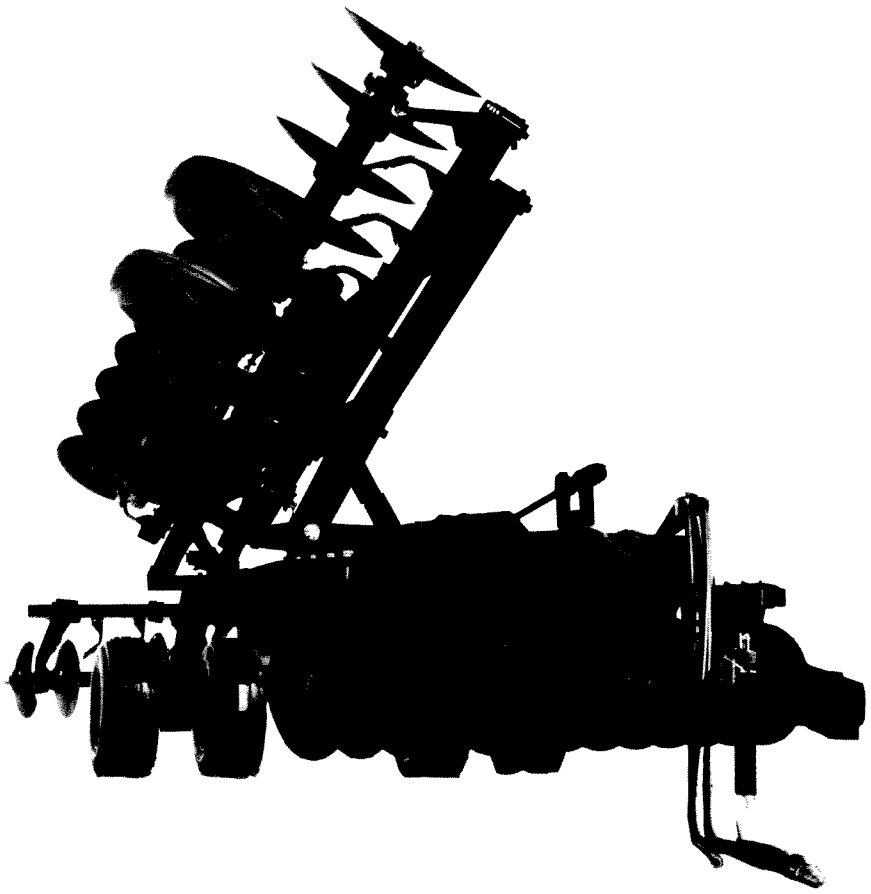
Miller Series I Offset Discs

MANUFACTURED BY
K&M MFG. CO., INC.
HAY KING-MILLER-JOHNSON

Designed for hard usage with superior soil leveling action for primary tillage or final seedbed preparation



Strong and aggressive, the new Miller Series I Offset Discs are designed to withstand heavy usage while providing smooth leveling action. The same machine easily adjusts from plowing to a finish discing action! Miller discs are built with the strength and durability to meet the heavier usage of today's farming requirements and to provide the best possible tillage performance for the fuel and time expended.

Four Series I Offset models re available to meet different situations – narrow or wide frame rigid and two-section or three-section fold-up flex. All models share the same basic Series I components, strength and performance capability.

Positive Discing Control

Series I discs feature a patented hydraulic axle cylinder control that provides positive mechanical discing depth control, as well as wheel transport lock-down.

On flex models, the axle control is automatically sequenced with the wing folding cylinder in both up and down operation. This allows the wings to be lifted slightly for turns after the machine is raised, which eliminates side turning pressure on the wing wheels. The operator can make tighter turns, more easily, since the machine pivots on the main frame wheels only.

To assure smooth folding action on the three-section model, cylinder oil is flow-divided so both wings raise evenly. When the machine is lowered, the wings let completely down and release for flexing before the blades lower into the ground.

The advanced hydraulic concept provides for both axle and folding actions be be easily regulated by a single tractor control valve.

