PWUBOLT/50X85</b> U-Bolt 50 x 85 x 12.5(Nylocs)</p> 	<p><b>PWUBOLT/50X125</b> U-Bolt 50 x 125 x 12.5 (Nylocs)</p> 	<p><b>PWUBOLT/50X185</b> U-Bolt 50 x 185 x 12.5(Nylocs)</p> 
<p><b>PWUBOLT/80x105HD</b> U-Bolt 80 x 105 x 20 (Nylocs)</p> 	<p><b>PWUBOLT/80x115</b> U-Bolt 80 x 115 x 16 (Nylocs)</p> 	<p><b>PWUBOLT/105X125HD</b> U-Bolt 105 x 125 x 20 (Nylocs)</p> 	<p><b>PWUBOLT/105x145</b> U-Bolt 105 x 145 x 16 (Nylocs)</p> 
<p><b>PWSEEDUBOLTSQ</b> Ubolts for Adjustable Seed Tube Connecting Arms. 45 x 65 x 13</p> 	<p><b>PWSEEDUBOLT</b> Ubolts for Seed Boot Tube Connecting Arms. 45 x 70 x 13</p> 	<p><b>PWSEEDUBOLT100</b> 100mm UBolt for Seed Boot Tube Connecting Arm. 50 x 100 x 15</p> 	<p><b>PWUBOLT/HARROW</b> U-Bolt to suit Harrow Arms 75 x 140 x 16</p> 
<p><b>PWUBOLT/80x90</b> U-Bolt 80 x 90 to suit Gang (Nylocs)</p> 	<p><b>PWUBOLT/GANG</b> U-Bolt 100 x 100 x 19 to suit Gang Mounting Brackets</p> 	<p><b>PWUBOLT/SHEARER</b> U-Bolt 100 x 100 x 16 Diamond Back to suit Shearer</p> 	<p><b>PWBRACKET-SHEARER</b> Bracket to suit Shearer Bar</p> 






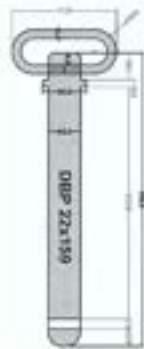
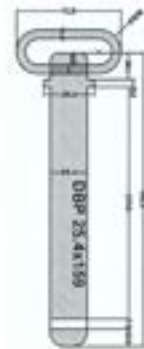



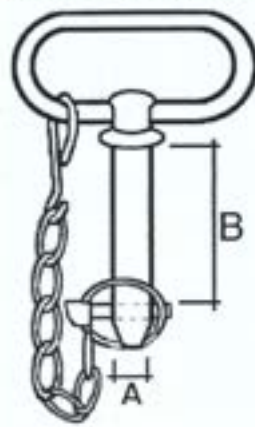


## Agricultural Ubolts

<p><b>PWUBOLT/3X3-HT</b> High Tensile Ubolt (16mm)</p> 	<p><b>PWUBOLT/3X3HD-HT</b> High Tensile Ubolt (20mm)</p> 	<p><b>PWUBOLT/4X4-HT</b> High Tensile Ubolt (16mm)</p> 	<p><b>PWUBOLT/4X4HD-HT</b> High Tensile Ubolt (20mm)</p> 
<p><b>PWUBOLT/105X100HD</b> 105x100x20mm suits 4x3 section</p> 	<p><b>PWUBOLT/80X75HD</b> 80x75x20mm suits 3x2 section</p> 	<p><b>PW3X4SP-20</b> 3x4 shackle plate and bolt (20mm) suits 3x4 section</p> 	<p><b>PW3X4SP-16</b> 3x4 shackle plate and bolt suits 3x4 section (16mm)</p> 
<p><b>PW3SP-16</b> Shackle plate set to suit 3x3 (75x75) - 16mm</p> 	<p><b>PW4SP-16</b> Shackleplate set to suit 4x4 (100x100) - 16mm</p> 	<p><b>PW3SP-20</b> Shackle plate set to suit 3x3 (75x75) - 20mm</p> 	<p><b>PW4SP-20</b> Shackle plate set to suit 4x4 (100x100) - 20mm</p> 
<p><b>PW3X3X3SP</b> Shackle plate &amp; bolts to suit 3x3 to 3x3 join - 20mm</p> 	<p><b>PW4X12SP</b> Shackle plate 4" to suit 20mm bolts</p> 	<p><b>PW3X12SP</b> Shackle plate 3" to suit 20mm bolts</p> 	<p><b>PW3X3X4SP</b> Shackle plate &amp; bolts to suit 3x3 to 4x4 join - 20mm</p> 




## Draw Bar Pins

<p><b>DBP12X110</b></p>  <p>Draw Bar Pin 12 x 110 Includes chain &amp; springclip Coating: Gold Zinc Weight: 0.15kg</p>	<p><b>DBP16X98</b></p>  <p>Draw Bar Pin 16 x 98 (<math>\frac{5}{8}</math>"") Includes chain &amp; springclip Coating: Gold Zinc Weight: -</p>	<p><b>DBP16X187</b></p>  <p>Draw Bar Pin 16 x 187 Includes chain &amp; springclip Coating: Gold Zinc Weight: 0.40kg</p>	<p><b>DBP19X98</b></p>  <p>Draw Bar Pin 19 x 98 (<math>\frac{3}{4}</math>"") Includes chain &amp; springclip Coating: Gold Zinc Weight: 0.50kg</p>
<p><b>DBP20X230</b></p>  <p>Draw Bar Pin 20 x 230 Includes chain &amp; springclip Coating: Gold Zinc Weight: 0.85kg</p>	<p><b>DBP22X159</b></p>  <p>Draw Bar Pin 22 x 159 (<math>\frac{7}{8}</math>"") Includes chain &amp; springclip Coating: Gold Zinc Weight: 0.85kg</p>	<p><b>DBP25.4X159</b></p>  <p>Draw Bar Pin 25.4 x 159 (1") Includes chain &amp; springclip Coating: Gold Zinc Weight: 1.0kg</p>	<p><b>DBP25.4X183</b></p>  <p>Draw Bar Pin 25.5 x 183 (1") Includes chain &amp; springclip Coating: Gold Zinc Weight: 1.10kg</p>
<p><b>DBP28.6X184</b></p>  <p>Draw Bar Pin 28.6 x 184 (<math>1\frac{1}{8}</math>"") Includes chain &amp; springclip Coating: Gold Zinc Weight: 1.35kg</p>	<p><b>DBP32X184</b></p>  <p>Draw Bar Pin 32mm x 184mm (<math>1\frac{1}{4}</math>"") Includes chain &amp; springclip Coating: Gold Zinc Weight: 1.5kg</p>	<p><b>SELECTED DRAW BAR PINS COME WITH CHAIN &amp; SPRINGCLIP</b></p>  <p>For more information about Draw Bar Pins call us on (08) 8260 2277</p>	



## Assembly Pins

<p><b>PWTYNEFIXPIN</b> CATCODE: PSP061</p>  <p>Size: 19mm x 95mm Fixed Tyne Mount Swivel Pin</p>	<p><b>PWTYNEPIN</b> CATCODE: PSP063</p>  <p>Size: 19mm x 120mm Tyne Mount Swivel Pin</p>	<p><b>PWGANGQRPIN</b> CATCODE: PMG152</p>  <p>Size: 25mm x 130mm Pin for Quick Release Gang Mounting Arms</p>	<p><b>PWMAP6</b> CATCODE: PMG171</p>  <p>Size: 20mm x 200mm Gang Mounting Arm Bracket Pin</p>
<p><b>PWFOLDPIN</b> CATCODE: PWA033</p>  <p>10mm x 90mm</p>	<p><b>DBP-MPBA</b></p>  <p>Draw Bar Pin Poly Block Adaptor</p>	<p><b>OZHCONPIN</b></p>  <p>Ozhitch Connector Pin</p>	

## Extension Arms & Toolbars

See Section 1, pages 43-45 for our range of extension arms and plates for setting up new toolbars



# Section 10 Trailer Components



Manutec PTY LTD  
30 Jonal Drive  
CAVAN SA 5094

[www.manutec.com.au](http://www.manutec.com.au)  
Ph. (08) 8260 2277  
Fax. (08) 8260 2399



## Heavy Duty Components

### ASSW-HD

Heavy Duty Adjustable Stand (Side Winding)

**Outer Tube:**

80mm x 80mm x 4mm

**Inner Tube:**

70mm x 70mm x 4mm

**Closed Height:** 580mm

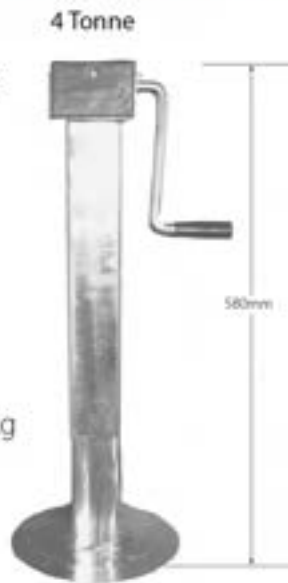
**Lift:** 310mm

**Static Load Capacity:** 4000kg

**Drive Ratio:** 2.5:1

**Finish:** Black Paint

**Unit Weight:** 15.0kg



### ASSW-DLHD

Heavy Duty Adjustable Stand (Side Winding) w/ Drop Leg

**Outer Tube:** 80mm x 80mm x 4mm

**Inner Tube:** 70mm x 70mm x 4mm

**Drop Leg:** 60mm x 60mm

**Closed Height:** 650mm

**Lift:** 240mm

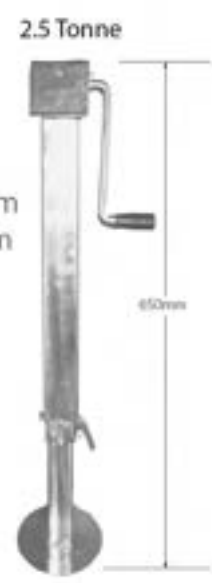
**Leg Extension:** 280mm

**Static Load Capacity:** 2500kg

**Drive Ratio:** 2.5:1

**Finish:** Zinc

**Unit Weight:** 18.3kg



### ASSW-H

Heavy Duty Adjustable Stand (Side Winding)

**Outer Tube:**

70mm x 70mm x 4mm

**Inner Tube:**

60mm x 60mm x 4mm

**Lift:** 350mm

**Unit Weight:** 12.8kg

**Static Load Capacity:** 2000kg



### ASSW-DL

Heavy Duty Adjustable Stand (Side Winding) w/ Drop Leg

**Outer Tube:**

70mm x 70mm x 4mm

**Inner Tube:**

60mm x 60mm x 4mm

**Drop Leg:**

50mm x 50mm x 3mm

**Lift:** 350mm

**Unit Weight:** 11.6kg

**Static Load Capacity:** 1500kg



### AS-MTHD

Heavy Duty Mounting Tubes (swivel) for Adjustable Stands

**Unit Weight:** 1.75kg

**Static Load Capacity:** 4000kg



### AS-HDSB1

Pin Locking Swivel Bracket for Heavy Duty (ASSW-H/ASS-DL) Adjustable Stands

**Unit Weight:** 4.9kg

**Static Load Capacity:** 2000kg

*Suits 70mm x 70mm outer tube. To suit ASSW-H & ASSW-DL*



## Heavy Duty Components

### FORD PATTERN

Item Code	PCD	Studs	Bearings	Features
MHF5	4.5"	5 x 1/2" UNF	-	Cast
MHF5G	4.5"	5 x 1/2" UNF	-	Galvanised
MHF5A	4.5"	5 x 1/2" UNF	MLMA	Cast
MHF5A-J	4.5"	5 x 1/2" UNF	MLMA-J	Cast
MHF5GA	4.5"	5 x 1/2" UNF	MLMA	Galvanised
MHF5GA-L	4.5"	5 x 1/2" UNF	MLMA	Galv, loose cups
MHF5B	4.5"	5 x 1/2" UNF	MLMB	Cast
MHF5B-L	4.5"	5 x 1/2" UNF	MLMB	Cast
MHF5B-J	4.5"	5 x 1/2" UNF	MLMB-J	Cast
MHF5GB	4.5"	5 x 1/2" UNF	MLMB	Galvanised
MHF5GB-J	4.5"	5 x 1/2" UNF	MLMB-J	Galvanised



### LANDCRUISER PATTERN

Item Code	PCD	Studs	Bearings	Features
MHTL5(150)	150mm	5 x 9/16" UNF	-	Cast
MHTL5B(150)	150mm	5 x 9/16" UNF	MLMB	Cast
MHTL5P	150mm	5 x 9/16" UNF	MLMP	Cast, Parallel bearing
MHTL6	139.7mm	6 x 1/2" UNF	-	Cast
MHTL6P	139.7mm	6 x 1/2" UNF	MLMP	Cast, Parallel bearing
MHTL6G	139.7mm	6 x 1/2" UNF	-	Galvanised
MHTL6A	139.7mm	6 x 1/2" UNF	MLMA	Cast
MHTL6GA	139.7mm	6 x 1/2" UNF	MLMA	Galvanised
MHTL6B	139.7mm	6 x 1/2" UNF	MLMB	Cast
MHTL6B-J	139.7mm	6 x 1/2" UNF	MLMB-J	Cast
MHTL6GB	139.7mm	6 x 1/2" UNF	MLMB	Galvanised
MHTL6GB-L	139.7mm	6 x 1/2" UNF	MLMB	Galv, loose cups
MHTL62TE	139.7mm	6 x 9/16" UNF	2 Tonne Bearings	Cast
MHTL63T	139.7mm	6 x 9/16" UNF	3 Tonne Bearings	Cast
MHTL63TF	139.7mm	6 x 9/16" UNF	3 Tonne Bearings	Cast



### NARROW HT PATTERN (AGRICULTURAL APPLICATIONS)

Item Code	PCD	Studs	Bearings	Features
MHISG	5 x 4.25"	5 x 7/16 UNF	MLMA	Galvanised
MHISGA	5 x 4.25"	5 x 7/16 UNF	MLMA	MLMA Galvanised

A full range of braked hub drums and disc hub are also available.

MLMA = Holden / A Type / Standard / LM Bearings  
 MLMA-J = Holden / A Type / Standard / LM Japanese Bearings  
 MLMB = Heavy Duty / Slim Line / Ford / B Type Bearings  
 MLMB-J = Heavy Duty / Slim Line / Ford / B Type Japanese Bearings



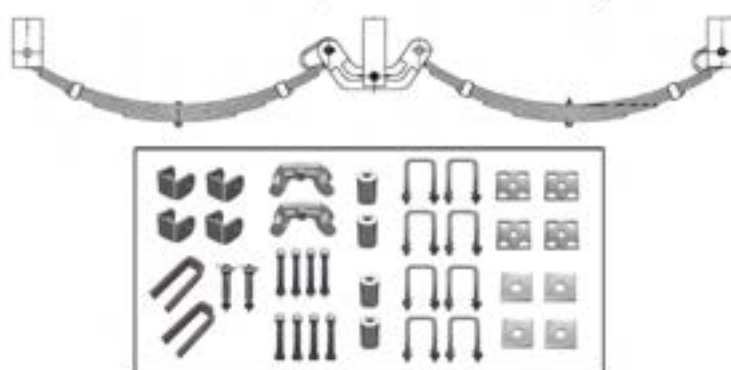


## SUSPENSION SPRINGS

Manutec carries a full range of trailer suspension springs and components. Our range includes:

- Roller Rocker Springs
  - Slipper Springs
  - Eye to Eye Springs

All springs and components are available as complete sets or as individual components. All springs are available in either painted or marine galvanised finish.



