



Retool Your Existing Hoe Drill with Acra-Plant to Improve Performance in Difficult Soil, Moisture & Residue Conditions

Hoe Drill

- Unique **trash lifters** allow for easier less-till planting
- **Stainless steel** bodies self scour to pull easier without plowing
- **Acra-Tuff** Chrome Carbide Points take the hardest ground

Save on seed — Go deep to find moisture and protect young plants from high winds without plowing the soil or raking your old stubble — plant in the heaviest of residues — **Use Acra V-Slice technology to put the seed where it belongs** this year. With Acra-Plant Hoe Drill Shoes, you can select from up to 5 different points to tailor your Hoe Drill for your ground and residue conditions.



AP-711070
John Deere LZ, 9300



AP-719480
John Deere 9400



AP-714070
Crustbuster Hoe Drills
with Trash Shank



AP-715070
CaselH 150
w/Cast Boot



AP-715570
CaselH
150 with Fab Boot

Model #	Acra-Plant Shoe with DSZ Point Assembly Part #	Weight
John Deere LZ, 9300, 775-785 air hoe drills (comes with AP-710070 (DSZ7) point installed)	AP-711070	4.08
John Deere 9400, 1800-Series air hoe seeder (comes with AP-710080 (DSZ8) point installed)	AP-719480	5.00
Crustbuster hoe drills with trash shank (comes with AP-710070 (DSZ7) point installed)	AP-714070	4.08
CaselH 150 hoe drills with cast boot (comes with AP-710070 (DSZ7) point installed)	AP-715070	3.50
CaselH 150, 7000-7100-7200 hoe drills with Fab Boot & 8500 air hoe drill (comes with AP-710070 (DSZ7) point installed)	AP-715570	3.33



Made in the USA

NOTE: Acra-Plant hoe drill shoes also available for Versatile/Noble drills.
Consult factory for details.

Acra-Plant Hoe Drill Shoes



AP-711070

John Deere LZ, 9300, 775-785 Air Hoe Drills

AP-711070 Assembly with AP-710070 (DSZ7) Point

Kit #	Description	Weight
AP-711070	Assembly includes:	4.08
AP-711052	Acra-Plant stainless steel drill shoe body weldment	
AP-710070	Acra-Tuff chrome carbide V-slice point (DSZ7) with pin	

Parts Required for First Time installation on John Deere Drills

Part #	Quantity	Description	Weight
AP-500044	1	Seed baffle	0.20
	1	3/8" x 2-1/2" carriage bolt	
	1	3/8" top lock nut	
	1	5/16" x 2-1/2" carriage bolt	
	1	5/16" top lock nut	
	1	5/16" x 1" hex head cap screw	
	1	5/16" hex jam nut	

JD LZ/9300 Installation Sheet will be sent with each order for AP-711070



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Optional Points & Hardware

Part #	Description	Weight
AP-710060	(DSZ6) bolt-on V-bottom low disturbance point w/hardware	0.78
AP-710070	(DSZ7) pin-on heavy-duty V-slice point with pin	1.03
AP-729390	Z9 bolt-on flat bottom, drop-nose point without hardware	0.85
AP-729400	Bolt-on heavy-duty shallow V, drop nose point without hardware	0.90
DNC-715V	Economy bolt-on shallow V, drop nose point without hardware	0.70
AP-510693	5/16" x 1" spring pin (comes with AP-710070)	per 100
N1	1/4" square nut, required for bolt-on points	per 500
Z1-1	1/4" x 1" machine screw slotted flat head, required for bolt-on points	per 500
1-1	Box of 100ea 1/4" x 1" machine screw and 100ea 1/4" square nut	per 100

With Acra-Plant Hoe Drill Shoes, you can select from up to five different points to tailor your Hoe Drill for your ground and residue conditions.

