



**BUY AUSTRALIAN
OWNED & MADE**

JOHN SHEARER MK3 UNIVERSAL SEEDER BAR



5 ROW UNIVERSAL SEEDER BAR SIZES UP TO 18.3M (60')

SINGLE FOLD

Sizes up to 14m (46') with extensions.

DOUBLE FOLD

Sizes up to 18.2m (60').

In the Shearer tradition, the MK3 Universal Seeder Bar is designed and built for maximum structural integrity. Focused engineering to axles, castoring assemblies, floating hitch, hydraulic loading system, frames and wing fold mechanisms, all add up to long lasting performance.

The result is a machine with a long expected service life and high future re-sale value that is more operator-friendly.

- ✓ **HEAVY DUTY CONSTRUCTION**
for a long service life.
- ✓ **EXCELLENT GROUND FOLLOWING**
Front castoring wheels with high flotation tyres.
- ✓ **RANGE OF SIZES AVAILABLE**
Standard and narrow centres, single & double fold models.
- ✓ **TWO TYNE OPTIONS**
1000lbs hydraulic & 800HL.
- ✓ **CENTRE FRAME**
Featuring 9mm, 100mm x 100mm RHS on front & rear beams.



Grow a Better Crop

JOHN SHEARER MK3 U



800HL HYDRAULIC TYNE ASSEMBLY

The Universal Seeder Bar with the new 800HL hydraulically loaded tyne assemblies, provide 'on the go' adjustment from the tractor seat for varying soil types and conditions. eg light sandy loam, limestone sheet rock, heavy clay. This assembly has a number of important features including an extra large 800mm (31.5") underframe clearance, ease of servicing and facility for locking tynes in the raised position for sowing on alternate rows. Downward pressure can be adjusted to more than 205kgs (450lbs) and the tyne foot has two 1/2" mounting holes at 1-3/4" centres which accept a wide range of ground engaging tools. Service life is extended by regreaseable 25mm hardened pivot pin, replaceable bushes and a 25mm x 50mm section, heat treated, silicon manganese high carbon tyne.



HYDRAULIC OVER-PRESSURE PROTECTION

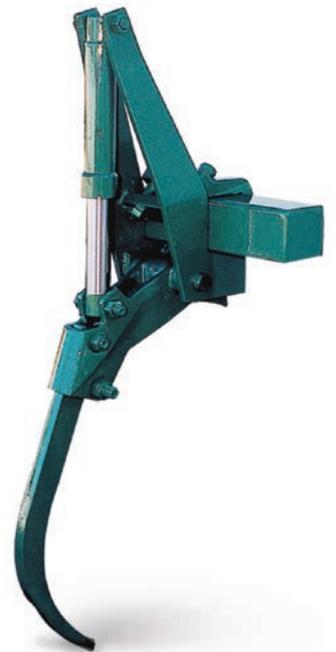
The standard 20 litre gas accumulator provides protection from pressure overload during working. In-line valves fitted to the hydraulic circuitry assist in controlling the re-coil speed and force of the tynes as they return to the work position. A digital tyne breakout pressure gauge, fitted in the tractor cab, is available as an option.

SIMPLE LEVELLING ADJUSTMENT

Initial levelling of the machine for work is a simple procedure. To level the single fold unit front to rear, the castor linkages are adjusted, while the inner layshaft links control the side to side or 'across the width' levelling, centre to wings. For the double fold model, screw adjustable blocks on the base end of the outer wheel cylinders, control the height of the outer wings in relation to the inner wings.

OPTIONAL 1000LBS HYDRAULIC TYNE ASSEMBLY.

The John Shearer 1000 lb Hydraulic Tyne Assembly, as fitted to the Shearer Trashworker, is an option on the single fold model. This assembly which can be adjusted 'on the go' up to tyne breakout force of 455kgs (1000 lbs) features, 35mm diameter hardened pivot pin & bushes and a 50mm x 32mm (2"x 1 1/4") section H.T. silicon manganese high carbon steel tyne. Each tyne is loaded by a 44.5mm (1 3/4") diameter jump cylinder.



CONSTRUCTED FOR LASTING PERFORMANCE

One look at the Universal Seeder bar and you can see the strength that has been engineered into the machine. The main frame includes 5 rows of 100mm x 100mm mounting ranks, of which the front & rear centre section beams are 9mm for additional strength. The main frame sections, castoring assemblies and axles are all strongly constructed and large diameter hardened pins & bushes are incorporated in high load pivot points. In the Shearer tradition, owners can expect long life of operation and high re-sale value.



UNIVERSAL SEEDER BAR



EXCELLENT GROUND FOLLOWING

Flotation and ground following ability is enhanced with front castoring wheels on the centre section, inner/ outer wings and a 5.2m long floating hitch which are desirable features when used in conjunction with an Airseeder. The 'double fold' model is equipped with a total of twelve (12) high flotation tyres, two 14.00 x 20 x 22ply MRF Musclerok fitted to the centre section & 12.5 x 15.3 x 14 ply tyres on the inner / outer wings. Single fold has ten (10) high flotation tyres.