## AXLES AND STUBS

Manutec carries a full range of trailer axles and stubs from 39mm to 60mm. Additional axles and stubs can be custom made from Australian made steel.

Manutec can provide fully assembled braked and unbraked axles and stub axle up to 3 tonne.



## COMB TRAILERS

Manutec carries all suspension, parts, wheels, couplings and electrical components required for the manufacture of Comb trailers.

## Brake Winches

### BWDAC10:1W-SN

#### (WEB STRAP)

Single ratio 10:1 brake hand winch for line pull only. Dacromet paint. Hardened steel bushes

**Web Strap:** 7.5 metre with snap hook.  
**Unit Weight:** 5.2kg  
**Line Pull Capacity:** 500kg



### BWDAC5:1W-SN

#### (WEB STRAP)

Single ratio 5:1 brake hand winch for line pull only. Dacromet paint. Hardened steel bushes

**Web Strap:** 7.5 metre with snap hook.  
**Unit Weight:** 4.6kg  
**Line Pull Capacity:** 300kg



### BWDAC10:1C-SN

#### (STEEL CABLE)

Single ratio 10:1 brake hand winch for line pull only. Dacromet paint. Hardened steel bushes

**Cable:** 6mm Galv x 6 metre with snap hook.  
**Unit Weight:** 5.2kg  
**Line Pull Capacity:** 500kg



### BWDAC5:1C-SN

#### (STEEL CABLE)

Single ratio 5:1 brake hand winch for line pull only. Dacromet paint. Hardened steel bushes

**Cable:** 7mm Galv x 7.5 metre with snap hook.  
**Unit Weight:** 4.6kg  
**Line Pull Capacity:** 300kg



### BWDAC750KG-NC

#### (NO CABLE)

Single ratio 7:1 brake hand winch for line pull only. Dacromet paint. Hardened steel bushes

**Cable:** None.  
**Unit Weight:** 23.6kg  
**Line Pull Capacity:** 750kg



### BWDAC750KG-RCSN

#### (ROPE CABLE)

Single ratio 7:1 brake hand winch for line pull only. Dacromet paint. Hardened steel bushes

**Cable:** Rope cable with snap hook.  
**Unit Weight:** 23.9kg  
**Line Pull Capacity:** 750kg



### BWDAC750KG-SCSN

#### (STEEL CABLE)

Single ratio 7:1 brake hand winch for line pull only. Dacromet paint. Hardened steel bushes

**Cable:** 8mm Galv x 8.2 metre with snap hook.  
**Unit Weight:** 25.8kg  
**Line Pull Capacity:** 750kg



**All winches are rated for rolling load. DO NOT use as a lifting winch. Secure base using all bolt holes. DO NOT use winch to secure load during transport.**



## Heavy Duty Components

### HWRC10:5:1-SN

LOOSE HANDLE - NON BRAKED

**Desc:** Triple ratio 1:1, 5:1, 10:1 ratchet hand winch for line pull only. Grey plastic paint on zinc plated frame. Hardened steel bushes.

**Rope Cable:** 8mm 'HMPE' rope x 7.6 metre. With cast 'snap' hook (Silver)

**Unit Weight:** 5.0kg

**Line Pull Capacity:** 1000kg



### SC6X4.2SK

GALV STEEL CABLE

**Description:** 6M x 4.2mm Galvanised steel cable with stainless steel 's' hook, complete with cable clamp.

**Unit Weight:** 0.60kg



### SC6X5.4SK

GALV STEEL CABLE

**Description:** 6M x 5.4mm Galvanised steel cable with stainless steel 's' hook, complete with cable clamp.

**Unit Weight:** 0.95kg



### SC7.6X5.4SN

GALV STEEL CABLE

**Description:** 7.6M x 5.4mm Galvanised steel cable with 'snap' hook, complete with cable clamp.

**Unit Weight:** 1.15kg



### SC7.6X6.4SN

GALV STEEL CABLE

**Description:** 7.6M x 6.4mm Galvanised steel cable with 'snap' hook, complete with cable clamp.

**Unit Weight:** 1.35kg



### RC7.6X7SVSN

WINCH ROPE CABLE - BLUE

'High Molecular Polyethylene'

**Description:** 7mm x 7.6m with cast 'snap' hook. Fixed by looping around centre shaft.

**Line Pull Rating:** 800kg

**Breaking Capacity:** 2650kg



### RC7.6X8SVSN

WINCH ROPE CABLE - SILVER

'High Molecular Polyethylene'

**Description:** 8mm x 7.6m with cast 'snap' hook. Fixed by looping around centre shaft.

**Line Pull Rating:** 1200kg

**Breaking Capacity:** 3750kg



## Heavy Duty Components

### DOUBLE CLAMP

Weld-On.

Gives extra support on Standard and Medium range of Jockey Wheels and Stands. Ideal for use on the extra height Jockey Wheels using standard 48mm OD outer tube.

Unit Weight: 3.4kg



### HDCLAMP60

Weld-On.

To suit Heavy Duty range of Jockey Wheels and Stands using Heavy Duty 60mm OD outer tube.

Unit Weight: 3.2kg



### HDSB1

Bolt-on/Weld-on.

Pin Locking Swivel Bracket. To suit Heavy Duty range of Jockey Wheels and Stands using Heavy Duty 60mm OD outer tube.

Unit Weight: 3.7kg



### HDSP

Weld-On.

Heavy Duty Swivel Plate. To suit Heavy Duty Jockey Wheels and Stands using Heavy Duty 60mm OD outer tube.

Unit Weight: 3.3kg





## Heavy Duty Components

### ASHD

Heavy Duty  
Adjustable Stand  
with heavy duty pin locking  
swivel brackets -  
SUPPLIED LOOSE

Lift: 225mm  
Unit Weight: 10.8kg  
Static Load Capacity: 1250kg



### ASHDX

Heavy Duty  
Adjustable Stand  
Extra Height  
with heavy duty pin locking  
swivel brackets -  
SUPPLIED LOOSE

Lift: 225mm  
Unit Weight: 13.7kg  
Static Load Capacity: 1250kg



### ASHDN

Heavy Duty  
Adjustable Stand  
No Clamp/Brackets

Unit Weight: 7.1kg

As above  
without  
clamp or  
brackets

### ASHDXN

Heavy Duty  
Adjustable Stand Extra  
Height No Clamp/Brackets

Unit Weight: 10.0kg

As above  
without  
clamp or  
brackets

### ASHDC

Heavy Duty  
Adjustable  
Stand  
with heavy duty  
clamp weld on.

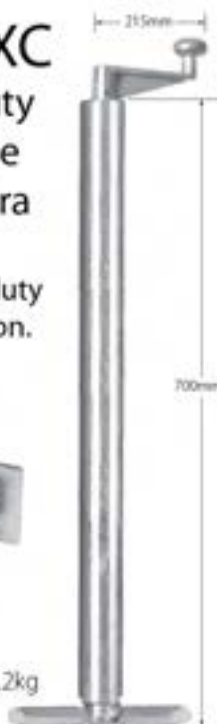
Lift: 225mm  
Unit Weight: 10.3kg  
Static Load Capacity: 1250kg



### ASHDXC

Heavy Duty  
Adjustable  
Stand Extra  
Height  
with heavy duty  
clamp weld on.

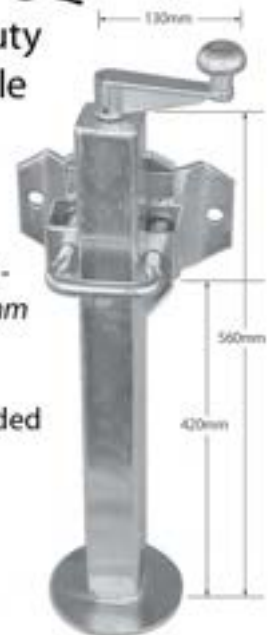
Lift: 225mm  
Unit Weight: 13.2kg  
Static Load  
Capacity: 1250kg



### ASHD-SQ

Heavy Duty  
Adjustable  
Stand -  
Square  
Tube  
Square Tube -  
60mm x 60mm  
with heavy  
duty swivel  
bracket welded  
in position.

Lift: 225mm  
Unit Weight:  
11.0kg  
Static Load  
Capacity: 1250kg



INCREASED  
CAPACITY

## Heavy Duty Components

HEAVY DUTY  
BRACKET &  
HANDLE

## JW2HD

### Standard Swivel Jockey Wheel (Increased Capacity)

with heavy duty pin locking  
swivel bracket welded in  
position.

Wheel: 150mm x 50mm  
(6" x 2") Solid rubber  
with steel web bore.  
Lift: 225mm  
Unit Weight: 7.9kg  
Static Load Capacity: 650kg



## JW2UBHD

### Standard Swivel Jockey Wheel (Increased Capacity)

with heavy duty pin locking  
swivel bracket welded in  
position. For fixing with  
U-Bolts.  
(suits 2", 3", 4", 5" & 6" U-Bolts.)

Wheel: 150mm x 50mm  
(6" x 2") Solid rubber  
with steel web bore.  
Lift: 225mm  
Unit Weight: 8.4kg  
Static Load Capacity: 650kg



## JW4ZBHD

### Medium Swivel Jockey Wheel (Increased Capacity)

with heavy duty pin locking  
swivel bracket welded in  
position.

Wheel: 200mm x 55mm  
(8" x 2") Rubber tyre  
with zinc plated steel centre  
and roller bearings.  
Lift: 225mm  
Unit Weight: 9.3kg  
Static Load Capacity: 750kg



## JW4ZUBHD

### Medium Swivel Jockey Wheel (Increased Capacity)

with heavy duty pin locking  
swivel bracket welded in  
position. For fixing with  
U-Bolts.  
(suits 2", 3", 4", 5" & 6" U-Bolts.)

Wheel: 200mm x 55mm  
(8" x 2") Rubber tyre  
with zinc plated steel centre  
and roller bearings.  
Lift: 225mm  
Unit Weight: 9.6kg  
Static Load Capacity: 750kg



## JW9HD

### 'Pneumatic Look' Solid Rubber Jockey Wheel (Increased Capacity)

Incl. HD Clamp

Wheel: 4.10/3.50 x 4 (10")  
Solid cushion tyre with steel  
centre and bronze bush bore.  
Lift: 225mm  
Unit Weight: 11.2kg  
Static Load Capacity: 850kg



As above  
without clamp

## JW9EHD

### 'Pneumatic Look' Solid Rubber Extra Height Jockey Wheel (Increased Capacity)

Incl. HD Clamp

Wheel: 4.10/3.50 x 4 (10")  
Solid cushion tyre with steel  
centre and bronze bush bore.  
Lift: 225mm  
Unit Weight: 12.2kg  
Static Load Capacity: 850kg



As above  
without clamp

## JW9HDNC

Unit Weight: 9.4kg

## JW9EHDNC

Unit Weight: 10.4kg



INCREASED  
CAPACITY

## Heavy Duty Components

HEAVY DUTY  
BRACKET &  
HANDLE**JW10HD**

'Pneumatic Look'

**Solid Rubber Swivel Jockey Wheel**

(Increased Capacity)  
with (HEAVY DUTY) pin locking swivel bracket welded in position. Also includes Heavy Duty winding handle and thrust bearing.  
**Wheel:** 4.10/3.50 x 4 (10")  
Solid cushion tyre with **steel** centre and bronze bush bore.  
**Lift:** 225mm  
**Unit Weight:** 12.6kg  
**Static Load Capacity:** 1000kg

**JW10UBHD**

'Pneumatic Look'

**Solid Rubber Swivel Jockey Wheel**

(Increased Capacity)  
with (HEAVY DUTY) pin locking swivel bracket welded in position. For fixing with U-Bolts. (suits 2", 3", 4", 5" & 6" U-Bolts.) Also includes Heavy Duty winding handle and thrust bearing.  
**Wheel:** 4.10/3.50 x 4 (10")  
Solid cushion tyre with **steel** centre and bronze bush bore.  
**Lift:** 225mm  
**Unit Weight:** 13.0kg  
**Static Load Capacity:** 1000kg

**JW11HD**

'Pneumatic Look'

**Solid Rubber Swivel Jockey Wheel**

(Increased Capacity)  
with (HEAVY DUTY) pin locking swivel bracket welded in lower position. Also includes Heavy Duty winding handle and thrust bearing.  
**Wheel:** 4.10/3.50 x 4 (10")  
Solid cushion tyre with **steel** centre and bronze bush bore.  
**Lift:** 225mm  
**Unit Weight:** 12.6kg  
**Static Load Capacity:** 1000kg

**JW11UBHD**

'Pneumatic Look'

**Solid Rubber Swivel Jockey Wheel**

(Increased Capacity)  
with (HEAVY DUTY) pin locking swivel bracket welded in lower position. For fixing with U-Bolts. (suits 2", 3", 4", 5" & 6" U-Bolts.) Also includes Heavy Duty winding handle and thrust bearing.  
**Wheel:** 4.10/3.50 x 4 (10")  
Solid cushion tyre with **steel** centre and bronze bush bore.  
**Lift:** 225mm  
**Unit Weight:** 13.0kg  
**Static Load Capacity:** 1000kg

**JW9THD**

'Pneumatic Look'

**Solid Rubber Twin Jockey Wheel**

Incl. HD Clamp  
(Increased Capacity)  
**Wheels:** 4.10/3.50 x 4 (10")  
Solid cushion tyre with **steel** centre and bronze bush bore.  
**Lift:** 225mm  
**Unit Weight:** 17.0kg  
**Static Load Capacity:** 1000kg

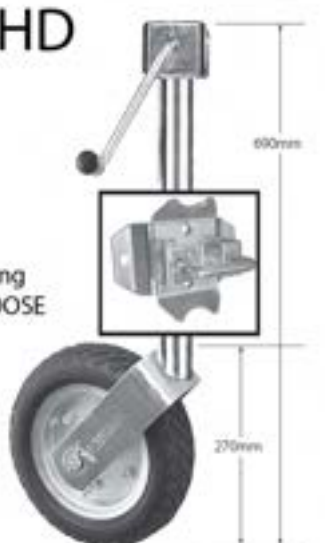
**JWSW-10LBHD**

'Pneumatic Look'

**Solid Rubber Jockey Wheel**

(Side Winding)  
(Increased Capacity)  
with (HEAVY DUTY) pin locking swivel bracket - SUPPLIED LOOSE

**Wheel:** 4.10/3.50 x 4 (10")  
Solid cushion tyre with **steel** centre and bronze bush bore.  
**Lift:** 225mm  
**Unit Weight:** 12.7kg  
**Static Load Capacity:** 1000kg

**JW9THDNC**

Unit Weight: 15.2kg

As above  
without clamp

EXTRA HEAVY  
DUTY 60mm  
OUTER TUBE

## Heavy Duty Components

HEAVY DUTY  
60mm OUTER  
TUBE

### JW7

#### Extra Heavy Duty Jockey Wheel

with heavy duty  
swivel plates -  
SUPPLIED LOOSE  
Wheel: 250mm x 50mm  
(10" x 2") Solid rubber  
tyre with *aluminium* centre -  
plain bore.  
Lift: 225mm  
Unit Weight: 15.8kg  
Static Load Capacity: 1250kg



### JW5HDN

#### Heavy Duty Jockey Wheel

NO CLAMP OR BRACKET  
SUPPLIED

Wheel: 4.10/3.50 X 4 (10")  
Solid Cushion tyre with  
*steel* centre and  
bronze bush bore.  
Lift: 225mm  
Unit Weight: 13.5kg  
Static Load Capacity: 1000kg



### JW7N

Extra Heavy Duty Jockey  
Wheel No Clamp/Brackets  
Unit Weight: 12.8kg

As above  
without  
clamp or  
brackets

### JW7C

#### Extra Heavy Duty Jockey Wheel

with heavy duty clamp  
weld on.

