

StocksAG
WHEEL
PRODUCTS

DUAL WHEELS



Stocks Dual Wheels

Increased strength. Our standard range of Stocks Duals are the strongest dual wheel available and feature **new heavy duty clamps, hooks, eye nuts and eyebolts.**

To stay ahead of increases in tractor power, all components are upgraded and made from heat treated high tensile drop forged steel.



Stocks Duals Benefits

Increased traction

= increased work rates with less fuel wastage – more hectares for less.

Decrease compaction

= improved soil structure, drainage and plant establishment.

Reduced deep wheelings = fewer expensive remedial deep cultivations.

Reduced wheel slip = reduced tyre wear and soil smearing.

Reduced tyre pressures = improved ride and bigger tyre footprint.

Increased stability = increased safety on hillside work.

Double the tyre beads

= reduced chance of tyres spinning on the rims of high horsepower tractors.

One design only = suitable for all horsepower tractors



The Wheel

High quality rims up to 7mm

thick have a heavy flat power rail rolled from 50 x 12mm steel continuously machine welded into them using a special process to provide the anchor for the clamps and to reinforce the rim.



Spacer Bands

Spacer bands up to 6mm thick are rolled with a double rib for additional strength and a precise concentric fit into the tapered bead section of the tractor wheel. The ribbed band ensures that the duals fit correctly and always run true, and are easy to remove without becoming wedged, and do not loosen when driving backwards.



Fitting

There is no need to rotate the dual for alignment with the tractor wheel. Wherever the eye nuts are attached to the tractor wheel, simply fit a hook to the eye nut and an over-centre clamp to the dual wheel power rail, and tension with the handle supplied. Detailed Fitting Instructions are supplied with each pair.



Eye nuts

Eye nuts are attached to wheel weight holes or rim bolts – a full range of different eye nuts are available to suit all tractors and wheel types.

Over Centre Clamps

A new design of clamp means easy fitting to fixed centre wheels – simply attach eye nuts to existing wheel weight holes. A unique removable spacer allows the clamps to work correctly either in this position, or attached to adjustable wheel rim bolts.

Safety

The clamps simply attach to the power rail which is positioned to the outside of the dual rim rather than on the spacer band – it is much easier and safer to fit and tension the clamps in this position – you do not have to bend over and reach deep inside the wheel to make adjustments.



Once the clamps are correctly tensioned, lock them in position with the supplied “ R clips “ to prevent accidental release.

Choice

It is really easy – to make life simple there is only one model of dual for each tyre size, and the number of clamps and other variables are allowed for in the design. So just tell us the tyre size, make and model of tractor, and we will supply you with the appropriate dual wheel.

Options

Please enquire for any special requests including; Extra wide or narrow spacer bands. Colour matched paint (the standard colour is gloss black).



Tyres

We can supply and fit your choice of tyre – please call for options regarding tyre sizes, makes and prices.

