

TILLAGE, PLANTING & SEEDING

PRODUCT SUPPORT KITS



Opener Disk and
Bearing Kit Seeding



Opener Disk



Coulter



Crimp Center Disk
(Case IH)



Full Concavity Disk
(All Makes)



Maxxi-Point Plus™
Sweep



Maxxi-Point™
Sweep



Maxxi-Width™
Sweep

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The decoiler feeds steel in one long continuous strip to a 2000 ton press.



Disk blanks emerge from the press.



Coils are mounted on decoiler.

PRODUCTION FACILITY

New Products and Processes

The needs of modern farming have presented agricultural tool suppliers with difficult challenges. Powerful tractors place great demands on tillage tools to work the soil deeper and faster. To meet this challenge, disk blades and sweeps must be hard enough to resist wear, yet sufficiently elastic so they won't break if they impact an obstacle.

To produce the best tillage tools for modern high speed farming, Case IH Earth Metal disk, coulters, openers and sweeps are manufactured from a new alloy steel which permits heat treating up to 52 Rc Rockwell without causing brittleness or loss of elasticity. These new blades are superior to the previous industry leader Earth Metal products.

In both lab and field test the new Earth Metal blades made from the alloy material have proven to be tougher and longer lasting than the previous Earth Metal steel.

If these new Earth Metal blades can out perform the previous industry best Earth Metal blades and sweep... they will out perform the typical carbon blades and sweeps by even greater margins.

Building Quality Into Every Disk

It's not only the materials that make Case IH disks stronger, the entire manufacturing process is designed to produce superior blades.

Our supplier, North American Tillage Tools Company (NATT), located in Hamilton, ONT, Canada has invested in new technologies and equipment to produce tillage tools to even higher standards of quality, durability and toughness. Automated production, including material handling robots, makes this state-of-the-art facility one of the most advanced in the world.

The cutting edge of the disk blades are precision machined using automated edge-turning equipment, to create the optimal combination of edge sharpness and strength.

A 25-ton decoiler feeds steel through a leveller to a 2000-ton press, which stamps out disk blanks. These blanks then undergo further processing, including edging, notching, shaping and heat treating. Automated processing at every stage boosts productivity and increases throughput, yielding shorter cycle times from order placement to delivery.



Automatic edge-turning equipment machines perfect edges every time.



Automatic notching machines can be programmed to produce any required number of notches.



Large capacity furnace heats disks to achieve optimal hardness, without sacrificing ductility.

PRODUCTION FACILITY

World-Class Efficiency

Automated production processes and robotics make NATT Co. one of the most efficient tillage tool producers in the world. A flexible manufacturing system, utilizing programmable equipment, enables production to shift quickly from one blade design to another, allowing customer orders to be filled quickly.

After emerging from the heat treating, disks are water quenched while firmly locked in their dies. This practically eliminates “wobble” in the shape of the disk and contributes to the overall toughness and durability of the blades.

In the finishing process, disks undergo shotblasting to remove scale. They are then coated with a hi-gloss enamel, which is baked to a smooth hard finish that improves surface appearance and provides rust protection.

Even the largest orders can be fulfilled quickly, to exact customer specifications.

The plant has installed a “new” inline - Paint line and Oven upgrade. The line is now fully automated with material handling robotics. A new inline-oven draws each blade individually to improve hardness and quality. Cycle time has been reduced from production to shipping warehouse by eight hours as the batch draw has been eliminated. This investment has improved product quality and streamlined operations.



Disks blades are water quenched, firmly locked in their dies, to maintain accurate shape.



Disks emerging from the paint line, are now ready for packaging and shipping.



Distribution Center - shipment to Case IH parts distribution centers or Case IH dealers for retail sales.



Disks entering furnace for heat treatment.

PRODUCTION FACILITY

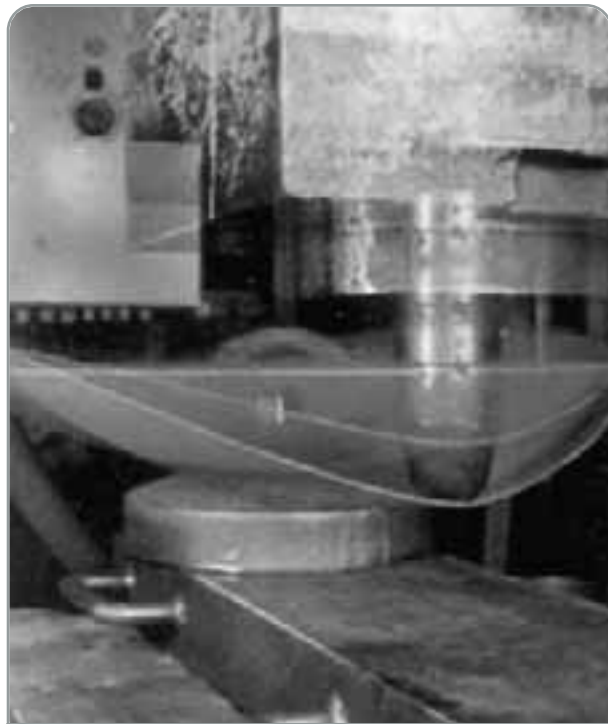
Quality Control

Quality tests are carried out on randomly selected blades from every single production run. These quality checks ensure all parts meet customer specifications.

Hardness is measured by a standard Brinell or Rockwell test. The hardness of the steel makes the disk more resistant to wear, giving it a longer useful life in the field. Case IH blades are manufactured to optimal hardness using the best available metallurgical practices.

The toughness of the disk is measured by a Ball test. The Ball test, performed at three different points on the disk, consists of forcing a polished steel ball with a diameter of 1" through a 0.5" diameter hole drilled in the disk; the length and shape of the resulting fractures is a measure of disk's ability to withstand stress.

Disks are also tested for their elasticity under load, such as when a disk in the field comes in contact with a rock. This test is performed by holding a disk in place by the center while one edge is depressed a certain distance. The pressure is then released and the difference between the initial position of the edge and the final position is measured. The propensity of the disk to return to its original shape is a measure of its ability to resist impact.



Disks are tested for their elasticity to determine how closely they return to their original shape after being subjected to load.




Quality control technician tests disks for hardness.

HOLE SPECIFICATIONS

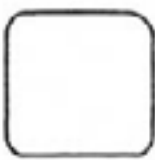
Square Round (SR)

(Type SR) Square Round	Hole Type	Arbor Bolt Size	Hole Size
	SR1	7/8" Sq./1" Rd.	59/64" Sq./1-3/64" Rd.
	SR2	1" Sq./1-1/8" Rd.	1-3/64" Sq./1-11/64" Rd.
	SR3	1-1/8" Sq./1-1/4" Rd.	1-11/64" Sq./1-19/64" Rd.
	SR4	1-1/4" Sq./1-1/2" Rd.	1-19/64" Sq./1-35/64" Rd.
	SR4.5	1-1/2" Sq./1-5/8" Rd.	1-35/64" Sq./1-43/64" Rd.
	SR5	1-1/2" Sq./1-3/4" Rd.	1-35/64" Sq./1-51/64" Rd.
	SR6	1-3/4" Sq./2" Rd.	1-51/64" Sq./2-3/64" Rd.
SR7	2-1/4" Sq./2-1/2" Rd.	2-19/64" Sq./2-35/64" Rd.	


Dual Square (DS)

(Type DS) Dual Square	Hole Type	Arbor Bolt Size	Hole Size
	DS1	7/8" Sq./1" Sq.	59/64" Sq./1-3/64" Sq.
	DS2	1" Sq./1-1/8" Sq.	1-3/64" Sq./1-11/64" Sq.
	DS3	1-1/8" Sq./1-1/4" Sq.	1-11/64" Sq./1-19/64" Sq.
	DS4	1-1/4" Sq./1-1/2" Sq.	1-19/64" Sq./1-35/64" Sq.

Square (SQ)

(Type SQ)	Hole Type	Arbor Bolt Size	Hole Size
	SQ1	-	1" Sq.
	SQ1.5	-	1-1/4" Sq.
	SQ2	-	2-3/8" Sq.

CL (Cloverleaf or Square)

	Hole Type	Arbor Bolt Size	Hole Size
	CL1	7/8" Sq.	52/64" Sq.
	CL2	1"	1-3/64" Sq.
	CL3	1-1/8" Sq.	1-11/64" Sq.
	CL4	1-1/4" Sq.	1-19/64" Sq.
	CL5	1-1/2" Sq.	1-35/64" Sq.
	CL6	1-3/4" Sq.	1-51/64" Sq.

DISK BLADES

EARTH METAL

Features and Benefits

To meet the demanding needs of today's tillage equipment, we will offer disks manufactured from a unique new alloy steel with the following features and benefits:

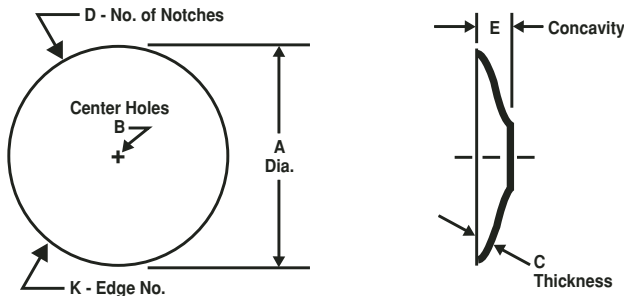
- **Wear** - better than previous Earth Metal material formulation, which has been the standard of the tillage industry for over 20 years. These results have been validated in both lab and field tests.
- **Toughness** - This new alloy material will offer a product even tougher and stronger than our previous blades and sweeps, which have outperformed the competition for over 20 years.
- **Shape Control** - Wobble on disks will be reduced by more than 75% for improved performance
- **Machined edge** for better penetration and edge durability
- **Diameter increase** - The diameter on all 26", 28", 32" blades has been increased by 1/2" to provide more material in the critical 2-3" wear zone. Potential additional wear life is highlighted in the table listed below.
- All blades are manufactured in North America for consistent high quality



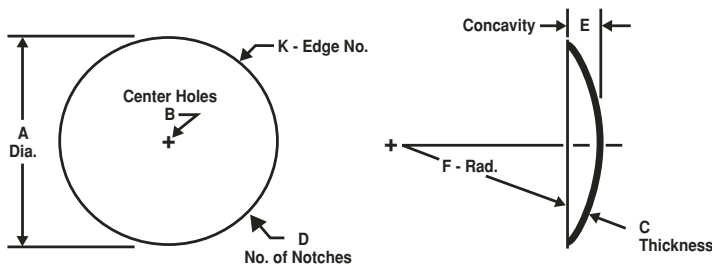
Crimp Center Blade



Full Concavity Conventional Blade



Harrow disk (flat center crimp)



Harrow disk (full concavity)

Wear Zone Table

28" Blade Normal Placement	Current Wear Zone	Revised Wear Zone	Potential Increase Wear Life
Replacement at 26"	2"	2.5"	25%
Replacement at 25"	3"	3.5"	17%
Replacement at 24"	4"	4.5"	13%

**MORE WEAR LIFE
FROM CASE IH.**

CRIMP CENTER DISK BLADES

Case IH Crimp Center Disk Blades

DIA IN.	THICKNESS MM.	PART NUMBERS		7/8" SQ	1-1/8" SQ	1-1/4" SQ	1-1/2" SQ	1-1/2" RD	1-3/4" SQ	Hole Style	SUPER SHARP SOLID	EDGE NOTCHED
		STD. EDGE SOLID	STD. EDGE NOTCHED									
16	3.0	P34073	31019R1		X					SR1		
16	3.0		31022R1		X					SR3		
16	3.5	651197R1			X					SR3		
16	4.5	31394R1				X		X		SR4	87442973	
18	3.5		31018R1	X						SR1		
18	4.0	482986R2			X					DS2	87618082	
18	4.0		482987R2		X					SR3	87618083	
18	4.5	31392R1	31395R1			X		X		SR4	87442974	87442979
18	5.0	31230R1				X		X		SR4	87442980	
20	4.5	482973R1	482974R1		X					SR3	87618084	87618085
20	4.5	31388R1	31389R1			X		X		SR4	87442981	87442982
20	5.0	31268R1*				X		X		SR4	87442986*	
20	5.0	197604A1*			X					SR3	87618086*	
20	5.0	30999R1	31196R1			X		X		SR4	87442983	87442984
20	6.5	31232R2				X		X		SR4	87442985	
22	4.5	472218R1	P24425		X					SR3	87618087	87618088
22	4.5	31390R1	31393R1			X		X		SR4	87442991	87442992
22	5.0	482975R1	482976R1		X					SR3	87618089	87618090
22	5.0	183573A1*			X					SR3	87618095*	
22	5.0	31000R1	31197R1			X		X		SR4	87442993	87442994
22	5.0	31345R1*				X		X		SR4	87442996*	
22	6.5	1131073R2			X					SR3	87618093	
22	6.5	31217R2				X		X		SR4	87442995	
22	6.0	87585209			X					SR3	87618091	
22	6.0	87585208				X		X		SR4	87618092	
22	6.5	549991R2	549990R2				X	X		CL5	87443000	87612754
24	5.0	543437R1	543438R1		X					CL3		
24	6.5	181604A1	181605A1			X		X		SR4	87442997	
24	6.5	549987R2	549986R2				X	X		CL5	87443004	
24.3	6.0	87585205	87585206				X	X		CL5		
26.5	6.0	87585196	87585197				X	X		CL5		
26.5	6.5	58934C3	58917C3				X	X		CL5		
26.5	8.0	28336R3	28345R3				X	X		CL5		
28.5	6.5	27601R3	27600R3				X	X		CL5		
28.5	6.0	8758202	87585203				X	X		CL5		
28.5	8.0	31224R3	31225R3				X	X		CL5		
28.0	8.0	60276C3						X		CL6		
30	8.0	60278C3						X		CL6		
32.5	8.0	130868A2	60279C3						X	CL6		

Shallow Concavity C.C. Disk Blades

22.5	5.0		-				X			CL5	87443001	
22.5	6.5		-				X			CL5	87443002	
24.5	6.5		-				X			CL5		87443006
24.5	5.0		-				X					87443005

NOTE1-Starter Hole requires a special torch to shape center hole to fit specific arbor bolt size.