Wheel: 250mm x 50mm  
(10" x 2") Solid rubber  
tyre with *aluminium* centre -  
plain bore.  
Lift: 225mm  
Unit Weight: 15.6kg  
Static Load Capacity: 1250kg



### JW5HDC

#### Heavy Duty Jockey Wheel

with heavy duty clamp  
weld on.

Wheel: 4.10/3.50 X 4 (10")  
Solid Cushion tyre with  
*steel* centre and  
bronze bush bore.  
Lift: 225mm  
Unit Weight: 16.4kg  
Static Load Capacity: 1000kg



### JW8

#### Extra Heavy Duty Swivel Jockey Wheel

with heavy duty pin  
locking swivel bracket -  
SUPPLIED LOOSE

Wheel: 250mm x 50mm  
(10" x 2") Solid rubber  
tyre with *aluminium* centre -  
plain bore.  
Lift: 225mm  
Unit Weight: 16.6kg  
Static Load Capacity: 1250kg



### JW6HD

#### Heavy Duty Swivel Jockey Wheel

with heavy duty pin  
locking swivel bracket -  
SUPPLIED LOOSE

Wheel: 4.10/3.50 X 4 (10")  
Solid Cushion tyre with  
*steel* centre and  
bronze bush bore.  
Lift: 225mm  
Unit Weight: 17.3kg  
Static Load Capacity: 1000kg





## Heavy Duty Components

### JW4ZDB

Medium  
Jockey Wheel w/  
Double Clamp  
gives extra  
support and stability

Wheel: 200mm x 55mm  
(8" x 2") Rubber tyre  
with zinc plated steel centre  
and roller bearings.  
Lift: 225mm  
Unit Weight: 9.4kg  
Static Load Capacity: 700kg



### JW8UBG

Extra Heavy Duty  
Swivel Jockey Wheel  
with (HEAVY DUTY) pin locking  
swivel bracket welded in  
position.

For fixing with U-Bolts.  
(suits 4" & 5" U-Bolts)

- Galvanised -  
Wheel: 250mm x 50mm  
(10" x 2") solid rubber  
tyre with aluminium centre -  
plain bore.  
Lift: 225mm  
Unit Weight: 17.5kg  
Static Load Capacity: 1250kg



### JWSW-8

Extra Heavy  
Duty Swivel  
Jockey Wheel  
(Side Winding)  
with heavy duty pin  
locking swivel bracket  
SUPPLIED LOOSE.

Wheel: 250mm x 50mm  
(10" x 2") Solid rubber tyre  
with aluminium centre -  
plain bore.  
Lift: 225mm  
Unit Weight: 18.0kg  
Static Load Capacity: 1250kg



### JWSW-11UBHDG

Heavy Duty Swivel  
Jockey Wheel - (Side Winding)  
with (HEAVY DUTY) pin locking  
swivel bracket welded in  
lower position.

For fixing with U-Bolts.  
(suits 2", 3", 4", 5" & 6" U-Bolts)  
Also Includes Heavy Duty  
side winding assembly.

- Galvanised -  
Wheel: 4.10/3.50 x 4 (10")  
solid cushion tyre with  
galv. steel centre and bronze  
bore bush.  
Lift: 225mm  
Unit Weight: 13.8kg  
Static Load Capacity: 1000kg



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**Manutec**  
MANUFACTURING TECHNOLOGY



### JW9THD

'Pneumatic Look'  
Solid Rubber Twin  
Jockey Wheel  
Incl. HD Clamp  
(Increased Capacity)

Wheels: 4.10/3.50 x 4 (10")  
Solid cushion tyre with steel  
centre and bronze bush bore.  
Lift: 225mm  
Unit Weight: 17.0kg  
Static Load Capacity: 1000kg

### JW9THDNC

Unit Weight: 15.2kg



As above  
without clamp

## Towing

✓ = ADR Approved

## MTB70

## 70mm Towball

Coating: Chrome  
 Rating: 4.5T  
 Unit Weight: 3.6kg

Rated for Agricultural use only



## OZHITCH3.5G-4H ✓

## Off Road Coupling

Coating: Galvanised  
 Rating: 3.5 Tonne  
 Weight: 10.4kg

Also available  
 in 6 hole  
 version:

OZHITCH3.5G-6H



## MC4500G ✓

Electric Coupling with  
 Hand Brake  
 To suit 70mm ball

Coating: Galv  
 Rating: 4.5 Tonne  
 Weight: 10.45kg



## OZHITCH-OR-G-4H ✓

Off Road Override Coupling  
 4 Hole

Coating: Galvanised  
 Rating: 2 Tonne  
 Weight: 13.2kg



## MC3500Z ✓

Electric Coupling with  
 Hand Brake  
 To suit 50mm ball

Coating: Zinc  
 Rating: 3.5 Tonne  
 Weight: 8.0kg



## OZHITCH2.5G-4H ✓

## Off Road Coupling

Coating: Galvanised  
 Rating: 2.5 Tonne  
 Weight: 10.4kg



## MTB70-ADR ✓

70mm Towball  
 (ADR Approved for  
 on road use)

Coating: Chrome  
 Rating: 4.5 Tonne  
 Weight: 3.6kg



## OZHITCH-OR-G-6H ✓

Off Road Override Coupling  
 6 Hole

Coating: Galvanised  
 Rating: 2 Tonne  
 Weight: 13.2kg





SOLID CAST  
IRON WHEEL

## Heavy Duty Castors

### 030 Series

SINGLE BALL RACE

Dimensions

D = Wheel Diameter  
W = Width of Wheel

SWIVEL PLATE

Item Code	Wheel Dimensions D x W	Height (mm)	Plate Size (mm)	Capacity Kg
030CI50	50mm x 22mm	63	65mm x 48mm	45
030CI63	63mm x 28mm	82	97mm x 67mm	60
030CI75	75mm x 32mm	95	105mm x 80mm	90
030CI100	100mm x 35mm	127	130mm x 102mm	100
030CI125	125mm x 41mm	158	150mm x 128mm	120

FIXED PLATE

Item Code	Wheel Dimensions D x W	Height (mm)	Plate Size (mm)	Capacity Kg
031CI50	50mm x 22mm	63	67mm x 48mm	45
031CI63	63mm x 28mm	82	111mm x 54mm	60
031CI75	75mm x 32mm	95	102mm x 64mm	90
031CI100	100mm x 35mm	127	120mm x 76mm	100
031CI125	125mm x 41mm	158	145mm x 106mm	120



## PCI Series



SWIVEL PLATE

Item Code	Wheel Dimensions D x W	Height (mm)	Plate Size (mm)	Capacity Kg
PCIS150	150mm x 50mm	195	114mm x 102mm	365
PCIS200	200mm x 50mm	240	114mm x 102mm	365

FIXED PLATE

Item Code	Wheel Dimensions D x W	Height (mm)	Plate Size (mm)	Capacity Kg
PCIF150	150mm x 50mm	195	114mm x 102mm	365
PCIF200	200mm x 50mm	240	114mm x 102mm	365



## Heavy Duty Rubber Wheels

<p><b>JW350X4SR</b> 10" Solid (Cushion Rubber) Wheel. Zinc Plated Centre with 19mm bronze bushes.</p> 	<p><b>JW1505013-SW</b> 6" (150mm) Solid Rubber Wheel with 13mm steel web bore.</p> 	<p><b>JW350X4SRG</b> 10" Solid (Cushion Rubber) Wheel. Galv Centre with 19mm bronze bushes.</p> 
<p><b>JWHDAL-250</b> 10" Extra Heavy Duty Wheel (Aluminium Centre) for JW7/8 Steel tube bore, ID = 25mm.</p> 	<p><b>JW2005016-SW</b> 8" (200mm) Solid Rubber Wheel with 16mm steel web bore.</p> 	<p><b>JW2005516ZC</b> 8" (200mm) Rubber Tyre, Zinc Steel Centre with 16mm roller bearing.</p> 

## SRW Series



See section 10



STEEL WEB

### Dimensions

D = Wheel Diameter  
W = Width of Wheel  
a = Bore/Axle Diameter  
b = Boss Width

## CIW Series - Cast Iron Wheels (Plain Bore Type)



Item Code	Wheel Dimensions D x W x a x b	Capacity Kg
CIW50	50mm x 22mm x 6mm x 25mm	45
CIW63	63mm x 28mm x 10mm x 33mm	80
CIW75	75mm x 32mm x 12.7mm x 40mm	109
CIW100	100mm x 38mm x 12.7mm x 48mm	130
CIW125	125mm x 41mm x 15mm x 52mm	180



## Performance Alloy Trailer Wheels

SIZE	STYLE	CODE	COLOUR	PCD	OFFSET	MAX LOAD
8X3.0D	TX1	8RIMI/A	NATURAL	INTEGRAL-HOLDEN BEARINGS	10N	375KG
8X3.0D	TX1	8RIMHT/A	NATURAL	HT - 5X107.95	10N	375KG
9X4.5A	TX1	9RIMHT/A	NATURAL	HT - 5X107.95	11N	650KG
9X4.5A	TX1	9RIMHT/AW	WHITE	HT - 5X107.95	11N	650KG
10X3.5B	TX1	10RIMI/A	NATURAL	INTEGRAL-HOLDEN BEARINGS	6N	550KG
10X3.5B	TX1	10RIMHT/A	NATURAL	HT - 5X107.95	6N	550KG
10X3.5B	TX1	10RIMHT/AW	WHITE	HT - 5X107.95	6N	550KG
10X3.5B	TX1	10RIMM/A	NATURAL	MINI - 4X101.6	6N	550KG
13X5.0JJ	TX1	13RIMF/AS	SILVER	FORD - 5X114.3	10P	830KG
13X5.0JJ	TX1	13RIMF/AW	WHITE	FORD - 5X114.3	10P	830KG
13X5.0JJ	TX1	13RIMHQ/A	NATURAL	HQ - 5X120.65	10P	830KG
13X5.0JJ	TX1	13RIMHQ/AS	SILVER	HQ - 5X120.65	10P	830KG
13X5.0JJ	TX1	13RIMHQ/AW	WHITE	HQ - 5X120.65	10P	830KG
13X5.0JJ	TX1	13RIMHT/AP	PLATINUM	HT - 5X107.95	10P	830KG
13X5.0JJ	TX1	13RIMHT/AS	SILVER	HT - 5X107.95	10P	830KG
13X5.0JJ	TX1	13RIMHT/AW	WHITE	HT - 5X107.95	10P	830KG
14X6.0JJ	TX1	14RIMF/AS	SILVER	FORD - 5X114.3	10P	1050KG
14X6.0JJ	TX1	14RIMF/AW-TX1	WHITE	FORD - 5X114.3	10P	1050KG
14X6.0JJ	TX1	14RIMHT/AS	SILVER	HT - 5X107.95	10P	1050KG
14X6.0JJ	TX1	14RIMHT/AW	WHITE	HT - 5X107.95	10P	1050KG
14X6.0JJ	TX1	14RIMLC6/AS-TX1	SILVER	LC6-6X139.7	10P	1050KG
14X6.0JJ	TX1	14RIMLC6/AW-TX1	WHITE	LC6-6X139.7	10P	1050KG
14X6.0JJ	TX2	14RIMF/ABMF-TX2	BLACK-MACHINE FACE	FORD - 5X114.3	10P	1050KG
14X6.0JJ	TX2	14RIMF/AB-TX2	BLACK	FORD - 5X114.3	10P	1050KG
14X6.0JJ	TX2	14RIMF/AS-TX2	SILVER	FORD - 5X114.3	10P	1050KG
14X6.0JJ	TX2	14RIMF/ASMF-TX2	SILVER-MACHINE FACE	FORD - 5X114.3	10P	1050KG
14X6.0JJ	TX2	14RIMF/AW-TX2	WHITE	FORD - 5X114.3	10P	1050KG
14X6.0JJ	TX2	14RIMF/AWMF-TX2	WHITE-MACHINE FACE	FORD - 5X114.3	10P	1050KG

FOR OTHER SIZES, INCLUDING 15" AND 16", PCDS OR COLOUR PLEASE CALL



## Alloy Boat Wheels Complete With Tyre And Tube

SIZE	CODE	COLOUR	PCD	OFFSET	MAX LOAD
8"	4.8/4.0X8/6P/AIH-C	NATURAL	INTEGRAL-INC HOLDEN BEARING KIT	10N	375KG
8"	4.8/4.0X8/6P/AIH	NATURAL	INTEGRAL-LM11910 CUPS ONLY	10N	375KG
8"	4.8/4.0X8/6P/AHT	NATURAL	HT - 5X107.95	10N	375KG
9"	6.9/6.00X9/6P/AHT	NATURAL	HT - 5X107.95	11N	650KG
10"	5.00X10/8P/AIH	NATURAL	INTEGRAL-LM11910 CUPS ONLY	6N	550KG
10"	5.00X10/8P/AIH-C	NATURAL	INTEGRAL-INC HOLDEN BEARING KIT	6N	550KG
10"	5.00X10/8P/AHT	NATURAL	HT - 5X107.95	6N	550KG
10"	5.00X10/8P/AMI	NATURAL	MINI - 4X101.6	6N	550KG

## Tyres And Tubes To Suit Alloy Wheels

SIZE	STYLE	CODE	PCD
8"	HWY	4.80/4.00-8(6)HWY	8" 6 PLY TYRE AND TUBE
8"	HWY	4.80/4.00-8/6P	8" 6 PLY TYRE (NOT TUBELESS)
8"	TUBE	4.00-8TUBE	4.00-8 TR13 TUBE
9"	HWY	6.90/6.00-9(6)HWY	9" 6 PLY TYRE AND TUBE
9"	TUBE	6.00-9TUBE	6.00-9 TR13 TUBE
10"	HWY	5.00-10(8)HWY	10" 8 PLY TYRE AND TUBE - HIGHWAY
10"	TYRE	5.00-10(8)HWY-TUBELESS	10" 8 PLY TYRE AND TUBE - HIGHWAY
10"	TUBE	5.00-10TUBE	5.00-10 TR13 TUBE