**Hard Ground • Heavy Residue • Tough Planting Conditions
Dry Climate • Wet Planting Time**

Tailor your Hoe Drill with Acra-Plant for Optimum Performance

John Deere 9400, 1800-Series Air Hoe Seeder

AP-719480 Assembly with AP-710080 (DSZ8) Point

Kit #	Description	Weight
AP-719480	Assembly includes:	5.00
AP-719452	Acra-Plant stainless steel drill shoe body weldment	
AP-710080	Acra-Tuff chrome carbide V-slice point (DSZ8) with pin	



AP-719480

Hoe Drill

Parts Required for First Time installation on John Deere Drills

Part #	Quantity	Description	Weight
AP-719421	1	Seed baffle	0.20
	1	3/8" x 2-1/2" carriage bolt	
	1	3/8" top lock nut	
	1	5/16" x 2-1/2" carriage bolt	
	1	5/16" top lock nut	
	1	5/16" x 1" hex head cap screw	
	1	5/16" hex jam nut	

JD 9400 Installation Sheet will be sent with each order for AP-719480

Replacement Point & Hardware

Part #	Description	Weight
AP-710080	(DSZ8) pin-on heavy-duty V-slice point with pin	1.20
AP-510693	5/16" x 1" spring pin (comes with AP-710080) per 100	

NOTE: The AP-719480 Acra-Plant Hoe Drill Shoe was designed EXCLUSIVELY for the John Deere 9400-series Hoe Drills and the 1800-Series Air Hoe Seeder. Optimum performance can only be guaranteed using the EXCLUSIVE AP-710080 (DSZ8) Heavy-Duty V-slice point.

Optimize your John Deere Hoe Drill with ACRA-Plant Stainless Steel Hoe Drill Shoes



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Acra-Plant Hoe Drill Shoes



AP-714070

Crustbuster Hoe Drills Equipped with Trash Shanks

AP-714070 Assembly with AP-710070 (DSZ7) Point

Kit #	Description	Weight
AP-714070 4.08	Assembly includes:	
AP-714052	Acra-Plant stainless steel drill shoe body weldment	
AP-710070	Acra-Tuff chrome carbide V-slice point (DSZ7) with pin	

Parts Required for First Time installation on Crustbuster Drills

Quantity	Description
2	3/8" x 2-1/2" carriage bolt
2	3/8" top lock nut

Crustbuster Installation Sheet will be sent with each order for AP-714070

Optional Points & Hardware

Kit #	Description	Weight
AP-710060	(DSZ6) bolt-on V-bottom low disturbance point with hardware	0.78
AP-710070	(DSZ7) pin-on heavy-duty V-slice point with pin	1.03
AP-729390	Z9 bolt-on flat bottom, drop-nose point without hardware	0.85
AP-729400	Bolt-on heavy-duty shallow V, drop nose point without hardware	0.90
DNC-715V	Economy bolt-on shallow V, drop nose point without hardware	0.70
AP-510693	5/16" x 1" spring pin (comes with AP-710070)	per 100
N1	1/4" square nut, required for bolt-on points	per 500
Z1-1	1/4" x 1" machine screw slotted flat head, required for bolt-on points	per 500
1-1	Box of 100ea 1/4" x 1" machine screw & 100ea 1/4" square nut	per 100



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Equip your Crustbuster Hoe Drill with ACRA-Plant Shoes for HIGH PERFORMANCE Less-Till drilling



CaselH 150 Hoe Drills with Cast Shank Boots

AP-715070 Assembly with AP-710070 (DSZ7) Point

Kit #	Description	Weight
AP-715070	Assembly includes: AP-715052 Acra-Plant stainless steel drill shoe body weldment AP-710070 Acra-Tuff chrome carbide V-slice point (DSZ7) with pin	3.50



AP-715070

Parts Required for First Time installation on CaselH Drills

Part #	Quantity	Description	Weight
AP-715021	1	Seed baffle	0.20

CaselH 150 Cast Boot Installation Sheet will be sent with each order for AP-715070

Optional Points & Hardware

Part #	Description	Weight
AP-710060	(DSZ6) bolt-on V-bottom low disturbance point with hardware	0.78
AP-710070	(DSZ7) pin-on heavy-duty V-slice point with pin	1.03
AP-729390	Z9 bolt-on flat bottom, drop-nose point without hardware	0.85
AP-729400	Bolt-on heavy-duty shallow V, drop nose point without hardware	0.90
DNC-715V	Economy bolt-on shallow V, drop nose point without hardware	0.70
AP-510693	5/16" x 1" spring pin (comes with AP-710070)	per 100
N1	1/4" square nut, required for bolt-on points	per 500
Z1-1	1/4" x 1" machine screw slotted flat head, required for bolt-on points	per 500
1-1	Box of 100ea 1/4" x 1" machine screw & 100ea 1/4" square nut	per 100