* # 11 Edge

FULL CONCAVITY DISK BLADES

Case IH Disk Blades - All Makes Full Concavity

DIA IN.	THICKNESS MM.	STD. EDGE SOLID	PART NUMBERS													Hole Style	SUPER SHARP SOLID	EDGE NOTCHED		
			STD. EDGE NOTCHED	7/8" SQ	1" SQ	1" RD	1-1/8" SQ	1-1/8" RD	1-1/4" SQ	1-1/2" SQ	1-1/2" RD	1-5/8" RD	1-3/4" SQ	1-3/4" RD	2" RD				2-1/4" SQ	
16	3.0	963879R2			X		X											DS2		
16	3.0	121913A1					X	X										CL3		
18	3.5	963880R2			X		X											DS2		
18	3.5	121914A1					X	X										CL3		
18	4.0	1131022R2	1131021R2				X			X								DS3	87618050	87618051
18	4.0	B500779								X								SR4	87618052	
20	4.5	31200R1		X		X												SR1	87618053	
20	4.5	30922R1	998810R1				X			X								DS3	87618054	87618055
20	4.5	998809R1	1131014R1							X			X					SR4	87618056	87618057
20	4.5	121915A1					X	X										CL3	87618058	
22	4.5	960794R1	960795R1														X	SQ2	87618059	87618060
22	5.0	604633R3	998854R2							X						X		SR5	87618064	87618065
22	5.0	644010R5	955510R4				X			X								DS3	87618066	87618067
22	5.0	960968R4	961526R4							X			X					SR4	87618068	87618069
22	5.0	222003A1*								X			X					SR4	87618076	
22	5.0	1132243R1	1132244R1							X			X					SR4.5	87618070	87618071
22	6.5	1132171R2								X			X					SR4	87618074	
22	6.5	2804355R1								X						X		SR5	87618075	
22	6.0	87585206								X			X					SR4	87618072	
22	6.0	87585207								X					X			SR5	87618073	
22	4.5	87444784	87444785				X			X								DS3	87618061	87618062
22	4.5	87444786								X			X					SR4	87618063	
24	5.0	644011R5					X			X								DS3		
24	5.0	956702R4								X			X					SR4		
24	5.0	604858R3								X								SR5		
24	5.0	998827R1													X		X	SR6		
24	6.5	407293R2	407428R2		NOTE1													SQ1		
24	6.5	963862R2	963863R2															SQ2		
24	6.5	790-1000								X			X					SR4		
24	6.5	998865R3	998866R3							X						X		SR5		
24	6.5	31334R1															X	R6		
24	8.0	2804227R2								X							X	SR5		
26.5	6.5	407298R3	407429R3		NOTE1					X								CL4		
26.5	6.5	407434R4	407431R4							X							X	SR5		
26.5	6.5	31332R2													X		X	SR6		
26.5	8.0	31357R2	31356R2												X		X	SR6		
26.5	8.0	2804228R3								X							X	SR5		
28.5	6.5	407300R3	958243R4						NOTE1									SQ1.5		
28.5	8.0	339388A2	339389A2						NOTE1									SQ1.5		
32.5	8.0		998861R2						NOTE1									SQ1.5		

NOTE1-Starter Hole requires a special torch to shape center hole to fit specific arbor bolt size.

* # 11 Edge

Disk Blades - Flat Center for DMI/CNH Goodfield Rippers

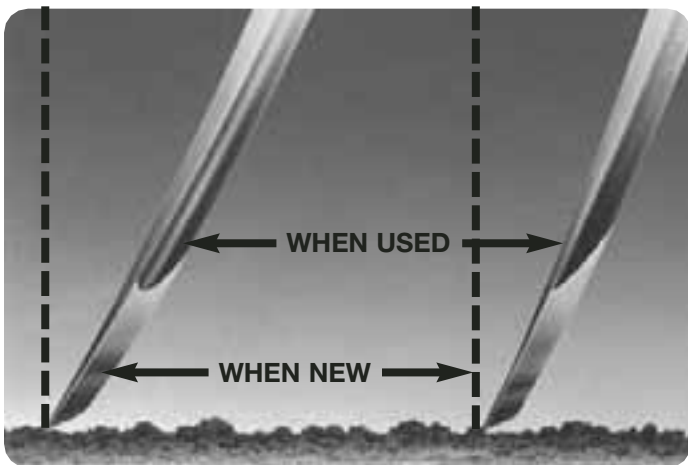
Part No.	Diameter	Thickness	Holes	Type Edge
443623A1	14"	2.5mm	4	Sandard
443628A1	18.1"	3.0mm	4	Sandard
443630A1	18.1"	3.0mm	4	Sandard
87443007	20.3"	5.0mm	5	Super Sharp
87443008	20.3"	6.5mm	5	Super Sharp
87443009	20.3"	6.5mm	5	Super Sharp - Notched
87443010	22.3"	6.5mm	5	Super Sharp

DISK BLADES

Lower operating costs. By outlasting competitive blades, Case IH blades offer lower replacement and maintenance costs. But the advantages of our blades go well beyond longevity. The proven crimp-center, shallow concavity design requires less drawbar pull than competitive designs. And easy-pulling blades mean better fuel economy and higher productivity.

Due to their sharp, vertical cutting angle, our blades require less weight than other blades to penetrate the soil at the same depth. This creates less soil back-pressure, and reduces the potential for soil compaction.

For greater reliability, crimp-center blades feature a large area in the center to absorb shock loads from the outside edges. This flat surface area fits snug against the disk's machined, bell-shaped spacer spool to provide additional support for the blade.



Conventional Full Concavity Disk Blade

Case IH Design



Crimp Center Blade

Here's another reason why our shallow-concavity, crimp center Earth Metal blades out-wear all others: they sharpen themselves. Compared to conventional full concavity disk blades, our innovative, self-sharpening wear pattern further extends blade life, saving you time and money. Case IH shallow concavity provides better penetration with less weight.

Case IH Crimp Center blades are designed specifically for IH and Case IH harrows. We do not recommend installing on other brands of harrows requiring full concavity blades. For all other brands of harrows we recommend Case IH full concavity conventional blades.



SUPER SHARP™

- The new Super Sharp Edge is designed to process and size residue of the toughest BT genetic corn and soybean varieties as well as wheat and barley straw.
- Super Sharp Edges are machined to tight tolerances to provide unparalleled residue cutting. Edges are up to 5 times sharper than conventional disc edges.
- Super Sharp Edges stand up under rocky conditions, no chipping or cracking of the edges...thanks to the superior quality of the Earth Metal Alloy Steel.
- Penetration in hard soil conditions is enhanced due to the sharper edges.

Super Sharp is a trademark of North American Tillage Tool Company.

DISK ASSEMBLIES

Planter and Grain Drill Disk Assemblies

Case IH Applications

	90850C92 (3.5mm x 14')	90851C92 (3.5mm x 14')	141464C92 (3mm x 14')	1277891C91 (2mm x 8')	603020R92 (2mm x 14')	1344911C1 (2mm x 14')
Disk	1337971C1	1337971C1	492756R1	1263938C1	603013R2	603013R2
Bearing	1268017C91	1268017C91	1268017C91	1268017C91	465004R91	1268017C91
Flange	90409C1	90409C1	90409C1	149170C2	602989R1	149170C2
Rivet	447-49	447-49	447-49	447-49	45-48	447-49
Bearing Cap (steel)	324180A1	324180A1	324180A1	324180A1	603012R1	492709R2
Bolt RH	326-1028	326-1028	492750R1	413-1028	603010R2	106-91020
Bolt LH	28067R1	28067R1		413-1028	603011R2	1978957C1

603013R2 is not Earth Metal

•Bearing Caps and Bolts are not included in assemblies.

Optional rubber dust cap part number 428549A1 available in lieu of steel cap part number 324180A1. When using in no-til applications. An adhesive is recommended.

New Earth Metal Opener Disks & Earth Metal Disk Assemblies for Other Brands

Part No.	Application	Size	Manufacturer P/N Reference Only
			Lilliston-Bushog-MF 427
429998A1	Opener Disk Coulter Blade Only	355mm (14') x 4mm	500-07-253
			Lillison-Melrose
416443A1/B1980616C1	Opener Disk Assembly	343mm (13.5') x 3mm	6603280/1
			Sunflower-Best
416010A1 (Bearing Kit 435483A1)	Opener Disk Blade Only	381mm (15') x 3.5mm	7176/DR800008
416015A1 (Bearing Kit 435483A1)	Opener Disk Blade Only	330mm (13') x 3mm	
435483A1*	Bearing Kit (Bearing and Bolts)		
			Tye-Uft
416442A1/B1980615C1	Opener Disk	343mm (13.5') x 3mm	540-647/012
			Marliss-Sukup-M&W
416015A1 (Bearing Kit 435483A1)	Opener Disk Blade Only	330mm (13') x 3mm	701010
435483A1*	Bearing Kit (Bearing and Bolts)		702020
			Krause
416442A1/B1980615C1	Opener Disk Assembly	343mm (13.5') x 3mm	5250-484-OALH
410526A1	Opener Disk Assembly	343mm (13.5') x 3mm	5250-484-OARH
			Crustbuster
416442A1/B1980615C1	Opener Disk Assembly L.H.	343mm (13.5') x 3mm	863597LH
416442A1/B1980615C1	Opener Disk Assembly R.H.	343mm (13.5') x 3mm	863597RH
B500276	Opener Disk Assembly Lead	381mm (15') x 3mm	859090
416443A1/B1980616C1	Opener Disk Assembly Trail	343mm (13.5') x 3mm	863597
416018A1 (Bearing Kit 435480A1)	Opener Disk Blade only Notch	406mm (16.1') x 4mm	
416017A1 (Bearing Kit 435480A1)	Opener Disk Blade only Plain	406mm (16.1') x 4mm	
435480A1*	Bearing Kit (2 Bearings and Bolts)		400580/401042
			John Deere
141464C92	Opener Disk Assembly Fert.	343mm (13.5') x 3mm	AA27458
419594A1*	Bearing Kit 750 No-Till		AA44267
413344A1	Domed Double Disk Blade	343mm (13.5') x 2.5mm	N164594
413345A1	Opener Disk Fer. Blade Only	406mm (16.1') x 5mm	A48720
B500276	Opener Disk Assembly (AA20242)	381mm (15') x 3mm	AA37474
133480A1 (Bearing Kit 419594A1)	Opener Disk - J.D. 750/1850	460mm (18.1') x 5mm	
			Kinze
428354A1	Opener Disk Assembly - H.D.	381mm (15') x 3.5mm	GA8324
B500276	Opener Disk Assembly	381mm (15') x 3mm	GA2013
87298834	Fluted Coulter	406mm x 4.0mm	D9254
			Great Plains
416443A1/B1980616C1	Opener Disk Ass'y. New Flange	343mm (13.5') x 3mm	107-054S/
136617A1	Seed/Fertilizer Opener	406mm (16.1') x 3.5mm	AC71510363

*Bearing Kits available on Product Support Program

Replacement Information

New Part No.	416442A1	Replaced Part No.	1980615C1
	416443A1		1980616C1

MAXXI-WIDTH™ SWEEP

Chisel Plow Sweep

- “Constant-Width” design helps maintain original cutting width during the life of the sweep... provides consistent overlap for more effective tillage work
- Full 1-1/2” heavy-duty patented wear point to provide a sharp point for improved penetration even in toughest soils
- Up to 30% more material in high wear and stress areas for longer wear
- Lower crown and lower profile wings to pull easier, leave more crop residue while providing excellent moisture and weed control
- And, of course, all Case IH sweeps and shovels are made from Earth Metal alloy steel and consistently heat treated for longer wear and extra toughness.
- Designed for 1/2” plow bolts

In one pass, this unique Earth Metal sweep - with its low crown and low wing profile - can leave 70-85% residue in corn and wheat, and 50-60% in more fragile crops like soybeans. It's perfect for today's conservation tillage.