## Steel Trailer Wheels Rim Only

SIZE	STYLE	CODE	COLOUR	MODEL	PCD	CB	OFFSET	MAX LOAD
10X4.0	SUNRAYSIA	10X4.0RIMF/HTG	GALV	FORD/HOLDEN HT MULTI	5X107.95 - 5X 114.3 - MULTI	75	0	400KG
13X4.5	SUNRAYSIA	13X4.5RIMF/G	GALV	FORD	5X 114.3	84	0	750KG
13X4.5	SUNRAYSIA	13X4.5RIMF/W	WHITE	FORD	5X 114.3	84	0	750KG
13X4.5	SUNRAYSIA	13X4.5RIMF/HTG	GALV	FORD/HOLDEN HT MULTI	5X107.95 - 5X 114.3 - MULTI	75	0	750KG
13X4.5	SUNRAYSIA	13X4.5RIMF/HTW	WHITE	FORD/HOLDEN HT MULTI	5X107.95 - 5X 114.3 - MULTI	75	0	750KG
14X6	SUNRAYSIA	14X6RIMCD/G	GALV	COMMODORE	5X120			850KG
14X6	SUNRAYSIA	14X6RIMCD/W	WHITE	COMMODORE	5X120			850KG
14X6	SUNRAYSIA	14X6RIMF/C	CHROME	FORD	5X 114.3	84	14	850KG
14X6	SUNRAYSIA	14X6RIMF/W	WHITE	FORD	5X 114.3	84	14	850KG
14X6	SUNRAYSIA	14X6RIMF/B	BLACK	FORD	5X 114.3	84	14	850KG
14X6	SUNRAYSIA	14X6RIMF/G	GALV	FORD	5X 114.3	84	14	850KG
14X6	SUNRAYSIA	14X6RIMHT/W	WHITE	HOLDEN HT	5X107.95	75	14	850KG
14X6	SUNRAYSIA	14X6RIMHT/G	GALV	HOLDEN HT	5X107.95	75	14	850KG
14X6	SUNRAYSIA	14X6RIMHT/C	CHROME	HOLDEN HT	5X107.95	75	14	850KG
14X6	SUNRAYSIA	14X6RIMHQ/W	WHITE	HOLDEN HQ	5X120.65	84	14	850KG
14X6	SUNRAYSIA	14X6RIMHQ/G	GALV	HOLDEN HQ	5X120.65	84	14	850KG
14X6	SUNRAYSIA	14X6RIMHQ/C	CHROME	HOLDEN HQ	5X120.65	84	14	850KG
14X6	SUNRAYSIA	14X6RIMLC6/W	WHITE	TOYOTA LANDCRUISER 6 STUD	6X139.7	110	14	850KG
15X7	SUNRAYSIA	15X7RIMF5/W	WHITE	FORD	5X 114.3	84	0	1200KG
15X7	SUNRAYSIA	15X7RIMLC5/W	WHITE	TOYOTA LANDCRUISER 5 STUD	5X150	112	0	1200KG
15X7	SUNRAYSIA	15X7RIMLC6/B	BLACK	TOYOTA LANDCRUISER 6 STUD	6X139.7	110	0	1200KG
15X7	SUNRAYSIA	15X7RIMLC6/G	GALV	TOYOTA LANDCRUISER 6 STUD	6X139.7	110	0	1200KG
15X7	SUNRAYSIA	15X7RIMLC6/W	WHITE	TOYOTA LANDCRUISER 6 STUD	6X139.7	110	0	1200KG
16X7	SUNRAYSIA	16X7RIMHQ/W	WHITE	HOLDEN HQ	5X120.65	84	0	1200KG
16X7	SUNRAYSIA	16X7RIMLC5/W	WHITE	TOYOTA LANDCRUISER 5 STUD	5X150	112	0	1200KG
16X7	SUNRAYSIA	16X7RIMLC6/W	WHITE	TOYOTA LANDCRUISER 6 STUD	6X139.7	110	0	1200KG

# Steel Trailer Wheels

Rim & Tyre Fitted

SIZE	TYRE SIZE	STYLE	CODE	COLOUR	MODEL	PCD	CB	OFFSET	MAX LOAD RIM	MAX LOAD SINGLE AXLE	MAX LOAD DUAL AXLE
8X7 ATV	22X11.8-8/4P	PLAIN	22X11.8-8/4P/WM	SILVER	MINI	4X101.6	72	0	360LB	340LB	
13X4.5	155R13LT	SUNRAYSIA	13X4.5/155R/G/F	GALV	FORD	5X114.3	84	0	750KG	600KG	560KG
13X4.5	155R13LT	SUNRAYSIA	13X4.5/155R/W/F	WHITE	FORD	5X114.3	84	0	750KG	600KG	560KG
13X4.5	155R13LT	SUNRAYSIA	13X4.5/155R/G/M	GALV	FORD/HOLDEN HT MULTI	5X107.95 - 5X114.3 - MULTI	84	0	750KG	600KG	560KG
13X4.5	155R13LT	SUNRAYSIA	13X4.5/155R/W/M	WHITE	FORD/HOLDEN HT MULTI	5X107.95 - 5X114.3 - MULTI	84	0	750KG	600KG	560KG
13X4.5	175R13LT	SUNRAYSIA	13X4.5/175R/G/F	GALV	FORD	5X114.3	84	0	750KG	730KG	690KG
13X4.5	175R13LT	SUNRAYSIA	13X4.5/175R/G/M	GALV	FORD/HOLDEN HT MULTI	5X107.95 - 5X114.3 - MULTI	84	0	750KG	730KG	690KG
13X4.5	175R13LT	SUNRAYSIA	13X4.5/175R/W/M	WHITE	FORD/HOLDEN HT MULTI	5X107.95 - 5X114.3 - MULTI	84	0	750KG	730KG	690KG
14X6	185R14LT	SUNRAYSIA	14X6/185R/C/F	CHROME	FORD	5X114.3	84	14	850KG	850KG	800KG
14X6	185R14LT	SUNRAYSIA	14X6/185R/G/F	GALV	FORD	5X114.3	84	14	850KG	850KG	800KG
14X6	185R14LT	SUNRAYSIA	14X6/185R/W/F	WHITE	FORD	5X114.3	84	14	850KG	850KG	800KG
14X6	185R14LT	SUNRAYSIA	14X6/185R/B/F	BLACK	FORD	5X114.3	84	14	850KG	850KG	800KG
14X6	195R14LT	SUNRAYSIA	14X6/195R/W/F	WHITE	FORD	5X114.3	84	14	850KG	950KG	900KG
14X6	185R14LT	SUNRAYSIA	14X6/185R/W/HT	WHITE	HOLDEN HT	5X107.95	75	14	850KG	850KG	800KG
14X6	185R14LT	SUNRAYSIA	14X6/185R/G/HT	GALV	HOLDEN HT	5X107.95	75	14	850KG	850KG	800KG
14X6	185R14LT	SUNRAYSIA	14X6/185R/W/HQ	WHITE	HOLDEN HQ	5X120.65	84	14	850KG	850KG	800KG
14X6	185R14LT	SUNRAYSIA	14X6/185R/G/HQ	GALV	HOLDEN HQ	5X120.65	84	14	850KG	850KG	800KG
14X6	185R14LT	SUNRAYSIA	14X6/185R/W/LC	WHITE	TOYOTA LANDCRUISER 6 STUD	6X139.7	110	14	850KG	850KG	800KG
14X6	185R14LT	SUNRAYSIA	14X6/185R/W/CD	WHITE	COMMODORE	5X120	84	14	850KG	850KG	800KG
14X6	185R14LT	SUNRAYSIA	14X6/185R/G/CD	GALV	COMMODORE	5X120	84	14	850KG	850KG	800KG
14X6	185R14LT	SUNRAYSIA	14X6/185R/W/LC	WHITE	TOYOTA LANDCRUISER 6 STUD	6X139.7	110	0	850KG	850KG	800KG
15X7	LT225/70R15	SUNRAYSIA	15X7/LT225R15/W/LC6	WHITE	TOYOTA LANDCRUISER 6 STUD	6X139.7	110	0	1200KG	1120KG	1050KG
15X7	235/75R15LT	SUNRAYSIA	15X7/LT235R15/G/LC6	WHITE	TOYOTA LANDCRUISER 6 STUD	6X139.7	110	0	1200KG	900KG	825KG
15X7	235/75R15LT	SUNRAYSIA	15X7/LT235R15/W/LC6	GALV	TOYOTA LANDCRUISER 6 STUD	6X139.7	110	0	1200KG	900KG	825KG
15X7	235/75R15LT/10P	SUNRAYSIA	15X7/LT235R1510P/W/LC6	WHITE	TOYOTA LANDCRUISER 6 STUD	6X139.7	110	0	1200KG	1250KG	1150KG
15X7	235/75R15LT-OR	SUNRAYSIA	15X7/OR235R15/G/LC6	WHITE	TOYOTA LANDCRUISER 6 STUD	6X139.7	110	0	1200KG	900KG	825KG
15X7	235/75R15LT-OR	SUNRAYSIA	15X7/OR235R15/W/LC6	GALV	TOYOTA LANDCRUISER 6 STUD	6X139.7	110	0	1200KG	900KG	825KG
15X7	31X10.5/6P	SUNRAYSIA	15X7/31X10.5/6P/W/LC6	WHITE	TOYOTA LANDCRUISER 6 STUD	6X139.7	110	0	1200KG	1030KG	950KG
15X7	31X10.5/6P	SUNRAYSIA	15X7/31X10.5/6P/BLC6	BLACK	TOYOTA LANDCRUISER 6 STUD	6X139.7	110	0	1200KG	1030KG	950KG
16X7	24575R16LT	SUNRAYSIA	16X7/LT245R16/W/LC6	WHITE	TOYOTA LANDCRUISER 6 STUD	6X139.7	110	0	1200KG	1400KG	1250KG
16X7	24575R16LT	SUNRAYSIA	16X7/LT245R16/W/LC5	WHITE	TOYOTA LANDCRUISER 5 STUD	5X150	112	0	1200KG	1400KG	1250KG
16X7	24575R16LT-OR	SUNRAYSIA	16X7/OR245R16/W/LC6	WHITE	TOYOTA LANDCRUISER 6 STUD	6X139.7	110	0	1200KG	1400KG	1250KG
16X7	24575R16LT-OR	SUNRAYSIA	16X7/OR245R16/W/LC5	WHITE	TOYOTA LANDCRUISER 5 STUD	5X150	112	0	1200KG	1400KG	1250KG



## Steel Trailer Wheels

Tyre Only

TYRE SIZE	CODE	STYLE	TREAD	LOAD INDEX	SPEED INDEX	PLY RATING	MAX LOAD SINGLE AXLE	MAX LOAD DUAL AXLE
8"	4.00-8TUBE	TUBE	TUBE			6 PLY		
8"	4.8/4.0X8/6P		HIGHWAY			6 PLY		
8"	4.8/4.0X8/6P		HIGHWAY			6 PLY		
9"	6.00-9TUBE	TUBE	TUBE			8 PLY	630KG	590KG
9"	6.90/6.00-9(6)HWY		HIGHWAY	92	M		487KG	412KG
10"	5.00-10TUBE	TUBE	TUBE			8 PLY		
10"	5.00-10(8)HWY		HIGHWAY			8 PLY		
13"	155R13C	LIGHT TRUCK	HIGHWAY	90/88	N	8 PLY	600KG	560KG
13"	175R13LT	LIGHT TRUCK	HIGHWAY	97/95	Q	8 PLY	730KG	690KG
14"	185R14LT	LIGHT TRUCK	HIGHWAY	102/100	Q	8 PLY	850KG	800KG
14"	195R14LT	LIGHT TRUCK	HIGHWAY	106/104	Q	8 PLY	950KG	900KG
15"	235/75R15LT	LIGHT TRUCK	ALL-TERRAIN	104/101	Q	6 PLY	900KG	825KG
15"	235/75R15LT-OR	LIGHT TRUCK	OFF-ROAD	104/101	S	6 PLY	900KG	825KG
15"	AT235/75R15LT(10)	LIGHT TRUCK	ALL-TERRAIN	116/113	Q	10 PLY	1250KG	1150KG
15"	225/70R15C	LIGHT TRUCK	ALL-TERRAIN	112/110	R	8 PLY	1120KG	1050KG
15"	MT31X10.5R15(6)	LIGHT TRUCK	MUD TYRE	109/106	S	6 PLY	1030KG	950KG
16"	245/75R16LT	LIGHT TRUCK	ALL-TERRAIN	120/116	Q	10 PLY	1400KG	1250KG



### MPTC

Trailer Wheel Tyre Changer

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## Section 11 Technical Data



Manutec PTY LTD  
30 Jonal Drive  
CAVAN SA 5094

[www.manutec.com.au](http://www.manutec.com.au)  
Ph. (08) 8260 2277  
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# How To Identify Parts

## Tyres

### DIAMETER

Diameter is nominal, ie 15" tyres will measure between 14" and 15" at the outer diameter. They will all fit on a standard 15" rim, which is 290mm in diameter.



### WIDTH



Tyre width is measured across the widest part of the tyre.

### SHAPE



### COMPOSITION



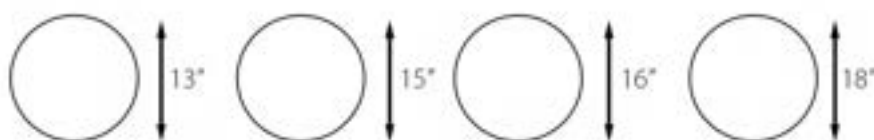


## How To Identify Parts

### Press Wheels

#### DIAMETER

This is a nominal diameter and varies with the tyre fitted. Measure the outside diameter of tyre.



#### TYPE

This is the centre mechanism of the wheel, the size of the rim relates to the OD of the tyre when fitted, ie. A 15" rim has a 15" OD tyre fitted, but the rim is 290mm in diameter.

#### CURRENT MODELS



INTEGRAL  
(15", 16", 18")



NEW SB/CP HYBRID  
(15", 16")  
(Replaces old to the right)



NYLON BUSH  
(NEW MODEL)  
(18")



HT / FORD DUAL  
(15", 16", 18")  
(Note: 5x108 Agrihub)



CONSERVAPAK  
(15", 16")



AGRIHUB  
(15", 16", 18")  
(5X98/4X98)

#### OLD MODELS



INTEGRAL  
(15", 16", 18")  
Image shows area where seal fits



SEALED BNG (OLD MODEL)  
(15", 16", 18")  
(Alloy & Steel)  
(No longer stocked in 15"/16")



NYLON BUSH (OLD MODEL)  
(15", 16", 18")



HT (OLD MODEL)  
(13", 15", 16", 18")  
(Alloy & Steel)

Wheel Assembly Instructions Please read this fully before fitting the new seals.

Before commencing assembly if the seals are being fitted to old or worn components we recommend that you check that the seal is going to be a tight fit on the shaft and a firm fit into the back of the wheel. If not then the shaft or the centre may be worn and need replacing. It is also a good idea to do one complete wheel first following the instructions so that you know all of the steps involved.

STEP 1: Pre-Grease all bearings (we recommend Fuchs Poly Plex 2) either by hand or with some other type of bearing packer. Place Large Tapered Roller Bearing (Pre-Greased) into hub onto the large Cup in the rear of the Hub. Pack additional Grease in behind Roller Bearing.

STEP 2: On new wheels this step is not critical as the seals will be a tight fit, however when doing maintenance on older wheels it is recommended. Place a small amount of GASKET SEALANT (we use LOCTITE MR5009) on the outermost edge of the seal. Depending on the type of Gasket Sealant and the ambient temperature it may take about 15-30 minutes before the sealant is tacky, do not fit until sealant is tacky (almost dry), it is better to be slightly dry than wet. Only use a very small amount of the sealant and be careful not to get any of the sealant on the inside face of the seal. Depending on how many wheels you are planning to do, it may pay to do the seals in batches of 10.

