TECHNOLOGICALLY SUPERIOR IN FUNCTION
WHILE MAINTAINING SIMPLICITY OF DESIGN

Since 1937
Quality Commercial Fertilizer
Application and Support Equipment

SPRING/SUMMER 2015 PRODUCT CATALOG

January 2015
QUICK REFERENCE PART LIST

N346 SERIES COULTER ASSEMBLY OPTIONS

Clamps Are Not Included With Couler

N346 STANDARD COULTER SUB-ASSEMBLY

Coulter Sub-Assembly

Includes:

N346 COULTER SUB-ASSEMBLY

wt. 35 lbs.

N346Y STANDARD COULTER SUB-ASSEMBLY with LOCKING COLLAR & BOLT SACK

Coulter Sub-Assembly

Includes:

N346 COULTER SUB-ASSEMBLY

N347-2 LOCKING COLLAR (30 degree)

N346S BOLT SACK

wt. 37 lbs.

N347Y STANDARD 20" COULTER ASSEMBLY without BLADE

Coulter Sub-Assembly

Includes:

N346 COULTER SUB-ASSEMBLY

N343 1 1/2" x 22" STRAIGHT COULTER SHANK

N347-2 LOCKING COLLAR (30 degree)

N346S BOLT SACK

wt. 48 lbs.

N347 w/ N342 STANDARD COULTER ASSEMBLY with 20" x 4.5mm RIPPLE BLADE

Coulter Sub-Assembly

20" Ripple Blade

Includes:

N346 COULTER SUB-ASSEMBLY

N343 1 1/2" x 22" STRAIGHT COULTER SHANK

N347-2 LOCKING COLLAR (30 degree)

N346S BOLT SACK

N342 20" x 4.5mm RIPPLE BLADE

wt. 63 lbs.
<table>
<thead>
<tr>
<th><strong>N346 SERIES COULTER ASSEMBLY OPTIONS - Continued</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NEW</strong></td>
<td></td>
</tr>
<tr>
<td>N347 w/ N342-RS STANDARD COULTER ASSEMBLY with 20&quot; x 5.0mm RIPPLE BLADE</td>
<td></td>
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<tr>
<td>Includes:</td>
<td></td>
</tr>
<tr>
<td>N346 COULTER SUB-ASSEMBLY</td>
<td></td>
</tr>
<tr>
<td>N343 1 1/2&quot; x 22&quot; STRAIGHT COULTER SHANK</td>
<td></td>
</tr>
<tr>
<td>N347-2 LOCKING COLLAR (30 degrees)</td>
<td></td>
</tr>
<tr>
<td>N346S BOLT SACK</td>
<td></td>
</tr>
<tr>
<td>N342-SE 20&quot; x 5.0mm RIPPLE BLADE</td>
<td>wt. 63 lbs.</td>
</tr>
<tr>
<td>N347 w/ N342-SE STANDARD COULTER ASSEMBLY with 20&quot; x 4.0mm STRAIGHT-EDGE RIPPLE BLADE</td>
<td></td>
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<tr>
<td>Includes:</td>
<td></td>
</tr>
<tr>
<td>N346 COULTER SUB-ASSEMBLY</td>
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<td>N347-2 LOCKING COLLAR (30 degrees)</td>
<td></td>
</tr>
<tr>
<td>N346S BOLT SACK</td>
<td></td>
</tr>
<tr>
<td>N342-SE 20&quot; x 4.0mm Straight-Edge RIPPLE BLADE</td>
<td>wt. 63 lbs.</td>
</tr>
<tr>
<td>N347 w/ N342-P STANDARD COULTER ASSEMBLY with 20&quot; x 4.0mm PLAIN BLADE</td>
<td></td>
</tr>
<tr>
<td>Includes:</td>
<td></td>
</tr>
<tr>
<td>N346 COULTER SUB-ASSEMBLY</td>
<td></td>
</tr>
<tr>
<td>N345 1 1/2&quot; x 22&quot; OFFSET COULTER SHANK</td>
<td></td>
</tr>
<tr>
<td>N347-2 LOCKING COLLAR (30 degrees)</td>
<td></td>
</tr>
<tr>
<td>N346S BOLT SACK</td>
<td></td>
</tr>
<tr>
<td>N342 20&quot; x 4.0mm PLAIN BLADE</td>
<td>wt. 63 lbs.</td>
</tr>
<tr>
<td>N347 w/ N343-R STANDARD COULTER ASSEMBLY with 17&quot; x 4.5mm RIPPLE BLADE</td>
<td></td>
</tr>
<tr>
<td>Includes:</td>
<td></td>
</tr>
<tr>
<td>N346 COULTER SUB-ASSEMBLY</td>
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<td>N343 1 1/2&quot; x 22&quot; STRAIGHT COULTER SHANK</td>
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</tr>
<tr>
<td>N347-2 LOCKING COLLAR (30 degrees)</td>
<td></td>
</tr>
<tr>
<td>N346S BOLT SACK</td>
<td></td>
</tr>
<tr>
<td>N339-2 17&quot; x 4.5mm RIPPLE BLADE</td>
<td>wt. 58 lbs.</td>
</tr>
<tr>
<td>N348Y OFFSET 20&quot; COULTER ASSEMBLY without BLADE</td>
<td></td>
</tr>
<tr>
<td>Includes:</td>
<td></td>
</tr>
<tr>
<td>N346 COULTER SUB-ASSEMBLY</td>
<td></td>
</tr>
<tr>
<td>N345 1 1/2&quot; x 22&quot; OFFSET COULTER SHANK</td>
<td></td>
</tr>
<tr>
<td>N347-2 LOCKING COLLAR (30 degrees)</td>
<td></td>
</tr>
<tr>
<td>N346S BOLT SACK</td>
<td></td>
</tr>
<tr>
<td>N348Y 20&quot; x 4.5mm Ripple Blade</td>
<td>wt. 48 lbs.</td>
</tr>
<tr>
<td>N348 w/ N342 OFFSET COULTER ASSEMBLY with 20&quot; x 4.5mm RIPPLE BLADE</td>
<td></td>
</tr>
<tr>
<td>Includes:</td>
<td></td>
</tr>
<tr>
<td>N346 COULTER SUB-ASSEMBLY</td>
<td></td>
</tr>
<tr>
<td>N345 1 1/2&quot; x 22&quot; OFFSET COULTER SHANK</td>
<td></td>
</tr>
<tr>
<td>N347-2 LOCKING COLLAR (30 degrees)</td>
<td></td>
</tr>
<tr>
<td>N346S BOLT SACK</td>
<td></td>
</tr>
<tr>
<td>N342 20&quot; x 4.5mm Ripple Blade</td>
<td>wt. 65 lbs.</td>
</tr>
<tr>
<td>N348 w/ N342-RS OFFSET COULTER ASSEMBLY with 20&quot; x 5.0mm RIPPLE BLADE</td>
<td></td>
</tr>
<tr>
<td>Includes:</td>
<td></td>
</tr>
<tr>
<td>N346 COULTER SUB-ASSEMBLY</td>
<td></td>
</tr>
<tr>
<td>N345 1 1/2&quot; x 22&quot; OFFSET COULTER SHANK</td>
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</tr>
<tr>
<td>N347-2 LOCKING COLLAR (30 degrees)</td>
<td></td>
</tr>
<tr>
<td>N346S BOLT SACK</td>
<td></td>
</tr>
<tr>
<td>N342-SE 20&quot; x 5.0mm RIPPLE BLADE</td>
<td>wt. 65 lbs.</td>
</tr>
<tr>
<td>N348 w/ N342-SE OFFSET COULTER ASSEMBLY with 20&quot; x 4.0mm STRAIGHT-EDGE RIPPLE BLADE</td>
<td></td>
</tr>
<tr>
<td>Includes:</td>
<td></td>
</tr>
<tr>
<td>N346 COULTER SUB-ASSEMBLY</td>
<td></td>
</tr>
<tr>
<td>N345 1 1/2&quot; x 22&quot; OFFSET COULTER SHANK</td>
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<tr>
<td>N347-2 LOCKING COLLAR (30 degrees)</td>
<td></td>
</tr>
<tr>
<td>N346S BOLT SACK</td>
<td></td>
</tr>
<tr>
<td>N342-SE 20&quot; x 4.0mm STRAIGHT-EDGE RIPPLE BLADE</td>
<td>wt. 63 lbs.</td>
</tr>
<tr>
<td>N348 w/ N342-P OFFSET COULTER ASSEMBLY with 20&quot; x 4.0mm PLAIN BLADE</td>
<td></td>
</tr>
<tr>
<td>Includes:</td>
<td></td>
</tr>
<tr>
<td>N346 COULTER SUB-ASSEMBLY</td>
<td></td>
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<tr>
<td>N345 1 1/2&quot; x 22&quot; OFFSET COULTER SHANK</td>
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<tr>
<td>N347-2 LOCKING COLLAR (30 degrees)</td>
<td></td>
</tr>
<tr>
<td>N346S BOLT SACK</td>
<td></td>
</tr>
<tr>
<td>N342 20&quot; x 4.0mm PLAIN BLADE</td>
<td>wt. 63 lbs.</td>
</tr>
<tr>
<td>N348 w/ N343-R OFFSET COULTER ASSEMBLY with 17&quot; x 4.5mm RIPPLE BLADE</td>
<td></td>
</tr>
<tr>
<td>Includes:</td>
<td></td>
</tr>
<tr>
<td>N346 COULTER SUB-ASSEMBLY</td>
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<td>N347-2 LOCKING COLLAR (30 degrees)</td>
<td></td>
</tr>
<tr>
<td>N346S BOLT SACK</td>
<td></td>
</tr>
<tr>
<td>N339-2 17&quot; x 4.5mm RIPPLE BLADE</td>
<td>wt. 60 lbs.</td>
</tr>
</tbody>
</table>