Older Case IH models and some all makes applications

Size	Thickness	Part No.	Hole Spacing	Stem Angle
8'	1/4"	1547105C1	2-1/4" to 2-1/2"	43°
10'	1/4"	1547106C1	2-1/4" to 2-1/2"	43°
12'	1/4"	1547107C1	2-1/4" to 2-1/2"	43°
14'	1/4"	1547108C1	2-1/4" to 2-1/2"	43°
16'	1/4"	1547109C1	2-1/4" to 2-1/2"	43°
18'	1/4"	1547110C1	2-1/4" to 2-1/2"	43°

Older Case IH models and some all makes applications

Size	Thickness	Part No.	Hole Spacing	Stem Angle
12'	5/16"	248517A1	2-1/4" to 2-1/2"	43°
14'	5/16"	248518A1	2-1/4" to 2-1/2"	43°
16'	5/16"	248519A1	2-1/4" to 2-1/2"	43°
18'	5/16"	248520A1	2-1/4" to 2-1/2"	43°

Current Case IH models and most all makes applications

Size	Thickness	Part No.	Hole Spacing	Stem Angle
8'	1/4"	133765A1	2-1/4" to 2-1/2"	50°
10'	1/4"	133766A1	2-1/4" to 2-1/2"	50°
12'	1/4"	133767A1	2-1/4" to 2-1/2"	50°
14'	1/4"	133768A1	2-1/4" to 2-1/2"	50°
16'	1/4"	133769A1	2-1/4" to 2-1/2"	50°
18'	1/4"	133770A1	2-1/4" to 2-1/2"	50°

Current Case IH models and most all makes applications

Size	Thickness	Part No.	Hole Spacing	Stem Angle
12'	5/16"	248523A1	2-1/4" to 2-1/2"	50°
14'	5/16"	248524A1	2-1/4" to 2-1/2"	50°
16'	5/16"	248525A1	2-1/4" to 2-1/2"	50°
18'	5/16"	248526A1	2-1/4" to 2-1/2"	50°

MAXXI-GRIP™ SWEEP

Heavy-Duty Cast Adapter

- Heavy-duty casting for strength, durability and better tolerance control
- Neoprene gripper strips mounted on the adapter sides to hold sweep firmly in place
- Easy to install with hex head capscrews and lock nuts
- For shanks with 1-3/4" bolt hole center

Sweep

- Wing width is 20% wider than the field proven Maxi-Width™ sweep... more wear life
- Up to 20% heavier than our current sweep. Tougher and more wear life.

Made from 6.5mm steel... 2.5% heavier than industry standard 1/4" steel for additional wear life.

Narrow stem to provide improved soil flow and better residue management.

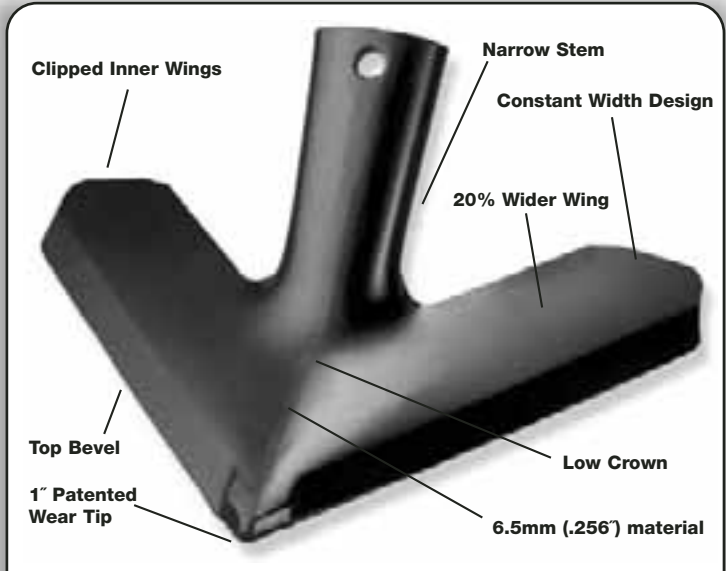
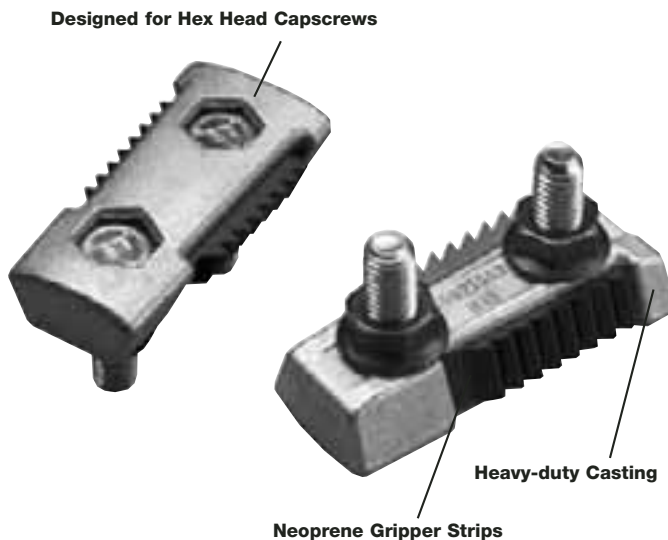
Low crown design for reduced draft and improved residue management.

Full 1" patented wear tip and top plating for better penetration and reduced draft load.

Constant width wing design to help maintain original cutting width during life of the sweep.

Uniform heat-treating for improved toughness and longer wear.

Sizes available 8" • 9" • 10.5" for Case IH and DMI field cultivators and most other brands.



SIMPLE/EASY TO CHANGE CULTIVATOR

TWO-PART SYSTEM DESIGNED TO REDUCE REPLACEMENT TIME AND SAVE TIME AND MONEY

SWEEP & ADAPTER SELECTION

Size	Part Number
8" x 6.5mm	380434A1
9" x 6.5mm	380435A1
10.5" x 6.5mm	380436A1
Adapter with gripper strips less hardware	400309A1

GRIPPER KIT INCLUDES 10 GRIPPER STRIPS

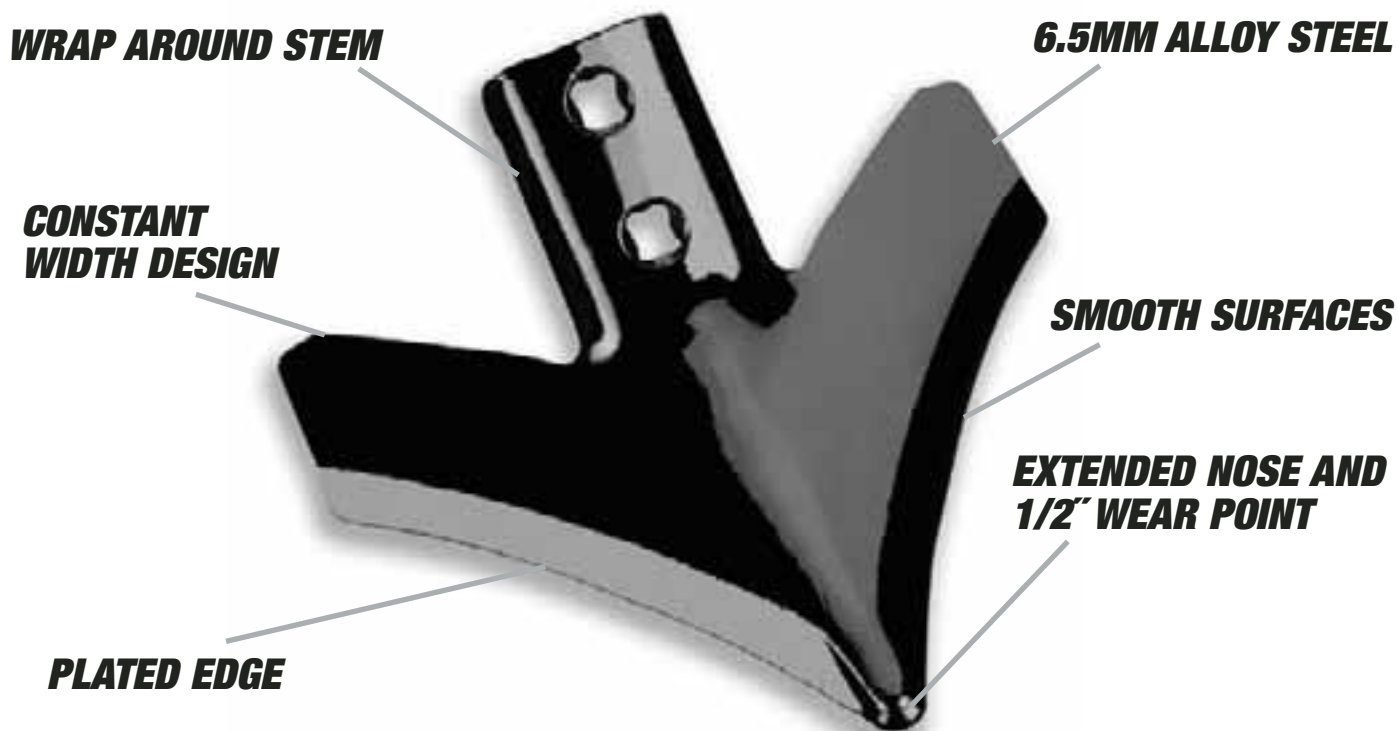
Part Number 403375A1

SWEEP ASSEMBLIES WITH ADAPTER INSTALLED AND MOUNTING HARDWARE

Size	Part Number
8" x 6.5mm	403376A1
9" x 6.5mm	403377A1
10.5" x 6.5mm	403378A1

SWEEPS

MAXXI-POINT™ SWEEP



Maxxi-Point

- New heavy-duty sweep
- Manufactured from 6.5mm (.256") high strength alloy steel for increased toughness and longer wear life. Most competitors use 1/4" (.250") steel which is 2.5% thinner.
- Heavy-duty extended length nose with a 1/2" wide wear point for improved penetration
- Rounded inner wings for improved soil flow and reduced the potential for tire damage
- With constant width wing design the Maxxi-Point sweep will retain it's original cutting width during the wear life of the sweep
- Higher hardness than conventional carbon steel sweeps promotes better scouring in wet conditions
- Plated cutting edges for improved penetration and reduced draft load
- Designed for DMI cultivators and most other brands of field cultivators
- 48° stem angle
- 1-3/4" centers for 7/16" bolts

Product Selection - Maxxi-Point Sweeps

<u>PART NUMBER</u>	<u>SIZE</u>
372560A1	7.3" x 6.5mm (.256")
372561A1	9.3" x 6.5mm (.256")
372562A1	11.3" x 6.5mm (.256")

MAXXI-POINT PLUS™ SWEEP

The Maxxi-Point Plus™ Sweep features:

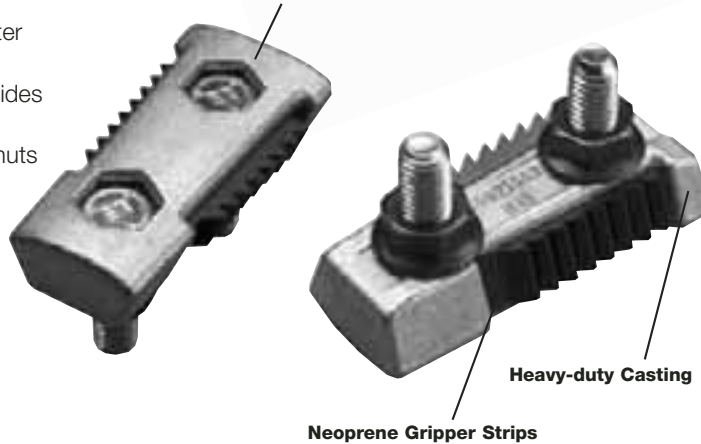
- New heavy-duty sweep and adapter
- Two-part system designed to reduce replacement time
- 6.5mm (.256") high-strength alloy steel for increased toughness and longer wear life
- Heavy-duty extended-length nose with a 1/2" wide wear point for improved penetration
- Rounded inner wings for improved soil flow and less potential for tire damage
- Beveled edges for improved penetration and reduced draft load
- Constant width wing design retains original cutting width during the wear life of the sweep
- Higher hardness than conventional carbon steel sweeps for better scouring in wet conditions
- The heavy-duty adapter with gripper strips features heavy-duty casting with neoprene gripper strips to hold sweep firmly in place.