Stocks Dual Wheels **TECHNICAL DATA & SIZES**

Part No.	Dual Wheel Size	TO TAKE TYRE SIZE		Clamps Per Pair	Spacer Band Width	Dual Hook Length
D1608	8 x 16	10.00 - 16	240/70 - 16	4	6"	16"
		11.00 - 16	250/80 - 16		6"	
D1611	11 x 16	13.0/75 - 16	320/65 - 16	4	6"	16"
D1809**	9 x 18	10.5/80 - 18	275/80 - 18	4	6"	16"
		12.5/80 - 18	335/80 - 18		6"	
D1811**	11 x 18		320/65 - 18	4	6"	16"
			340/65 - 18		6"	
D1813**	13 x 18	15.0/70 - 18	405/70 - 18	4	6"	16"
D2009**	9 x 20	10.5 - 20	275/80 - 20	4	8"	16"
D2011**	11 x 20	12.4 - 20	360/70 - 20	4	8"	16"
		12.5/80 - 20	375/75 - 20		8"	
D2013**	13 x 20	14.9 - 20	380/70 - 20	4	8"	16"
		16.0/70 - 20	400/70 - 20		8"	
			420/75 - 20		8"	
D2407	7 x 24	8.3 - 24		4	8"	16"
D2408	8 x 24	9.5 - 24		4	8"	16"
D2410	10 x 24	11.2 - 24	320/70 - 24	4	8"	16"
		12.4 - 24			8"	
D2412	12 x 24	13.6 - 24	340/85 - 24	4	8"	16"
		14.9 - 24	380/85 - 24		8"	
			420/65 - 24		10"	16"
			420/70 - 24		10"	
D2415-8	15 x 24	16.9 - 24	420/85 - 24	4	8"	24"
D2415**		17.5 - 24	460/70 - 24	4	10"	24"
		18.4 - 24	480/70 - 24		10"	
D2416**	16 x 24	19.5 - 24	540/65 - 24	8	10"	24"
D2612	12 x 26	13.6 - 26		4	8"	16"
D2614	14 x 26	16.9 - 26		4	10"	24"
D2616**	16 x 26	18.4 - 26	480/70 - 26	4	10"	24"
			520/70 - 26		10"	
			540/65 - 26		10"	
D2620	20 x 26	23.1 - 26	620/70 - 26	8	10"	36"
			620/75 - 26		10"	
			650/70 - 26		12"	
D2625	25 x 26	28.1 - 26	750/65 - 26	12	14"	36"
D2810	10 x 28	11.2 - 28	280/85 - 28	4	8"	16"
			320/70 - 28		8"	
D2811	11 x 28	12.4 - 28	320/85 - 28	4	8"	16"
			360/70 - 28		8"	
D2812	12 x 28	13.6 - 28	380/70 - 28	4	8"	16"
			340/85 - 28		8"	
D2813	13 x 28	14.9 - 28	380/85 - 28	4	8"	16"
D2813-10			420/65 - 28	4	10"	16"
			420/70 - 28		10"	



Part No.	Dual Wheel Size	TO TAKE TYRE SIZE		Clamps Per Pair	Spacer Band Width	Dual Hook Length
D2815-8	15 x 28	16.9 - 28		4	8"	24"
D2815			480/65 - 28 480/70 - 28	4	10" 10"	24"
D2816	16 x 28	18.4 - 28	540/65 - 28	6	12"	24"
D2818	18 x 28		600/65 - 28	8	14"	36"
D2820	20 x 28		620/70 - 28	8	14"	36"
D3012	12 x 30	14.9 - 30	380/85 - 30 420/70 - 30	4	8" 8"	16"
D3015-8	15 x 30	16.9 - 30	420/85 - 30	4	8"	24"
D3015		18.4 - 30	480/70 - 30	4	10"	24"
D3015-12			520/70 - 30	4	12"	24"
D3016	16 x 30	18.4 - 30	540/65 - 30	6	12"	24"
D3020	20 x 30	23.1 - 30	600/70 - 30	8	12"	36"
D3020-14			620/75 - 30 650/70 - 30	12	12" 12"	36"
D3023	23 x 30		710/55 - 30	12	14"	36"
D3210	10 x 32	11.2 - 32	270/75 - 32 270/95 - 32	4	8" 8"	16"
		12.4 - 32	300/95 - 32 320/90 - 32		8" 8"	
D3220	20 x 32		600/65 - 32	12	12"	36"
D3221	21 x 32	24.5 - 32	650/70 - 32 680/70 - 32 680/75 - 32	12 12	12" 14" 14"	36"
D3227	27 x 32	30.5 - 32		12	12"	50"
D3227-14			800/60 - 32 800/65 - 32		14" 14"	50"
D3410	10 x 34		290/95 - 34 320/85 - 34	4	8" 8"	16"
D3413	13 x 34		380/85 - 34	4	10"	16"
D3415-8	15 x 34	16.9 - 34	420/85 - 34	4	8"	24"
D3415		18.4 - 34	460/85 - 34 480/70 - 34	4 10	10"	24"
D3416	16 x 34		520/70 - 34 540/65 - 34 540/70 - 34	4	12" 12" 12"	24"
D3418	18 x 34		600/65 - 34	8	14"	36"
D3420	20 x 34		600/65 - 34 620/75 - 34	12	12" 12"	36"
D3423	23 x 34		710/75 - 34	12	14"	36"