ROBUST WING-FOLD SYSTEM

For the single fold, two pair of 4" x 30" folding cylinders are fitted as standard – one on each hinge point, front & rear and pivot points feature greasable, hardened pins & bushes. The double fold unit has four pair.



SUPERIOR TRASHFLOW

Trash flow is enhanced with the large underframe clearance of 800mm (31 1/2") and the five (5) row frame which has good lead between rows, (705mm between 1&2, 765mm between all others) to assist with moving through heavy stubble residues. Jump height on the 800HLtyne assembly is 580mm (21").

THREE MODELS

- 1 Single fold: Standard centre – 8.9m (29'5") to 14.0m (46')
- 2 Single fold: Narrow centre – 8.0m (26'5") to 13.1m (42'4")
- 3 Double fold: - 15.3m (50') to 18.5m (60')



OPTIONAL TYNE SPACINGS

The number of tyne or sowing spacings include:

200m (8") single fold only

230mm (9")

250mm (10")

300mm (12")

333mm (13.1")



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SPECIFICATIONS

SINGLE FOLD MODEL

5 Row Narrow Centre Model:				
Size—Working Width	8m (26'5")	9.9m (32'2")	11.7m (38')	
Number of tynes @ 230mm (9")	35	43	51	
5 Row Standard Model:				
Size—Working Width	5m (16'3")	8.9m (29'5")	10.8m (35'6")	12.6m (41'6")
Number of tynes @ 230mm (9")	21	39	47	55
Tyne Extensions (Single fold only)	Working widths can be increased with the addition of optional 2,4 or 6 tyne extension.			
Transport Width	6.0m (19'8") Standard,		5.1m (16'6") Narrow centre	
Hitch	Fully floating, 5.2m (17') long			
Transport Clearance	Under sweeps 250mm (10")			
Transport height	Height 3.8m (12'6") to 5.6m (18'6")			
Number of Rows	Five (5) mounting beams			
Tyne Spacing	200mm (8"), 230mm (9"), 250mm (10"), 305mm (12"), 333mm (13.1")			
Spacing between rows	705mm, between 1&2, 765mm between all others			
Underframe Clearance	800m (31 1/2")			
Tyne Assemblies	800HL, edge-on 50mm x 25mm (2"x1") section, heat treated silicon manganese high carbon steel—hydraulic or spring release. Tyne foot: 2 x 1/2" bolts at 1 3/4" centres.			
Jumper Circuit (Hydraulic)	20 litre Gas Accumulator, in line valves to control tyne re-coil speed & force			
Tyne Breakout	Adjustable to more than 205kgs (450lbs)			
Tyne mount	100mm (4") SQ R.H.S.			
Tyne jump height	580mm (21")			
Depth Control	Centre section rockshaft with tandem cylinders mechanically linked to wing wheels.			
Wing Fold	Two (2) pair of 4"x30" fold/unfold cylinders			
Wheel Equipment	Centre section: 16/70 x 20 x 14 ply 'sure grip' Wings & front castors: 12.5/80x15.3 x14ply 'lug'			
Options	2, 4 and 6 tyne extensions, spring tooth harrows, airseeder kits, additional 10 litre gas accumulator, 455lbs (1000lbs) breakout Trashworker tyne assemblies (Single fold models only)			

DOUBLE FOLD MODEL

Features unique to Double fold model.	UC5000,	UC5500,	UC 6000
Size—Working Width	15.24m (50')	16.76m (55')	18.23m (60')
Number of tynes @ 230mm (9")	67	75	81
Number of tynes @ 250mm (10")	61	67	73
Number of tynes @ 305mm (12")	51	56	61
Transport Width	6.0m (19.7") all sizes		
Transport Height	50', 4.6m (15'1")	55', 4.6m (15'1")	60', 5.5m (18')
Tyne Spacing options	230mm (9"), 250mm (10'), 305mm (12"), 333mm (13.1")		
Depth Control	Centre section rockshaft with tandem cylinders mechanically linked to inner wing wheels & 'phased' to outer wing wheels		
Wing Fold	(4) pair of 4"x30" fold/unfold cylinders:-centre section / inner wings / outer wings.		
Wheel Equipment	Centre section: (2x) 14.00 x 20 x 22ply, MRF Musclerok inner wings / outer wings & front castors: (12x) 12.5 x 15.3 x 14ply		



JOHN SHEARER – TRUSTED SINCE 1877

Phone: 08 8268 9555
Fax: 08 8268 4099

Email: sales@johnshearer.com.au
Web: johnshearer.com.au

John Shearer Pty. Ltd.
P.O. Box 32, Welland, SA, 5007

Share Street, Kilkenny
South Australia, 5009

Due to our policy of continuing research, specifications are subject to change without prior notice.