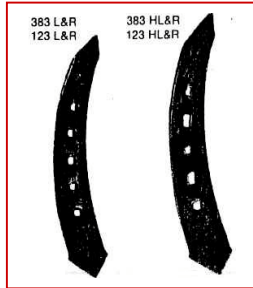




## TWISTED CHISELS - Slash Point

Will fit most modern Minimum-till coultter Chisels

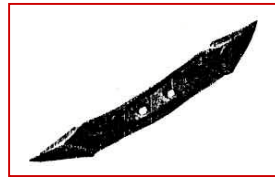
PART #	SIZE	HOLE SPACING	BOLT SIZE	WEIGHT/Lbs.
Single Piece Chisel (will replace 3-piece)				
OCC124R	1/2 x 4 x 26	2-1/4	1/2	11.7
OCC124L	1/2 x 4 x 26	2-1/4	1/2	11.7



## TWISTED CHISEL SPIKES

Made from heat treated, high carbon steel.  
Punched with hole and slot to fit 2-1/4 to 2-1/2 spacing.

PART #	DESC	BOLT USED	WEIGHT/Lbs.
123HL	3" x 1/2 x 22 Left	2-1/2 x 3" #3 Head	8.4
123HR	3" x 1/2 x 22 Right	2-1/2 x 3" #3 Head	8.4



## STRAIGHT SPIKE - UPSET

Upset spikes for increased wear. Punched with hole & slot to fit different spacing.

PART #	DESC	BOLT USED	WEIGHT/Lbs.
1858H	2" x 5/8 x 18	2-1/2 x 3 #3Head	
1878H	2" x 7/8 x 18	2-1/2 x 3 #3 Head	

## PLOW BOLTS - #3 HEAD FOR SHARES AND SWEEPS

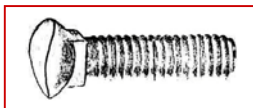
All bolts are grade #5, heat treated. Nuts for Bolts available separately.

Oversized Head - w / Nut	Standard Head - w / Nut	
Head Body Length Qty / BOX	SIZE Qty / BOX	7/16 x 2-1/4 50
7/16 x 3/8 x 1-1/4 50	3/8 x 1 50	7/16 x 2 50
7/16 x 3/8 x 1-1/2 50	3/8 x 1-1/4 50	7/16 x 2-1/2 50
7/16 x 3/8 x 1-3/4 50	3/8 x 1-1/2 50	7/16 x 3 50
1/2 x 7/16 x 1-3/4 50	3/8 x 1-3/4 50	1/2 x 1-1/4 25
1/2 x 7/16 x 2 50	3/8 x 2 50	1/2 x 1-1/2 25
1/2 x 7/16 x 2-1/4 50	1/2 x 1-3/4 25	1/2 x 2 25
1/2 x 7/16 x 2-1/2 50	7/16 x 1-1/4 50	1/2 x 2-1/4 25
	7/16 x 1-1/2 50	1/2 x 2-1/2 25
		1/2 x 3 25



## CLIPPED HEAD PLOW BOLT - without nut

SIZE	Qty / BOX	for shares and shins
3/8 x 1-1/4	50	
7/16 x 1-1/4	50	
1/2 x 1-1/2	50	



## S-TINE SWEEP BOLT - with Nut

SIZE	Qty / BOX
3/8 x 1-1/2	50
7/16 x 1-1/2	50
3/8 x 1-5/8	50

## STAY WIDE SWEEPS

Made of 1/4" heat treated, high carbon steel. Fo 2-1/4" to 2-1/2" centers. 1/2" hole punched. Use bolt with 1/2" head with 7/16" body as required.



PART #	ANGLE	WIDTH	THICKNESS	WEIGHT / Lbs.	APPLICATION
SW 443- 8 I	43 °	8"	1/4"	3.98	Designed to fit all chisel plows, requiring 43degree sweeps.
SW 443-10 I	43 °	10"	1/4"	4.57	
SW 443-12 I	43 °	12"	1/4"	4.9	
SW 443-14 I	43 °	14"	1/4"	5.28	
SW 443-16 I	43 °	16"	1/4"	6.6	Designed to fit all chisel plows, requiring 50 degree sweeps.
SW 450-8 C	50 °	8"	1/4"	3.98	
SW 450-10 C	50 °	10"	1/4"	4.57	
SW 450-12 C	50 °	12"	1/4"	4.9	
SW 450-14 C	50 °	14"	1/4"	5.28	
SW 450-16 C	50 °	16"	1/4"	6.6	

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Stay-Wide design keeps full width  
Longer Wear  
Heat treated high-carbon steel  
Punched 4202 1-3/4" centers  
4303 1-5/8" to 1-3/4" centers



## STAY-WIDE DESIGN SWEEP

### 4303 series - 3/8" hole punched

PART #	SIZE	THICKNESS	STEM ANGLE
4303-4	4"	1/4"	41°
4303-6	6"	1/4"	41°
4303-7	7"	1/4"	41°
4303-8	8"	1/4"	41°
4303-9	9"	1/4"	41°

### APPLICATION

John Deere 1000 series  
See application chart for others.