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**With Acra-Plant Hoe Drill Shoes,
you can select from up to five different points to tailor your
Case IH Hoe Drill for your ground and residue conditions**

**Hard Ground • Heavy Residue • Tough Planting Conditions
Dry Climate • Wet Planting Time**

Acra-Plant will Tailor your Hoe Drill for Optimum Performance



AP-715570

Caselh 150 Hoe Drills with Fab Shanks & 7000-7100-7200 Hoe Drills with Fab Shank Boot & 8500 Air Hoe Drill

AP-715570 Assembly with AP-710070 (DSZ7) Point

Kit #	Description	Weight
AP-715570	Assembly includes: AP-715552 Acra-Plant stainless steel drill shoe body weldment AP-710070 Acra-Tuff chrome carbide V-slice point (DSZ7) with pin	3.33

Optional Parts for First Time

installation on Caselh Hoe Drills with Fab Boots

Consult Acra Plant Factory Engineering for side plates and seed tube options that may be required for **FIRST TIME** application:

Part #	Quantity	Description
	2	3/8" x 1" hex head cap screw
	2	3/8" top lock hex nut
AP-715508	1 set	Shear pin draw bar side plates
AP-715510	1 set	Spring trip draw bar side plates
AP-715522	1	Long seed tube for most fab shanks
AP-715523	1	Short seed tube for front gang on 7200 hoe drills & 8500 hoe air drill



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Caselh 150 Fab Boot Installation Sheet will be sent with each order for AP-715570

Optional Points & Hardware

Part #	Description	Weight
AP-710060	(DSZ6) bolt-on V-bottom low disturbance point with hardware	0.78
AP-710070	(DSZ7) pin-on heavy-duty V-slice point with pin	1.03
AP-729390	Z9 bolt-on flat bottom, drop-nose point without hardware	0.85
AP-729400	Bolt-on heavy-duty shallow V, drop nose point without hardware	0.90
DNC-715V	Economy bolt-on shallow V, drop nose point without hardware	0.70
AP-510693	5/16" x 1" spring pin (comes with AP-710070)	per 100
N1	1/4" square nut, required for bolt-on points	per 500
Z1-1	1/4" x 1" machine screw slotted flat head, required for bolt-on points	per 500
1-1	Box of 100ea 1/4" x 1" machine screw & 100ea 1/4" square nut	per 100

**Caselh Hoe Drills & Minimum-Till Drilling?
Do it this year with ACRA-Plant**

Hoe Drill Replacement Points

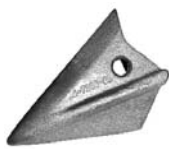
Chrome Carbide Drill Points for Acra-Plant Min-Till Hoe Drill Shoes and Quality Chrome Carbide Drill Points to **improve** the **performance** of your standard hoe drill:

- **ACRA-Tuff Chrome Carbide Points** take the hardest ground
- **Chrome Carbide will outlast OEM cast points 3-5 times**
- Many points available in **V-bottom configuration**, for improved seed-soil contact
- **Widest variety of Chrome Carbide Points** to tailor your hoe drill for your ground and residue conditions and for your ever-changing crop rotations

Part Numbers **in bold** are the Part Numbers you order from Acra-Plant/ShieldAg
Part Numbers in parentheses () are common numbers that have been used by the industry to identify these parts



Hoe Drill



AP-710060
(DSZ6)
(Z6)
(AG-7100-60)
(TF111)
(DNC-829)



AP-710070
(DSZ7)
(Z7)
(DNC-827P)



AP-710080
(DSZ8)
(Z8)



AP-729390
(Z9)
(TF132)



AP-729400



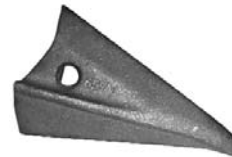
DNC-715V
(715V)



AP-729410
(Z10)
(TF105)
(657PO)



DNC-657D
(657)



DNC-657V
(657V)



DNC-657DEB
(657DEB)



AP-720011
(Z11)
(DNC-809I)
(809I)



AP-720011X
(720011)



DNC-809V
(809V)



