



SUMMERS[®]

DIAMOND DISK

SERIES 10



Major Features:

- Diamond shaped to “float” over rocks without damage.
- Triangular wheel arrangement and floating hitch eliminates ridging, skipping and gouging.
- Positive depth control.
- Superflex™ C-type bearing standards.
- Ductile cast spools and bearing holders.
- Heavy 4” x 6” frame.



FIELD TESTED TOUGH!

DIAMOND SHAPE

Super-Flex™ C-Shanks and Ductile Cast Spools

Super-flex™ C-shanks assist in absorbing shocks from rocks and stumps. This important feature extends the life of the bearings, blades and spools.

Toggle mounted, shielded, triple seal ball bearings are relubricable and self-align as the gang flexes.

Spools are made of ductile cast and have superior strength compared to cast iron.



Top Quality Disk Blades with Adjustable Scrapers

The Diamond Disk utilizes 26 inch size blades of the highest quality. Mounted on a 2 inch diameter shaft, the aggressive gang angle of 19° front and 18° rear assures proper penetration. The diamond design permits the use of full size blades. Outside “feathering” disk blades are eliminated since the disk leaves no ridge. It is unnecessary to raise the unit even when turning.

Adjustable mud scrapers are mounted on bearing standards in order to flex with the disk blades.



Five Sets of Wheels for Accurate Depth Control

Each wheel unit is equipped with a depth control cylinder. This feature, along with the triangular wheel arrangement of the center wheels; AND, the individual wheels on each flexible wing, maintains depth over field contours and ravines.



DIAMOND TOUGH



Floating Hitch

The long floating hitch follows the line of draft and carries only its own weight. Tillage depth is not affected by tractor wheels as with conventional units. Side draft is practically eliminated since disk pulls evenly.



Depth Control and Flexible Wings

Each set of wheels is raised or lowered by its own 3500 psi rated rephasing hydraulic cylinder. Depth is maintained by an hydraulic valve and can easily be readjusted.

Wings can flex 8° up and down following ground contours for even penetration.

The Diamond Disk is a heavy duty tillage unit with over 230 lbs. per blade for primary tillage. The 4" x 6" steel tubing used for the frame provides the weight and strength you need for deep penetration.



Single Disk Blade Option

The optional single disk blade cuts and tills the centerline of the disk leaving a uniform soil structure.



Mounted Harrow Option

With the optional Summers® **Mounted Harrow**, the Diamond Disk becomes a finishing tool for accurate chemical incorporation and seedbed preparation.

The proven Mounted Harrow can be adjusted for deep or shallow penetration and is flexible enough to ride over rocks and deep ditches.