STEP 3: Place the wheel on a flat surface nose down so that the seal surface is facing up. Make sure that the bearing cups are fitted and that the inside of the wheel cavity is clean. Insert the large cone (67048 bearing) into the rear cup (67010 cup). Wipe away any excess grease that may have come into contact with the aluminium seal surface.

STEP 4: Once the gasket sealant is tacky, tap the seal into Hub using a hammer from the rear until the seal sits snugly inside the rear cavity of the press wheel and the outer steel plate is hard against the back alloy face of the rim.

STEP 5: Remove the castle nut and washer from the axle and slide axle in through the seal into the hub. Tap the axle in lightly with a hammer.

STEP 6: Turn over the press wheel and place the stub tightly into a vice, leaving at least 10 mm between the top of the vice and the back of the seal. (this is so the wheel can be easily rotated later in the assembly procedure)

STEP 7: Insert the Small Tapered Roller Bearing (Pre-Greased – LM11949) into the small cup (LM11910) in the front of the hub from the front, Place washer and then castle nut onto axle, tighten the castle nut hard with a standard socket wrench. By tightening hard this will help to properly seat the bearings into the cups. Next back off the castle nut until it is loose, while holding the outside of the wheel tap the top of the castle nut with a hammer. This will free up the small bearing and the wheel should now spin easily on the axle. Next re-tighten the castle nut hard and then back off one gap in the castle nut, so that the split pin hole is situated in the middle of the next gap in the castle nut. Wheel should now turn easily under a slight load. If wheel feels too stiff tighten hard again and then back off one gap, if still too stiff back off another gap. Lock into place with split pin. Rotate wheel to ensure no slop/wobble and wheel runs smoothly. When the correct pre-load is on the bearings the press wheel shouldn't be able to freewheel, but should rotate under a slight load.



STEP 8: Use the fitted Grease Nipple to top up the grease until a small amount of grease can be seen coming through the small bearing. Remove dust cap clips. Position Dust Cap over end of hub and knock home with the dust cap applicator, check to ensure dust cap is in all the way. Fit the dust cap clips to ensure the dust cap is securely held. It is important not to over pressurize the hub with too much grease as this can affect the seal and bearings. If this happens during maintenance greasing remove the dust cap and remove any excess grease inside the dust cap or use the grease purge screw on the back of the hub.

STEP 9: (IMPORTANT) It is normal to lose a small amount of pre-load as the wheels are first used and throughout the life of the bearings. Check the wheels after the first day of operation to ensure that the pre-load has not come off the wheels. If the wheels are freewheeling or if you can feel movement when you pull the wheel towards you (along the shaft), then the pre-load needs to be re-set. Once the pre-load has been re-set, the wheel should not need doing again for a reasonable period. To re-set the pre-load, remove the dust cap clips, the dust cap and split pin and follow STEP 7. Above. We also recommend that whenever you remove the dust cap that you also give the wheel a fresh squirt of grease. It is important that regular checks are conducted to ensure that the pre-load on the wheels is correct. If this is not done this may cause the seal to be exposed to dirt, which will cause a bearing failure. Once done replace dust cap and dust cap clips.

STEP 10: Future wheel maintenance, check wheels regularly to ensure no sideways movement in bearings or loss of pre-load. Do not overgrease. If in doubt about the internal state of the wheels remove one wheel and replace with a spare (we recommend always having one complete spare wheel made up and ready to go). Take the removed wheel back to the workshop and do an internal inspection to confirm the state of the wheel. This should give a good indication of the state of all of the wheels on the machine.



The picture on the left hand side is the new model (post 2013). If you have this model then no washer is required.

Wheel Assembly Instructions Please read this fully before fitting the new seals.

If you purchased your press wheels pre 2013 they are most likely going to be an older version of the rim. This rim was originally designed to be used with the 2 piece Marine type seal, with a tap in stainless steel ring. The rim will have a recessed area that the stainless steel ring used to tap into. (Additionally if your wheels are over 10 years old they were also designed to be used with the marine seal however they won't have the recessed area. If you have this older version and you want to fit the new seal, then please call and we can advise on the procedure to fit the new seal.) If you are running cast steel hubs with holden bearings on your coulters or press wheels or on other farm equipment you can also take advantage of our new seal, you will however need to fit the spacer washer as well to ensure the seal does not touch the back of the bearing. (this seal will also work in Ford hubs, but only if they have Holden Bearings Fitted. The seal will not work with Ford/Slimline bearings.

If you have the type of rim with the recess (see picture below) then you will need to fit the supplied washer onto the new seal before tapping the seal into the back of the hub. The washer acts like a spacer to prevent the seal pushing in too far and interfering with the bearing. Before fitting the washer check that the seal will be a good fit by pushing it into the seal cavity, if it is not a good fit ie goes in too easily then give us a call to discuss options. Assuming it is a good fit then fit the washer onto the seal, do this by slowly tapping it down with a punch until the washer fits tight against the back face of the seal. The seal and washer can now be tapped into the back of the hub as per STEP2 to STEP4. For slightly better protection you can also add a small amount of silicon onto the inside face of the steel washer where it comes into contact with the back of the recessed area in the hub.



The picture above is the model (pre 2013). It has the recessed area and needs to have the spacer washer (pictured above fitted)

## Changing Press Wheel Tyres

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Changing press wheel tyres is a very quick and easy procedure, we recommend a battery or air rattle gun be used. Tyres can be changed in-situ without having to take the wheel off the assembly and without exposing the bearings (except nylon bush wheels, these will need to be removed from the gang first).

Simply undo the bolts and nuts and then use a tyre lever (screwdriver) to prise the outer rim off. Once off peel the old tyre off the rim and clean away any built up mud from inside the rim. Fit the new tyre and then replace the outer rim. On semi-pneumatic tyres you should then be able to fit the nuts and bolts by hand. For solid tyres you may need to use a drawbolt. Never fully tighten one nut at a time, rather gradually tighten, going around the rim several times. Failure to do this may crack the rim.

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## Tyre Pressure

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There are many variables to consider when setting pressure and while several rules of thumb are available, setting for your own conditions at the time of planting is the most reliable. Recommended pressure should be between 2 and 4 kg per cm of tyre face, use the notes below to help determine optimum. Optimum press wheel pressure depends on soil type, soil moisture level at planting, crop type and time of planting. Generally lower pressures are used in wet soils and pressure increased for drier planting. Lower pressures are required in lighter sandier soils than heavier clays. As a result it may be a requirement to vary pressures for different areas on the same property, particularly if heavy clays and sandy soil are both present.

Most importantly the press wheel must close the planting slot. If you inspect the job and can see seed in the bottom of the trench then the press wheel is not doing its job. This scenario can occur in very puggy wet clay soil types. You either have to increase press wheel pressure or change to a more aggressive tyre point or a combination of both. After that criterion is satisfied (trench closed) then the next test is the seed has to finish up into firmed moist soil and for most seeds about 20-25 mm below the press wheel mark. A layer of loose soil on top of the press wheel track will assist in preserving moisture and preventing the tyre track from setting herd. Some soils will flow naturally or be assisted by following with ticklers or lengths of chain (snake chain).

Always check your calculated weight with the press wheels in the paddock at the intended working depth, this can be done with a spring scale or a set of bathroom scales. If the trench is properly closed then ease the pressure off, particularly for sensitive seeds. This will reduce the load on tyres, bearings and other components.

Pressures at the higher end of the recommended ranges should be used when:

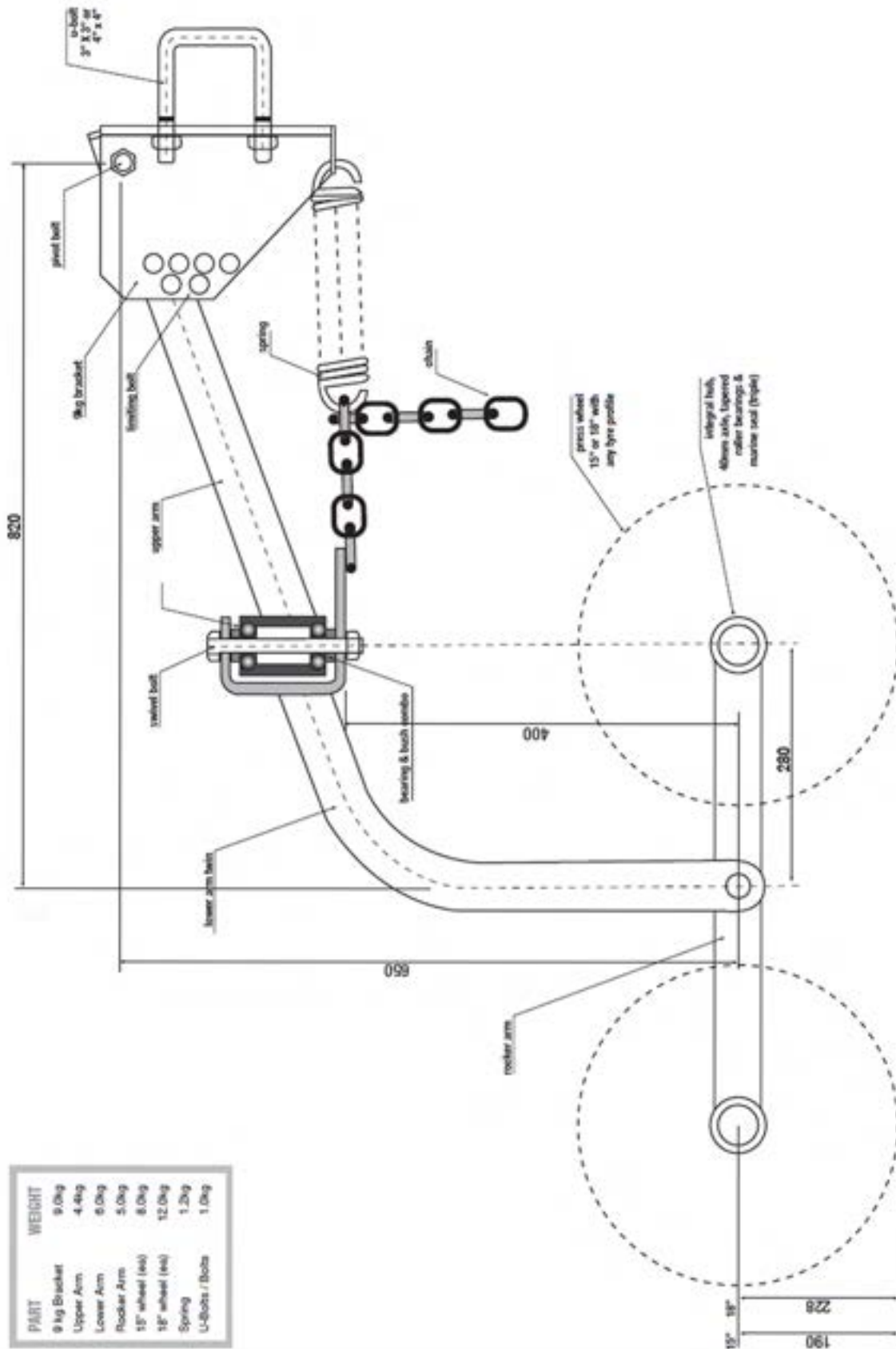
- Zero till planting into sticky clay soils.
- Soil moisture is marginal and planting depth must be increased.
- High soil insect population exists.

Pressure at the lower end of the recommended ranges should be used on poorly structured soils with hard setting characteristics. Too much consolidation of soil over the row may impede the emergence of the young shoot as well as causing surface crusting.

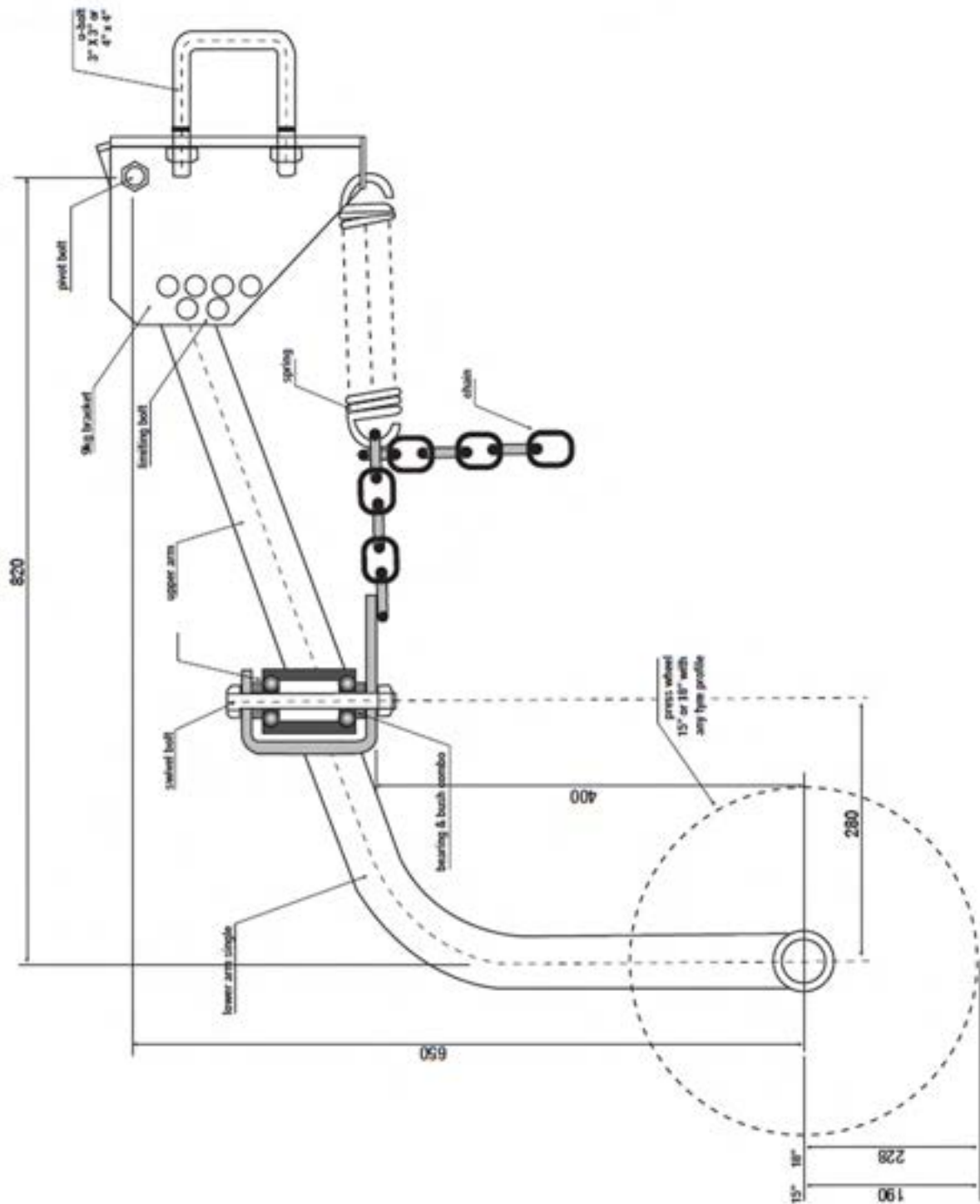
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# Twin Walking Wheel Assembly



