

ATHENS

MODEL 76/77



The Model 76/77 has been designed for faster and more uniform incorporation, better seedbeds, and less time in the field. The advanced double offset design allows you to disk at faster speeds. The 76/77 follows the contour of the field leaving a uniform level seedbed behind.



" WE PLOW THE EARTH "



MODEL 76 SPECIFICATIONS

WIDTH OF CUT	NUMBER OF DISCS	NUMBER OF BEARINGS	*APPROX. DBHP	APPROX. WEIGHT (lbs.)
8' 10"	24, 26, 28	8	60 - 70	2,900
10' 3"	28, 30, 32	8	70 - 80	3,200
11' 1"	34, 36	12	75 - 85	3,500
11' 8"	32	12	75 - 90	3,400
13' 1"	36	12	90 - 100	3,700
13' 5"	40, 44	12	90 - 110	3,800
14' 6"	40	12	95 - 115	3,900
15' 1"	44, 48	12	100 - 120	4,200

*Approximate Draw Bar Horse Power is only a guide. Extremely hard, soft, hilly or boggy conditions will change these figures. D.B.H.P. in excess of the recommended will void all warranty provisions.

STANDARD EQUIPMENT

- 1 1/4" Cold Rolled Square Gang Axles
- Quadraseal Ball Bearings
- Disk Blades, 22" or 24" Cutout or Smooth
- Spacing 7 1/2", 9" or 9" Front and 7 1/2" Rear
- Tapered Front and Rear Gangs
- Self Leveling Frame
- Reversible Tongue Clevis
- Adjustable Angle of Cut: 15° or 18°
- Split Wheel Carriages
- Wheel Hubs and Rims
- Dual Wheels on all 77's and on 76's from 14'6" to 15'1"
- Lifting Hydraulics
- Heavy Duty Tube Mounted Scrapers
- Cover Discs with Scrapers
- Gang Wrench and Tongue Jack

OPTIONAL EQUIPMENT

- Rigid or Spring Bearing Hangers

EXTRA EQUIPMENT

- Dual Wheels – on 76's, 8'10" to 13'5"

FEATURES

The MAINFRAMES of the 76/77 combine structural steel tubing and high strength angle welded and reinforced for maximum strength. Structural angle is used for the side members allowing the frame to flex so it can follow the contour of the field ... This feature reduces the stress on the frame and lengthens the life of the components.

The TONGUE is designed like a narrow "A" frame permitting shorter turns in the field. It is fitted with a balanced reversible clevis to accommodate a variety of drawbars.

GANG FRAMES are constructed from 3" x 5" heavy wall structural steel tubing.

DISC GANGS start with an axle made from 1 1/4" cold rolled square steel. The spacers are arbor machined to keep the gang components in perfect alignment. Tapered gangs front and rear reduce furrows and ridges leaving a smooth seedbed even at faster speeds. Spacing is available in 7 1/2", 9", or a combination of 9" front and 7 1/2" rear.



TWO STAGE LEVELING keeps the frame level in the field and in transport. After hitching the clevis to the tractor, the turnbuckle adjusts the tongue position to level the disk frame in transport. In the field, a leveling screw that connects the tongue to the wheel carriages is adjusted for field conditions and discing speed desired. After initial adjustment, the frame remains level while being lifted and lowered. A TURNBUCKLE connects the wheel carriages for precise side-to-side leveling.



The Rigid Bearing Hanger features a **Wear Plate** that bolts onto the front-side of the Bearing Hanger adding extra protection to the front and bottom of the Bearing Housing.

MODEL 77 SPECIFICATIONS

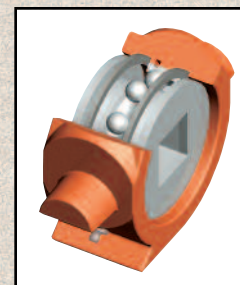
WIDTH OF CUT	NUMBER OF DISCS	NUMBER OF BEARINGS	*APPROX. DBHP	APPROX. WEIGHT (lbs.)
11' 1"	34, 36	12	75 - 90	3,850
11' 8"	32	12	75 - 95	3,825
13' 1"	36	12	90 - 100	4,125
13' 6"	40, 44	12	95 - 110	4,390
14' 5"	40	12	100 - 120	4,350
15' 1"	44, 48	12	105 - 120	4,325
15' 9"	44	12	110 - 120	4,528

DISC BLADES

Available in 22 and 24 inch sizes. Athens Plow offers tailored solutions to meet your discing needs.

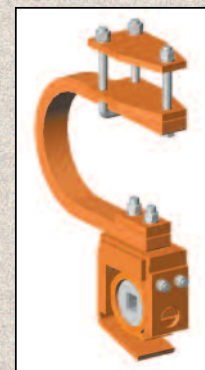
Smooth blades are best utilized in normal field conditions. They are more economical, wear longer, weigh more than cutout blades, and cut crop residue evenly.

Cutout blades are more aggressive and trap residue better than smooth blades.



Quadraseal Ball Bearings

Strong relube QUADRASEAL ball bearings on the Model 76/77 mean long life and less downtime.



The Spring Bearing Hanger

provides maximum strength without sacrificing flexibility. It also features a **Wear Plate** which protects the front and bottom of the Bearing Housing.

Athens Plow Co., Inc. guarantees each piece of equipment against defective materials and workmanship for a period of one year from the date of delivery to the purchaser unless otherwise specified. Athens Plow Co., Inc. reserves the right to make changes and/or improvements in design and construction of parts or machines without notice or obligation.

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