



HEAVY-OFFSET 790

DISK HARROW





HEAVY-OFFSET 790 DISK HARROW

1 Model | 10.5- or 12-in. Blade Spacing | Working Widths from 11–27 ft.

HIGH-EFFICIENCY FARMING IN THE TOUGHEST CONDITIONS – SPRING OR FALL.

HEALTHIER SOIL.

Whether you're deep-tilling stalks and stubble, burying brush on summer fallow, or leveling irrigated fields, the Case IH Heavy-Offset 790 disk harrow tackles soil-conditioning tasks with rugged, enduring components. The mainframe is constructed from welded steel tubing to provide an imposing backbone of unmatched dependability and consistent performance over years of use. Long-lasting, break-resistant, crimp center Earth Metal® blades and proven Case IH gangs slice deep through the toughest field conditions – all to achieve a high-efficiency seedbed with healthier soil.

HEAVY-OFFSET 790 DISK HARROW

Give Soil Health a Sturdy Foundation.....	4
Maximize Uptime.....	5
Durability and Simplicity.....	6–7
Product Specifications	8

GIVE SOIL HEALTH A STURDY FOUNDATION.

The Case IH Heavy-Offset 790 disk harrow features unmatched ruggedness and state-of-the-art engineering to deliver unparalleled performance in the toughest conditions. Customize to fit your operation with three disk blade sizes and spacing configurations to aggressively penetrate the soil down to 12 inches—creating a level foundation of healthier soil.



■ SELF-LEVELING HITCH.

Exclusive to the Heavy-Offset 790 disk harrow, the self-leveling hitch keeps gangs working at uniform depth from front to rear. Transferring weight between tractor and disk, it allows even soil penetration on hills.

■ EASILY ADJUSTABLE LEVELING.

A one-step lateral pin easily adjusts for tongue placement to maintain draft compliance. Or activate the optional hydraulic leveling cylinder to level the disk harrow fore and aft. A leveling gauge is easy to see from the cab.

■ ACCURATE, REPEATABLE DEPTH.

Single-point depth control allows convenient, quick and reliable adjustments for accurate, repeatable depth to create a high-efficiency seedbed.

■ HEAVY-DUTY ENGINEERING.

Depend on superior durability with the reinforced mainframe, improved hitch pull plate, larger wheel gear rock shaft cast bearing mounts and heavier gang tubes.

■ EASY GANG ADJUSTMENTS.

Both front and rear gangs easily adjust to maximize the tool's performance in every condition.

■ EARTH METAL BLADES—A SUPERIOR AGRONOMIC ADVANTAGE.

Blades are designed with flat, crimped centers that mate perfectly to the cast nodular flat-faced spools for a more secure and solid gang assembly.



■ CUSTOM CONFIGURATIONS.

Choose from three blade sizes and spacing configurations to easily deep-till, bury brush and level irrigated fields.

- **Finishing offset disk:** 26 in. (660 mm) diameter, 10.5 in. (267 mm) front gang spacing, 9 in. (229 mm) rear gang spacing
- **All-purpose offset disk:** 28 in. (711 mm) diameter, 10.5 in. (267 mm) spacing front and rear
- **Plowing disk:** 32 in. (812 mm) diameter, 12 in. (305 mm) spacing front and rear

LOW MAINTENANCE EQUIPMENT FOR HIGH MAINTENANCE FIELDS.

Maximize uptime and productivity with a gang designed for your specific tillage demands.



■ GANG BEARINGS.

The cushion gang bearing is a heavy duty, greaseable bearing in a trunnion and is commonly used in fields with rocks and debris. It holds the arbor bolt firm while allowing the joint to rotate freely through rough terrain for a high-quality seedbed and finish. The rigid gang bearing option performs well in fields with very few rocks and debris and is a cost-effective choice.

■ NODULAR CAST IRON SPOOLS.