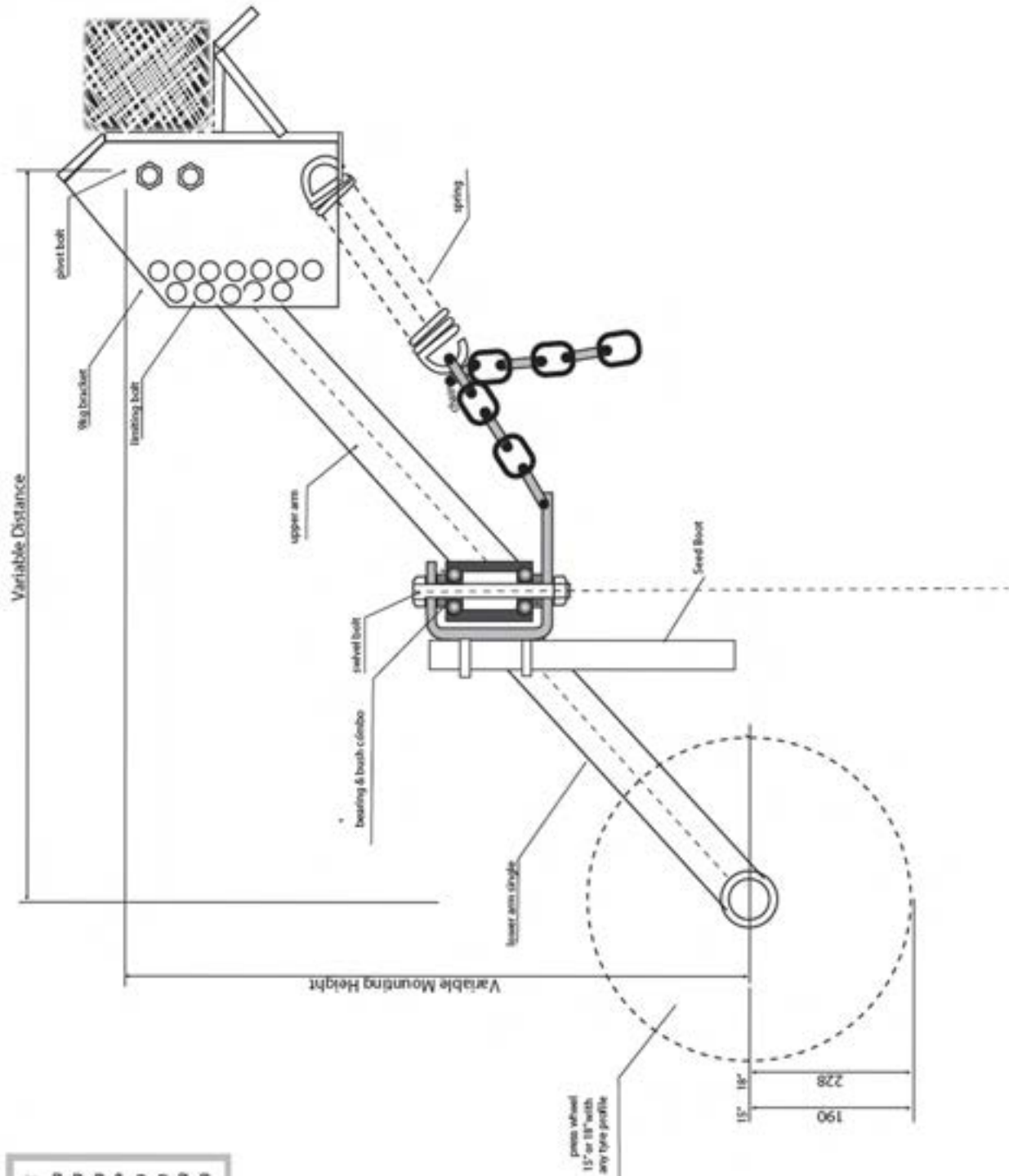
# Single Walking Wheel Assembly



PART	WEIGHT
9 kg Bracket	9.0kg
Upper Arm	4.4kg
Lower Arm	6.0kg
Roller Arm	na
15" wheel (ea)	8.0kg
18" wheel (ea)	12.0kg
Spring	1.2kg
U-Bolts / Bolts	1.0kg

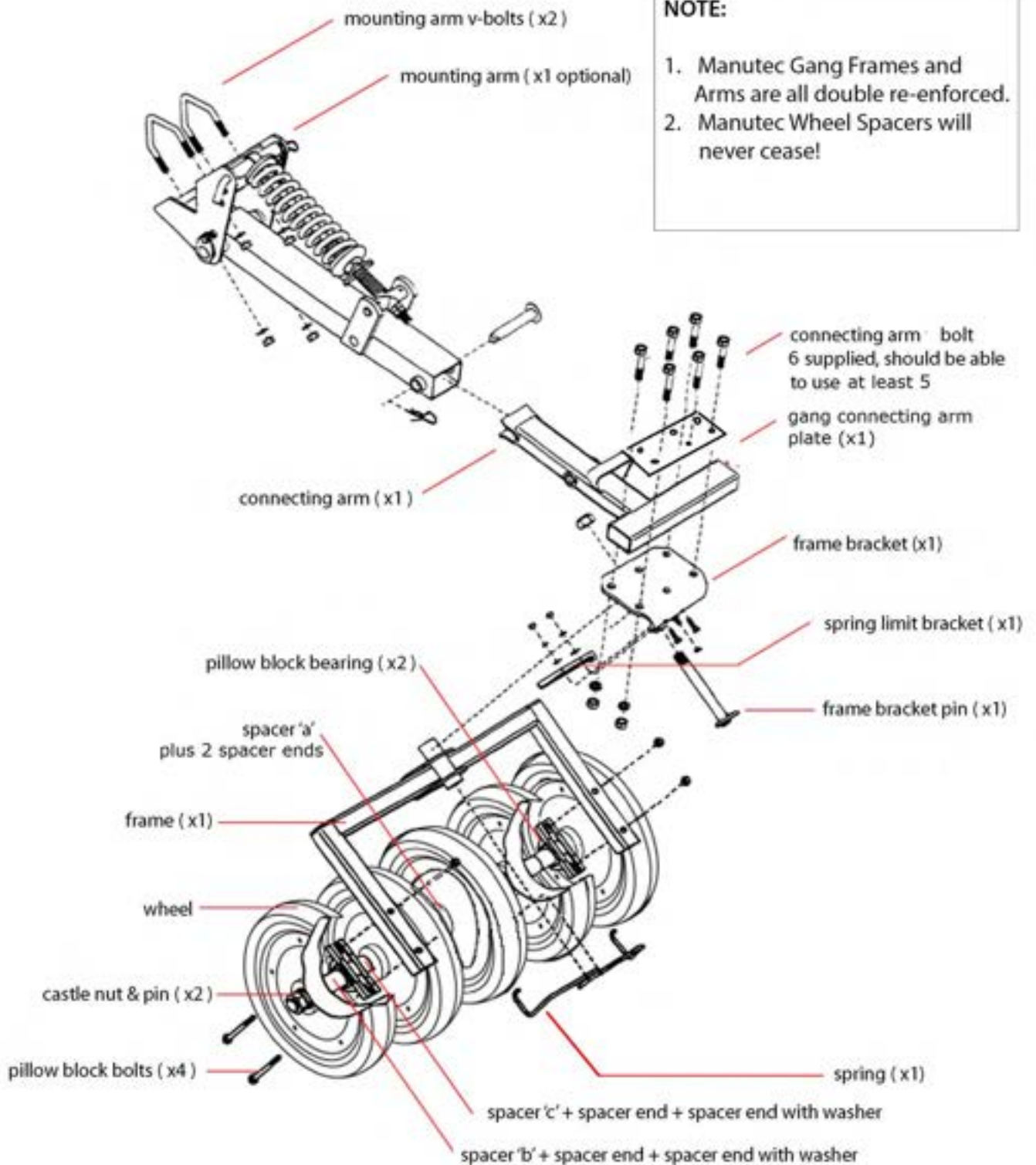


# In-Frame Tyne Press Wheel Assembly And Seed Boot



PART	WEIGHT
Bracket	8.0kg
Upper Arm	4.4kg
Lower Arm	4.0kg
Roller Arm	na
15" wheel (na)	6.0kg
18" wheel (na)	12.0kg
Spring	1.2kg
U-bolts / Bolts	1.0kg

# Gang Breakdown



## NOTE:

1. Manutec Gang Frames and Arms are all double re-enforced.
2. Manutec Wheel Spacers will never cease!

(You can have these either side depending on which way you want the grease nipples on the pillow blocks to face).



## PRESS WHEEL TYRE SELECTION GUIDE

### Introduction

This document has been prepared by Manutec for use by farmers to assist them in selecting the best press wheels for their circumstances. The information in this document is a combination of practical experience and scientific research. Scientific basis comes from a variety of research documents produced by the government agricultural research agencies of SA, WA, VIC, NSW and QLD and the practical from over 20 years of manufacturing and developing press wheels.

The use of press wheels is an important step in increasing efficiency and durability of seed emergence. Used correctly they can typically increase emergence by 10% to 25%, improve speed of emergence and improve seedling durability. Tyre pressure over the seed trench gives better seed soil contact, reduces the speed of soil drying, maximises moisture availability and helps to optimise use of existing sub soil moisture.

Advantages of press wheels are:

- Increased seed soil contact.
- Moisture maximisation.
- Increased local soil compaction, which restricts insect movement and consequent damage to seed and seedling.
- Reduced emergence depth by decreasing the distance between the seed and seedbed surface.
- Allows a range of point/boot/wheel combinations
- More uniform soil coverage across the width of a planting machine is ensured.
- The seed furrow is closed to prevent surface light penetration, particularly on heavier soils. This can cause premature sub surface leaf emergence.
- Smaller falls of rain are concentrated into the seed furrow, thereby promoting faster secondary root development.

Many of Manutec's customers also report a wider range of local advantages that they have found when using press wheels.

There is also a counter argument from some farmers that press wheels don't work, this number is reducing each year however often this argument is developed after a bad experience. Often the assembly or the whole press wheel concept will be blamed, when really the problem was that the press system used was not designed to work in the conditions that it was being used in. Often simply by changing the tyre shape or composition a completely different result can be achieved. One of the advantages of the Manutec system is that we do not believe in a one system fits all farming scenarios and we try to tailor our product for each customer. Even if for whatever reason the first solution may not be the best it is relatively easy to fine tune the system with a different tyre. So it is important to talk to us and your neighbour's before making your final decision. Be wary of the manufacturer that promises a one solution fits all solution, because it doesn't exist.

In a no-till/direct drill or disc seeder planting situation press wheels are essential in most soil types, however the behaviour of the press wheel will vary considerably. The decisions and thought process involved in choosing and setting up press wheels is very important. The wrong decision can prove to be costly both in terms of equipment cost but also in terms of benefits in increased yield. When buying equipment fitted with press wheels, do not leave this decision up to the dealer or manufacturer unless they have considerable experience with what works in the area concerned. Also when buying secondhand equipment with press wheels fitted that originates from another area, don't expect that it is going to work in your conditions without some alterations. Again please call us for advice.

Before choosing the press wheel, it is important to consider the following list of factors, each of these factors will have a range of implications and by going through each factor, different wheels can be ruled in or out.

- Soil Type
- Sand, loam, self wetting, self mulching, clay (red, grey, black)
- Prevalence of Rock
- Abrasiveness to rubber
- Amount of top soil
- Tendancy to Clod
- Worked or unworked
- Typical Rainfall during germination/establishment period
- Existing soil moisture and depth of sub soil moisture
- Type and width of point
- Seeding Method
- Single row, split row, spread row
- Deep (3"+), Medium (2"-3") or Shallow (less than 2") Depth Seeding
- Row Spacing
- Speed
- Dry sow, wet sow or both
- Tramline (up and back), round and round or both
- Tine or disc
- Crop Type
- Small, medium or large seed
- Pressure sensitive
- Depth Sensitive
- Next year crop/stock rotation
- Fallow
- Sheep
- Cattle
- Same/different crop
- Trash Levels
- Machine Type
- Hydraulic Lift
- Weight Sensitivity
- Inframe and Under Frame Clearances
- Breakout type and pressure
- Tyne Layout
- Obstructions (wheels, cross members, hydraulics)
- Air Cart/Seed Box position (Front/Top/Behind)

Manutec can help to go through all of these issues and answer any questions that you may need answers to.

**Tyre Shape/Profile**  
 The shape of the press wheel tyre will depend on a number of the above factors, the most common shapes and the characteristics of each are below. Note that it is important that the decision process regarding the points to be used is also done in conjunction with the press wheel selection process.



Broad/medium Wedge (3" -80mm and 4.5" – 120mm overall width, 1" flat tip)



- Available in Hi-Flex, Semi-Pneumatic, Semi-Solid and Full Solid Rubber
- Available in 15", 16" and 18" diameters
- Also available to suit Morris, Bourgault, Flexicoil and John Deere Parallelograms
- A new high sidewall version of this tyre is also now available, to reduce rooster tailing
- A High Flex version is available to suit DBS machines operating in very sticky soils.
- Used extensively in most regions where mixed soils, mixed crops and varied rainfall is the norm
- Good moisture seeking and moisture harvesting properties
- Good depth control in medium to light soil structures
- Good all purpose profile gives a good balance between seed soil contact and moisture harvest
- Ideal for single narrow row seeding
- Good tracking characteristics
- Above average wear and durability (Semi-Pneumatic variant)
- Average to good mud shedding capability (Semi-Pneumatic and Hi-Flex variants)
- Good wear and durability (Solid and Semi-Solid Variants)
- High pressure tyre
- Good for mixed condition and mixed crop farming.
- Good for medium and Shallow seed depth
- Good for medium seed size, ok for small seed.
- Will give a good to average result in most conditions
- Tendency to leave paddocks rough
- All regions – very widespread
- Semi-Solid variant used extensively in disc machines
- Can be used (with caution) for 3" spread seed.