Heavy-Duty Cast Adapter

- Heavy-duty casting for strength, durability and better tolerance control
- Neoprene gripper strips mounted on the adapter sides to hold sweep firmly in place
- Easy to install with hex head capscrews and lock nuts
- For shanks with 1-3/4" bolt hole center

Designed for Hex Head Capscrews



Product Selection - Maxxi-Point Plus Sweeps

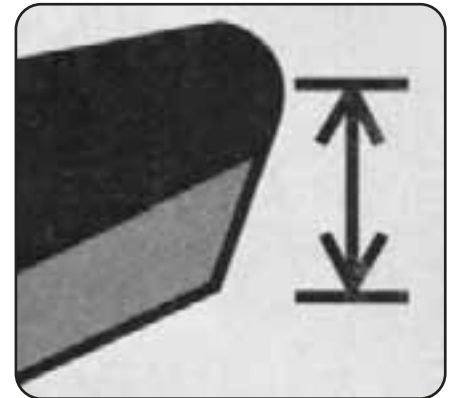
<u>PART NUMBER</u>	<u>DESCRIPTION</u>
87460413	7.3" Sweep
87460414	9.3" Sweep
400309A1	Adapter with gripper strips, less hardware
403375A1	Gripper Strip Kit (includes 10 gripper strips)

MAXXI-WIDTH™ SWEEP

Field Cultivator Sweep

Revolutionary Case IH Maxxi-Width sweep penetrates faster... and wears longer!

- Constant width design helps maintain original cutting width during the life of the sweep—gives you consistent overlap
- “Double strength” wraparound stem withstands loads over 2500 lbs.
- Heavy-duty, 1” reinforced patented wear tip produces better penetration... and protection
- Earth Metal alloy steel for long wear and improved toughness
- Uniform heat treatment process provides longer wear
- Lower angle pitch means less tip wear, less draft and more residue—perfect for today’s conservation tilling
- 47° stem angle
- 1-3/4” centers—7/16” bolt holes



▲ **Constant width design won’t change until this much material wears away.**



▲ **The Case IH Maxxi-Width sweep keeps its sharp point and penetrating ability long after others have quit.**

Size	Thickness	Part No.
4.5 FULL	1/4"	1547095C2
6.0 FULL	1/4"	1547096C2
7.5 FULL	1/4"	1547097C2
9.0 FULL	1/4"	1547098C2
10.5 FULL	1/4"	1547099C2
12.0 FULL	1/4"	1547100C2
7.5 LWC	1/4"	1547101C2
7.5 RWC	1/4"	1547102C2
9.0 LWC	1/4"	1547103C2
9.0 RWC	1/4"	1547104C2



▲ **Unlike the Maxxi-Width, this sweep rounds off, so it drags, reducing effectiveness and slowing you down.**

SWEEP SELECTION

Field Cultivators

Part Number	Size	Maxxi-Width Thickness	Stem Angle	Bolt Hole Spacing	Bolt Hole Size
1547095C2	4.5" Full	6.5mm	47°	1-3/4"	7/16"
1547096C2	6.0" Full	6.5mm	47°	1-3/4"	7/16"
1547097C2	7.5" Full	6.5mm	47°	1-3/4"	7/16"
1547098C2	9.0" Full	6.5mm	47°	1-3/4"	7/16"
1547099C2	10.5" Full	6.5mm	47°	1-3/4"	7/16"
1547100C2	12.5" Full	6.5mm	47°	1-3/4"	7/16"
1547101C2	7.5" LWC	6.5mm	47°	1-3/4"	7/16"
1547102C2	7.5" RWC	6.5mm	47°	1-3/4"	7/16"
1547103C2	9.0" LWC	6.5mm	47°	1-3/4"	7/16"
1547104C2	9.0" RWC	6.5mm	47°	1-3/4"	7/16"



Maxxi-Width sweep

Maxxi-Grip Sweep and Adapter

Part Number	Size	Thickness	Stem Angle	Bolt Hole Spacing	Bolt Hole Size
380434A1	8.0" Full	6.5mm	47°	See Adapter	
380435A1	9.0" Full	6.5mm	47°	See Adapter	
380436A1	10.5" Full	6.5mm	47°	See Adapter	
400309A1 Adapter		6.5mm	47°	1-3/4"	7/16"



Maxxi-Grip sweep and adapter

Maxxi-Grip Sweep Kit Sweep w/Adapter and Hardware

Part Number	Size	Thickness	Stem Angle	Bolt Hole Spacing	Bolt Hole Size
403376A1	8.0" Full	6.5mm	47°	1-3/4"	7/16"
403377A1	9.0" Full	6.5mm	47°	1-3/4"	7/16"
403378A1	10.5" Full	6.5mm	47°	1-3/4"	7/16"



Maxxi-Point sweep

Maxxi-Point Sweep

Part Number	Size	Thickness	Stem Angle	Bolt Hole Spacing	Bolt Hole Size
372560A1	7.3"	6.5mm (.256')	48°	1-3/4"	7/16"
372561A1	9.3"	6.5mm (.256')	48°	1-3/4"	7/16"
372562A1	11.3"	6.5mm (.256')	48°	1-3/4"	7/16"



Maxxi-Point Plus sweep and adapter

Maxxi-Point Plus Sweep

Part Number	Size	Thickness	Stem Angle	Bolt Hole Spacing	Bolt Hole Size
87460413	7.3"	6.5mm (.256')	48°	See Adapter	
87460414	9.3"	6.5mm (.256')	48°	See Adapter	
400309A1 Adapter	-	-	48°	1-3/4"	7/16"

APPLICATION CHART - SWEEPS

Field Cultivator Application Chart

Make/Model	Hole Size	Hole Centers	Stem Angle
Anderson	3/8"	1-3/4" CC	47°
Baker	7/16"	1-3/4" CC	47°
Bourgault	7/16"	1-3/4" CC	47°
Brady (prior to '70-'71)	3/8"	1-3/4" CC	40°
Brady (after '70-'71)	7/16"	1-3/4" CC	40°
Bush Hog	3/8"	1-3/4" CC	47°
Caulkins	3/8"	1-3/4" CC	47°
Case, FC, FCM, FCSW	3/8"	1-3/4" CC	47°
Case IH and IH	7/16"	1-3/4" CC	47°
C.C.I.L.	3/8"	1-3/4" CC	47°
Cockshutt 285, 485	3/8"	1-3/4" CC	47°
Crustbuster	7/16"	1-3/4" CC	47°
Deere 1000 Series	3/8"	1-5/8" CC	40°
Deere CCA, CC10, CC20	3/8"	1-3/4" CC	47°
DMI	7/16"	1-3/4" CC	47°
Flexi-Coil 200, 400	7/16"	1-3/4" CC	47°
Ford 208	3/8"	1-3/4" CC	47°
Frontier	7/16"	1-3/4" CC	47°
Glencoe, FC, MFC, FCSW	3/8"	1-3/4" CC	47°
Glencoe (old) 1250	3/8"	1-3/4" CC	40°
Hesston	7/16"	1-3/4" CC	47°
Hiniker	7/16"	1-3/4" CC	47°
Kent	7/16"	1-3/4" CC	47°
Kewanee	3/8"	1-3/4" CC	47°
Krause 600/900	3/8"	1-3/4" CC	47°
Landoll	7/16"	1-3/4" CC	47°
Massey Ferguson 160	3/8"	1-3/4" CC	47°
Minneapolis Moline FT200	3/8"	1-3/4" CC	47°
Morris L240, L320	3/8"	1-3/4" CC	47°
Oliver 245, 345	3/8"	1-3/4" CC	41°
Oliver 285, 385, 485	3/8"	1-3/4" CC	47°
Rhino/Athens	7/16"	1-3/4" CC	47°
Sunflower	7/16"	1-3/4" CC	47°
Taylor	3/8"	1-3/4" CC	47°
Wil Rich	7/16"	1-3/4" CC	47°
Win Power 1500	7/16"	1-3/4" CC	47°
White Farm Equipment	3/8"	1-3/4" CC	47°

Case IH heavy-duty Maxxi-Width™ Sweeps have 1-3/4" hole centers. Each series has a 7/16" bolt hole to accommodate cultivators with 7/16" holes. To accommodate field cultivators with 3/8" bolt holes, use adapter bolt, part number 810220C1 (7/16" head and 3/8" shaft).

Chisel Plow (Wheatland) Sweeps Application Chart

Make/Model	Hole Size	Hole Centers	Stem Angle
Allis Chalmers 22"-32"	7/16"	2-1/4"	43°
Anderson	7/16"	2-1/4"	50°
Brady	7/16"	2-1/4"	50°
Case (Some)	1/2"	2-1/4"	47°
Case (Later Models)	7/16"	2-1/4"	50°
Case IH and IH	1/2"	2-1/2"	43°
C.C.I.L. 1" Thick Shank	7/16"	2-1/4"	50°
C.C.I.L. 1-1/4" Thick Shank	1/2"	2-1/2"	43°
Crown	1/2"	2-1/4"	50°
DMI	1/2"	2-1/4"	50°
Degelman	7/16"	2-1/4"	50°
Edwards	7/16"	2-1/4"	50°
Flexi-Coil (2" x 1" Shank)	1/2"	2-1/4"	50°
Ford	1/2"	2-1/4"	47°
Ford 131	7/16"	2-1/4"	50°
Friggstad	7/16"	2-1/4"	50°
Glencoe	1/2"	2-1/4"	47°
Glencoe High Clearance	7/16"	2-1/4"	50°
Graham High Clearance	7/16"	2-1/4"	50°
Hiniker	1/2"	2-1/4"	50°
Ingham	7/16"	2-1/4"	43°
Jeoffery - 16"	7/16"	2-1/4"	50°
Jeoffery - 22"-32"	7/16"	2-1/4"	43°
John Deere	7/16"	2-1/4"	50°
John Deere (Some)	1/2"	2-1/4"	47°
Kewanee	7/16"	2-1/4"	50°
Kilbery	7/16"	2-1/4"	50°
Krause (Low Clearance)	1/2"	2-1/4"	47°
Krause (High Clearance)	7/16"	2-1/4"	50°
Leon	1/2"	2-1/4"	50°
Massey Harris	7/16"	2-1/4"	43°
Massey "Trash King"	7/16"	2-1/4"	50°
Mel-Cam	7/16"	2-1/4"	50°
Mel-Cam Cultivweeder	7/16"	2-1/4"	43°
Case IH - 5800 C.P.	1/2"	2-1/2"	50°
Melroe (Clark)	1/2"	2-1/4"	47°
Minneapolis Moline T600, 1500, 1800	7/16"	2-1/4"	50°
Morris 220	7/16"	2-1/4"	43°
Morris MP 912 and Magnum	1/2"	2-1/4"	50°
Noble XR-20	7/16"	2-1/4"	50°
Oliver 247, 248, 347 U.S.	7/16"	2-1/4"	43°
Oliver 500, 3500	7/16"	2-1/4"	43°
Robin-Nodwell	7/16"	2-1/4"	50°
Rogin	7/16"	2-1/4"	50°
Roll-O-Cone	1/2"	2-1/4"	50°
Roll-O-Flex	7/16"	2-1/4"	50°
Schulte 300	1/2"	2-1/4"	50°
Sunflower	7/16"	2-1/4"	50°
Versatile	7/16"	2-1/4"	50°
Victory	7/16"	2-1/2"	50°
Wil Rich	1/2"	2-1/2"	43°
Wil Rich (Early)	7/16"	2-1/4"	43°

Case IH Chisel Plow sweeps have 2-1/4" - 2-1/2" combination hole centers with 1/2" bolt holes. To accommodate chisel plows with 7/16" bolt holes, use adapter bolt, part number 594243R1 (bolt has 1/2" head and 7/16" shank).