### 4202 series - 7/16" hole punched

PART #	SIZE	THICKNESS	STEM ANGLE
4202-4	4	1/4"	47 °
4202-6	6	1/4"	47 °
4202-7	7	1/4"	47 °
4202-8	8	1/4"	47 °
4202-9	9	1/4"	47 °
4202-10	10	1/4"	47 °
4202-11	11	1/4"	47 °

### APPLICATION

Case FC, TCW, FCM, Glencoe FC,  
900 White, Deere CCA C10 C20  
See application chart for others.

Use Bolt with 7/16" head and 3/8" body as required. This allows you to stock 1 sweep to service cultivators with either 7/16" or 3/8" bolts. 7/16" head - 3/8" body x desired length - Oversized Head - 7/16" bolt x desired length



## WINGED STAY-WIDE SWEEP

PART #	SIZE	THICKNESS	STEM ANGLE
	7	1/4"	47 °

## STAY-WIDE EZ-1 KNOCK-ON SWEEP

PART #	SIZE	THICKNESS	STEM ANGLE	WEIGHT
EZ-32-4	4"	1/4"	47 °	2 Lbs.
EZ-32-6	6"	1/4"	47 °	
EZ-32-7	7"	1/4"	47 °	2-1/8 Lbs.
EZ-32-8	8"	1/4"	47 °	
EZ-32-9	9"	1/4"	47 °	2-1/4 Lbs
EZ-32-10	10"	1/4"	47 °	2-3/8 Lbs.

### APPLICATION

For all field cultivators  
using 47 degree stem angle.

Stay-wide design keeps full width  
- longer wear. Eliminates rebolting  
when changing sweeps. Bolt on  
mounting clip, and never bolt on  
another sweep. Sweeps are driven  
into mounting clip with a hammer.



## SHANK ADAPTOR – for EZ Sweeps

SA-3	7/16" Bolts	1-5/8" to 1-3/4" centers
SA-5	1/2" Bolts	1-3/4" centers

For shanks with 3/8" hole use 3/8" bolt with 7/16" head



## REVERSIBLE POINT

211-5	5/16 x 1-3/4 x 11	
	1-3/4 –	2" center 7/16 bolt

NOTE: For 3/8 hole use 3/8 bolt with 7/16 head

54 Degree shank angle will  
allow higher speed with less  
dirt pushed onto crop.



## ROW CROP SWEEPS

PART #	DESCRIPTION	WEIGHT / Lbs.
4HSS3	4 x 3/16" Full Sweep	1.33
6HSS3	6 x 3/16" Full Sweep	1.42
8HSS3	8 x 3/16" Full Sweep	1.72
10HSS3	10 x 3/16" Full Sweep	2
12HSS3	12 x 3/16" Full Sweep	2.92

Note: Also half sweeps available.

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## S-TINES, SHOVELS, POINTS & CLAMPS