SPECIFICATIONS

MODEL NUMBER	9K1827	9K2127	9K2427	9K2827	9K3227	9K3827	9K4427
CUTTING WIDTH	18-1/2'	21-1/2'	24-1/2'	28'	32-1/2'	38-1/2'	44-1/2'
TRANSPORT WIDTH	18-1/2'	21-1/2'	20-1/2'	20-1/2'	20-1/2'	22'	22'
TRANSPORT HEIGHT	6'	6'	9'	10'-9"	13'	15'-10"	18'-10"
TRANSPORT LENGTH	34'	34'	34'	34'	34'	37'	37'
ESTIMATED WEIGHT, lbs	11,401	12,659	1,6473	17,833	19,510	23,453	26,400
APPROX. ENGINE HORSEPOWER	136-181	158-211	180-240	206-274	239-318	283-377	327-436
BLADE SPACING	10"	10"	10"	10"	10"	10"	10"
WEIGHT PER BLADE, lbs.	271	253	284	270	250	250	240
WEIGHT PER FOOT, lbs	616	585	672	637	600	609	593
BLADES, WING	Front Rear	Front Rear	Front Rear	Front Rear	Front Rear	Front Rear	Front Rear
BLADES, CENTER	5+6 10	7+6 6+6	8, 8 9, 9	8, 8 9, 9	8, 8 9, 9	8+7 7+6	10+9 9+8
TOTAL BLADES	42	50	58	66	78	94	110
BLADE SIZE	1/4" x 26"	1/4" x 26"	1/4" x 26"	1/4" x 26"	1/4" x 26"	1/4" x 26"	1/4" x 26"
GANG SHAFT	2"	2"	2"	2"	2"	2"	2"
GANG ANGLE	Cold Rolled	Cold Rolled	Cold Rolled	Cold Rolled	Cold Rolled	Cold Rolled	Cold Rolled
BEARINGS, WING	19° Front 18° Rear	19° Front 18° Rear	19° Front 18° Rear	19° Front 18° Rear	19° Front 18° Rear	19° Front 18° Rear	19° Front 18° Rear
BEARINGS, CENTER	Front Rear	Front Rear	Front Rear	Front Rear	Front Rear	Front Rear	Front Rear
TOTAL BEARINGS	2+2,2+2 3,3	2+2,2+2 2+2,2+2	3,3 3,3	3,3 3,3	3,3 3,3	3,3 3,3	3,3 3,3
SHIELDED TRIPLE SEAL BEARINGS	14	16	20	22	26	30	36
"SUPER-FLEX" C-SHANK	Relubricable	Relubricable	Relubricable	Relubricable	Relubricable	Relubricable	Relubricable
TOTAL DUCTILE FULL SPOOLS	1-1/4" x 2-1/2"	1-1/4" x 2-1/2"	1-1/4" x 2-1/2"	1-1/4" x 2-1/2"	1-1/4" x 2-1/2"	1-1/4" x 2-1/2"	1-1/4" x 2-1/2"
TOTAL DUCTILE HALF SPOOLS	14	16	20	22	26	30	36
CENTER WIDTH	18-1/2'	21-1/2'	14-1/2"	14-1/2"	14-1/2"	16'	16'
WING WIDTH	-	-	5'	6-3/4'	9'	11-1/4'	14-1/4'
FRAME CONSTRUCTION	Tubing 4" x 6"	Tubing 4" x 6"	Tubing 4" x 6"	Tubing 4" x 6"	Tubing 4" x 6"	Tubing 4" x 6"	Tubing 4" x 6"
FLOATING HITCH LENGTH	12'	12'	12'	12'	12'	12'	12'
TIRES ON CENTER	6 - 11L x 15"	6 - 11L x 15"	6 - 11L x 15"	6 - 11L x 15"	6 - 11L x 15"	6 - 12.5 x 15"	6 - 12.5 x 15"
TIRES ON WINGS	-	-	2 - 11L x 15"	4 - 11L x 15"	4 - 11L x 15"	4 - 12.5 x 15"	4 - 12.5 x 15"
HEAVY DUTY HUB	5000# 6 Bolt*	5000# 6 Bolt*	5000# 6 Bolt*	5000# 6 Bolt*	5000# 6 Bolt*	6100# 8 Bolt	6100# 8 Bolt
WING FLOAT	-	-	8° Up	8° Up	8° Up	8° Up	8° Up
DEPTH	1 - 4" x 10"	1 - 4" x 10"	8° Down	8° Down	8° Down	8° Down	8° Down
CONTROL	1 - 4-1/2" x 10"	1 - 4-1/2" x 10"	1 - 4" x 10"	1 - 4" x 10"	1 - 4" x 10"	1 - 4" x 10"	1 - 4" x 10"
CYLINDERS	1 - 5" x 10"	1 - 5" x 10"	1 - 5" x 10"	1 - 5" x 10"	1 - 5" x 10"	1 - 5" x 10"	1 - 5" x 10"
WING LIFT CYLINDERS	-	-	1 - 5-1/2" x 10"	1 - 5-1/2" x 10"	1 - 5-1/2" x 10"	1 - 5-1/2" x 10"	1 - 5-1/2" x 10"
HYDRAULIC HOSES	-	-	1 - 6" x 10"	1 - 6" x 10"	1 - 6" x 10"	1 - 6" x 10"	1 - 6" x 10"
HITCH JACK	Standard	Standard	2 - 4" X 36"	2 - 4" X 36"	2 - 5" X 36"	4 - 4" X 36"	4 - 5" X 36"
TIE ROD WRENCHES (2)	Standard	Standard	Standard	Standard	Standard	Standard	Standard
ADJ. RIGID SCRAPERS	Standard	Standard	Standard	Standard	Standard	Standard	Standard

* 6100 Lb. 8-Bolt Optional

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Visit our web site at: www.summersmfg.com



GA-2075-0906-2.5M

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