POINTS AND SHOVELS

CULTIVATOR SHOVELS, POINTS, AND LD CONCORD SWEEPS

Case IH offers a complete line of shovels and points. These shovels and points are manufactured of durable high carbon steel and uniformly heat treated for superior wear and toughness. They are available in single and double points, heavy-duty, spikes, chisels, twisted shovels and heavy-duty double pointed shovels.



3" Twisted Shovel

Length (inches)	Size Width (inches)	Thickness (inches)	Number of Holes	Hole Spacing (inches)	Bolts Used	Style	Part Number
21	4-1/2	5/16	2	2-1/4 - 2-1/2	1/2 No. 3 Plow (2)	Double Point Shovel	602 595 R3
21	4-1/2	5/16	2	2-1/4 - 2-1/2	1/2 No. 3 Plow (2)	Double Point Shovel	602 595 R3N
21-1/2	3	3/8	5	2-1/4 - 2-1/2	1/2 No. 3 Plow (2)	L.H. Twisted	594 545 R1
21-1/2	3	3/8	5	2-1/4 - 2-1/2	1/2 No. 3 Plow (2)	R.H. Twisted	594 546 R1
26-1/2	3-1/2	1/2	5	2-1/4 - 2-1/2	1/2 No. 3 Plow (2)	L.H. Twisted	812 384 C3
26-1/2	3-1/2	1/2	5	2-1/4 - 2-1/2	1/2 No. 3 Plow (2)	R.H. Twisted	812 385 C3
26-1/2	4	1/2	5	2-1/4 - 2-1/2	1/2 No. 3 Plow (2)	L.H. Twisted	1995505C1
26-1/2	4	1/2	5	2-1/4 - 2-1/2	1/2 No. 3 Plow (2)	R.H. Twisted	1995506C1
22	3	1/2	5	2-1/4 - 2-1/2	1/2 No. 3 Plow (2)	L.H. Twisted	B95242
22	3	1/2	5	2-1/4 - 2-1/2	1/2 No. 3 Plow (2)	R.H. Twisted	B95243
9-1/16	2	5/16	2	1-3/4	7/16 No. 3 Plow (2)	Pencil	594227R1
10-1/8	1-3/4	1/4	2	1-3/4	7/16 No. 3 Plow (2)	Chisel	596 623 R1
11-3/4	2	3/8	2	1-3/4	7/16 No. 3 Plow (2)	Flared Ends	86990834
11-1/2	2	3/8	2	1-3/4	7/16 No. 3 Plow (2)	Chisel	811 799 C3
14	2	5/16	2	1-3/4	7/16 No. 3 Plow (2)	Chisel	547188R2
12	2	5/16	2	1-3/4	7/16 No. 3 Plow (2)	Pencil	811 889 C1
16-7/8	2	5/8	2	2-1/2	1/2 No. 3 Plow (2)	Chisel	601 986 R1
16-7/8	2	5/8	2	2-1/2	1/2 No. 3 Plow (2)	Spike	602 594 R1
7-7/8	1-3/8	3/16	1	—	3/8 Special Sweep (2)	Chisel	811 191 C1
19-1/2	2	1	2	2-1/2	1/2 HHC GR8	Chisel	193054A1
19-1/2	2	7/8	2	2-1/2	1/2 x 2-1/2 HHC GR8	Chisel	B93368
19-1/2	2	7/8	2	2-1/2	1/2 x 2-1/2 HHC GR8	Chisel	B93369*
19-1/2	2	7/8	2	2-1/2	1/2 x 2-1/2 HHC GR8	Chisel	B93370**

*Use on high clearance shanks only.

**Recommended for IH, Case IH and Will-Rich Chisel Plows

LD Sweeps for Concord Air-Till Seeders*

Size	Part No.	Plain/Hard Faced
6" X 1/4"	1032199N	Plain
11" X 1/4"	1027915N	Plain
13" X 1/4"	1033379N	Plain
6" X 1/4"	87298811	Hard Faced
11" X 1/4"	87298812	Hard Faced
13" X 1/4"	87298813	Hard Faced

*Imported product

SEAL AND BEARING KIT

Seal and Bearing Kit for John Deere Drills

- New seal technology for the opener disk hubs on John Deere 750 and 1850 drills
- Seal design requires less greasing—up to 250 hours. Field tested for 500 hours without greasing
- Field proven technology on the Case IH SDX opener
- Tough enough to seal the hubs on the Hummer
- Seals and bearings are manufactured in America for superior performance and consistent quality



Case IH SDX 30 with new seal technology

Case IH Seal/bearing in John Deere drill after 3000 acres



John Deere no-till drill



Seal/Bearing and Disk Combo Kit

- Seal/Bearing Kit designed to offer superior performance in different seeding and soil conditions
- 460mm (18.1") x 5mm (.197") Opener disk
- Earth Metal for superior wear resistance and durability
- Machined edges for improved penetration and durability

CASE IH OFFERS A BETTER SOLUTION TO THE SEAL AND BEARING PROBLEMS ON JOHN DEERE 750 AND 1850 DRILLS AND ALL AT COMPETITIVE PRICES.

Seal and bearing kit Part no. 419594A1

Seal/bearing and disk combo kit Part no. B96148



BEARING COMPARISON

CASE IH HARROW BEARINGS

Feature	Advantage
±3° Dynamic alignment capability	Absorbs tolerance shock within components to ensure bearing is not subjected to undue stress.
BCA innovated one piece molded integral bearing seals.	Provide protection of all internal surfaces from moisture and dirt contamination.
Heavy gauge zinc plated and heat treated stampings.	Provide added strength and durability under external loads encountered in disc harrow applications and resists rust and corrosion.
Sawtooth grip (STG) seal grooves for maximum seal retention.	Keeps seals from coming loose which would lead to premature failure.
Stamping halves riveted (8 rivets) together around bearing & O-ring provide one piece integral assembly.	This feature eliminates the need for handling many parts.
Close clearance of stamping bore to inner ring O.D.	Provides extra protection from wrappage around bearing.
Flexible one piece molded nylon retainer	Allows this bearing to tolerate extreme misalignment without failure, due to its flexibility vs. a steel retainer.
Circumferential restriction of outer ring which is wider at 1.25" than standard.	Keeps it from moving and accelerating stamping wear and resulting in looseness; also provides full support.
Positive relubrication directly below zerk fitting.	Allows for direct entry of lubricant in the bearing and the O-ring ensures no leakage will occur.
Field tested with over 25 years of service as the only approved manufacturer for Case IH applications.	You know what you are getting with Case IH disc harrow bearings backed by years of services.

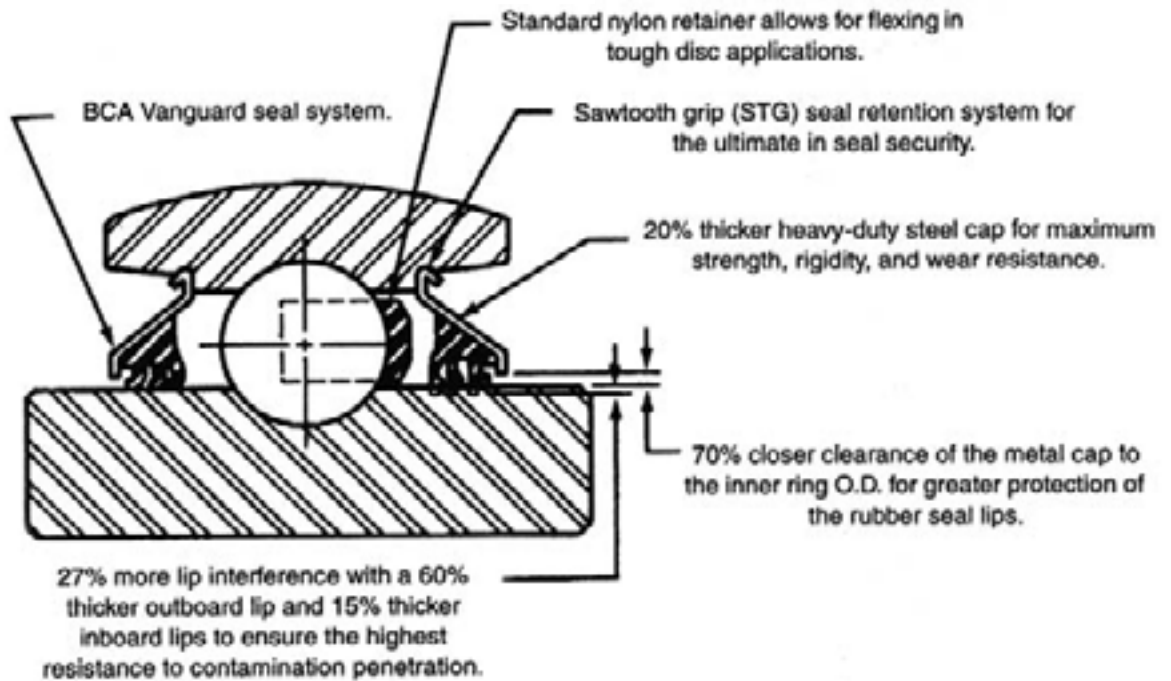
Summary of Features and Benefits

- One piece molded, high-quality elastomeric Vanguard triple lip seals
 - Durable sealing lips last longer in tough field applications
 - The BCA® lip material is more wear resistant than typical imports
 - Heavy gauge steel seal cap
 - Provides seal strength, rigidity, and wear resistance
 - The BCA seal is 20% thicker steel than typical imports
 - STG (Saw tooth grip) knurled seal groove
 - The STG seal retention system is the most positive seal retention system. Chances of seals “popping out” or turning in the bearing outer ring are significantly reduced.
 - Competitive products are potentially less effective seal retention methods
 - One piece molded nylon retainer (ball separator)
 - Allows for flexing in tough disc applications
 - Prolongs bearing life through its natural lubricity
 - Available in pre-lubricated or lubricated-for-life. BCA bearings use a proper fill of a high quality waterproof bearing grease to prolong bearing life.
 - The Case IH disc harrow line is the most complete aftermarket offering
 - Years of field experience with all majors and many short-line manufacturers has proven BCA to be the primary supplier
- Most of the above features are also available on the complete selection of bearings on most other brands of harrows.

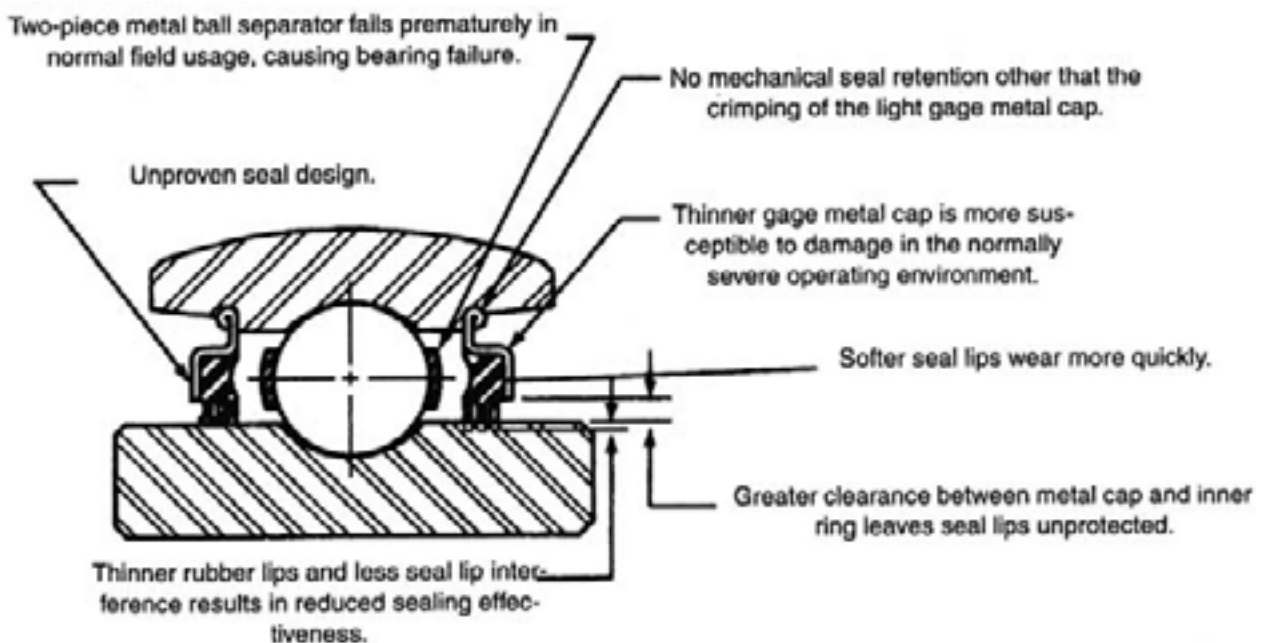
BEARING COMPARISON

NO OTHER BEARING COMPARES TO THE QUALITY OF BCA® AGRICULTURAL BEARINGS.