Includes:
- N348 w/ N342-RS OFFSET COULTER ASSEMBLY with 20" x 5.0mm RIPPLE BLADE
- N348 w/ N342-SE OFFSET COULTER ASSEMBLY with 20" x 4.0mm STRAIGHT-EDGE RIPPLE BLADE
- N347 w/ N342-RS STANDARD COULTER ASSEMBLY with 20" x 5.0mm RIPPLE BLADE
- N347 w/ N342-SE STANDARD COULTER ASSEMBLY with 20" x 4.0mm STRAIGHT-EDGE RIPPLE BLADE
- N347 w/ N342-P STANDARD COULTER ASSEMBLY with 20" x 4.0mm PLAIN BLADE
- N347 w/ N339-R STANDARD COULTER ASSEMBLY with 17" x 4.5mm RIPPLE BLADE
- N348Y OFFSET 20" COULTER ASSEMBLY without BLADE
- N348 w/ N342 OFFSET COULTER ASSEMBLY with 20" x 4.5mm RIPPLE BLADE
- N348 w/ N342-SE OFFSET COULTER ASSEMBLY with 20" x 4.0mm PLAIN BLADE
- N348 w/ N343-R OFFSET COULTER ASSEMBLY with 17" x 4.5mm PLAIN BLADE

N346 SERIES COULTER ASSEMBLY OPTIONS - Continued

NEW
### NCIK346 SERIES COULTER INJECTION-KNIFE ASSEMBLY OPTIONS

Clamps Are Not Included With Coulter - Injector Assy., Nozzle Holder / Rock Guard Assy., & Knife Mounting Bracket Assy. Not Included

#### NCIK346 COULTER INJECTION-KNIFE SUB-ASSEMBLY

Steam Injection/Knife Coulter Sub-Assembly

<table>
<thead>
<tr>
<th>Includes:</th>
<th>NCIK346 COULTER SUB-ASSEMBLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>wt.</td>
<td>48 lbs.</td>
</tr>
</tbody>
</table>

#### NCIK346Y COULTER INJECTION-KNIFE SUB-ASSEMBLY with LOCKING COLLAR & BOLT SACK

Steam Injection/Knife Coulter Sub-Assembly

<table>
<thead>
<tr>
<th>Includes:</th>
<th>NCIK346 COULTER SUB-ASSEMBLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>wt.</td>
<td>49 lbs.</td>
</tr>
</tbody>
</table>

#### NCIK347Y COULTER INJECTION-KNIFE ASSEMBLY without BLADE

Steam Injection/Knife Coulter Sub-Assembly

<table>
<thead>
<tr>
<th>Includes:</th>
<th>NCIK346 COULTER SUB-ASSEMBLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>wt.</td>
<td>60 lbs.</td>
</tr>
</tbody>
</table>

#### NCIK347 w/ N342 COULTER INJECTION-KNIFE ASSEMBLY with 20” x 4.5mm RIPPLE BLADE

<table>
<thead>
<tr>
<th>Includes:</th>
<th>NCIK346 COULTER SUB-ASSEMBLY with WELDED COULTER INJECTION ARM</th>
</tr>
</thead>
<tbody>
<tr>
<td>wt.</td>
<td>75 lbs.</td>
</tr>
</tbody>
</table>

#### NCIK347 w/ N342-R5 COULTER INJECTION-KNIFE ASSEMBLY with 20” x 5.0mm RIPPLE BLADE

<table>
<thead>
<tr>
<th>Includes:</th>
<th>NCIK346 COULTER SUB-ASSEMBLY with WELDED COULTER INJECTION ARM</th>
</tr>
</thead>
<tbody>
<tr>
<td>wt.</td>
<td>75 lbs.</td>
</tr>
</tbody>
</table>

#### NCIK347 w/ N342-SE COULTER INJECTION-KNIFE ASSEMBLY with 20” x 4.0mm STRAIGHT-EDGE RIPPLE BLADE

<table>
<thead>
<tr>
<th>Includes:</th>
<th>NCIK346 COULTER SUB-ASSEMBLY with WELDED COULTER INJECTION ARM</th>
</tr>
</thead>
<tbody>
<tr>
<td>wt.</td>
<td>75 lbs.</td>
</tr>
</tbody>
</table>