<p><b>1</b></p>	<p><b>STANDARD S-TINE</b> ORDER #3210560 Specifications 10 mm - .394" 32 mm - 1.25" 342 mm - 13.46" 560 mm - 22.00" Weight: 2.7 kg - 5.95 lbs.</p>	<p><b>2</b></p>	<p><b>HEAVY DUTY TINE</b> ORDER #3212560 Specifications 12 mm - .472" 32 mm - 1.25" 342 mm - 13.46" 560 mm - 22.00" Weight: 3.42 kg - 7.14 lbs.</p>
<p><b>3</b></p>	<p><b>HIGH CLEARANCE TINE</b> ORDER #3212660 Specifications 12 mm - .472" 32 mm - 1.25" 442 mm - 17.40" 660 mm - 26.00" Weight: 4.0 kg - 8.81 lbs.</p>	<p><b>4</b></p>	<p><b>HEAVY TINE</b> ORDER #4512660 Specifications 12 mm - .472" 45 mm - 1.75" 442 mm - 17.40" 660 mm - 26.00" Weight: 5.16 kg - 11.37 lbs.</p>
<p><b>5</b></p>	<p><b>HELPER SPRING</b> ORDER #3210100 Specifications 10 mm - .394" 32 mm - 1.25" Fits over 10 and 12 mm x 32 mm tines ORDER Special Clamp Weight: 1.5 kg - 3.3 lbs.</p>	<p><b>8</b></p>	<p><b>2.75" SHOVEL</b> ORDER #2344000 2.75" x .1875" Weight: .24 kg - .53 lbs. ORDER #2346000 2.75" x .25" Weight: .36 kg - .80 lbs.</p>
<p><b>6</b></p>	<p><b>REVERSIBLE POINT</b> ORDER #4062090 40 mm x 6 mm x 209 mm 1.50" x .25" x 8.25" Weight: .26 kg - .57 lbs.</p>	<p><b>9</b></p>	<p><b>4" SHOVEL</b> ORDER #4006000 100 mm x 6 mm 4.00" x .25" Weight: .49 kg - 1.07 lbs.</p>
<p><b>7</b></p>	<p><b>REVERSIBLE POINT</b> ORDER #5062150 (to fit heavy tine) 50 mm x 6 mm x 215 mm 2.00" x .25" x 8.50" Weight: .68 kg - 1.5 lbs.</p>	<p><b>10</b></p>	<p><b>7" SHOVEL</b> ORDER #7386000 7.375" x .25" Weight: .65 kg - 1.44 lbs.</p>
<p><b>CLAMPS</b></p> <p><b>11</b> CLAMP for .25" x 4.00" bar ORDER #1010024</p> <p><b>12</b> CLAMP for .25" x 4.00" bar for helper spring ORDER #1030024</p> <p><b>13</b> CLAMP for 2" x 2" bar ORDER #1002020</p> <p><b>14</b> CLAMP for 2" x 2" bar for helper spring ORDER #1032020</p> <p><b>15</b> CLAMP FOR HEAVY TINE (45 mm x 12 mm) for 2" x 2" bar ORDER #1022020</p> <p><b>16</b> POINT BOLT GRADE 5 10 mm x 38 mm ORDER #1003800</p> <p><b>17</b> POINT BOLT GRADE 5 10 mm x 45 mm for heavy tine ORDER #1004500</p>			

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# MINIMUM TILL BLADES

The quality of these Minimum till Blades is equal to O.E.M.  
Many popular sizes are available.

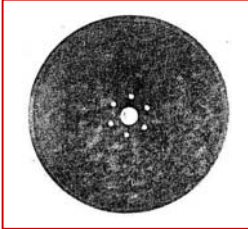
Our line of blades allows you to supply good quality parts for all makes of equipment.

## FLAT DISC BLADE

For chisel Plow, Soil Saver, etc.

20" Chisel 5mm

22" Chisel 5mm



## WAVY BLADES

8 wave

17" 1" wave 7 Gauge

17" 2" wave 7 Gauge

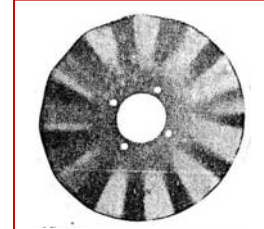


## WAVY BLADES

12 waves

15" - 16" - 17" 7 Gauge

**Note:** See page 6 for specifications



\* GRAIN DRILL COULTERS 16" & SEED OPENERS - Call us for information

# DISC BLADES

All blades made from top quality cross-rolled steel.  
Heat-treated, uniformly tough in all directions.

## STANDARD

SIZE	GAUGE
16"	11
18"	9
20" & 22"	7
22"	7 & 1/4"
24" & 26"	1/4"

## JOHN DEERE

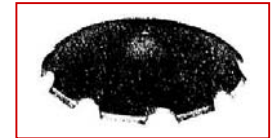
SIZE	GAUGE
20" & 22"	7

## I.H. RAISED FLAT CENTER

SIZE	GAUGE
20" & 22"	7

PLAIN

NOTCHED



# COULTER BLADES

## FLAT BLADES

SIZE	THICKNESS
20"	3/16"
20"	1/4"
22"	3/16"
22"	1/4"

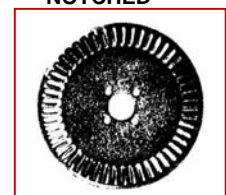
## FLUTED BLADES

SIZE	THICKNESS
17"	4.5MM
20"	4.5MM

For Chisel Plow, Soil Saver,...

FLAT BLADE

NOTCHED



All blades carried in various hole patterns, and can be cut to your specifications.

WARRANTY: Breakage on the outside guaranteed for 1" of wear.

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