BCA Disc Bearings Design Characteristics



Typical Competitive Design Characteristics



HARROW BEARINGS

POPULAR DISC HARROW BEARINGS BY MANUFACTURER

Manufacturer	Part No.	Mfg. Part No.	Diameter	Applications
Amco	DS208TT5	10272	1-1/8 Sq.	WTD5, WTD6, LFD2, LFD82, Disc
	DS208TT8	10333	1-1/8 Sq.	WTD10, WTD3, WTD4 Disc
	DC211TT3	11071	1-1/2 Sq.	516, 517, 518, F15 Disc Harrow
	DS208TT6	11079	1 Sq.	LFB2, LFB2, LTB2
	DC211TTR4	11503	1-1/2 Sq.	
	DS210TTR2	G10771	1-15/16 Rd.	Disc Harrow
Brillion	DC211TTR3	G11071	1-1/2 Sq.	WOF3, WOF5, WOF6, WOJ8, WOJ4, Offset Disc
	DS208TT5	2J516	1-1/8 Sq.	
	DS211TT3	SJ131	1-1/2 Sq.	
Bush Hog	DC208TTR8	SC16	1-1/8 Sq.	
	DC208TTR17	14-36-183	1-1/8 Sq.	1424, 1426, 1432, 1436, 1438, 1439, 1444 Gang Bolt
	DS208TT12	14-24-26	1-1/8 Sq.	Disc Harrow
	DC208TTR17	14-24-63	1-1/8 Sq.	1422, 1423 Disc W/1" Gang Bolt
	DS209TT2	14-4-5	1.7717 Rd.	1432, 1436 Disc
	DS210TT2	14-5-109	1-15/16 Rd.	145
Deutz-Allis	DC211TTR3	14-6-430	1-1/2 Sq.	145, 146, 24, 1435, 1437, W/1-1/2" Gang Bolt
	DC211TT5	406677	1-1/2 Sq.	3100, K, KT, WKT, Disc
	DS209TT2	430478	1.7717 Rd.	Disc Harrow
	DS211TT2	430480	2-3/16 Rd.	
	DS211TTR3	70583939	1-1/2 Sq.	2600 Disc
Kewanee	DC211TT3	B2055	1-1/2 Sq.	Disc Harrow
	DS208TTR8	B2151	1-1/8 Sq.	500, 600 Disc
	DS210TTR4	B2246	1-1/8 Sq.	1000, 1025, 1100, 1200 Disc
	DS208TT5	B7980/G0052604	1-1/8 Sq.	206, 400 Disc
	DC208TT5	B8018	1-1/8 Sq.	
Krause	DC208TTR17	G1436183	1-1/8 Sq.	
	CDS209TTR6P	1927-11-0	1.530 Rd.	1900-1926, 2135-2166, 2200, 4900 Series Rock Flex
	CDS211TTR23	2410-11-0	1-3/4 Rd.	2400 Series Rock Flex Gang
	DS208TT7	40-102/P-212-10-2	1-3/16 Rd.	Disc Harrow
	DS210TT5	40-103/P350-10-1	1-3/4 Rd.	Disc Harrow
	DS209TT4	40-104/P412-10-2	1.535 Rd.	Disc Harrow
	DS209TTR4	40-105/612-10-2	1.535 Rd.	Disc Harrow
	DS210TTR5R	40-106/750-26-2	1.785 Rd.	Disc Harrow
	FD209RB	40-109	1-1/2 Rd.	Disc Harrow
	FD209RK	40-128	1-1/4 Sq.	Disc Harrow
Massey Ferguson	DS209TTR4	612-10-2	1.535 Rd.	Disc Harrow
	DC211TT3	1905678M1	1-1/2 Sq.	Disc Harrow
	DS208TT12	447899M1	1-1/8 Sq.	34MTD & 33 Rev. Disc
	DS211TTR3	449432M1	1-1/2 Sq.	30, 40, 520, 620, 720 Disc Harrow
	DS208TT2A	831110M1/832634M2	1-1/2 Rd.	36, 52, 72 Disc Harrow
	DS211TT2	831960M1	2-3/16 Rd.	27 Flex Disc
	DS210TT2	831960M3	1-15/16 Rd.	Plow
	DS211TT3	832640M1	1-1/2 Sq.	38, 41, 42 Disc Harrow
	DS208TT6	834367M1/1025130M1	1 Sq.	21 Disc Harrow
	DS209TT2	835050M1	1.7717 Rd.	28, 33, 34, 39, 68 Disc Harrow
Sunflower	DS209TT3	842303M1	1-1/4 Sq.	520, 820 Disc Harrow
	DS208TT5	843638M1/1905688M1	1-1/8 Sq.	
	DS208TT7	1186	1-3/16 Rd.	
	DS209TTR4	1829	1.535 Rd.	
	DS211TTR13	2042	1-3/4 Rd.	Disc Harrow
	DS208TT5	24A5301	1-1/8 Sq.	
	DC211TTR21	3091	1-3/4 Rd.	Gimbal Mount Unit Insert
	FD209RK	FK311007	1-1/4 Sq.	Disk Harrow
	FD209RM	YYB3471	1-1/8 Sq.	Disk Harrow
	DS208TT12	204147	1-1/8 Sq.	Disc Harrow, Light Duty, 12-1/2, 19, 21
Taylor	DS211TT8	204679	1-1/2 Sq.	Disc Harrow, Extra Heavy-Duty
	DS211TTR3	207022	1-1/2 Sq.	Disc Harrow, Heavy-Duty
	DS208TT12	207359	1-1/8 Sq.	20000, Series Disc
	DC208TT5	606973	1-1/8 Sq.	
	DC208TT5	481202	1-1/8 Sq.	Ridger & Does More
W & A Mfg.	DC211TTR3	481213	1-1/2 Sq.	
	DC208TTR17	481217	1-1/8 Sq.	
	DS208TTR8	W236481B	1-1/8 Sq.	
White	FD209RB	W238813	1-1/2 Rd.	Disc Harrow
	DS211TTR2	24022	2-3/16 Rd.	Disc Harrow
Wil Rich	DC208TTR17	24677	1-1/8 Sq.	
	DS209TT4	34002	1.535 Rd.	
Case IH	ST491A	ST491A	1-1/2 Rd.	Most Case IH, IH Tandem Harrows - Heavy-Duty Bearing
	FD209RA	FD209RA	1-1/2 Rd.	Most Case IH, IH Tandem Harrows - Regular Duty Bearing
	ST740B	ST740B	1-3/4 Rd.	Most Case IH Offset Harrows Excluding Case IH 780 Harrows
	B95450	B95450	1-1/2 Rd.	3950 Cushion Gang - Harrow Kit
	B95451	B95451	1-1/2 Rd.	3950 Cushion Gang - Std. Kit

HARROW BEARINGS

POPULAR DISC HARROW BEARINGS BY MANUFACTURER

Manufacturer	Part No.	Mfg. Part No.	Bore	Reference	Applications
Amco	DS208TT5	10272	1-1/8 Sq.	W208PPB5	WTD5, WTD6, LFD2, LFDB2 Disc
	DS208TT8	10333	1-1/8 Sq.	W208PPB8	WTD10, WTD3, WTD4 Disc
	DC210TT2	11052	1-15/16 Rd.	W210PP2	Disc Harrow
	DC211TT8	11071	1-1/2 Sq.	W211PP3	516, 517, 518, F15 Disc Harrow
	DC210TT4	11078	1-1/8 Sq.	W210PP4	Disc Harrow
	DS208TT6	11079	1 Sq.	W208PP85	LFBD2, LFB2, LTB2
	DC211TTR4	11503	1-1/2 Sq.	GW211PP4	
	DC214TTR3	11504	2.688 Rd.	GW214PP3	
	DC214TTR2	G10218	2-3/4 Rd.	GW214PP2	WTFS, WOJ10, WOF10 Disc
	DC210TTR3	G10271	1-13/32 Rd.	GW210PP3	WOE, WOE3, WOF3,8,9, WOE5, WOL5, WTE Disc
	DS208TTR5	G10272	1-1/8 Sq.	GW208PP85	Disc Harrow
	DS208TTR8	G10333	1-1/8 Sq.	GW208PP88	13-1/2 Pulverizing Disc
	DC210TTR4	G10448	1-1/8 Sq.	GW210PP4	Disc Harrow
	DS210TTR2	G10771	1-15/16 Rd.	GW210PPB2	Disc Harrow
DS211TTR3	G10806	1-1/2 Sq.	GW211PPB3	Disc Harrow	
DC211TTR3	G11071	1-1/2 Sq.	GW211PP3	WOF3, WOF5, WOF6, WOJ3, WOJ4, Offset Disc	
DC210TTR4	G11078	1-1/8 Sq.	GW210PP4	RB1,2,3,4,5,6, WOD2, 341, 342, 343, 344, Disc Harrow	
Arts-way	DS216TTR2		2-1/4 Sq.	GW216PPB3	Disc Plow Cast Unit Insert
	DC208TT5		1-1/8 Sq.	W208PP5	Ridger
	DS208TT5		1-1/8 Sq.	W208PPB5	Ridger
Athens	DS2D8TTR8		1-1/8 Sq.	GW208PPB5	
	DS208TT6		1 Sq.	W208PPB6	
	DC211TT3		1-1/2 Sq.	W211PP3	Levee Plow, 1st Series
	DC211TTR2		2-3/16 Rd.	GW211PP2	Disc Harrow
	DC211TTR3		1-1/2 Sq.	GW211PP3	Disc Harrow
	DS211TT6		1-1/2 Sq.	W211PPB6	Levee Plow, 2nd Series
Bingham	DS211TTR3		1-1/2 Sq.	GW211PPB3	Disc Harrow, New Ground Disc
	DC208TT5	GA16	1-1/8 Sq.	W208PP5	Bedder
Blanton	DS208TT12	1023	1-1/8 Sq.	W208PPB12	Square Axle Disc
	DC208TT5	7129	1-1/8 Sq.	W208PP5	Disc Harrow
Brillion	DC208TT8	BC1	1-1/8 Sq.	W208PP8	
	DS208TT11	L512B	7/8 Sq.	W208PPB11	Square Axle Disc
	DS208TT5	2J516	1-1/8 Sq.	W208PPB5	
	DS211TT3	3J131	1-1/2 Sq.	W211PPB3	
Burch	DC208TT8	9C16	1-1/8 Sq.	W208PP8	
	DS210TT2		1-15/16 Rd.	W210PPB2	EZ, EZ-A, EZ-B, 145 Disc, Kwik Set, Hipper/Ridger
	DS208TT13	201A56	7/8 Sq.	W208PPB13	Harrow
	DS211TT3	203214	1-1/2 Sq.	W211PPB3	Offset Disc
	DS211TT6	204-82	1-1/2 Sq.	W211PPB6	Super Tandem 1973-up
	DS209TTR2	208-12	1-3/4 Sq.	GW109PPB2	
	DS211TTR3	78672A	1-1/2 Sq.	GW211PPB3	Offset Disc, Super Tandem
	DC208TT5	9554A	1-1/8 Sq.	W208PP5	Ridger, 8 Row
	DS208TT5	J9373	1-1/8 Sq.	W208PPB5	Ridger, E-Z Set, E-2GO, Early
	DS208TT2A	1100082475	1-1/2 Rd.	W208PPB2	
Bush Hog	DS208TT12A	11142416	1-1/8 Sq.	W208PPB19	Disc Harrow
	DS211TT2	14-6-168	2-3/16 Rd.	W211PPB2	Disc Harrow
	DC211TTR2	14-6-244	2-3/16 Rd.	GW211PP2	
	DC208TTR17	14-36-183	1-1/8 Sq.	GW208PP17	1424, 1426, 1432, 1436, 1438, 1439, 1444, W/1-1/8" Gang Bolt
	DS208TT6	14-22-63	1 Sq.	W208PPB6	
	DS208TT12	14-24-26	1-1/8 Sq.	W208PPB12	Disc Harrow
	DC208TTR17	14-24-63	1-1/8 Sq.	GW208PP17	1422, 1423 Disc W/1" Gang Bolt
Caldwell	DS208TT2	14-4-5	1.7717 Rd.	W209PPB2	1432, 1436 Disc
	DS210TT2	14-5-109	1-15/16 Rd.	W210PPB2	145
	DC210TTR9	14-50-5	1.945 Rd.	GW210PP9	
	DC211TTR3	1114-6-430	1-1/2 Sq.	GW211PP3	145, 146, 246, 1435, 1437, W/1-1/2" Gang Bolt
	DC208TT5	16-11-176	1-1/8 Sq.	W208PP5	Bedder & Ridger
	DC208TT5	7950006	1-1/8 Sq.	W208PP5	
	DS208TT5		1-1/8 Sq.	W208PPB5	1-1/8 Axle Models
	DC214TTR3	270061503	2.688 Rd.	GW214PP3	
	DC208TT5	H747139	1-1/8 Sq.	W208PP5	
	DS211TT2	H747170	2.188 Rd.	W211PPB2	
Case	DC208TT10	H747303	1-1/2 Rd.	W208PP10	
	DC211TT2	H747394	2.188 Rd.	W211PP2	
	DS209TT2	H747410	1.7717 Rd.	W208PPB2	
	DC211TT3	H747444	1-1/2 Sq.	W211PP3	
	DC208	T12903 No Seals)	1-1/8 Sq.	W208K3	S & SA Disc
	DC208TT2	T14116	1 Sq.	W208K2-E9003	
	DS208TT6	T15820	1 Sq.	W208PPB6	Small Ridger
	DS208TT5	T16288	1-1/8 Sq.	W208PPB5	
	DC208TT	T16289 W/Seals	1-1/8 Sq.	W208KE-E9003	S & SA Disc
	DS208TT8	T25486	1-1/8 Sq.	W208PPB8	
	DS208TT12	T28503	1-1/8 Sq.	W208PPB12	Disc Harrow
	DS209TT6	T34178	1.535 Rd.	W209PPB6	B, BW, WB Series Disc
	DS211TTR3	T51610	1-1/2 Sq.	GW211PPB3	K23, K23A, G58 Disc (Specal O.D.)
	DC211TTR3	T51653	1-1/2 Sq.	GW211PP3	E30, G109, G110, G119, K29, K23A, Disc Harrow
DS210TTR2	T53781	1-15/16 Rd.	GW210PPB2		
DS210TTR5R	T54897	1.785 Rd.	GW210PPB5	K23B Disc Harrow	
DC211TTR4	T56688	1-1/2 Sq.	GW211PP4		
DS211TTR2	57559	2-3/16 Rd.	GW211PP2		