#### NCIK347 w/ N342-P COULTER INJECTION-KNIFE ASSEMBLY with 20” x 4.0mm PLAIN BLADE

<table>
<thead>
<tr>
<th>Includes:</th>
<th>NCIK346 COULTER SUB-ASSEMBLY with WELDED COULTER INJECTION ARM</th>
</tr>
</thead>
<tbody>
<tr>
<td>wt.</td>
<td>75 lbs.</td>
</tr>
</tbody>
</table>

#### NCIK348Y OFFSET 20” COULTER INJECTION-KNIFE ASSEMBLY without BLADE

<table>
<thead>
<tr>
<th>Includes:</th>
<th>NCIK346 COULTER SUB-ASSEMBLY with WELDED COULTER INJECTION ARM</th>
</tr>
</thead>
<tbody>
<tr>
<td>wt.</td>
<td>62 lbs.</td>
</tr>
</tbody>
</table>

#### NCIK348 w/ N342 OFFSET 20” COULTER INJECTION-KNIFE ASSEMBLY with 20” x 4.5mm RIPPLE BLADE

<table>
<thead>
<tr>
<th>Includes:</th>
<th>NCIK346 COULTER SUB-ASSEMBLY with WELDED COULTER INJECTION ARM</th>
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</thead>
<tbody>
<tr>
<td>wt.</td>
<td>75 lbs.</td>
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</tbody>
</table>
### NCIK346 SERIES COULTER INJECTION-KNIFE ASSEMBLY OPTIONS - Con't.

<table>
<thead>
<tr>
<th>Option Description</th>
<th>Includes</th>
<th>New</th>
</tr>
</thead>
<tbody>
<tr>
<td>NCIK346 w/ N342-R5 OFFSET 20&quot; COULTER INJECTION-KNIFE ASSEMBLY with 20&quot; x 5.0mm RIPPLE BLADE</td>
<td>NCIK346 COULTER SUB-ASSEMBLY with WELDED COULTER INJECTION ARM, N345 1 1/2&quot; x 22&quot; OFFSET COULTER SHANK, N347-2 LOCKING COLLAR (30 degree), N346S BOLT SACK</td>
<td>NEW</td>
</tr>
<tr>
<td>NCIK346 w/ N342-SE OFFSET 20&quot; COULTER INJECTION-KNIFE ASSEMBLY with 20&quot; x 4mm STRAIGHT-EDGE RIPPLE BLADE</td>
<td>NCIK346 COULTER SUB-ASSEMBLY with WELDED COULTER INJECTION ARM, N345 1 1/2&quot; x 22&quot; OFFSET COULTER SHANK, N347-2 LOCKING COLLAR (30 degree), N346S BOLT SACK</td>
<td>NEW</td>
</tr>
<tr>
<td>NCIK346 w/ N342-P OFFSET 20&quot; COULTER INJECTION-KNIFE ASSEMBLY with 20&quot; x 4.0mm PLAIN BLADE</td>
<td>NCIK346 COULTER SUB-ASSEMBLY with WELDED COULTER INJECTION ARM, N345 1 1/2&quot; x 22&quot; OFFSET COULTER SHANK, N347-2 LOCKING COLLAR (30 degree), N346S BOLT SACK</td>
<td>NEW</td>
</tr>
<tr>
<td>NSD346 COULTER ASSEMBLY OPTIONS</td>
<td></td>
<td></td>
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<tr>
<td>NSD346 20&quot; SIDE-DRESS COULTER SUB-ASSEMBLY</td>
<td>NEW</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Includes: NSD346 SIDE-DRESS COULTER SUB-ASSY.</td>
<td></td>
</tr>
<tr>
<td>NSD346Y 20&quot; SIDE-DRESS COULTER SUB-ASSEMBLY with LOCK COLLAR &amp; BOLT SACK</td>
<td>NEW</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Includes: NSD346 SIDE-DRESS COULTER SUB-ASSY., N347-2 LOCKING COLLAR (30 degree), N346S BOLT SACK</td>
<td></td>
</tr>
<tr>
<td>NSD347Y 20&quot; SIDE-DRESS COULTER ASSEMBLY without BLADE</td>
<td>NEW</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Includes: NSD346 SIDE-DRESS COULTER SUB-ASSY., N343 1 1/2&quot; x 22&quot; STRAIGHT COULTER SHANK, N347-2 LOCKING COLLAR (30 degree), N346S BOLT SACK</td>
<td></td>
</tr>
<tr>
<td>NSD347 w/ N342 20&quot; SIDE-DRESS COULTER ASSEMBLY with 20&quot; x 4.5mm RIPPLE BLADE</td>
<td>NEW</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Includes: NSD346 SIDE-DRESS COULTER SUB-ASSY., N343 1 1/2&quot; x 22&quot; STRAIGHT COULTER SHANK, N347-2 LOCKING COLLAR (30 degree), N346S BOLT SACK, N342 20&quot; x 4.5mm RIPPLE BLADE</td>
<td></td>
</tr>
<tr>
<td>NSD347 w/ N342-R5 20&quot; SIDE-DRESS COULTER ASSEMBLY with 20&quot; x 5.0mm BLADE</td>
<td>NEW</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Includes: NSD346 SIDE-DRESS COULTER SUB-ASSY., N343 1 1/2&quot; x 22&quot; STRAIGHT COULTER SHANK, N347-2 LOCKING COLLAR (30 degree), N346S BOLT SACK, N342-R5 20&quot; x 5.0mm RIPPLE BLADE</td>
<td></td>
</tr>
<tr>
<td>NSD347 with 20&quot; SIDE-DRESS COULTER ASSEMBLY with N342-SE 20&quot; x 4.0mm BLADE</td>
<td>NEW</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Includes: NSD346 SIDE-DRESS COULTER SUB-ASSY., N343 1 1/2&quot; x 22&quot; STRAIGHT COULTER SHANK, N347-2 LOCKING COLLAR (30 degree), N346S BOLT SACK, N342-SE 20&quot; x 4.0mm STRAIGHT-EDGE RIPPLE BLADE</td>
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</tbody>
</table>
### NSD346 COULTER ASSEMBLY OPTIONS - Continued