Heavy-Offset spools are made of nodular cast iron, which is stronger than the gray cast iron or steel fabricated spools used on other disk harrows. The 6-inch (152 mm) or 8-inch (203 mm) diameter spools withstand shock loads caused by field impacts and provide “built-in” weight necessary to cut residue and penetrate hard soil. No additional weight kits required.

■ RUGGED GANG DESIGN AND CONSTRUCTION.

Earth Metal blades have flat, crimped centers for added strength and durability. And, they fit perfectly with each nodular cast iron spool to ensure gangs stay tight with the best possible joints.

EARTH METAL BLADES — BUILT TO TACKLE TOUGH CONDITIONS.

Field tests have proven that they are substantially stronger and last longer than conventional carbon blades.



OPTIONS THAT SUPPORT YOUR OPERATION — AND BOTTOM LINE.

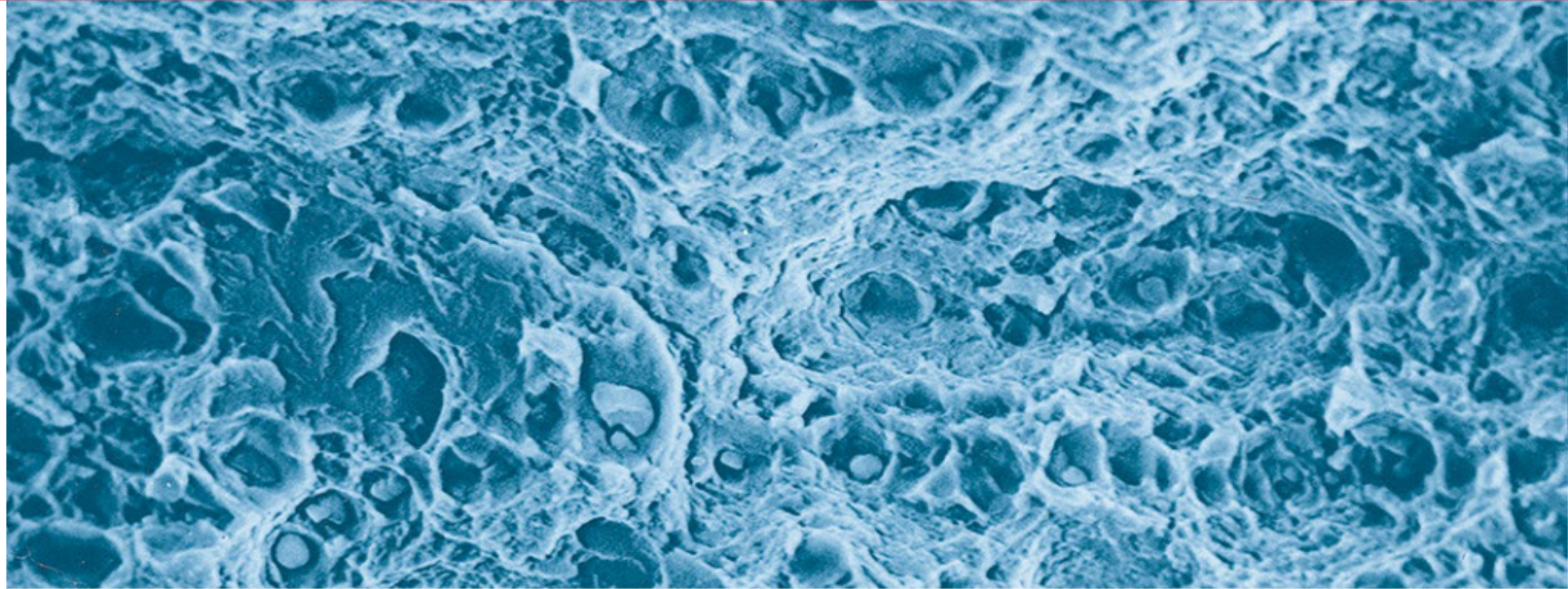
Choose from rugged, reliable and agronomic features that support your specific tillage demands and soil conditions.

EARTH METAL BLADES FOR SUPERIOR STRENGTH.

