



JOHN SHEARER



DOUBLE DISC OPENER

The double disc opener is an option for John Shearer Broadacre machines, seed drills and can be individually ordered for seeding equipment already in the field.

- Compact and robust parallelogram design
- Spring and hydraulic versions available
- Design allows the option to fit tyne opener
- Can be mounted to either square or diamond beams
- Available with either plain or scalloped (or a combination of both) opening coulters
- Single or double shoot option



Hydraulic



Spring

Patent Pending

IDEAL OPENER FOR ZERO-TILL SEEDING



MAXIMIZE SEED GERMINATION WITH A JOHN SHEARER DOUBLE DISC OPENER

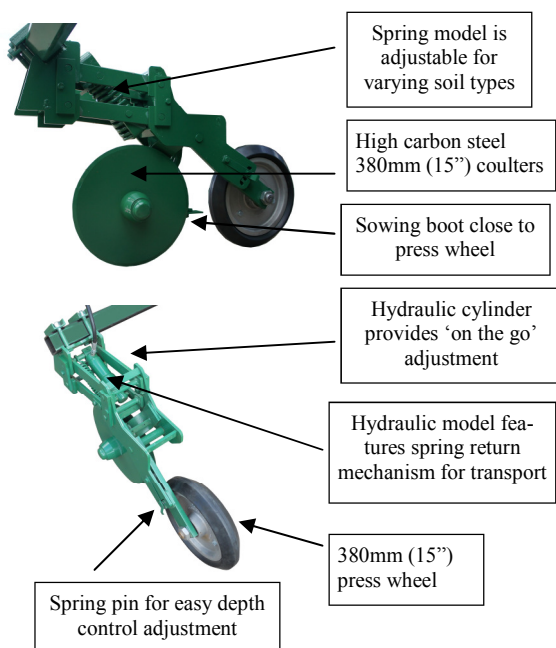
BENEFITS OF A DOUBLE DISC OPENER

Benefits of a double disc opener include, more uniform seeding depth, reduction in draft forces, trash handling ability, reduced soil disturbance and faster sowing speeds. In some cases disc openers are more suitable than tyres when sowing into rocky conditions.

Sowing with a double disc opener, leaves a smoother soil profile and will assist in reducing water run-off

EASY ADJUSTMENT

An easy to use 'spring pin' to lock the press wheel arm into place, is used to control the depth and provides 6mm increments over a 50mm travel. The spring loaded opener, has a mechanical screw assembly to easily adjust the main spring to decrease or increase pressure of both the opening coulters and the press wheel. Downward force can be increased to help cut through stubble residue and in drier conditions penetrate the soil for good seed placement. The spring breakout pressure can be adjusted up to 182kgs (400 lbs) and the unit has 254mm (10") of vertical ground following capability. For the hydraulic version, pressure is adjusted 'on the go' from the tractor seat to suit soil types and conditions. A pressure gauge fitted into the system, allows the operator to monitor the down pressure.



UNIQUE DESIGN

The John Shearer opener is well built to perform in many different soil types and conditions. Its compact and unique design, means that the press wheel is much closer to the sowing boot than most others on the market.

The opener is a true parallelogram unit and based around two (2) carriers. The mounting carrier, which attaches the unit to either a square or diamond mounting frame and the main carrier on which the ground engaging coulters, (or optional tyne) and press wheel are attached.

The hydraulic version of the double disc opener features a spring return mechanism for transport.

PRESS WHEEL

The trailing press wheel provides depth control as well as cover and compaction of the soil around the seed to assist with germination.

GROUND FOLLOWING

Being a parallelogram design, the openers ability to follow ground contours is enhanced for a more uniform seed placement.

LOW MAINTENANCE

Hardened pins in all high load areas to extend operational life.

DOUBLE DISC OPENER —Specifications

Coulters	380mm (15") high carbon steel
Press wheel	380mm (15")
Ground engaging	Double disc or tyne option
Hubs, 6 hole	Triple lipped sealed bearings
Sowing boot	Single or double

Pressure adjustment	Mechanical screw/Hydraulic
Vertical adjustment	254mm (10")
Overall length	900mm Press wheel to coulters
Packing force	182 kgs (400 lbs)
Underframe	620mm from mounting beam

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