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
<th>New</th>
</tr>
</thead>
</table>
| NSD347 w/ N342-P 20" SIDE-DRESS COULTER ASSEMBLY with 20" x 4.00mm PLAIN BLADE | Includes:  
NSD346: SIDE-DRESS COULTER SUB-ASSY.  
N343: 1 1/2" x 22" STRAIGHT COULTER SHANK  
N347: 2 LOCKING COLLAR (30 degree)  
N346S: BOLT SACK  
N342-P: 20" x 4mm PLAIN BLADE | NEW |
| NSD348Y 20" OFFSET SIDE-DRESS COULTER ASSEMBLY without BLADE | Includes:  
NSD346: SIDE-DRESS COULTER SUB-ASSY.  
N345: 1 1/2" x 22" OFFSET COULTER SHANK  
N347: 2 LOCKING COLLAR (30 degree)  
N346S: BOLT SACK | NEW |
| NSD348 w/ N342 20" OFFSET SIDE-DRESS COULTER ASSEMBLY with 20" x 4.5mm RIPPLE BLADE | Includes:  
NSD346: SIDE-DRESS COULTER SUB-ASSY.  
N345: 1 1/2" x 22" OFFSET COULTER SHANK  
N347: 2 LOCKING COLLAR (30 degree)  
N346S: BOLT SACK  
N342: 20" x 4.5mm RIPPLE BLADE | NEW |
| NSD348 w/ N342-R5 20" OFFSET SIDE-DRESS COULTER ASSEMBLY with 20" x 5mm RIPPLE BLADE | Includes:  
NSD346: SIDE-DRESS COULTER SUB-ASSY.  
N345: 1 1/2" x 22" OFFSET COULTER SHANK  
N347: 2 LOCKING COLLAR (30 degree)  
N346S: BOLT SACK  
N342-R5: 20" x 5mm RIPPLE BLADE | NEW |
| NSD348 w/ N342-SE 20" OFFSET SIDE-DRESS COULTER ASSEMBLY with 20" x 4.00mm STRAIGHT-EDGE RIPPLE BLADE | Includes:  
NSD346: SIDE-DRESS COULTER SUB-ASSY.  
N345: 1 1/2" x 22" OFFSET COULTER SHANK  
N347: 2 LOCKING COLLAR (30 degree)  
N346S: BOLT SACK  
N342-SE: 20" x 4.00mm STRAIGHT-EDGE RIPPLE BLADE | NEW |
| NSD348 w/ N342-P 20" OFFSET SIDE-DRESS COULTER ASSEMBLY with 20" x 4.00mm PLAIN BLADE | Includes:  
NSD346: SIDE-DRESS COULTER SUB-ASSY.  
N345: 1 1/2" x 22" OFFSET COULTER SHANK  
N347: 2 LOCKING COLLAR (30 degree)  
N346S: BOLT SACK  
N342-P: 20" x 4mm PLAIN BLADE | NEW |

Clamps are not included with Coulter.

### HEAVY DUTY SIDE-DRESS COULTER ASSEMBLY OPTIONS

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
<th>New</th>
</tr>
</thead>
</table>
| NSD347HDY 20" HEAVY-DUTY (24" LONG) SIDE-DRESS COULTER ASSEMBLY without BLADE | Includes:  
NSD346: SIDE-DRESS COULTER SUB-ASSY.  
N344Y: 1x3 x 24' HEAVY DUTY STRAIGHT COULTER SHANK  
N347: 2 LOCKING COLLAR (30 degree)  
N346S: BOLT SACK | NEW |
| NSD347HD w/ N342 20" HEAVY-DUTY (24" LONG) SIDE-DRESS COULTER ASSEMBLY with 20" x 4.5mm RIPPLE BLADE | Includes:  
NSD346: SIDE-DRESS COULTER SUB-ASSY.  
N344Y: 1x3 x 24" HEAVY DUTY STRAIGHT COULTER SHANK  
N347: 2 LOCKING COLLAR (30 degree)  
N346S: BOLT SACK  
N342: 20" x 4.5mm RIPPLE BLADE | NEW |
| NSD347HD w/ N342-R5 20" HEAVY-DUTY (24" LONG) SIDE-DRESS COULTER ASSEMBLY with 20" x 5mm RIPPLE BLADE | Includes:  
NSD346: SIDE-DRESS COULTER SUB-ASSY.  
N344Y: 1x3x24" HY DUTY STRAIGHT COULTER SHANK  
N347: 2 LOCKING COLLAR (30 degree)  
N346S: BOLT SACK  
N342-R5: 20" x 5.0mm RIPPLE BLADE | NEW |
HEAVY DUTY SIDE-DRESS COULTER ASSEMBLY OPTIONS - Continued

NSD347HD w/ N342-SE 20" HEAVY-DUTY (24"LONG) SIDE-DRESS COULTER with 20” x 4.0mm STRAIGHT-EDGE RIPPLE BLADE

NSD346: SIDE-DRESS COULTER SUB-ASSY.
N344Y: 1x3 x 24” HEAVY DUTY STRAIGHT COULTER SHANK
N347-2: LOCKING COLLAR (30 degree)
N346S: BOLT SACK
N342-SE: 20” x 4.0mm STRAIGHT-EDGE RIPPLE BLADE

NSD347HD w/ N342-P 20" HEAVY-DUTY (24"LONG) SIDE-DRESS COULTER with 20” x 4.0mm PLAIN BLADE

Includes:
NSD346: SIDE-DRESS COULTER SUB-ASSY.
N344Y: 1x3 x 24” HEAVY DUTY STRAIGHT COULTER SHANK
N347-2: LOCKING COLLAR (30 degree)
N346S: BOLT SACK
N342-P: 20” x 4.0mm PLAIN BLADE

NSD347HDLY 20” HEAVY-DUTY (27"LONG) SIDE-DRESS COULTER ASSEMBLY WITHOUT BLADE

Includes:
NSD346: SIDE-DRESS COULTER SUB-ASSY.
N344LY: 1x3 x 27” HEAVY DUTY STRAIGHT COULTER SHANK
N347-2: LOCKING COLLAR (30 degree)
N346S: BOLT SACK

NSD347HDL with N342 20" HEAVY-DUTY (27"LONG) SIDE-DRESS COULTER with 20” x 4.5mm RIPPLE BLADE

Includes:
NSD346: SIDE-DRESS COULTER SUB-ASSY.
N344LY: 1x3 x 27” HEAVY DUTY STRAIGHT COULTER SHANK
N347-2: LOCKING COLLAR (30 degree)
N346S: BOLT SACK
N342: 20” x 4.5mm RIPPLE BLADE

NSD347HDL w/ N342-R5 20" HEAVY-DUTY (27"LONG) SIDE-DRESS COULTER with 20” x 5.0mm RIPPLE BLADE

Includes:
NSD346: SIDE-DRESS COULTER SUB-ASSY.
N344LY: 1x3 x 27” HEAVY DUTY STRAIGHT COULTER SHANK
N347-2: LOCKING COLLAR (30 degree)
N346S: BOLT SACK
N342-R5: 20” x 5.0mm RIPPLE BLADE

NSD347HDL with N342-SE 20" HEAVY-DUTY (27"LONG) SIDE-DRESS COULTER with 20” x 4mm STRAIGHT-EDGE RIPPLE BLADE

NSD346: SIDE-DRESS COULTER SUB-ASSY.
N344LY: 1x3 x 27” HEAVY DUTY STRAIGHT COULTER SHANK
N347-2: LOCKING COLLAR (30 degree)
N346S: BOLT SACK
N342-SE: 20” x 4.0mm STRAIGHT-EDGE RIPPLE BLADE

NSD347HDL with N342-P 20" HEAVY-DUTY (27"LONG) SIDE-DRESS COULTER with 20” x 4.0mm PLAIN BLADE

Includes:
NSD346: SIDE-DRESS COULTER SUB-ASSY.
N344LY: 1x3 x 27” HEAVY DUTY STRAIGHT COULTER SHANK
N347-2: LOCKING COLLAR (30 degree)
N346S: BOLT SACK
N342-P: 20” x 4.0mm PLAIN BLADE

HEAVY DUTY SIDE-DRESS COULTER ASSEMBLY

Note: Injector Assy., Nozzle Holder / Rock Guard Assy. & Knife Mounting Bracket Assy. not included

Clamps Are Not Included With Coulter
### BOLT-ON COULTER INJECTION OPTIONS for N346 SERIES COULTER

**COI100 BOLT-ON SPRING-LOADED STREAM INJECTION BRACKET ASSEMBLY**

- **Includes:**
  - COI100 COULTER INJECTION BRKT WITHOUT INJECTOR NOZZLE ASSEMBLY, TIP & CHECK VALVE
- **Weight:** 12 lbs.