PLEASE CALL FOR PRICES

Stocks Dual Wheels

Part No.	Dual Wheel Size	TO TAKE TYRE SIZE		Clamps Per Pair	Spacer Band Width	Dual Hook Length
D3610	10 x 36	11.2 - 36	270/95 - 36	4	8"	16"
D3611	11 x 36	12.4 - 36	320/85 - 36	4	8"	16"
		13.6 - 36	340/85 - 36		8"	
D3810	10 x 38	11.2 - 38	270/95 - 38	4	8"	16"
D3812	12 x 38	13.6 - 38	340/85 - 38	4	8"	16"
		14.9 - 38			8"	
D3815-8	15 x 38	16.9 - 38	420/85 - 38	8	8"	24"
D3815		18.4 - 38	460/85 - 38	8	10"	24"
D3815-12			480/70 - 38	8	12"	24"
			520/70 - 38	8	12"	
D3816	16 x 38		520/85 - 38	8	12"	36"
D3818	18 x 38	20.8 - 38	540/65 - 38	12	12"	36"
D3818-14			580/70 - 38	12	14"	36"
D3820	20 x 38		600/65 - 38	12	14"	36"
			620/70 - 38		14"	
			650/65 - 38		14"	
D3823-12	23 x 38		650/75 - 38	12	12"	36"
			650/85 - 38		12"	
D3823			710/70 - 38	12	14"	36"
D3825	25 x 38		710/60 - 38	12	14"	36"
D4008	8 x 40	9.5 - 40	230/95 - 40	8	8"	16"
D4216	16 x 42	18.4 - 42		12	10"	24"
D4218	18 x 42	20.8 - 42		12	12"	36"
D4218-14			580/70 - 42	12	14"	36"
D4220	20 x 42		620/70 - 42	12	14"	36"
			650/65 - 42		14"	
D4223	23 x 42		710/70 - 42	12	14"	36"
D4227	27 x 42		950/50-42	12	18"	36"
D4408	8 x 44	9.5 - 44	230/95 - 44	8	8"	16"
D4410	10 x 44	11.2 - 44	270/95 - 44	8	8"	16"
D4610	10 x 46	11.2 - 46	270/95 - 46	8	8"	16"
		12.4 - 46	300/95 - 46		8"	
D4612	12 x 46		340/85 - 46	8	8"	16"
D4613	13 x 46	14.9 - 46	420/80 - 46	8	10"	16"
D4616	16 x 46		520/85 - 46	12	14"	24"
D4620	20 x 46		620/70 - 46	12	14"	36"
D4808	8 x 48	9.5 - 48	230/95 - 48	8	8"	16"
D4810	10 x 48	11.2 - 48	270/95 - 48	8	8"	16"
D4812	12 x 48	13.6 - 48	340/85 - 48	12	8"	16"
D5010	10 x 50		320/90 - 50	12	10"	16"
D5210	10 x 52	12.4 - 52	300/95 - 52	12	8"	16"
D5410	10 x 54	11.2 - 54	270/95 - 54	12	8"	16"

***Note:** These tyre and rim combinations are as recommended by the European Tyre and Rim Technical Organisation. In some instances these may differ from the individual tyre manufacturers choice of rim.