AP-712000
John Deere HZ



Made in the USA

Hoe Drill Replacement Points

Points Available for Acra-Plant Min-Till Hoe Drill Shoes

NOTE: These points are designed for drills that have been converted to Acra-Plant Shoes

Model #	Bolt-On V-Bottom	Pin-On V-Bottom	Bolt-On Flat Bottom	Bolt-On Shallow V	Economy Bolt-On Shallow V
John Deere LZ, 9300	AP-710060 (DSZ6, Z6)	AP-710070 (DSZ7, Z7)	AP-729390 (Z9)	AP-729400	DNC-715V (715V)
John Deere 9400		AP-710080 (DSZ8, Z8)			
Caselh Fab Shank	AP-710060 (DSZ6, Z6)	AP-710070 (DSZ7, Z7)	AP-729390 (Z9)	AP-729400	DNC-715V (715V)
Caselh Cast Shank	AP-710060 (DSZ6, Z6)	AP-710070 (DSZ7, Z7)	AP-729390 (Z9)	AP-729400	DNC-715V (715V)
CrustBuster with Trash Shanks	AP-710060 (DSZ6, Z6)	AP-710070 (DSZ7, Z7)	AP-729390 (Z9)	AP-729400	DNC-715V (715V)
Melroe/Lilliston/ Kirshman/ Massey	AP-710060 (DSZ6, Z6)	AP-710070 (DSZ7, Z7)	AP-729390 (Z9)	AP-729400	DNC-715V (715V)
Noble DK-5 2" shank Versatile 2000-2200 Series		AP-710080 (DSZ8, Z8)			

Parts

Part #	Description	Weight
AP-710060	(DSZ6, Z6) Bolt-on V-bottom point, includes hardware <i>This point is a light-weight, less aggressive Acra-Plant V-bottom point without "drop point" designed for lighter soil applications</i>	0.78
AP-710070	(DSZ7, Z7) Pin-on V-bottom point with 5/16" x 1" spring pin <i>This point is a heavy-duty aggressive Acra-Plant V-bottom point designed for optimum seed-to-soil contact in the toughest planting conditions</i>	1.03
AP-710080	(DSZ8, Z8) Pin-on V-bottom point with 5/16" x 1" spring pin <i>This point is a heavy-duty aggressive Acra-Plant V-bottom point designed for optimum seed-to-soil contact in the toughest planting conditions</i>	1.20
AP-729390	(Z9, TF132) Bolt-on flat bottom point, without hardware <i>This point is designed with a "drop nose" tip for any Z6 or Z7 application where the V-bottom is not desired due to ground or soil conditions</i>	0.85
AP-729400	Bolt-on V-bottom point with "drop nose," without hardware <i>This point is designed with a "drop nose" tip for any Z6 or Z7 application where the V-bottom is desired with a drop point</i>	0.90
DNC-715V	(715V) Bolt-on "economy" V-bottom point, without hardware <i>This point is a light-weight, less aggressive V-bottom point with a small "drop point" designed for lighter soil applications</i>	0.70

Hardware

Part #	Description	
AP-510693	5/16" x 1" spring pin (comes with AP-710070)	per 100
N1	1/4" square nut, required for bolt-on points	per 500
Z1-1	1/4" x 1" machine screw slotted flat head, required for bolt-on points	per 500
1-1	Box of 100ea 1/4" x 1" machine screw & 100ea 1/4" square nut	per 100

Points Available for John Deere OEM Hoe Drill Shoes

Model #	Standard Bolt-On Spear Point	Drop Nose Pin-On Flat Bottom	Drop Nose Bolt-On Flat Bottom	Spear Point Bolt-On V-Bottom
John Deere LZ John Deere 9300, 9400 with factory AN213462 boot & air hoe seeders	DNC-657D (657)	AP-729410 (Z10) (TF105) (657PO)	DNC-657DEB (657DEB)	DNC-657V (657V)

NOTE: John Deere OEM Boot Part Number AN213462 is now the only factory OEM boot available from John Deere for LZ, 9300 and 9400-series Hoe Drills. The above list of points are designed to yield the widest variety of Spear Points and V-bottom Points available today for all John Deere Hoe Drills and air hoe seeders using hoe drill boots.