**COI100Y BOLT-ON SPRING-LOADED STREAM INJECTION BRACKET ASSEMBLY with STAINLESS STEEL INJECTOR & POLY CHECK VALVE**

- **Includes:**
  - COI100Y COULTER INJECTION BRACKET ASSEMBLY
  - COI100Y-8Y INJECTOR ASSEMBLY with #15 TIP
  - C-25CV POLY CHECK VALVE
- **Weight:** 13 lbs.

**COI100Y-SS BOLT-ON SPRING-LOADED STREAM INJECTION BRACKET ASSEMBLY with STAINLESS STEEL INJECTOR & STAINLESS STEEL CHECK VALVE**

- **Includes:**
  - COI100Y-SS COULTER INJECTION BRACKET ASSEMBLY
  - COI100Y-8Y INJECTOR ASSEMBLY with #15 TIP
  - CSS-25CV STAINLESS STEEL CHECK VALVE
- **Weight:** 13 lbs.

**COI110 BOLT-ON KNIFE or STREAM INJECTION BRACKET ASSEMBLY FOR N346**

- **Includes:**
  - COI110 BOLT-ON INJECTION BRKT WITHOUT KNIFE or INJECTOR MOUNTING ASSEMBLIES
- **Weight:** 12 lbs.

**COI110 BOLT-ON KNIFE or STREAM INJECTION BRACKET ASSEMBLY with COI200**

- **Includes:**
  - COI110 BOLT-ON KNIFE or STREAM INJECTION BRKT ASSEMBLY
  - COI200 BOLT-ON STREAM INJECTION BRKT WITHOUT INJECTOR
- **Weight:** 14 lbs.

**COI110 BOLT-ON KNIFE or STREAM INJECTION BRACKET ASSEMBLY with COI200Y**

- **Includes:**
  - COI110 BOLT-ON KNIFE or STREAM INJECTION BRKT ASSEMBLY
  - COI200Y BOLT-ON STREAM INJECTION BRKT WITHOUT INJECTOR
  - C-25CV POLY CHECK VALVE
- **Weight:** 14 lbs.

**COI110Y-SS3 BOLT-ON KNIFE INJECTION BRACKET ASSEMBLY**

- **Includes:**
  - COI110Y BOLT-ON INJECTION BRKT ASSEMBLY
  - N393Y BOLT-ON CO-50 KNIFE MOUNTING BRACKET
- **Weight:** 18 lbs.

**COI200 BOLT-ON STREAM INJECTION BRACKET ASSEMBLY**

- **Includes:**
  - COI200 BOLT-ON STREAM INJECTION MOUNTING BRACKET
  - COI200Y BOLT-ON STREAM INJECTION BRKT WITHOUT INJECTOR
- **Weight:** 12 lbs.

**COI200Y BOLT-ON STREAM INJECTION BRACKET ASSEMBLY with POLY CHECK VALVE**

- **Includes:**
  - COI200Y BOLT-ON STREAM INJECTION MOUNTING BRACKET
  - COI200Y-8Y INJECTOR ASSEMBLY with #15 TIP
  - C-25CV POLY CHECK VALVE
- **Weight:** 12 lbs.

**COI200Y-SS BOLT-ON STREAM INJECTION BRACKET ASSEMBLY with S.S. CHECK VALVE**

- **Includes:**
  - COI200Y BOLT-ON STREAM INJECTION MOUNTING BRACKET
  - COI200Y-8Y INJECTOR ASSEMBLY with #15 TIP
  - CSS-25CV S.S. CHECK VALVE
- **Weight:** 12 lbs.
COUPLER STREAM INJECTION OPTIONS FOR NCIK346
SERIES COUPLER & COI110 BRACKET ASSEMBLY

Includes:
COI200 COUPLER INJECTION MOUNTING BRACKET ASSEMBLY
ROCK GUARD / NOZZLE HOLDER BRACKET ASSEMBLY FOR NCIK & COI110

- NOZZLE HOLDER/ROCK GUARD
- 2) FBS0602 3/8" X 1/2" STAINLESS STEEL SET BOLTS
- 1) FH0816-SS 1/2" X 4" S.S. BOLT
- 1) FNJL08-SS 1/2" S.S. JAM LOCKNUT

wt. 2 lbs.

COI200Y COUPLER INJECTION ASSEMBLY with POLY CHECK VALVE
ROCK GUARD / NOZZLE HOLDER BRACKET ASSEMBLY WITH POLY CHECK VALVE

Includes:
COI200Y BOLT-ON COUPLER INJECTION BRACKET ASSEMBLY
COI100-8Y INJECTOR ASSEMBLY with #15 TIP
CSS-25CV POLY CHECK VALVE

wt. 2 lbs.

COI200Y-SS COUPLER INJECTION ASSEMBLY with STAINLESS STEEL CHECK VALVE
ROCK GUARD / NOZZLE HOLDER BRACKET ASSEMBLY WITH SS CHECK VALVE

Includes:
COI200Y BOLT-ON COUPLER INJECTION BRACKET ASSEMBLY
COI100-8Y INJECTOR ASSEMBLY with #15 TIP
CSS-25CV STAINLESS STEEL CHECK VALVE

wt. 2 lbs.