Hydraulic Leveling Control

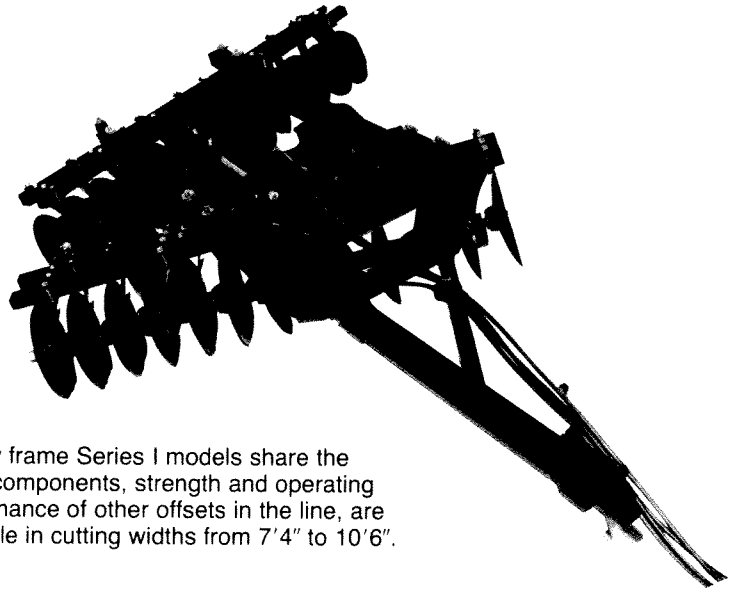
Series I discs feature Miller's patented hydraulic leveling unit. This allows maximum control of leveling action and handling of the disc from the tractor seat, as well as providing sideways control to hold the machine straight behind the tractor on hillsides.

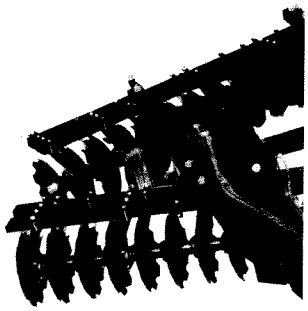
The leveling control is simple, easy-to-use, and adds greatly to the ease of operation and performance of the machine.

Rugged Design

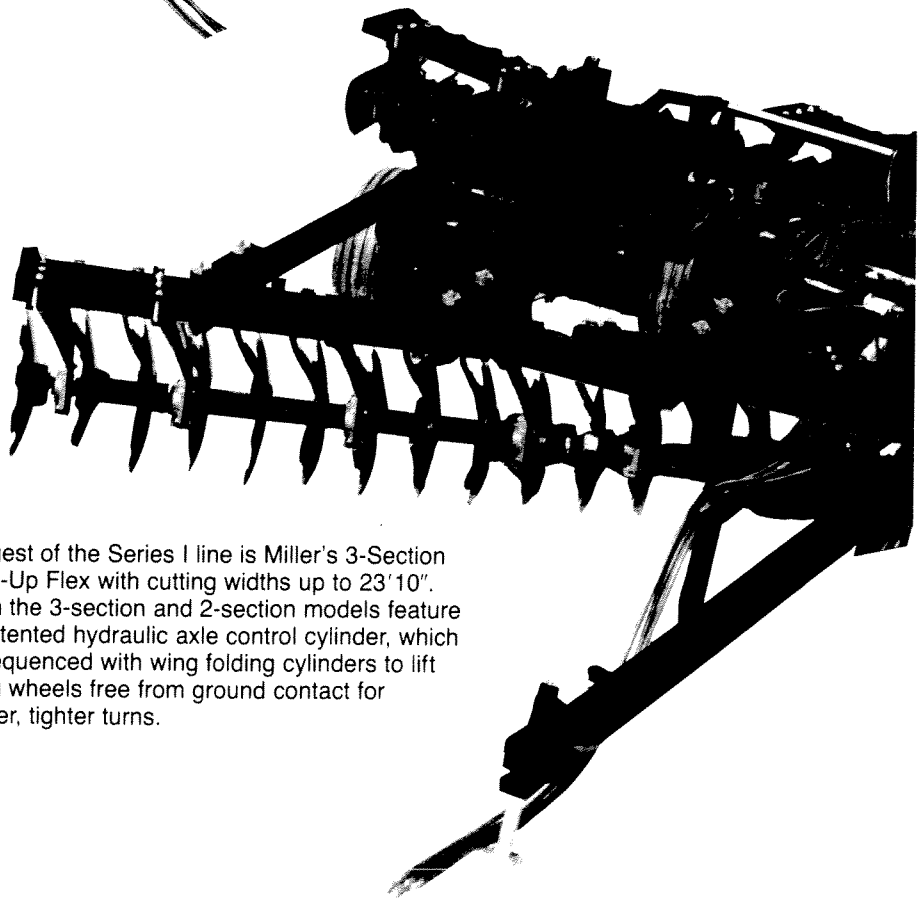
Miller Series I Offset Discs utilize advanced styling to gain the utmost in strength and performance capability for each machine type. These rugged models are available in 22″, 24″ or 26″ diameter blades, plain or notched edges, in different gauges to meet specific requirements. Disc blade spacing is close in the front section for better residue and weed cutting action, with wider back section spacing to more easily handle and condition the soil.