Parts

Part #	Description	Weight
DNC-657D	(657) John Deere bolt-on spear point without hardware <i>The Spear Point is designed to replace the standard JD Spear Point and is a direct replacement for original LZ shoes</i>	0.75
AP-729410	(657PO, TF105, Z10) pin-on flat bottom point without hardware <i>This point is designed with a "drop nose" tip for harder ground conditions and is a direct replacement for original LZ shoes</i>	0.82
DNC-657DEB	(657DEB) "Drop-nose" bolt-on spear point without hardware <i>This drop nose spear point is designed to replace the standard JD spear point in applications where customers require a shorter point while retaining the "drop point" design. Normally, all points must be replaced to use DNC-657DEB due to the shorter point design.</i>	0.78
DNC-657V	(657V) Extended nose V-bottom bolt-on point without hardware <i>This V-bottom Spear Point is designed to replace the standard JD Spear Point where a V-bottom design is required</i>	0.86

Hardware

Part #	Description	
N1	1/4" square nut, required for bolt-on points	per 500
Z1-1	1/4" x 1" machine screw slotted flat head, required for bolt-on points	per 500
1-1	Box of 100ea 1/4" x 1" machine screw and 100ea 1/4" square nut	per 100



AP-729410
(657PO)



DNC-657D



DNC-657V



DNC-657DEB



Made in the USA

Hoe Drill Replacement Points

Points Available for CaselH/International OEM Hoe Drill Shoes

Model #	Drop Nose Standard Bolt-On Point	Extreme Condition Bolt-On Point	Standard Bolt-On V-Bottom
CaselH/International	AP-720011 (Z11, 809I) (DNC-809I)	AP-720011X (720011)	DNC-809V (809V)

Parts

Part #	Description	Weight
AP-720011	(Z11, 809I) Z11 bolt-on flat bottom point, without hardware <i>This point is designed with a small "drop nose" tip</i>	0.80
AP-720011X	(Z11X) Z11 extreme conditions bolt-on point, without hardware <i>This point features a more radical nose drop and a taller V-crown to last longer in dry, hard conditions</i>	0.90
DNC-809V	(809V) bolt-on V-bottom point, without hardware <i>This point is a V-bottom version of the standard Z11</i>	0.96

Hardware

Part #	Description	
N1	1/4" square nut, required for bolt-on points	per 500
Z1-3	1/4" x 1-1/2" machine screw slotted flat head, required for bolt-on points	per 500



AP-720011



AP-720011X



DNC-809V



Made in the USA

Points Available for Crustbuster OEM Hoe Drill Shoes

Model #	Economy Bolt-On Point	Drop Nose Bolt-On V-Bottom	Standard Bolt-On V-Bottom
Crustbuster	AP-729390 (Z9, TF132)	AP-729400	DNC-715V (715V) without trash shank

Parts

Part #	Description	Weight
AP-729390	(Z9, TF132) Bolt-on flat bottom point, without hardware <i>This point is designed with a "drop nose" tip</i>	0.85
AP-729400	Bolt-on V-bottom point with "drop nose", without hardware <i>This point is designed with a "drop nose" tip for any Z6 or Z7 application where the V-bottom is desired with a drop point</i>	0.90
DNC-715V	(715V) Bolt-on "economy" V-bottom point, without hardware <i>This point is a light-weight, less aggressive V-bottom point with a small "drop point" designed for lighter soil applications and only for Crustbuster Hoe Drills <u>without</u> trash shanks</i>	0.70

Hardware

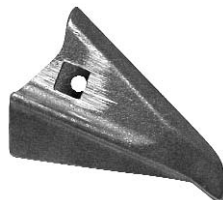
Part #	Description	
N1	1/4" square nut, required for bolt-on points	per 500
Z1-1	1/4" x 1" machine screw slotted flat head, required for bolt-on points	per 500
1-1	Box of 100ea 1/4" x 1" machine screw and 100ea 1/4" square nut	per 100

Optional Points for Early Crustbuster Hoe Drills with 3/8" shank and bolt-on point or pin-on options

Part #	Description	Weight
AP-710060	(DSZ6, Z6) Bolt-on V-bottom point with hardware	0.78
AP-710070	(DSZ7, Z7) Pin-on V-bottom point with 5/16" x 1" spring pin	1.03