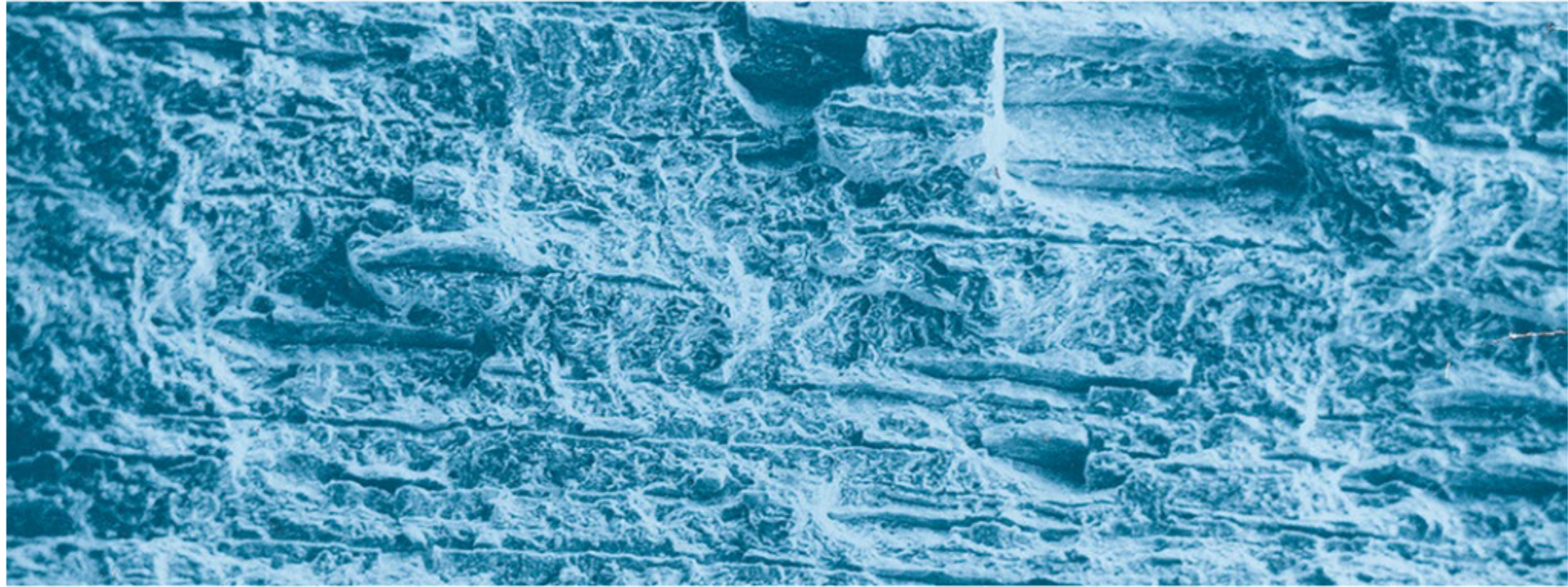
Made from a proprietary process and steel formula, Earth Metal blades are built tough to provide agronomic advantages for your fields.

- Earth Metal includes boron steel that, when heat-treated, enhances the hardness without affecting ductility. This balance allows for a longer-wearing blade while providing breakage resistance.
- Each blade features a flat center that matches perfectly with each nodular cast iron spool. This produces the strongest possible joints with gangs that stay tight.
- The center of each Earth Metal blade is crimped, which provides added strength in high-stress areas of the disk blade.

This magnified view (right) shows you why Earth Metal blades resist stress fractures. Our nondirectional process leaves a random composition (top), while conventional roll-forming causes bands of sulfide impurities to string throughout the entire blade (bottom). These weak spots practically invite a crack or split in the blade.