**See comments, reference clamp recommendations for loaders on page 09.

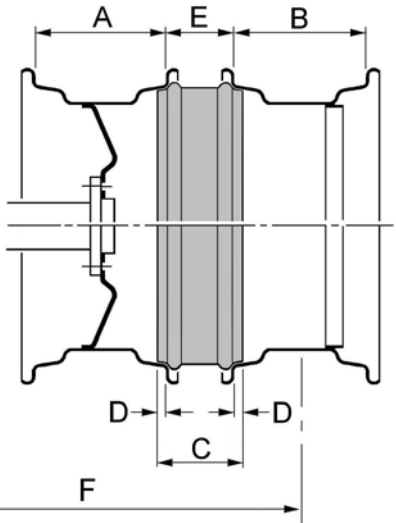
For any size not listed, PLEASE ENQUIRE

PLEASE CALL FOR PRICES

To calculate overall tractor width when using stocks duals

This should be within + or -25mm (1") using equal size duals

1. Deduct 50mm (2 ") from the overall spacer band width (C) to establish the effective band width. (E) The band fits into the tractor and the dual rim by approximately 25mm each side (D).
2. Add effective band width (E) to the dual rim width (B), x 2 for both sides.
3. Add 1 x tractor rim width (A)
4. Add tractor wheel track setting (F). This gives the overall width to the outside of the dual rims.
5. Add 10% to one dual tyre section width. Subtract one dual rim width from this figure. Add this remaining amount to overall rim width. This gives the overall width to the outside of the dual tyres at the base with typical deflection under load.



EXAMPLE: Tyres are 650/65 R38.
(Tractor and dual)
Rims are 20 x 38.
(Tractor and dual.)
Track setting is 72"
Dual spacer bands are 12"

Overall Tractor width with dual wheels

1. 12" bands less 2" = 10"
2. 10" + 20"rim width = 30", x 2 = 60"
3. 60" + 20" = 80"
4. 80" + 72" = 152" to outside of wheels
5. 650 x 10% = 715mm or 28". 28" minus 20" rim width = 8". 8" plus 152" = 160" to outside of tyres at base (approximately).

Stocks Dual Wheels

Clamp Recommendations

Generally the number of clamps supplied are sufficient for the size of the respective dual wheel. However, the minimum clamp recommendations for dual wheels used in the following applications are increased as follows;

Tractors used for steep hill side work	- minimum 4 clamps per wheel
Loader handlers	- 4 clamps per wheel
Front wheels of tractors 200 hp and over and all tractors with front mounted equipment	- 4 clamps per wheel
Rear wheels JCB Fastrac up to 200 hp	- 4 clamps per wheel
Rear wheels JCB Fastrac over 200 hp	- 6 clamps per wheel
When two clamps per wheels can not be fitted diametrically opposite	- 3 clamps per wheel



Clamp D7011



Bolt on Dished Disc D7000X



Bolt on Straight Disc D7001



Eyebolt John Deere D7001L-B



Weld on Dished Disc D7000Z



Weld on Straight Disc D7000Y

PLEASE CALL FOR PARTS PRICES



Spare Parts

Clamp only	D7011	
Hook	D7002	16" (406mm) long
	D7003	24" (610mm) long
	D7004	36" (915mm) long
	D7004A	50" (1270mm) long
Heavy duty hexagonal eyenut As above supplied with bolt	D7001	Select size and pitch from the Eyenut Identification Chart.
Heavy duty round eyenut with angled base and tapered washer + bolt for dished discs.	D7000X	M16 x 2.0
Heavy duty hexagonal eyebolt	D7001L-B	M22 x 2.5
Heavy duty weld on eye:-	D7000Y	Flat Base
	D7000Z	Angled Base
36mm Deep socket for fitting	D7017	