Frames and hitch are built of 5″ × 3″ and 5″ × 5″ tubing, heavily braced and with doubled tubing in high





Narrow frame Series I models share the same components, strength and operating performance of other offsets in the line, are available in cutting widths from 7′4″ to 10′6″.



Largest of the Series I line is Miller's 3-Section Fold-Up Flex with cutting widths up to 23′10″. Both the 3-section and 2-section models feature a patented hydraulic axle control cylinder, which is sequenced with wing folding cylinders to lift wing wheels free from ground contact for easier, tighter turns.

stress areas. Disc gang sections are held to the frame by a heavy double-pin clamping system that is extremely strong. Gang angle is adjustable from 17° minimum to 23° maximum to accommodate both heavy and finish work.

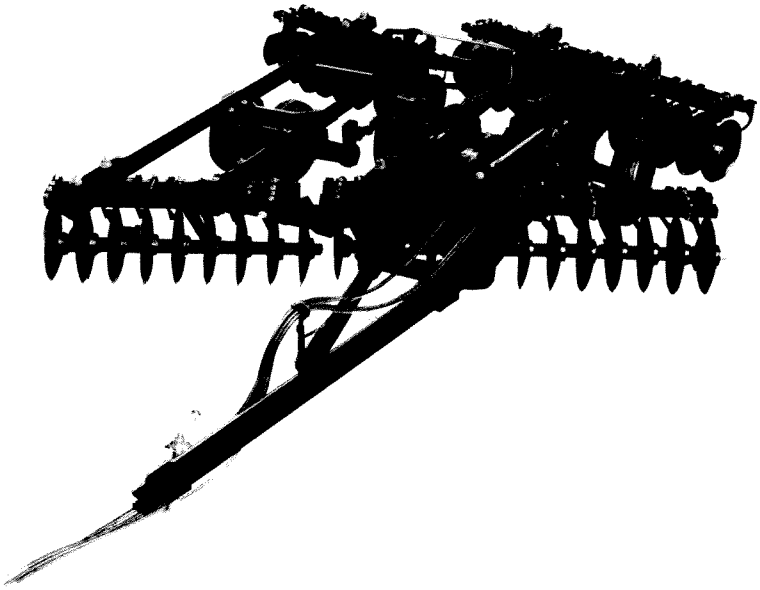
Choice of Shafts

Shafts are furnished as standard in 1¾" high carbon cold-drawn steel. For extreme conditions, shafts are available in heat-treated steel.

Also standard are steel spacing spools for extreme durability. An optional bearing position outside of the right front section blade can be specified for added strength in rocky soil or other very difficult conditions. All wheels have adjustment for side leveling if needed.

Heavy, adjustable disc blade scrapers are standard, with spring-loaded scrapers available as an option. These have a swiveling blade feature with adjustable tension and positioning adjustments.

Series I Rigid Discs are available in wide frame rigid models, ranging from 12'4" to 18'2" in cutting width.



Wings on the Series I 3-section fold compactly. Even the 23'10" model folds to 12'8" wide, is easily handled on narrow roads.