Earth Metal – equal strength in all directions for maximum strength

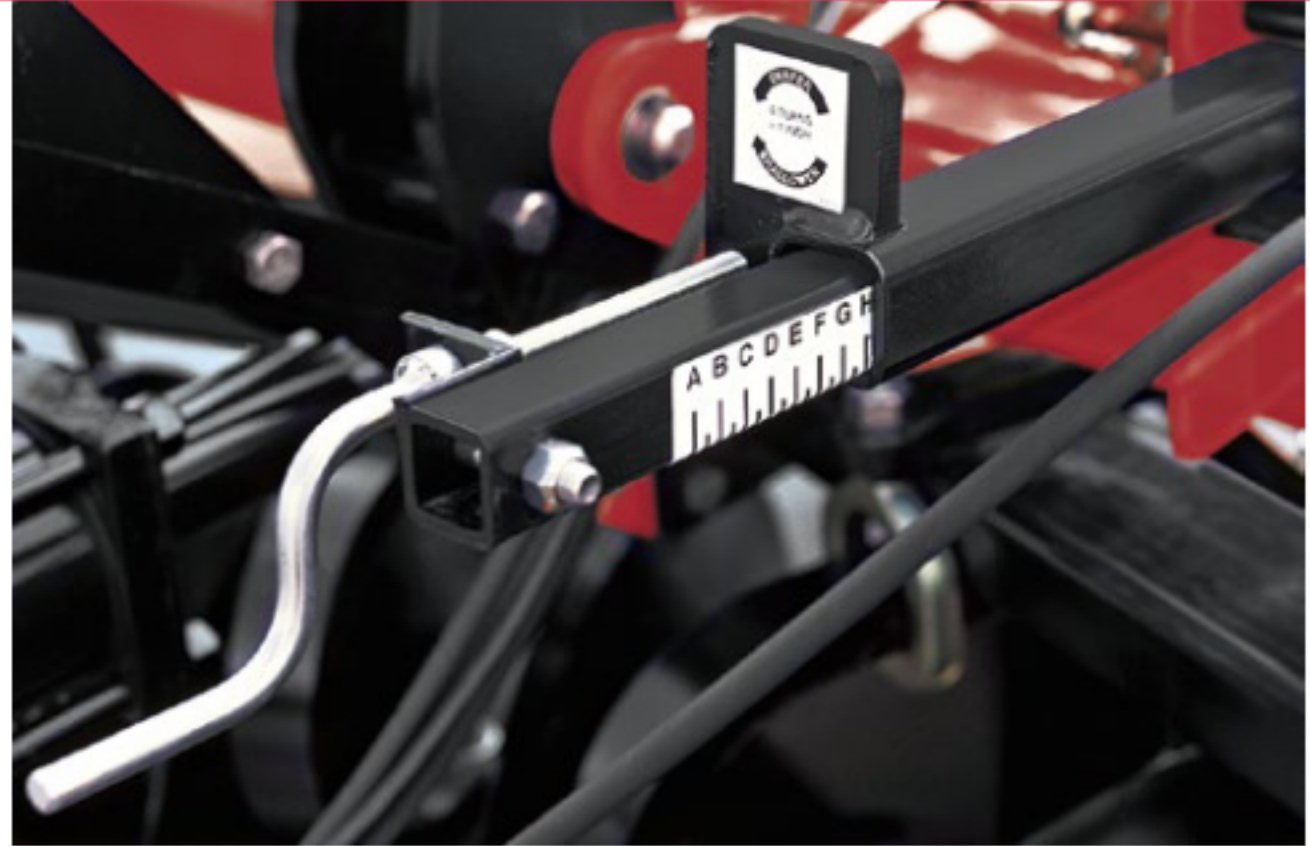


Other blades – straight-line weakness promotes cracking



COMMERCIAL GRADE FRAME.

The Heavy-Offset 790 disk harrow engineering team used extensive analysis and field tests to ensure ruggedness and reliability. Tube lengths, tube placement and welding are carefully thought through and evaluated. Plus, endless gussets are used to improve overall strength and longevity of the frame.



SINGLE POINT DEPTH CONTROL.

Single-point hydraulic depth control maintains a constant blade operating depth for a planter-ready seedbed. Adjust it using a simple hand crank located conveniently at the front of the machine.