Carriage charge extra



PLEASE CALL FOR PARTS PRICES



Eyenuit Identification Chart

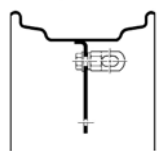
Part Number	Size	Thread Pitch	Description
D7000X	M16	2.0mm	ROUND EYE NUT - ANGLED BASE WITH TAPERED WASHER AND BOLT FOR DISHED DISCS
D7000Y	N/A	N/A	ROUND WELD ON - FLAT BASE
D7000Z	N/A	N/A	ROUND WELD ON - ANGLED BASE FOR DISHED DISCS
D7001A	3/4"	UNC	HEXAGON EYE NUT - FLAT BASE
D7001B	5/8"	UNF	HEXAGON EYE NUT
D7001C	5/8"	UNC	HEXAGON EYE NUT
D7001D	M14	1.5mm	HEXAGON EYE NUT
D7001E	M16	1.5mm	HEXAGON EYE NUT
D7001F	M18	1.5mm	HEXAGON EYE NUT
D7001G	M20	2.5mm	HEXAGON EYE NUT
D7001H	M16	2.0mm	HEXAGON EYE NUT
D7001J	3/4"	UNF	HEXAGON EYE NUT
D7001K	M18	2.5mm	HEXAGON EYE NUT
D7001L	M22	1.5mm	HEXAGON EYE NUT
D7001M	9/16"	UNF	HEXAGON EYE NUT
D7001N	M20	1.5mm	HEXAGON EYE NUT
D7001P	M18	2.0mm	HEXAGON EYE NUT
D7001L-G	M22	2.5mm	HEXAGON EYEBOLT JOHN DEERE FRONT
D7001L-B	M22	2.5mm	HEXAGON EYE BOLT JOHN DEERE REAR

NOTE. Most threaded eyenuts are available with hex.head bolts as extras.

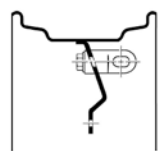
Eyenuit Fitting Instructions

Adjustable wheels with bolt in discs

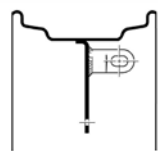
Threaded eyenuts are available to suit all rim bolt threads, and a 22mm eyebolt is used to fit JD cast centres. Eyenuts and eyebolts have a hexagonal shank to allow a torque wrench to be used to tighten them. Use Flat Base eyenuts for flat or shallow discs, and Angled Base for deep dished discs. Normally the clamp spacer is removed for adjustable wheels.



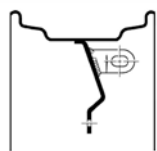
Bolt on flat base



Bolt on angled base



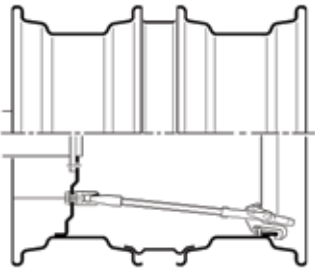
Weld on flat base



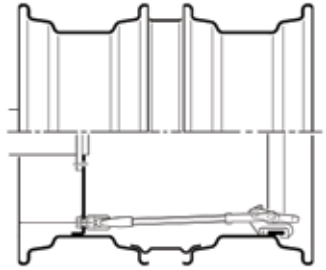
Weld on angled base

Welded wheels with fixed discs and no rim bolts

Using the wheel weight holes. If the wheel has unused wheel weight holes, attach the eyenuts to these holes using suitable high tensile bolts. The over-centre clamps feature a unique spacer that alters the angle of the clamp and hook, and allow it to be used with eyenuts fitted in this position, and lock with a positive and secure over-centre action. This spacer is removed when fitting to adjustable wheels with rim bolts.



Using wheel weight holes with clamp spacer fitted



Using rim bolts with clamp spacer removed



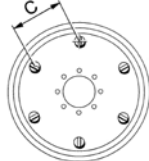
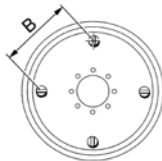
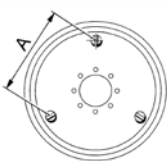
Image of tractor wheel showing spacers fitted



Close up image showing spacer fitted and removed

Welding or Drilling

If there are no weight holes available, then either holes must be drilled through the disc to fit bolts and threaded eyenuts, or use weld-on eyenuts. Use Flat Base for flat or shallow discs and Angled Base for deep discs. Refer to detailed Dual Wheel Fitting Instructions supplied with the wheels for information and dimensions regarding positioning.



Eyenut positioning