Coulter Injection Nozzle Assembly

** Other tip sizes are available
** May substitute stainless steel check valve- part #CSS-25CV

COI100Y - Coupler Injection Bracket and Nozzle Assembly

| Key | Part No. | Description | Qty | 9 | FWL08-SS | 1/2" Flat Washer | 1
|-----|----------|-------------|-----|---|-----------|-----------------|---
| 1   | COI100-1 | Arm         | 1   | 10| FWL08     | 1/2" Jam Lock Nut| 1
| 2   | COI110-3 | Clamp Plate | 1   | 11| COI100-6  | Nozzle Holder/Rock Guard | 1
| 3   | FW0810   | 1/2" Lock Washer | 3 | 12| FB08002   | 1/8" x 1/2" S.S. Set Screw | 2
| 4   | FWL08    | 1/2" Lock Washer | 3 | 13| CSS-20P25-5 | 1/4" x 5" S.S. Pipe Nipple | 1
| 5   | FH08     | 1/2" Hex Nut  | 3   | 14| CSS-25NB  | 1/4" S.S. Nozzle Body | 1
| 6   | COI100-5 | Hanger Pivot Tod | 1 | *15| CSS-25TIP | S.S. Injector Tip #15 | 1
| 7   | CSSS     | Torsion Spring | 1 | 16| CSS-25CA6 | 1/8" S.S. Cap | 1
| 8   | COI100-4 | Nylon Spacer Bushing | 1 | **17| C-25CV | Diaphragm Check Valve | 1

Page 8 - Jan. 2015
COULTER KNIFE INJECTION for NSD346 SERIES COULTER

N395Y BOLT-ON KNIFE MOUNTING BRACKET ASSY. for NSD346
WITH N395 KNIFE MOUNT, BOLTS & SHIMS for Wiese CO50 KNIFE
Includes:
(1) N395 MOUNTING BRACKET
(1) N393SK (SHIMS) SHIM SET
(2) FBH080D 1/2-13 x 2" DORRLTECH COATED HEX BOLT
(4) FNH08-D 1/2-13 DORRLTECH COATED HEX NUT
(2) FWL08-D 1/2" DORRLTECH SPLIT LOCKWASHER
(3) FWF08-SAE 1/2" SAE FLAT WASHER
(1) N393-E SHIM TUBE
Knife Sold Separately
Wt. 6 lbs.

N396Y BOLT-ON KNIFE/STREAM INJECTION MOUNTING BRACKET ASSY. for NSD346
WITH N396 KNIFE MOUNT, BOLTS & SHIMS for Wiese CO50 KNIFE
Includes:
(1) N396 MOUNTING BRACKET
(1) N393SK (SHIMS) SHIM SET
(2) FBH080D 1/2-13 x 2" DORRLTECH COATED HEX BOLT
(2) FNH08-D 1/2-13 x 3-1/2" DORRLTECH COATED HEX BOLT
(4) FNH08-D 1/2-13 DORRLTECH COATED HEX NUT
(4) PWL08-D 1/2" DORRLTECH SPLIT LOCKWASHER
(3) PWF08-SAE 1/2" SAE FLAT WASHER
(1) N393-E SHIM TUBE
Knife Sold Separately
Wt. 6 lbs.

N396200 BOLT-ON KNIFE/STREAM INJECTION MOUNTING BRACKET ASSY. with CO200
WITH N396 KNIFE MOUNT, BOLTS & CO200
Includes:
(1) N396 MOUNTING BRACKET
(2) FBH080D 1/2-13 x 2" DORRLTECH COATED HEX BOLT
(2) FNH08-D 1/2-13 DORRLTECH COATED HEX NUT
(2) FWL08-D 1/2" DORRLTECH SPLIT LOCKWASHER
(1) CO200 INJECTOR MOUNT
Knife Sold Separately
Wt. 6 lbs.

N396200Y BOLT-ON KNIFE/STREAM INJECTION MOUNTING BRACKET ASSY. with CO200Y
WITH N396 KNIFE MOUNT, BOLTS & CO200Y
Includes:
(1) N396 MOUNTING BRACKET
(2) FBH080D 1/2-13 x 2" DORRLTECH COATED HEX BOLT
(2) FNH08-D 1/2-13 DORRLTECH COATED HEX NUT
(2) FWL08-D 1/2" DORRLTECH SPLIT LOCKWASHER
(1) CO200 INJECTOR MOUNT
(1) CO100-8Y S.S. INJECTOR ASSEMBLY with TIP
(1) CSS-25CV S.S. CHECK VALVE
Knife Sold Separately
Wt. 6 lbs.

N396200Y-SS BOLT-ON KNIFE/STREAM INJECTION MOUNTING BRACKET ASSY. with CO200Y-SS
WITH N396 KNIFE MOUNT, BOLTS & CO200Y-SS
Includes:
(1) N396 MOUNTING BRACKET
(2) FBH080D 1/2-13 x 2" DORRLTECH COATED HEX BOLT
(2) FNH08-D 1/2-13 DORRLTECH COATED HEX NUT
(2) FWL08-D 1/2" DORRLTECH SPLIT LOCKWASHER
(1) CO200 INJECTOR MOUNT
(1) CO100-8Y S.S. INJECTOR ASSEMBLY with TIP
(1) CSS-25CV S.S. CHECK VALVE
Knife Sold Separately
Wt. 6 lbs.

WIESE EXTRA THIN KNIFE

CO50
WIESE EXTRA THIN KNIFE
Front Swept Coultier Knife
Includes:
(1) WIESE EXTRA THIN KNIFE
Mounting Bracket Sold Separately
Wt. 3.3#

CO50104X
WIESE EXTRA THIN KNIFE WITH CHROME INSERTS
Front Swept Coultier Knife
Includes:
(1) WIESE EXTRA THIN KNIFE W/ CHROME INSERTS
Mounting Bracket Sold Separately
Wt. 4.5#
COULTER KNIFE INJECTION for NCIK346 SERIES COULTER

N393Y MOUNTING BRACKET ASSEMBLY for WIESE CO-50 KNIFE

Includes:
- N393 MOUNTING BRACKET
- N393A-D SHIMS
- FBH0814 1/2" X 3 1/2" BOLT
- FBH0810 1/2" X 2 1/2" BOLT
- FBH0807 1/2" X 1 3/4" BOLT
- FNH08 1/2" HEX NUT
- FWL08 1/2" LOCK WASHER
- FWF08-SS 1/2" FLAT WASHER

Shown with optional Wiese CO-50 Knife

Knife Assembly
Mounted on NCIK 346 Series Coulter

N393LY BOLT-ON LONG KNIFE MOUNTING BRACKET ASSEMBLY
WITH N393L KNIFE MOUNT, BOLTS & SHIMS for WIESE CO50 KNIFE

Includes:
- N393L MOUNTING BRACKET
- N393A-D SHIMS
- (1) N393-4 1-1/4" OD x 1/2" ID x 3/4" THICK COLLAR
- (2) FBH0813 1/2" X 3 1/2" BOLT
- (1) FBH0807 1/2" X 1 3/4" BOLT
- (4) FNH08 1/2" HEX NUT
- (4) FWL08 1/2" LOCK WASHER
- (1) FWF08-SS 3/8-16 x 2" S.S. FULL THREAD HEX BOLT
- (2) FNHFL06-SS 3/8"-16 S.S. WHIZ FLANGE HEX NUT
- FBH0608-SS 3/8-16 x 2" S.S. FULL THREAD HEX BOLT
- FWF08-SS 1/2" FLAT WASHER

Knife Assembly

DUCTILE STEEL DEPTH SPOOL

N349-DS - DEPTH SPOOL

- Made from heavy-duty ductile steel to resist damage from rocks and heavy dirt clods.
- Tapered for self-cleaning
- Allows fit of 5" and 5-1/4" four bolt pattern coulter blade applications without adding additional mounting kits.
- Provides consistent coulter and knife depth while protecting bearings from excessive abuse.

Wt. 15.5 lbs.