REAR HITCH.

This optional feature allows for pull-type attachments for additional soil conditioning. Equipped with a 9-pin electronic connector for lighting and one set of hydraulic couplers, the rear hitch has a vertical capacity of 1,000 pounds.

SPECIFICATIONS	HEAVY-OFFSET 790 DISK HARROW		
CONFIGURATIONS	FINISHING OFFSET	ALL-PURPOSE OFFSET	PLOWING OFFSET
Disk Blade Diameter	26 in. (660 mm)	28 in. (711 mm)	32 in. (813 mm)
Working Width	Folding only: 21 ft. 2 in., 24 ft., 26 ft. 10 in. (6.5 m, 7.3 m, 8.2 m)	Rigid: 11 ft. 5 in., 13 ft. 11 in., 17 ft. 2 in., 19 ft. 9 in. (3.5 m, 4.2 m, 5.2 m, 6 m) Folding: 20 ft. 6 in., 23 ft. 10 in., 27 ft. 2 in. (6.2 m, 7.3 m, 8.3 m)	Rigid: 11 ft. 1 in., 13 ft. 11 in., 16 ft. 10 in., 19 ft. 8 in. (3.4 m, 4.2 m, 5.1 m, 6 m) Folding: 21 ft. 6 in. (6.6 m)
Approx. Operating Weight (Smallest and Largest Sizes Shown)	12,600 to 14,800 lb. (5 715 to 6 713 kg)	8,500 to 15,500 lb. (3 856 to 7 031 kg)	9,400 to 16,000 lb. (4 264 to 7 258 kg)
Blade Spacing	10.5 in. (267 mm) front, 9 in. (229 mm) rear	10.5 in. (267 mm)	12 in. (305 mm)
Bearing Type	Dynamically self-aligning, cartridge-type, triple-sealed ball bearings, regreasable with steel sleeve		Trunnion-style bearings
Gang Arbor Bolts	1.5 in. (38 mm) square spring steel		1.75 in. (45 mm) square spring steel
Gang Spool Type	Bell-shaped nodular iron with machined ends		
Gang Spool Diameter	6 in. (152 mm)		8 in. (203 mm)
Typical PTO HP Requirements ¹	11 to 15 PTO hp/working ft. (27 to 37 kW/m)	12 to 17 PTO hp/working ft. (29 to 42 kW/m)	18 to 22 PTO hp/working ft. (44 to 54 kW/m)
GENERAL			
Mainframe	Rigid models: 6 × 8 in. (152 × 203 mm) structural tubing (folding models also have 2 additional 7 × 7 in. [178 × 178 mm] fore-aft tubes)		
Gang Tubes	4 × 10 in. (102 × 254 mm) structural tubing		
Bearing Guard	Outside rear gang standard, optionally available for other bearing locations		
Weight ²	8,500 to 16,000 lb. (3 856 to 7 258 kg)		
Wheels	Dual wheels with heavy-duty 8-bolt hubs with replaceable spindles; 125L × 15 tires standard / 31 – 13.5 × 15 terra rib tire optional		
TRANSPORT			
SMV Emblem	Standard		
Transport Locking System	Standard		
Warning and Tail Lights	Standard		
Safety Chain	Standard		
DEPTH ADJUSTMENT			
Depth Control	Mechanical depth-stop collars fit over main lift cylinders as standard, single-point hydraulic depth control optional		
GANG FEATURES			
Disk Blade Design	Earth Metal, shallow concavity, crimp center and self-sharpening		
Gang Disk Spools Type	Bell-shaped, nodular iron with machine ends		
Front and Rear Gang Disk Angle	Adjusts 34° to 46°		
Rear Gang	Adjusts laterally		
Scrapers	Heavy-duty, spring steel, blade conforming		
Furrow Filler	Standard		

1 HP requirements may vary, depending on soil type, terrain, residue and tractor.

2 Operating weights will vary, based on disk blade size and spacing. Weights shown are based on the standard disk blades.

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