AP-729390



AP-729400



DNC-715V



AP-710060



AP-710070

Hoe Drill Replacement Points

Points Available for Great Plains, My-D Han-D & Morris OEM Hoe Drill Shoes

Model #	Standard Bolt-On Point	Drop-Nose Bolt-On V-Bottom	Belt-On V-Bottom
Great Plains, My-D Han-D & Morris with Acra Point	AP-729390 (Z9, TF132)	AP-729400	AP-710060 (DSZ6, Z6) (Morris & My-D Han-D)

Parts

Part #	Description	Weight
AP-729390	(Z9, TF132) Bolt-on flat bottom point, without hardware <i>This point is designed with a "drop nose" tip</i>	0.85
AP-729400	Bolt-on V-bottom point with "drop nose", without hardware	0.90
AP-710060	Bolt-on V-bottom point with hardware for My-D Han-D & Morris (with Acra Point shoe)	0.78

Hardware

Part #	Description	Weight
N1	1/4" square nut, required for bolt-on points	per 500
Z1-1	1/4" x 1" machine screw slotted flat head, required for bolt-on points	per 500
1-1	Box of 100ea 1/4" x 1" machine screw and 100ea 1/4" square nut	per 100

Optional Points for Early Great Plains Hoe Drills that used Acra-Plant points as equipped from the Great Plains factory

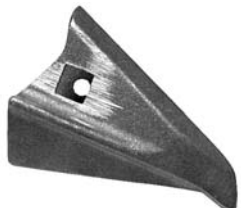
Part #	Description	Weight
AP-710060	(DSZ6) Bolt-on V-bottom point with hardware	0.78
AP-710070	(DSZ7) Pin-on heavy-duty V-slice point with pin	1.03
DNC-715V	(715V) Bolt-on "economy" V-bottom point without hardware	0.70
AP-710080	(DSZ8) Pin-on heavy-duty V-slice point with pin	1.20

NOTE: AP-710080 (DSZ8) only for drills with 1/2" shank option

WARNING NOTE: Check your application carefully before ordering. A trial fit may be needed to assure the correct fit with all points listed above



AP-729390



AP-729400



DNC-715V



AP-710060



AP-710070



AP-710080

Points Available for Versatile & Versatile/Noble Hoe Drills

Model #	Standard Bolt-On Spear Point	Drop Nose Pin-On Flat Bottom	Drop Nose Bolt-On Flat Bottom	Spear Point Bolt-On V-Bottom
Versatile 2000-2200	DNC-657D (657)	AP-729410 (Z10) (TF105) (657PO)	DNC-657DEB (657DEB)	DNC-657V (657V)

Parts

Part #	Description	Weight
DNC-657D	(657) Bolt-on spear point, without hardware	0.75
AP-729410	(657PO, TF105, Z10) Pin-on flat bottom point, without hardware	0.82
DNC-657DEB	(657DEB) "Drop-nose point" bolt-on spear point, without hardware	0.78
DNC-657V	(657V) Extended nose V-bottom bolt-on point, without hardware	0.86

Hardware

Part #	Description	Weight
N1	1/4" square nut, required for bolt-on points	per 500
Z1-1	1/4" x 1" machine screw slotted flat head, required for bolt-on points	per 500
1-1	Box of 100ea 1/4" x 1" machine screw and 100ea 1/4" square nut	per 100