Item Qty. Description Part No. Item Qty. Description Part No.
1 1 Coulter Swing Arm NCIK347-47 6 1 1/2" Hex bolt x 3-1/4" Lg FBH0813
2 1 Shim Kit M393-A-D 7 1/2" Hex Nut FNH08
3 1 Mfg. Bracket Weld Assembly N393 8 1/2" Lock Washer FWL08
4 1 1/2" Hex Bolt x 1-3/4" Lg FBH0807 9 2 1/2" SAE Flat Washer FWFO-SS
5 1 1/2" Hex Bolt x 12-1/2" Lg FBH0810 10 1 Extra Thin Knife (Wiese) CO-50

Shim Kit / Knife Assembly Diagram
CLAMP ASSEMBLY OPTIONS for ALL COULTERS

**N340Y-44**
4" X 4" CLAMP ASSEMBLY
- Rust-Resistant E-Coated U-Bolts & DORRLETECH coating on nuts and lock washers

**Includes:**
1. N340-1 CLAMP PLATE
2. FBU677 E-COATED 5/8" x 4 1/8" x 7 1/2" U-BOLT
3. N369 CAST CLAMP
4. FNH10-D DORRLETECH COATED 5/8" HEX NUT
5. FWL10-D DORRLETECH COATED 5/8" LOCK WASHER

WT. 9.2#

---

**N340Y-46**
4" X 6" CLAMP ASSEMBLY
- Rust-Resistant E-Coated U-Bolts & DORRLETECH coating on nuts and lock washers

**Includes:**
1. N340-1 CLAMP PLATE
2. FBU677 E-COATED 5/8" x 4 1/8" x 9 1/2" U-BOLT
3. N369 CAST CLAMP
4. FNH10-D DORRLETECH COATED 5/8" HEX NUT
5. FWL10-D DORRLETECH COATED 5/8" LOCK WASHER

WT. 9.5#

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**N367Y-64**
6" X 4" CLAMP ASSEMBLY
- Rust-Resistant E-Coated U-Bolts & DORRLETECH coating on nuts and lock washers

**Includes:**
1. N367-1 CLAMP PLATE
2. FBU678 E-COATED 5/8" x 4 1/8" x 9 1/2" U-BOLT
3. N369 CAST CLAMP
4. FNH10-D DORRLETECH COATED 5/8" HEX NUT
5. FWL10-D DORRLETECH COATED 5/8" LOCK WASHER

WT. 10.5#

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**N367Y-75**
7" X 5" CLAMP ASSEMBLY
- Rust-Resistant E-Coated U-Bolts & DORRLETECH coating on nuts and lock washers

**Includes:**
1. N367-1 CLAMP PLATE
2. FBU679 E-COATED 5/8" x 6 1/8" x 7 1/2" U-BOLT
3. N369 CAST CLAMP
4. FNH10-D DORRLETECH COATED 5/8" HEX NUT
5. FWL10-D DORRLETECH COATED 5/8" LOCK WASHER

WT. 11.5#

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**N367Y-77**
7" X 7" CLAMP ASSEMBLY
- Rust-Resistant E-Coated U-Bolts & DORRLETECH coating on nuts and lock washers

**Includes:**
1. N367-1 CLAMP PLATE
2. FBU680 E-COATED 5/8" x 7 1/8" x 8 1/2" U-BOLT
3. N369 CAST CLAMP
4. FNH10-D DORRLETECH COATED 5/8" HEX NUT
5. FWL10-D DORRLETECH COATED 5/8" LOCK WASHER

WT. 12.5#

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**ANTI-TWIST CLAMP ASSEMBLIES**

**N367AT6Y-64**
ANTI-TWIST COULTER CLAMP for 6 X 4 TOOLBAR

**Includes:**
1. N367ATE 6" ANTI-TWIST CLAMP PLATE
2. FBU681 E-COATED 5/8" x 6 1/8" x 7 1/2" U-BOLT
3. N369 CAST CLAMP
4. FNH10-D DORRLETECH COATED 5/8" HEX NUT
5. FWL10-D 5/8" DORRLETECH SPLIT LOCK WASHER

WT. 12.8#

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**N367AT7Y-75**
ANTI-TWIST COULTER CLAMP for 7 X 5 TOOLBAR

**Includes:**
1. N367AT7 7" ANTI-TWIST CLAMP PLATE
2. FBU682 E-COATED 5/8" x 7 1/8" x 8 1/2" U-BOLT
3. N369 CAST CLAMP
4. FNH10-D 5/8-11 DORRLETECH COATED HEX NUT
5. FWL10-D 5/8" DORRLETECH SPLIT LOCK WASHER

WT. 12.8#

---

**N367AT7Y-77**
ANTI-TWIST COULTER CLAMP for 7 X 7 TOOLBAR

**Includes:**
1. N367AT7 7" ANTI-TWIST CLAMP PLATE
2. FBU683 E-COATED 5/8-11 x 7 1/8" x 10 1/2" U-BOLT
3. N369 CAST CLAMP
4. FNH10-D 5/8-11 DORRLETECH COATED HEX NUT
5. FWL10-D 5/8" DORRLETECH SPLIT LOCK WASHER

WT. 13.5#
1 x 3 SHANK ANTI-TWIST CLAMP ASSEMBLIES

**N3764Y**
1X3 SHAKE ANTI-TWIST COULTER CLAMP for 6 X 4 TOOLBAR
Includes:
1. CLAMP PLATE for 1X3 SHANK ASSEMBLY
2. FB666 5/8-11 x 6-1/8 x 5-1/2" E-COATED SQUARE U-BOLT
3. FWL08-D 5/8" DORRLTECH LOCK WASHER
4. FH081-D 1/2-13 x 2-1/2" DORRLTECH HEX BOLT
5. FH08-H 1/2-13 DORRLTECH HEX NUT
WT. 18.4#

**N3775Y**
1X3 SHAKE ANTI-TWIST COULTER CLAMP for 7 X 5 TOOLBAR
Includes:
1. CLAMP PLATE for 1X3 SHANK ASSEMBLY
2. FB670 5/8-11 x 7-1/8 x 6-1/4" E-COATED SQUARE U-BOLT
3. FWL08-D 5/8" DORRLTECH LOCK WASHER
4. FH081-D 1/2-13 x 2-1/2" DORRLTECH HEX BOLT
5. FH08-H 1/2-13 DORRLTECH HEX NUT
WT. 18.4#

**N3777Y**
1X3 SHAKE ANTI-TWIST COULTER CLAMP for 7 X 7 TOOLBAR
Includes:
1. CLAMP PLATE for 1X3 SHANK ASSEMBLY
2. FB680 5/8-11 x 7-1/8 x 8-1/4" E-COATED SQUARE U-BOLT
3. FWL08-D 5/8" DORRLTECH LOCK WASHER
4. FH081-D 1/2-13 x 2-1/2" DORRLTECH HEX BOLT
5. FH08-H 1/2-13 DORRLTECH HEX NUT
WT. 19#