Wide Flat (sometimes referred to as square) (4"-100mm and 5"-120mm overall width)



- Available in Hi-Flex, Semi-Pneumatic and Solid Rubber in 4" and 5" widths
- Also available to suit Morris, Bourgault, Flexicoil and John Deere Parallelograms
- Also now available with high sidewalls to reduce rooster tailing
- New high sidewall with raised centre section for paired row seeding.
- Also available to suit John Deere, Flexicoil and Bourgault Air Hoe Drills
- Available in 15" and 18" diameters on standard press wheels
- Available in 16", 21" and 22" in Aftermarket parts.
- More common in areas of above average rainfall or in sandy soils
- Very good seed soil contact
- Good depth control in medium to light and sandy soil structures
- Good scattering of loose soil above pressed seed.
- Ideal for spread row or split seeding from 3" to 4" spread
- Good for Shallow Seeding
- Good for Small seed.
- Good mud shedding capability (Semi-Pneumatic variant)
- Very Good mud shedding capability (Hi-Flex variant)
- Average wear and durability (Semi-Pneumatic variant)
- Good wear and durability (Solid Variant)
- Low pressure tyre
- Does not handle "cloddy" soil well
- Can shoulder out in some conditions (ie not press into the seed trench)
- Doesn't leave paddocks rough
- Good for canola and other small seeds
- Regions – Northern WA, Eastern and Central Victoria. Hi-Flex version very popular in Clermont (QLD)

Rounded (3"-75mm and 4"-100mm overall width)



- Available in Hi-Flex (4" – 100mm), Semi-Pneumatic (3" -75mm and 4"-100mm and 5" – 120mm and 5.5" – 135mm), Semi-Solid (4"-100mm) and Solid (3.5"-90mm) rubber.
- Available in 11",12",15" and 16" diameters.
- Versions also available to suit Morris, John Deere, Flexicoil and Bourgault Parallelograms
- High Sidewall versions now available to reduce rooster tailing
- Versions available to suit DBS to enable paired row seeding
- Used as a trade off (half way) between wedge and flat profiles
- Properties similar but not as pronounced as compared to the wedge and flat
- Medium Pressure Tyre
- Semi-Pneumatic handles sticky soils well and has medium durability
- Solid has very good durability
- Wont leave paddocks as rough
- Good for small to medium seeds.
- Regions – Semi-Pneumatic Central Victoria, Solid and Semi-Solid West Coast SA and WA
- 4" version good for spread and split row from 3" to 4"
- 4" version very popular on JD1870 machines

Wide Wedge (4"-110mm overall width, 1.5" flat tip)



- Available in Semi-Pneumatic and Solid Rubber.
- Available in 15" and 18" diameters
- Above average moisture harvesting properties
- Good depth control in light and sandy soil structures
- Helps to reduce sidewall collapse
- Good all purpose profile gives a good balance between seed soil contact and moisture harvest
- Will help to reduce sidewall collapse in Sandy Soils
- Good tracking characteristics
- Above Average wear and durability
- Low pressure tyre
- Average to good mud shedding capability
- Popular for use with Stiletto and Rootboot seeding systems
- Good for spread and split row from 3" to 4"
- Does not handle "cloddy" soil well
- Will not leave paddocks as rough as the 3" wedge
- May shoulder out in heavy soils or behind some knife points.
- Good for medium and small seeds
- May require ticklers/snake chain to give some soil scatter over pressed seed
- Regions SA Mallee, SA West Coast, Central and Northern WA



Narrow Wedge (2"-55mm overall width, 3/4" flat tip)



- Available in Semi-Pneumatic, Semi-Solid and Solid rubber
- Available in 15" and 18" diameters
- Used extensively in NSW and QLD
- Very Good moisture seeking and moisture harvesting properties
- Good depth control in heavy soil structures
- Poor depth control in light soil structures
- Good seed soil contact when drilling deep with narrow tyre
- Good for cereal and larger seeds.
- Ideal for single narrow row seeding
- Good tracking characteristics
- Semi-Pneumatic has Average to low wear and durability, solid has very good durability
- Semi-Pneumatic has good mud shedding capability, but the solid does not
- Semi-Pneumatic doesn't handle dry seeding very well, but the solid does
- High pressure tyre
- Tendency to leave paddocks rough
- Regions Southern Queensland and Northern NSW
- Used for deep drilling into moisture.

Medium and Narrow Flat (sometimes referred to as square) (2"-55mm and 3"-80mm overall width)



- Available in Semi-Pneumatic, Semi-Solid and Solid rubber
- Available in 13", 15" and 18" diameters
- More common in areas of above average rainfall
- Very good seed soil contact
- Good depth control in medium to light and sandy soil structures
- Good scattering of loose soil above pressed seed.
- Semi-Pneumatic has very Good mud shedding capability, handles clay very well
- Semi-Pneumatic has Average to Low wear and durability, does not like dry seeding.
- Solid has good wear and durability, but does not handle the sticky soils as well.
- Low to Medium pressure tyre
- Does not handle "cloddy" soil well
- Doesn't leave paddocks rough
- Regions Southern Queensland and Central Northern NSW

Other Tyre Profiles

- Narrow Dome/Vee (2")
- Ribbed (3")
- Broad Dome/Vee (3")
- Gauge Wheels

## Tyre Diameter

Often we get asked why we have all of the different diameters, really it is history. When press wheels first started being used in a particular region, generally that size was then adopted by other farmers in the same region. Hence today we still see a concentration of the same wheel size in unique regional areas. After many years of use it is now easier to quantify the advantages of each wheel size. The main trend that we are seeing however is increased land area that is being cropped by the average farmer and increased amounts of dry seeding. Coupled with this is a culture of less time to spend on maintenance. As a result wheels are now required to do more work, in harder conditions and with less maintenance than was the case 10 years ago. With this trend the bigger wheels start to show advantage over the smaller ones because they give improved durability.

The tyre diameter used can be an important factor in areas where tyre performance is marginal. A larger diameter tyre may give better cleaning as the rubber will flex more. Some customers also like the larger rolling diameter as it will increase the mean time between failures of components such as bearings and tyres. In situations where a higher than normal pressure is required the larger diameter may help due mainly to its increased weight and in high trash environments the larger diameter may improve trash flow, by increasing the ground clearance of trash collecting parts such as frames and axles. Diameter is not normally a critical factor, however anecdotal evidence from customers is that the bigger diameter wheels perform better and are lower maintenance.

Additionally we are seeing an increase in the amount of deep drilling into moisture, particularly in NSW. The bigger diameter wheels with the narrow tyres will allow the wheel to be able to run at depth without the seal being dragged through the dirt.

Manutec does a range of tyre diameters, these are broken down in three nominal sizes, 15", 16" and 18". When we talk about diameter of the wheel we always refer to the nominal outer diameter of the tyre. The 15" and 16" tyres both fit onto the standard 15" rim, the actual rim diameter is about 12", ie they are interchangeable with each other. The 16" tyres have an additional half inch of rubber all way round, which may improve cleanability (semi-pneumatic variants) and wearability (solid variants). The 18" tyre/wheel has a different rim size and the rim is about 15" in diameter. This can be confusing to some, so if you are confused give us a call. The main use of the standard 16" tyres is on Conservapak and JD1870 machines. We also now have a new high sidewall range of 16" tyres, due to the higher sidewall of rubber we have had to make the rim with these a smaller diameter which is approximately 9". We also have a range of 13" tyres that also fit onto a smaller rim, as well as aftermarket tyres for DBS, John Deere, Bourgault, Flexicoil and Conservapak that are designed to fit onto the original OEM rims.

### Tyre Material and Composition

The tyre material and composition chosen will depend on three main factors;

- Soil Stickiness
- Durability
- Soil/Rubber abrasion

The most common material is a softer more flexible compound in a semi-pneumatic tyre that gives the tyre a good self cleaning capability and reduces the need considerably to use scrapers. This material is however not as durable and will not handle stone, wire, wood as well as harder compounds, this material will also wear out at a faster rate. The final decision is almost always a trade off as most farms have a wide cross section of soils, rock, clay that needs to be dealt with. Generally the trend is toward the softer tyre as the mud and clay is often considered the factor that dominates choice. Expect an average of 10% tyre wear/replacement per year if using semi-pneumatic tyres. This will vary depending on acreage and soil abrasiveness.

Traditionally the harder material in a solid tyre was favoured, however in recent years this has changed considerably with many farmers changing from hard solid tyres to the soft semi-pneumatic ones. If however durability is the pre-dominant factor then hard tyres should be used. Scrapers will most likely be required.

The trend for at least 50% of the crop to be dry sewn and the remainder wet sewn creates a further dilemma as ideally a hard tyre should be used for the dry sew and a soft semi-pneumatic tyre for the wet sew. This is because dry sewing is much harder overall on all machine components including the press wheel tyres and soil build up should not be a problem. This gives four possible options for the farmer.

- Hard Tyre (Scrapers in heavy wet conditions)
- Soft Tyre (Wear tyres out quickly due to dry sewing)
- Two sets of tyres – hard and soft (Ideal Scenario)
- Semi-Solid Tyre



The Semi-Solid tyre is a trade off where the softer material is used and the wall thickness more than doubled. This is used extensively behind disc machines where the tyre is used more for closing than pressing and in areas of high rubber abrasion (Grey and Black Soils). It is not normally recommended as it is an in between material that will not produce the best result in either hard or soft conditions. The farmer should also consider carefully in what order paddocks sewn, taking into account the varying soil structures and moisture levels.

For extreme sticky conditions we do a Hi-Flex tyre, which is very soft and designed to give the maximum level of cleanability in clay soils. This tyre should never be used in dry or rough conditions. This tyre is a "get out of jail" tyre for parallelogram machines if the season has a wet start and the fitted tyres aren't coping. The 100mm Hi-flex tyre has become very popular around Clermont (QLD- Sticky Sealing Clays) as it both copes with the extremely sticky soils as well as providing a low pressure press to reduce the opportunity for the clay soils to compact too much over the seed. Many farmers do not like the idea of two sets of tyres or wheels because of the cost. For a 50 tyre machine the average cost of a second set of tyres is \$3000 and the time taken to change the tyres is about 3 hours. Alternatively a second set of wheels would cost on average about \$7000 and in most cases these could be replaced in about 2 hours. A second set will however result in lower costs, a better result and less down time.

#### Tyre Pressure

There are many variables to consider when setting pressure and while several rule of thumb are available, setting for your own conditions at the time of planting is the most reliable. Recommended pressure should be between 2 and 4 kg per cm of tyre face, use the notes below to help determine optimum.

Optimum press wheel pressure depends on soil type, soil moisture level at planting, crop type and time of planting. Generally lower pressures are used in wet soils and pressure increased for drier planting. Lower pressures are required in lighter sandier soils than heavier clays. As a result it may be a requirement to vary pressures for different areas on the same property, particularly if heavy clays and sandy soil are both present.

Most importantly the press wheel must close the planting slot. If you inspect the job and can see seed in the bottom of the trench then the press wheel is not doing its job. This scenario can occur in very puggy wet clay soil types. You either have to increase press wheel pressure or change to a more aggressive tyne point or a combination of both. After that criterion is satisfied (trench closed) then the next test is the seed has to finish up into firmed moist soil and for most seeds about 20-25 mm below the press wheel mark. A layer of loose soil on top of the press wheel track will assist in preserving moisture and preventing the tyre track from setting hard. Some soils will flow naturally or be assisted by following with ticklers or lengths of chain (snake chain).

Always check your calculated weight with the press wheels in the paddock at the intended working depth, this can be done with a spring scale or a set of bathroom scales. If the trench is properly closed then ease the pressure off, particularly for sensitive seeds. This will reduce the load on tyres, bearings and other components.

Pressures at the higher end of the recommended ranges should be used when:

- Zero till planting into sticky clay soils.
- Soil moisture is marginal and planting depth must be increased.
- High soil insect population exists.

Pressure at the lower end of the recommended ranges should be used on poorly structured soils with hard setting characteristics. Too much consolidation of soil over the row may impede the emergence of the young shoot as well as causing surface crusting.

Many new parallelogram machines are using hydraulic pressure to control the pressure. On most machines this pressure is very high and significantly higher than those recommended above. As a result some of these machines require a hard and wide tyre to be able to absorb the excess pressure. Without this the tyres would "bulldoze" the seed too deep and the tyres would also wear out very quickly, ie the higher the pressure the greater the tyre wear and greater the risk of tyre damage

## Other Wheels and Tyres

In addition to standard press wheels Manutec also does a range of Gauge wheels, planter wheels and replacement OEM parts. Below are some of the options, call us for the complete range as we have tyres to suit more than 90% of Australian Agricultural machinery, if we do not have it we may have an alternative or we may be able to make it for you.

- John Deere and Flexi-Coil – Air Hoe Drill Replacement Tyres, Planter Wheel and Gauge Wheel replacement.
- Flexi-Coil/Bourgault/Morris/Ezee-On – Gang Press Wheel Replacement
- DBS – Hi-Flex tyre for use by DBS machines in sticky soils and also a wide thick tyre for use with Stiletto boots/spread seeding on DBS machines.

Manutec has also developed the Mud Razor range of Disc Seeder Gauge wheels that have a scraper built into the face of the tyre and spoked rims. These are very popular on John Deere Single and Double Disc Openers.

### Purpose Built Wheels and Tyres

Each year Manutec manufactures tyres and wheels that are designed or "tweaked" specifically for use in an individual farmers conditions or on a particular type of machine. Occasionally these tyres then become a main stream product that we can make available to other farmers in similar circumstances. If the tyres/wheels are not giving the best result, are wearing out too quick, are clogging up with mud, or burying the seed too deep, or some other problem then give Manutec a call in the off season. Normally we can design and manufacture a new tyre in around 3 months. Recent examples of this are new tyres for JD1870, JD1860, JD1890, JD1830, MaxEmerge, Serafin, Morris and DBS machines. We also work closely with a number of Australian and New Zealand Farm Machinery manufacturers to develop wheels for their machines.

### Hub Type

There are seven main types of press wheel hub.

- Integral – One piece cast alloy unit with tapered roller bearings (HT) to suit a 40mm round or square stub axle, agricultural grade seal and inbuilt dust cap protection. Narrow hub profile.
- Zero Maintenance Agri-Hubs – A fully sealed, fully assembled hub. No maintenance required for the life of the hub. Repair by replacement. A more expensive option upfront, with maintenance savings over the life of the hub.
- HT – Separate cast steel hub, same bearings and seals as Integral, 40mm round or square stub axle, separate dust cap protector. Wide and Narrow Hub profiles available (Narrow profile uses Integral stub axle). We can also do Ford and BMW patterns if required.
- HT Planter – Separate cast hub (steel and alloy versions available), sealed bearings and seals, 16mm round axle or bolt, separate dust cap protector. Suits our range of planter wheels and John Deere replacement parts.
- Flange Bearing – Wheel designed so that two bolt on flange bearings can be fitted. Can be used as replacement for other flange design press wheels such as Jaenke.
- Sealed Bearing (Double Bearing) – two sealed ball bearings either with or without locking collars. Bearings available to suit a range of shaft sizes. Normally used with A-Frame design shaft. A version of this is specifically available as a replacement for JD1870 and Conservapak wheels.
- Sealed Bearing (Single Bearing) – one sealed wide race ball bearing. Bearings available to suit a range of shaft sizes. Normally used with bolt stub axle. The most common size is 16mm or 5/8th bolt. Commonly used on John Deere machines.
- Nylon Bush – Nylon Bush centre to suit either 25mm or 32mm shaft size. Normally used in conjunction with straight through gang shafts running on separate pillow block bearings.

For advice on the most appropriate system to use contact Manutec, 08 8260 2277.

Manutec also has a range of press wheel assemblies.

### Assembly Type

There are four main types of press wheel assembly.

- Trailing Swivel/Fixed, individual assemblies.
- Trailing Swivel/Fixed, twin assemblies.
- Inframe Swivel/Fixed, individual assemblies.
- Gang Assemblies.
- Fixed, Adjustable and Semi Adjustable Tyne Mounted Assemblies.

For advice on the most appropriate system contact Manutec, 08 8260 2277.

#### Disclaimer

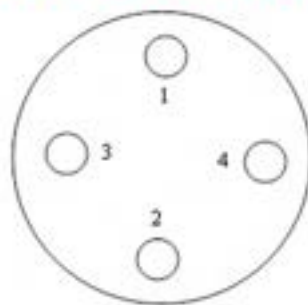
The nature of press wheels is that they will give very different results across a range of farming techniques, machinery combinations, environmental conditions and soil types. The advice in this document is general in nature and is not to be used as the sole source of information when choosing press wheels. It is strongly advised that this is used in conjunction with with either specialist local or practical knowledge to determine the best configuration for individual circumstances. If this is not available then a series of short trials is recommended to give actual performance characteristics in individual conditions.