HARROW BEARINGS

POPULAR DISC HARROW BEARINGS BY MANUFACTURER

Manufacturer	Part No.	Mfg. Part No.	Bore	Reference	Applications
Crust Buster	DS211TTR8R		2.188 Rd.	GW211PPB8	
	DS208TTR5	A20175	1-1/8 Sq.	GW208PPB5	100, 110 Disc
	DS209TTR10	A20649	1-3/4 Rd.	GW209PPB11	210, 220, 230 Disc
	DC208TT8	AA14878	1-1/8 Sq.	W208PP8	23, 2FK, F871, F901, F902, F984, Bedders
	DC211TT2	AK32778	2.188 Rd.	W211PP2	
	DC210TT	AK33797	1-15/16 Rd.		80, 100, 225, 325, 414, 414A, 416, 1200 1400, 2200, 2400, 3000, 4000
Deere	DC208TT2	AK3892B	1 Sq.	W208K2-E9003	K, KBA, KBL, KBY, FW, RW, GR, GRL, Disc Harrow
	DC208TT	AK3997B w/Seals	1-1/8 Sq.	W208K2-E9003	AW, AWS, C, FW, FWA, KBA, KBL, KBY, RW, RWA Disc
	DS209TTR4	AN240220	1.535 Rd.	GW209PPB4	
	DS211TTR13	AN240221	1-3/4 Rd.	GW211PPB13	
	DS208TT2A	AW20540	1-1/2 Rd.	W208PPB2	
	DS211TTR9	B34215	2-3/16 Rd.	GW211PPB9	310, 315, 330, 331, 335, 340, 350, 355, 360 Disc
	DC208	JD8565	1-1/8 Sq.	W208K3	F925, F926H, F925AH, F850 Disc, 890 Series
	DC211TTR2	JD8656	2-3/16 Rd.	GW211PP2	
	DS209TT5	JD8654	1-1/4 Sq.	W209PPB5	8000 Drill, 4400 Combine
	DS209TT8A	JD8664	1-1/4 Sq.	W209PPB8	9000 Drill, 4400 Combine Narrow O.R. BRG.
	DC208TT5	JD9248	1-1/8 Sq.	W208PPB5	8500, F810H, F850H
	DC208TT5	JD9350	1-1/8 Sq.	W208PP5	F871, F901, F984, F981 F982 Bedder
	Deutz-Allis	DC211TT3		1-1/2 Sq.	W211PP3
DC211TT5		406677	1-1/2 Sq.	W211PP5	3100, K, KT, WKT Disc
DS209TT2		430478	1.7717 Sq.	W209PPB	Disc Harrow
DS211TT2		430480	2-3/16 Rd.	W211PPB2	
DS208TT7		430796	1-3/16 Rd.	W208PP7	
DS211TTR3		70583939	1-1/2 Sq.	GW211PPB3	2600 Disc
Domries	DC210TT2	K85	1-15/16 Rd.	W210PP2	1-1/8 Axle Series
	DC211TT3		1-1/2 Sq.	W211PP3	1-1/2 Axle Series
DMI	DS209TTR4	21842400	1.535 Rd.	GW209PPB4	
Ezee On	DS214TTR3		2.312 Rd.	GW214PPB3	Disc Harrow
	DC214TTR3	11504	2.688 Rd.	GW214PP3	
Farmhand	FD209RB	1A64318	1-1/2 Rd.	DHU1-1/2R209	Disc Harrow
	DS208TT5	1R41009	1-1/8 Sq.	W208PPB5	
	DS209TT2	310072	1.7717 Rd.	W209PPB2	Disc Harrow
	DS208TT4	340103	1.595 Rd.	W209PPB4	Disc Harrow
	DS211TT3	7377-1	1-1/2 Sq.	W211PPB3	
	DC211TTR4	EP5403	1-1/2 Sq.	GW211PP4	
	DS208TTR4	EP6576	1.595 Rd.	GW209PPB4	
	DS210TTR2	G10771	1-15/16 Rd.	GW210PPB2	Disc Harrow
	DC210TTR4	G11078	1-1/8 Sq.	GW210PP4	
FMC	DC208TT10	15148	1-1/2 Rd.	W208PP10	
	DS208TT2A	15617	1-1/2 Rd.	W208PPB2	Disc Harrow
	DS209TT5	126-068	1-1/4 Sq.	W209PPB5	Harvester
	DS209TT2	113903	1.7717 Rd.	W209PPB2	204, 210, 224, 230 Disc
Ford	DC210TT2	177849	1-15/16 Rd.	W210PP2	
	DS208TT14	201824	7/8 Sq.		Breaking Plow Coulter
	DS209TTR2	7200460	1-3/4 Rd.	GW209PPB2	230, 201, 202, E, J, L.Disc Harrows
	DS214TTRA	771138	2.6875 Rd.	GW214PPB6	
	DS211TT3	MULCB112SG	1-1/2 Sq.	W211PPB3	236 Cutting Disc
	DC211TT3	MULCBB112	1-1/2 Sq.	W211PP3	219, 223 Cutting Disc
	DS208TTR8	SBP238481B	1-1/8 Sq.	GW208PPB8	241, 242, 243, 245 Disc Harrows
	DC208TT5		1-1/8 Sq.	W208PP5	Ridgers
Forest City	DS211TTR8R	072056	2.188 Rd.	GW211PPB8	
Gehl	DC211TTR3		1-1/2 Sq.	GW211PP3	Disc Harrow
Greenline	DS208TT12		1-1/8 Sq.	W208PPB12	Disc Harrow
Hardee	DS208TT6	710152	1 Sq.	W208PPB6	Disc Harrow
	FD209RB	700613	1-1/2 Rd.	DHU1-1/2R209	Disc Harrow
Heston	DS209TTR4	06A51001	1.535 Rd.	GW209PPB4	
	DS208TT5	06A51001	1-1/8 Sq.	W208PP5	
Kelly	DC208TT5	06A51-001	1-1/8 Sq.	W208PP5	Coulter
	FD209RB	FC0481	1-1/2 Rd.	DHU1-1/2R209	Disc Harrow
Kent	DS216TTR2		2-1/4 Sq.	GW216PPB2	Disc Plow Cast Unit Insert