Point for Versatile 2000-2200 Series with Acra-Plant Shoe

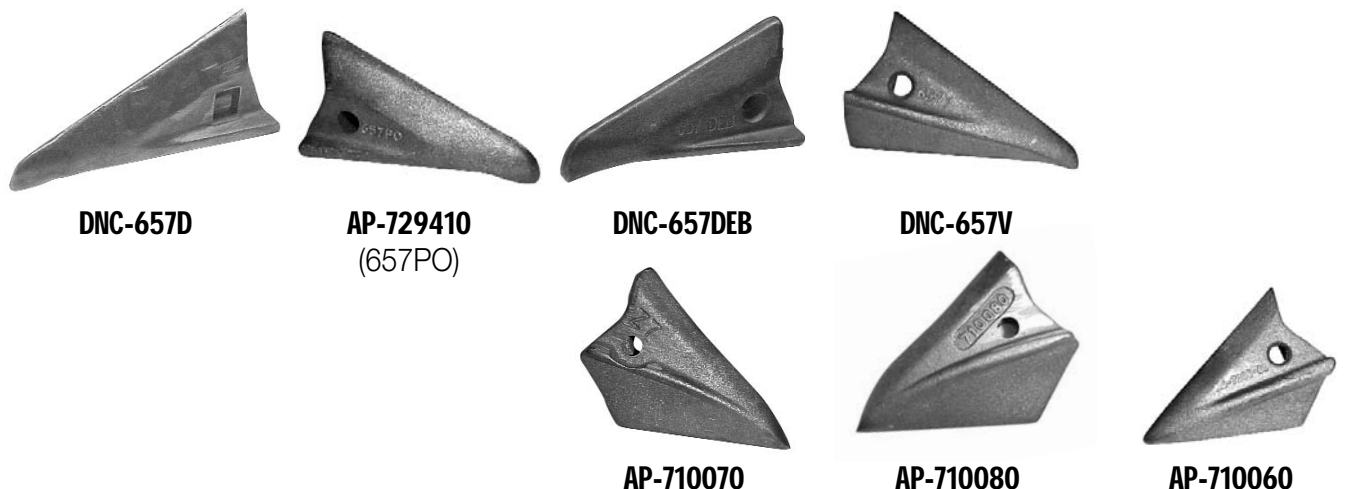
Part #	Description	Weight
AP-710080	(DSZ8, Z8) Pin-on V-bottom point with pin	1.20

NOTE: Acra-Plant hoe drill shoes also available for Versatile/Noble drills. Consult factory for details.

Point for very early 2000-series Versatile

Part #	Description	Weight
AP-710060	(DSZ6, Z6) Bolt-on V-bottom point with hardware	0.78
AP-710070	(DSZ7, Z7) Pin-on V-bottom point with pin	1.03

WARNING NOTE: Check your application for Versatile & Versatile/Noble hoe drills carefully before ordering. A trial fit may be needed to assure the correct fit with all points listed above



Hoe Drill Replacement Points

Chrome Carbide Hoe Drill Points

Part #	Description	Weight
AP-710060	(DSZ6, Z6) bolt-on V-bottom, with hardware	0.78
AP-710070	(DSZ7, Z7) pin-on V-slice with pin	1.03
AP-710080	(DSZ8, Z8) Pin-on V-slice point with pin	1.20
AP-720011	(Z11, 809I) bolt-on flat bottom, without hardware	0.80
AP-720011X	(Z11X) bolt-on extreme conditions, without hardware	0.90
AP-729390	(Z9, TF132) bolt-on drop-nose without hardware	0.85
AP-729400	Bolt-on V-bottom, drop-nose without hardware	0.90
AP-729410	(Z10, 657PO, TF105) pin-on without hardware	0.82
DNC-657D	(657) bolt-on spear, without hardware	0.75
DNC-657DEB	(657DEB) drop nose bolt-on, without hardware	0.78
DNC-657V	(657V) V-bottom bolt-on Spear, without hardware	0.86
DNC-715V	(715V) economy bolt-on shallow V, without hardware	0.70
DNC-809V	(809V) bolt-on V-bottom point, without hardware	0.96
AP-712000	John Deere HZ and HayBuster drill point	3.58

Hoe Drill

Hardware

Part #	Description	
AP-510693	5/16" x 1" Spring pin	per 100
N1	1/4" square nut, required for bolt-on points	per 500
Z1-1	1/4" x 1" machine screw slotted flat head, required for bolt-on points	per 500
Z1-3	1/4" x 1-1/2" Machine screw slotted flat head	per 500
1-1	Box of 100ea 1/4" x 1" machine screw and 100ea 1/4" square nut	per 100



AP-710060
(DSZ6)
(Z6)
(AG-7100-60)
(TF111)
(DNC-829)



AP-710070
(DSZ7)
(Z7)
(DNC-827P)



AP-710080
(DSZ8)
(Z8)



AP-729390
(Z9)
(TF132)



AP-729400



DNC-715V
(715V)



AP-729410
(Z10)
(TF105)
(657PO)



DNC-657D
(657)



DNC-657V
(657V)



DNC-657DEB
(657DEB)



AP-720011
(Z11)
(DNC-809I)
(809I)



AP-720011X
(720011)



DNC-809V
(809V)



AP-712000
John Deere HZ



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