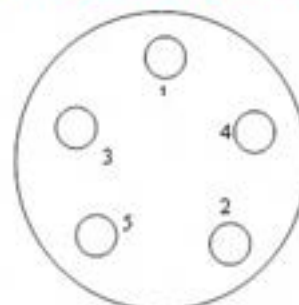
## Identifying Stud Patterns

Wheel Type	Stud Diameter	Number of Studs	PCD (Inches)	PCD (mm)	Centre of Adj Studs (Inches)	Centre of Adj Studs (mm)
Gemini	7/16"	4	-	100.00	213/16"	70.70
Mini	7/16"	4	4"	101.60	213/16"	71.84
Capri	7/16"	4	41/4"	107.95	3"	76.33
Cortina/Telstar	7/16"	4	41/4"	107.95	3"	76.33
Datsun 1600	7/16"	4	41/2"	114.30	33/16"	80.82
Early Ford	1/2"	4	41/2"	114.30	33/16"	80.82
Toyota Corona	7/16"	4	41/2"	114.30	33/16"	80.82
Valiant to 71	7/16"	5	4"	101.60	23/8"	59.72
Holden HT HG HK	7/16"	5	41/4"	107.95	21/2"	63.45
Ford	1/2"	5	41/2"	114.30	25/8"	67.18
Valiant to 71-72	7/16"	5	41/2"	114.30	25/8"	67.18
Commodore	7/16"	5	-	120.00	2 3/4"	70.53
Holden HQ HJ HX	7/16"	5	43/4"	120.65	213/16"	70.91
F100	1/2"	5	51/2"	139.70	31/4"	82.11
Ford-Jeep	1/2"	5	51/2"	139.70	31/4"	82.11
Land Rover	5/8"	5	61/2"	165.10	313/16"	96.98
Land Cruiser 4WD	1/2"	6	51/2"	139.70	23/4"	69.85
Nissan Patrol	1/2"	6	51/2"	139.70	23/4"	69.85
Land Cruiser 100 Series	9/16"	5	-	150.00	-	88.17
AgriHub (4H)	M12	4	-	98.00	-	138.6
AgriHub (5H)	M12	5	-	98.00	-	115.2

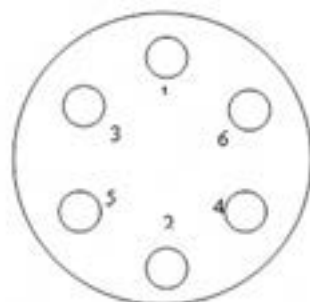
## Nut / Stud Tensioning Sequence



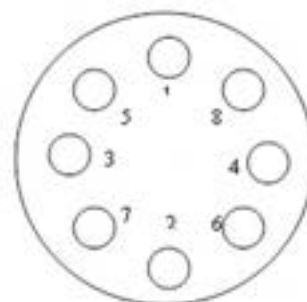
4 Stud



5 Stud



6 Stud



8 Stud

## Wheel Terminology

### BEAD SEAT

Position where the tyre rests on the inside and outside of wheels and seals the air.

### CENTRE BORE HOLE

The diameter of the centre bore hole is critical to ensure correct placement of wheel on vehicles centre hub or spigot.

### CENTRE BORE LOCATING RING (CBL RING)

A CBL ring can be inserted into the wheels centre bore to reduce the bore size down to accommodate the wheels hub or spigot size. This is mostly found on front wheel drive vehicles or vehicles that require stud bolts (e.g., Mercedes, BMW, Daewoo etc.)

### CENTRELINE

Half of the overall wheel width.

### MAG WHEEL

Commonly misused term to describe Aluminium Wheels. Very little Magnesium exists in Alloy Wheels. (True Magnesium Wheels are still made and are mainly used for Racing because of their weight.)

### MOUNTING FACE (Also known as Mounting Plate or Boss.)

This term is used to describe the back of the wheel that comes into contact with the hub flange or brake drum assembly.

### NEGATIVE OFFSET

Indicates the mounting face is behind the centre line of the wheel or rim. Most often found on standard rear wheel drive vehicles.

### OFFSET

The distance between the mounting face and the centre line of the wheel. This distance is deemed POSITIVE when the mounting is outboard of the centreline. The NEGATIVE term is used when the mounting face is inboard of the centreline.

### P.C.D. (Pitch Circle Diameter)

The diameter of an imaginary circle drawn through the centre of each bolt hole. The diameter is called P.C.D.

### POSITIVE OFFSET

Refers to wheels where the mounting face is (outboard) of the centre line of the wheel. Most often found on front wheel drive vehicles.

### REAR SPACING

This term is quite often mistakenly believed to be OFFSET. It is the measurement from the mounting face to the inner wheel edge. This measurement is taken by placing a straight edge across the inner wheel edge and measuring the distance from it to the mounting face.

### WHEEL DIAMETER

Is the vertical height of the wheel measured for the bead seat. (Not from the edges of the wheel) a 15" wheels is actually 16" in diameter when measured from the wheel's extreme edges.

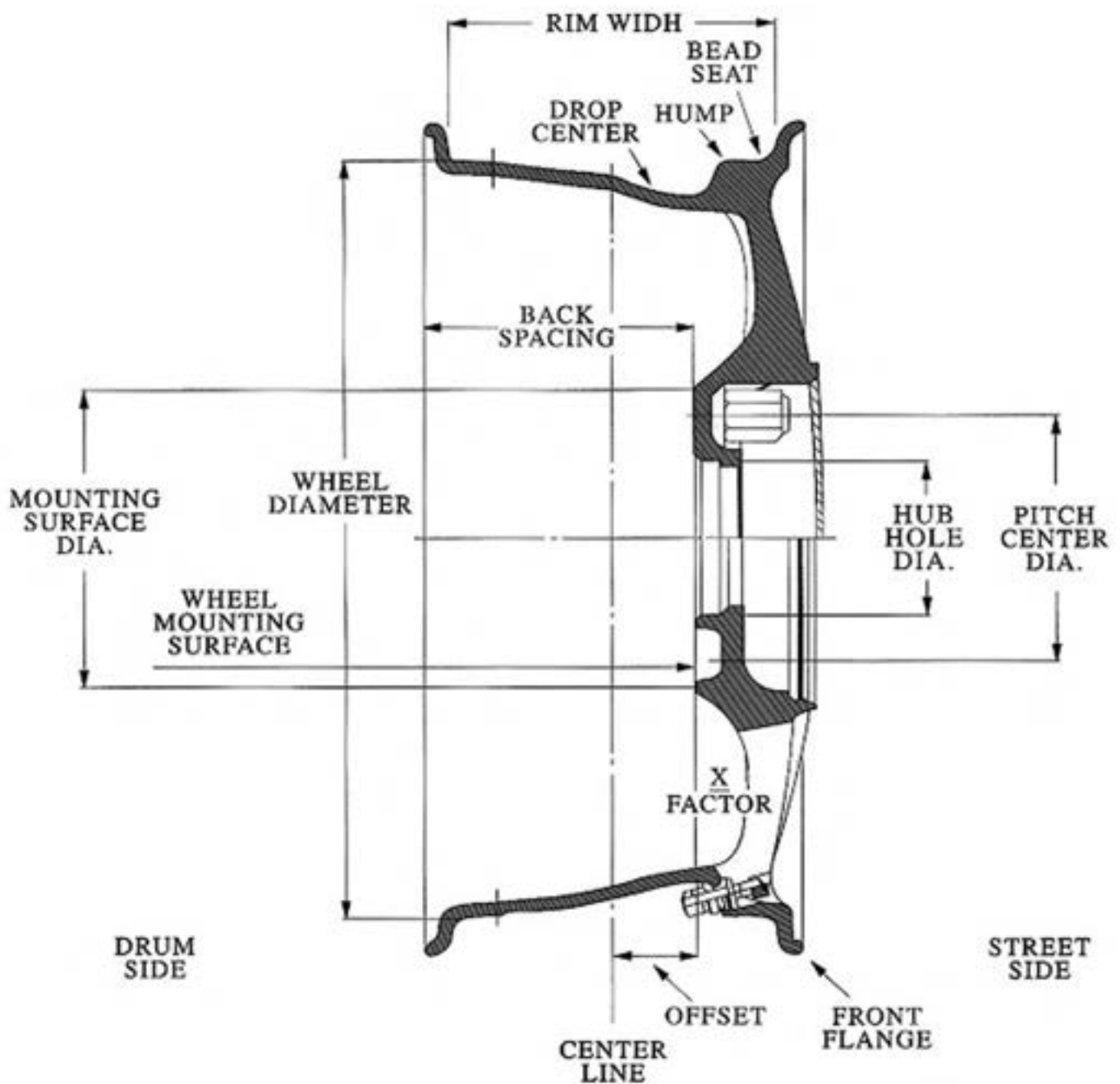
### WHEEL WIDTH

Is the horizontal width of a wheel measured from the bead seat (Not from the edges of the wheel). A 14x6 wheel is actually 7" due to the extra ½" wheel flange sections.



## How To Measure Offset And Backspacing

In order to measure backspacing, position the un-mounted wheel face down on a flat surface. Place a straight edge across the rear rim flange, at the centre of the rim opening. Using a second ruler measure the perpendicular distance from the bolt on face to the bottom edge of the rim-contacted straight edge. This measurement represents the backspace.



## How To Read A Sidewall

The sidewall of your tires contains a great deal of information, including the manufacturer, its brand name and the type of construction. But what do the rest of the numbers and symbols mean? To find out, just click any of the codes shown our sample tire:



### Vehicle Rating

The vehicle (or application) rating indicates the type of vehicle for which the tire is designed. In our example, the "P" indicates that this tire is designed for passenger vehicles. Other codes include: "LT" (Light Truck), or "T" (Temporary), which indicates that a tire is designed as a spare, to be used for short distances only.



### Aspect Ratio

The first number in this group indicates the width of the tire, measured from sidewall to sidewall, in millimetres.

The second number gives the sidewall height as a percentage of the width. In our example the tire is 215 mm wide, with a height that is 65 per cent of the width. Based on the calculation  $215 \times 0.65$ , the tire in our example has a sidewall height of 139 mm. It is important to make sure your vehicle's tires are all the same size.



### Construction Type

The "R" in the example above indicates a radial tire. Other codes you might find include: "B" for belted bias "D" for diagonal bias



### Diameter

This code shows the diameter of the tire, in inches. Our sample tire in this illustration is 15 inches across.



### Load Index

The load index describes how much weight the tire can carry at maximum inflation pressure. The number shown here is a code, not the actual weight measurement. The code of 89 indicates that this sample tire can support a maximum of 580 kilograms. The load index codes range from 0 to 279 with the majority of passenger tires rated between 70 and 110.

In all instances the tyres load index must meet or exceed the value displayed on the vehicles placard.

Load index	Load in Kg per tyre	Load index	Load in Kg per tyre	Load index	Load in Kg per tyre	Load index	Load in Kg per tyre	Load index	Load in Kg per tyre
62	265	75	387	88	560	101	825	114	1180
63	272	76	400	89	580	102	850	115	1215
64	280	77	412	90	600	103	875	116	1250
65	290	78	425	91	615	104	900	117	1285
66	300	79	437	92	630	105	925	118	1320
67	307	80	450	93	650	106	950	119	1360
68	315	81	462	94	670	107	975	120	1400
69	325	82	475	95	690	108	1000	121	1450
70	335	83	487	96	710	109	1030	122	1500
71	345	84	500	97	730	110	1060	123	1550
72	355	85	515	98	750	111	1090	124	1600
73	365	86	530	99	775	112	1120	125	1650
74	375	87	545	100	800	113	1150	126	1700





### Speed Rating

The speed rating is a letter code, from A to Z, that indicates the maximum speed capabilities of the tire. This speed rating is only valid for tires that are properly inflated and carrying loads within their assigned load index. See the chart below for a full list of speed symbols and their applicable values.

Speed Symbol	J	K	L	M	N	P	Q	R	S	T	U	H	V	W	Y	VR	ZR
Speed in km/h	100	110	120	130	140	150	160	170	180	190	200	210	240	270	300	>210	>240

To protect your ability to control your vehicle, you should only install tires with a speed rating that is equal to or higher than your vehicle manufacturer's recommendation.

### Conditions

In our example, "M+S", (Mud and Snow), indicates an all-season tire. The snowflake and mountain symbol on the side of a tire indicates that it meets or exceeds the new snow tire designation specifications, and will provide you with optimum traction in severe snow conditions.

### DOT Number

All tires sold in Canada must have the "DOT" ((Department of Transportation), or tire identification number, moulded into the sidewall. Our tire has a DOT number of GHYT 4501. The first two characters after DOT indicate the manufacturer; the second two characters indicate the plant where the tire was manufactured.

Next you may see an optional string of three to four characters. Our example does not include this code. Most manufacturers use these to record company specific information about the tire, and, if necessary, use them as a guide when issuing product recalls. Because they are company specific, these codes are not standardized and are meaningful only to the manufacturer.

The last three or four digits give the date the tire was made. For all tires built after 1999, this will be a four-digit number with the first two digits giving the week number, and the last two giving the year. For many tires built previous to 2000, the date indicator will consist of three digits, the first two giving the week number and the last giving the last digit of the year. In our example tire, the last four digits of the DOT code are 4501, so our tire was made during the 45th week of 2001.

### Maximum Pressure

This number gives the maximum cold pressure required to carry the maximum load for which the tire is rated. The maximum pressure number is not the same as the recommended tire pressure for your vehicle. Important: Never exceed the maximum pressure written on your tire's sidewall. Explosive failure may occur as a result, leading to serious injury or death.

### Maximum Load

This number tells you the maximum amount of weight the tire can support when cold. Remember, cold means the tire has been driven less than 2 km, or has been standing still for at least three hours.

### Quality Rating

The quality rating consists of three measurements, all of which are tested under controlled conditions and graded to a standardized system. These measurements are treadwear, traction and temperature. Please note that these ratings are based on a relative scale, and each manufacturer assigns the scale across its own product lines. This means that although the grading system is good for comparing tires of the same manufacturer, it may not be accurate for comparing tires produced by different manufacturers.

### Treadwear:

This rating measures how long the tread takes to wear down. The higher this number, the longer the tread should last. For example, a tire with a treadwear rating of 400 should last twice as long as one with a treadwear rating of 200. The actual rate of treadwear for your tires depends on your unique road conditions, climate and tire maintenance.

### Traction:

This rating describes the tire's ability to stop on wet pavement and concrete. Traction rating tests are conducted on vehicles driving straight ahead, and do not measure the tire's cornering abilities. Traction ratings are written (from highest to lowest) as "AA", "A", "B", and "C".

### Temperature:

Driving creates heat. Excessive heat for prolonged periods can degenerate the materials in your tires, and, under extreme conditions, can lead to explosive failure. A tire's temperature grading measures the tire's ability to withstand and dissipate heat under controlled, indoor laboratory testing. A tire's temperature resistance is assigned the following grades (from highest to lowest): "A", "B", and "C".

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