HARROW BEARINGS

POPULAR DISC HARROW BEARINGS BY MANUFACTURER

Manufacturer	Part No.	Mfg. Part No.	Bore	Reference	Applications
Kewanee	DC211TT3	B2055	1-1/2 Sq.	W211PP3	Disc Harrow
	DS208TTR8	B2151	1-1/8 Sq.	GW208PPB8	500, 600 Disc
	DS210TTR4	B2246	1-1/8 Sq.	GW210PPB4	1000, 1025, 1100, 1200 Disc
	FD210R	B2725	1-1/8 Sq.		1000 Series Disc 1978 & Up, 1100, 1176 w/HVD Fold
	FD211RM	B3587	1-1/2 Sq.	DHU1-3/4S211	Disc Harrow
	DC208TT10	B3625	1-1/2 Sq.	W208PP10	Disc Harrow
	DS209TTR2	B7778	1-3/4 Rd.	GW209PPB2	208, 218 Disc
	DS208TT5	B7980/G00526D4	1-1/8 Sq.	W208PPB6	206, 400 Disc
	DC208TT5	B8018	1-1/8 Sq.	W208PP5	
	DC211TTR2	G1046244	2-3/16 Rd.	GW211PP2	
	DC211TTR3	G1046430	1-1/2 Sq.	GW211PP3	
	DC208TTR17	G1436183	1-1/8 Sq.	GW208PP17	
	King Plow	DS208TT11	BB-2	7/8 Sq.	W208PPB11
DS208TT12		BB-2N	1-1/8 Sq.	W208PPB12	KGB, WGH, EZB, MFB, Disc Harrow
Krause	CDS209TTR	1927-11-0	1.530 Rd.	CDS209TTR6P	1900-1928, 2135-2166, 2200, 4900 Series Rock Flex
	DS211TTR8R	2010-452	2.188 Rd.	GW211PPB8	
	CDS211TTR	2410-11-0	1-3/4 Rd.	CDS211TTR23	2400 Series Rock Flex Gang
	DS208TT7	40102/P-212-10-2	1-3/16 Rd.	W208PPB7	Disc Harrow
	DS210TT5	40-103/P350-10-1	1-3/4 Rd.	W210PPB5	Disc Harrow
	DS209TT4	40-104/P412-10-2	1.535 Rd.	W209PPB4	Disc Harrow
	DS209TTR4	40-105/612-10-2	1.535 Rd.	GW208PPB4	Disc Harrow
	DS210TTR5R	40-106/750-26-2	1.785 Rd.	GW210PPB5	Disc Harrow
	FD209 RB	40-109	1-1/2 Rd.	DHU1-1/2R209	Disc Harrow
	FD211RE	40-114	1-3/4 Rd.	DHU1-3/4R211	Disc Harrow
	DS209TTR6P	40-119	1.530 Rd.		Disc Harrow
	DS211TTR23	40-121	1-3/4 Rd.		Disc Harrow
	FD209RK	40-128	1-1/4 Sq.	DHU1-1/4S208	Disc Harrow
DS209TTR4	612-10-2	1.535 Rd.	GW209PPB4	Disc Harrow	
Landoll	DS209TTR4	1065010003	1.535 Rd.	GW209PPB4	
	FD209 RB	1065010011	1-1/2 Rd.	DHU1-1/2R209	Disc Harrow
Lilliston	DS208TT12	37-61-001	1-1/8 Sq.	W208PPB12	
	DS209TT7	40-61-001	1-1/4 Sq.	W209PPB7	
	DS209TTR8	40-61-005	1-1/4 Sq.	GW208PPB8	
Long	DS208TT12	9-90092	1-1/8 Sq.	W208PPB12	958, 959 Disc
	DS208TT11	9-90093	7/8 Sq.	W208PPB11	953, 956 Disc
	DS209TT7	9-90165	1-1/4 Sq.	W209PPB7	Disc Harrow
	DS211TT6	9-90241	1-1/2 Sq.	W211PPB6	958, 959, 960, 1080, Disc Harrow
	DS211TTR3	9-92088	1-1/2 Sq.	GW211PPB3	
M & W	DC211TTR3E	2436003	1-1/2 Sq.		Earthmaster
	DC211TT3	1905678M1	1-1/2 Sq.	W2112PP3	Disc Harrow
	DS208TT12	447899M1	1-1/8 Sq.	W208PPB12	34MTD & 33 Rev. Disc
	DS211TTR3	449432M1	1-1/2 Sq.	GW211PPB3	30, 40, 520, 620, 720 Disc Harrow
	DS208TT2A	831110M1/832634M2	1-1/2 Rd.	W208PPB2	36, 52, 72 Disc Harrow
	DS211TT2	831960M1	2-3/16 Sq.	W211PPB2	27 Flex Disc
	DS210TT2	831960M3	1-15/16 Rd.	W210PPB2	Plow
	DS211TT3	832540M1	1-1/2 Sq.	W211PPB3	38, 41, 42 Disc Harrow
	DS208TT6	834367M1/1025130M	1 Sq.	W208PPB6	21 Disc Harrow
	DS209TT2	835050M1	1.7717 Rd.	W209PPB2	28, 33, 34, 39, 68 Disc Harrow
Massey Ferg.	DS209TT5	842303M1	1-1/4 Sq.	W208PPB5	520, 620 Disc Harrow
	DS209TTR5	842323M1	1-1/4 Sq.	GW209PPB5	
	DS208TT5	843638M1/1905666M	1-1/2 Sq.	W208PPB5	
	DS209TTR8	15620	1-1/4 Sq.	GW209PPB8	Disc
	DS209TTR2	276882	1-3/4 Rd.	GW209PPB2	
	DS208TT5	NDAS4508BJ	1-1/8 Sq.	W208PPB5	
	DS208TT13	NDAS4508FF	7/8 Sq.	W208PPB13	
	DS208TTR8	SPB238481B	1-1/8 Sq.	GW208PPB8	
	DS208TT7	237092B	1-3/16 Rd.	W208PPB7	241, 352, 250 Series wheel Disc Harrow
	DS208TTR8	238481B	1-1/8 Sq.	GW208PPB8	263 Disc
Oliver	DS208TT7	30-1005197	1-3/16 Rd.	W208PPB7	
	DS211TT3	4404-P	1-1/2 Sq.	W211PPB3	HD Levee Plow, WO Series Disc Harrow
	DS208TT5	744-P	1-1/8 Sq.	W208PPB5	LO, 175, 185, 200, 206, 250, 300, LT400, 720
Pico	DS209TTR8	975-P	1-1/4 Sq.	GW209PPB6	S500 Series, EM Senes Disc Harrow
	DC208TT5		1-1/8 Sq.	W208PP5	Disc Harrow & Ridger
Piper	DS209TT5		1-1/4 Sq.	W209PPB5	Do-all
	DS208TT12		1-1/8 Sq.	W208PPB12	7-1/2 Disc Harrow
Rome	DS209TT2		1.7717 Rd.	W209PPB2	Disc Harrow
Shaffer	DS210TT2		1-5/16 Rd.	W210PPB2	Disc Harrow

HARROW BEARINGS

POPULAR DISC HARROW BEARINGS BY MANUFACTURER

Manufacturer	Part No.	Mfg. Part No.	Bore	Reference	Applications
Strathmore	DC210TT2	3056	1-15/16 Rd.	W210PP2	
	DS210TT2	3056	1-15/16 Rd.	W210PPB2	
	DS208TT7	1186	1-3/16 Rd.	W208PPB7	
Sunflower	DS209TTR4	1829	1.535 Rd.	GW209PPB4	
	DS211TTR13	2042	1-3/4 Rd.	GW211PPB13	Disc Harrow
	DS208TT5	34A5301	1-1/8 Sq.	W208PPB5	
	DC211TTR21	3091	1-3/4 Rd.		Gimbal Mount Unit Insert
	FD209RK	FK311007	1-1/4 Sq.	DHU1-1/4S209	Disc Harrow
	FD209RM	YYB3471	1-1/8 Sq.	DHU1-1/8S209	Disc Harrow
Taylor	DS208TT9		1 Sq.	W208PPB9	Disc Harrow 13
	DS208TTR5		1-1/4 Sq.	GW209PPB5	Disc Harrow
	DS208TT12	204147	1-1/8 Sq.	W208PPB12	Disc Harrow Light Duty, 12-1/2, 19, 21
	DS208TT12A	204147G	1-1/8 Sq.	W208PPB19	Disk Harrow
	DS211TT6	204679	1-1/2 Sq.	W211PPB6	Disc Harrow, Extra Heavy-Duty
	DS208TT11	206090	7/8 Sq.	W208PPB11	Disc Harrow
	DS211TTR3	207022	1-1/2 Sq.	GW211PPB3	Disc Harrow, Heavy-Duty
	DS208TTR8	207359	1-1/8 Sq.	GW208PPB8	200000, Series Disc
	DS208TT13	34392	7/8 Sq.	W208PPB13	
	DC208TT5	606973	1-1/8 Sq.	W208PP5	
Towner	DS208TT8	7906	1-1/8 Sq.	W208PPB8	101 Ridger
	DC208TT5	7992	1-1/8 Sq.	W208PP5	100, 101 Ridger
	DS208TT12	15013	1-1/8 Sq.	W208PPB12	101 Ridger, 420, 425 Disc
	DC212TT	20377	1-3/4 Sq.	W212PP	100-445 Ridger
	DC216TTR2	23780	2-1/4 Sq.	GW216PP2	2700, 2701 Series
Tufline	DS211TT6	18300	1-1/2 Sq.	W211PPB6	510, 515, 577, 532, 534, 535, 560, 600, 620, 621, 630
	DS208TT5	T60	1-1/8 Sq.	W208PPB5	Disc Harrow, 1-1/8 Gang Bolt
	DS208TT12	T602	1-1/8 Sq.	W208PPB13	Disc Harrow, 1-1/8
	DS208TT11	T603	7/8 Sq.	W208PPB11	Disc Harrow w7/8 Gang Bolt
Tye	DS208TT6	552207	1 Sq.	W208PPB6	
	DC208TT5	552209	1-1/8 Sq.	W208PP5	
Unverfert	DS209TT2	7044	1.7717 Rd.	W209PPB2	Disc Harrow
	FD209RB	91134	1-1/2 Rd.	DHU1-1/2R209	Disc Harrow
W & A Mfg.	DC208TT5	481202	1-1/8 Sq.	W208PP5	Ridger & Does More
	DC211TTR3	481213	1-1/2 Rd.	GW211PP3	
	DC208TTR17	481217	1-1/8 Sq.	GW208PP17	
	DS208TTR5	213778B	1-1/8 Sq.	GW208PPB5	
White	DS208TT14	221184B	7/8 Sq.		
	DS208TT7	237092B	1-3/16 Rd.	W208PPB7	
	DS211TTR3	237909B	1-1/2 Sq.	GW211PPB3	
	DS210TTR5S	238732B	1-1/4 Sq.		
	FD209RM	238799B	1-1/8 Sq.	DHU1-1/8S209	
	DC2100TT2	408808D	1-15/16 Rd.	W210PP2	
	DS208TTR8	W238481B	1-1/8 Sq.	GW208PPB8	
	FD209 RB	W238813	1-1/2 Rd.	DHU1-1/2R209	Disc Harrow
Wil Rich	DS211TTR2	24022	2-3/16 Rd.	GW211PPB2	Disc Harrow
	DC208TTR17	24677	1-1/8 Sq.	GW208PP17	
	FD211RM	25703	1-1/2 Sq.	DHU1-1/2S211	Disc Harrow
	RD211RJA	30185	1-15/16 Rd.		568, Do-All Seed Bed
	DS209TT4	34002	1.535 Rd.	W209PPB4	

Flange Application

Bearing Number	Flange Number	Bearing Number	Flange Number	Bearing Number	Flange Number
DS208TT2A	DS80MS	DS208TT14	DS87MS	DS210TTR5R	DSG90MSA
DS208TT3	DS87MS	DS209TT2	DS85MS	DS210TTR58	DSM90MSA
DS208TT4	DS80MS	DS209TTR2	DSG85MSA	DS210TT6	DS90MS
DS208TT5	DS80MS	DS209TT4	DS85MS	DS211TT2	DS100MS
DS208TTR5	DSG80MSA	DS209TT5	DS85MS	DS211TT3	DS100MS
DS208TT6	DS80MS	DS4209TTR5	DSG85MSA	DS211TT4	DS100MS
DS208TTR6	DSG80MSA	DS209TTR5B	DSG85MSA	DS211TT6	DS100MS
DS208TT7	DS80MS	DS209TT6	DS87MS	DS211TTR13	DSG100MSA
DS208TT8	DS80MS	DS209TT8A	DSG85MS	DS211TTR15	DSG100MSA
DS208TTR8	DSG80MSA	DS209TTR10	DSG85MSA	DS211TTR2	DSG100MSA
DS209TTR8	DSG85MSA	DS210TTR2	DSG90MSA	DS211TTR3	DSG100MSA
DS208TT11	DS87MS	DS210TT2	DS90MS	DS211TTR8R	DSG100MSA
DS208TT12	DS87MS	DS210TT4	DS90MS	DS211TTR9	DSG100MSA
DS208TT12A	DS87MS	DS210TTR4	DSG90MSA		
DS208TT13	DS80MS	DS210TT5	DS90MS		

Flanges are priced per pair. On relube flanges (DSG prefix), the price is for one relube flange add one MS flange. Flanges are plated.

Note: Do not use standard flanges to mount the following part: DS208TT9, DS209TTR6P, DS211TT6, or all "DC" prefix part nos.

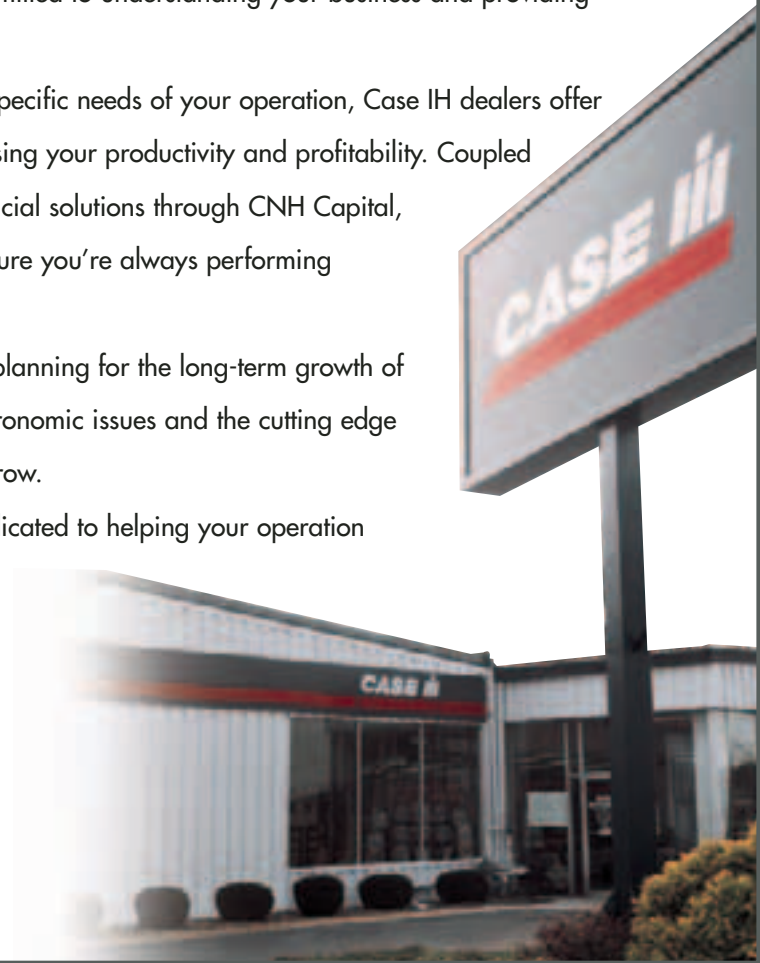
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