Series I – Models
1600 – Narrow Rigid
1700 – Rigid
1500 – Wide Rigid
1800 – 2 Section Flex
1900 – 3 Section Flex

Standard Equipment Includes:

Triple-sealed 211 disc section ball bearings on 1¾" shafts. Heavy-duty hubs with 6-bolt wheels. 9.5L × 15 tires on 1600 & 1700 axles, 11L × 15 tires on 1500 & 1800 axles & 1900 wing axles, 12.5L × 15 tires on 1900 main frame axles. Axle control cylinder, fold-up cylinders on flex models, hydraulic leveling, hydraulic hoses, blade scrapers, adjustment wrenches. Cushion-flex gang bearing mounting is optional.

Series I Machine Codes

Blade Spacing 8" front × 9" rear
Blade Options Available
14, 15, 50, 59, 60

Cushion Flex – See Option Page
59 & 60

Blade Spacing 9" front × 10½" rear
Blade Options Available
16 thru 31, 51 thru 57

Cushion Flex – See Option Page
20 thru 23, 26 thru 31, 53 thru 57

Blade Spacing 10½" front × 12" rear
Blade Options Available
26 thru 31, 55 thru 57

Cushion Flex – See Option Page
26 thru 31, 55 thru 57

Series I Narrow Rigid

Model Number	Cutting Width	Blades	Approx. Wt. (Lbs.)	Model Number	Cutting Width	Blades	Approx. Wt. (Lbs.)	Model Number	Cutting Width	Blades	Approx. Wt. (Lbs.)
1600-210 1600-220	7'4"	22	4,380	1600-220 1650-220 Cushion Flex	7'7"	20	4,680	1600-230 1650-230 Cushion Flex	8'7"	20	5,035
1600-410	9'3"	28	4,735	1600-420 1650-420 Cushion Flex	9'0"	24	5,120	1600-430 1650-430 Cushion Flex	9'5"	22	5,340
1600-510	10'6"	32	5,180	1600-520 1650-520 Cushion Flex	10'5"	27	5,585	1600-530 1650-530 Cushion Flex	10'3"	24	5,765

Series I Rigid Wide

1700-210	12'4"	37	6,570	1700-220 1750-220 Cushion Flex	12'6"	33	6,760	1700-230 1750-230 Cushion Flex	12'9"	30	6,935
1700-310	14'3"	43	7,025	1700-320 1750-320 Cushion Flex	13'11"	37	7,280	1700-330 1750-330 Cushion Flex	14'4"	33	7,470
1700-510	16'1"	49	7,400	1700-520 1750-520 Cushion Flex	16'1"	42	7,915	1700-530 1750-530 Cushion Flex	16'0"	37	8,135
1700-610	18'0"	54	7,855	1700-620 1750-620 Cushion Flex	18'2"	48	8,485	1700-630 1750-630 Cushion Flex	18'6"	43	8,725

Series I Wide Rigid

1500-410 1550-410 Cushion Flex	20'6"	62	9,105	1500-420 1550-420 Cushion Flex	20'4"	54	9,735	1500-430 1540-430 Cushion Flex	20'2"	47	9,980

Series I Two Section

1800-210	14'3"	45	8,330	1800-220 1850-220 Cushion Flex	14'8"	40	8,930	1800-230 1850-230 Cushion Flex	14'4"	35	9,150
1800-310	16'1"	50	8,785	1800-320 1850-320 Cushion Flex	16'9"	45	9,420	1800-330 1850-330 Cushion Flex	16'10"	40	9,675
1800-510	18'0"	56	9,160	1800-520 1850-520 Cushion Flex	18'2"	49	9,810	1800-530 1850-530 Cushion Flex	18'6"	44	10,100

Series I Three Section

1900-210	18'8"	59	11,990	1900-220 1950-220 Cushion Flex	18'2"	50	12,460	1900-230 1950-230 Cushion Flex	18'6"	46	12,745
1900-310	19'10"	63	12,350	1900-320 1950-320 Cushion Flex	20'4"	55	13,040	1900-330 1950-330 Cushion Flex	20'2"	49	13,255
1900-510	21'9"	66	12,800	1900-520 1950-520 Cushion Flex	22'5"	62	13,515	1900-530 1950-530 Cushion Flex	22'8"	55	13,755
1900-610	23'8"	74	13,040	1900-620 1950-620 Cushion Flex	23'10"	65	13,900	1900-630 1950-630 Cushion Flex	24'3"	58	14,170

Any piece of machinery can be built to custom specifications, i.e.: Blade spacings, blade options.

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