**N-368 CLAMP ASSEMBLY OPTIONS**

**N341Y-25**
COULTER CLAMP for 2-1/2" x 2-1/2" TOOLBAR
Includes:
1. CLAMP PLATE
2. N368 DRILLED CAST CLAMP
3. FB104 ZINC PLATED 5/8-11 x 1" SET BOLT
4. FWL08-ZINC PLATED 1/2" SPLIT LOCK WASHER
5. FH08-ZINC PLATED 1/2-13 x 7" GR. 5 BOLT
N-368 Cast Clamp Shown
WT. 12.5#

**N341Y-33**
COULTER CLAMP for 3 X 3 BAR
Includes:
1. CLAMP PLATE
2. N368 DRILLED CAST CLAMP
3. FB104 ZINC PLATED 5/8-11 x 1" SET BOLT
4. FWL08-ZINC PLATED 1/2" SPLIT LOCK WASHER
5. FH08-ZINC PLATED 1/2-13 x 7" GR. 5 BOLT
N-368 Cast Clamp Shown
WT. 12.5#

**N341Y-44**
COULTER CLAMP for 4 X 4 BAR
Includes:
1. CLAMP PLATE
2. N368 DRILLED CAST CLAMP
3. FB104 ZINC PLATED 5/8-11 x 1" SET BOLT
4. FWL08-ZINC PLATED 1/2" SPLIT LOCK WASHER
5. FH08-ZINC PLATED 1/2-13 x 8" GR. 5 BOLT
N-368 Cast Clamp Shown
WT. 13#
### N-341 CLAMP ASSEMBLY OPTIONS - Continued

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<th>Model</th>
<th>Description</th>
<th>Includes</th>
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<tbody>
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<td>N341Y-46</td>
<td>COULTER CLAMP for 4 X 6 BAR</td>
<td>(2) N341Y-46 CLAMP PLATE&lt;br&gt;(2) N368 DRILLED CAST CLAMP&lt;br&gt;(2) FBH0104 ZINC PLATED 5/8-11 x 1&quot; SET BOLT&lt;br&gt;(4) FWL0104 ZINC PLATED 1/2&quot; SPLIT LOCK WASHER&lt;br&gt;(4) FBS1004 ZINC PLATED 1/2-13 HEX NUT ZINC PLATED&lt;br&gt;(4) FNH0104 ZINC PLATED 1/2-13 x 10&quot; GR. 5 BOLT</td>
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<td>N-368 Cast Clamp Shown</td>
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<td>COULTER CLAMP for 5 X 3 BAR</td>
<td>(2) N341Y-53 CLAMP PLATE&lt;br&gt;(2) N368 DRILLED CAST CLAMP&lt;br&gt;(2) FBH0104 ZINC PLATED 5/8-11 x 1&quot; SET BOLT&lt;br&gt;(4) FWL0104 ZINC PLATED 1/2&quot; SPLIT LOCK WASHER&lt;br&gt;(4) FBS1004 ZINC PLATED 1/2-13 HEX NUT ZINC PLATED&lt;br&gt;(4) FNH0104 ZINC PLATED 1/2-13 x 7&quot; GR. 5 BOLT</td>
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<td>N-368 Cast Clamp Shown</td>
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<td>COULTER CLAMP for 5 X 7 BAR</td>
<td>(2) N341Y-57 CLAMP PLATE&lt;br&gt;(2) N368 DRILLED CAST CLAMP&lt;br&gt;(2) FBH0104 ZINC PLATED 5/8-11 x 1&quot; SET BOLT&lt;br&gt;(4) FWL0104 ZINC PLATED 1/2&quot; SPLIT LOCK WASHER&lt;br&gt;(4) FBS1004 ZINC PLATED 1/2-13 HEX NUT ZINC PLATED&lt;br&gt;(4) FNH0104 ZINC PLATED 1/2-13 x 11&quot; GR. 5 BOLT</td>
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<td>N-368 Cast Clamp Shown</td>
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</tr>
<tr>
<td>N341Y-64</td>
<td>COULTER CLAMP for 6 X 4 BAR</td>
<td>(2) N341Y-64 CLAMP PLATE&lt;br&gt;(2) N368 DRILLED CAST CLAMP&lt;br&gt;(2) FBH0104 ZINC PLATED 5/8-11 x 1&quot; SET BOLT&lt;br&gt;(4) FWL0104 ZINC PLATED 1/2&quot; SPLIT LOCK WASHER&lt;br&gt;(4) FBS1004 ZINC PLATED 1/2-13 HEX NUT ZINC PLATED&lt;br&gt;(4) FNH0104 ZINC PLATED 1/2-13 x 8&quot; GR. 5 BOLT</td>
<td>15#</td>
</tr>
<tr>
<td></td>
<td></td>
<td>N-368 Cast Clamp Shown</td>
<td></td>
</tr>
<tr>
<td>N341Y-66</td>
<td>COULTER CLAMP for 6 X 6 BAR</td>
<td>(2) N341Y-66 CLAMP PLATE&lt;br&gt;(2) N368 DRILLED CAST CLAMP&lt;br&gt;(2) FBH0104 ZINC PLATED 5/8-11 x 1&quot; SET BOLT&lt;br&gt;(4) FWL0104 ZINC PLATED 1/2&quot; SPLIT LOCK WASHER&lt;br&gt;(4) FBS1004 ZINC PLATED 1/2-13 HEX NUT ZINC PLATED&lt;br&gt;(4) FNH0104 ZINC PLATED 1/2-13 x 10&quot; GR. 5 BOLT</td>
<td>15#</td>
</tr>
<tr>
<td></td>
<td></td>
<td>N-368 Cast Clamp Shown</td>
<td></td>
</tr>
<tr>
<td>N341Y-75</td>
<td>COULTER CLAMP for 7 X 5 BAR</td>
<td>(2) N341Y-75 CLAMP PLATE&lt;br&gt;(2) N368 DRILLED CAST CLAMP&lt;br&gt;(2) FBH0104 ZINC PLATED 5/8-11 x 1&quot; SET BOLT&lt;br&gt;(4) FWL0104 ZINC PLATED 1/2&quot; SPLIT LOCK WASHER&lt;br&gt;(4) FBS1004 ZINC PLATED 1/2-13 HEX NUT ZINC PLATED&lt;br&gt;(4) FNH0104 ZINC PLATED 1/2-13 x 9&quot; GR. 5 BOLT</td>
<td>16.5#</td>
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<td>N-368 Cast Clamp Shown</td>
<td></td>
</tr>
<tr>
<td>N341Y-77</td>
<td>COULTER CLAMP for 7 X 7 BAR</td>
<td>(2) N341Y-77 CLAMP PLATE&lt;br&gt;(2) N368 DRILLED CAST CLAMP&lt;br&gt;(2) FBH0104 ZINC PLATED 5/8-11 x 1&quot; SET BOLT&lt;br&gt;(4) FWL0104 ZINC PLATED 1/2&quot; SPLIT LOCK WASHER&lt;br&gt;(4) FBS1004 ZINC PLATED 1/2-13 HEX NUT ZINC PLATED&lt;br&gt;(4) FNH0104 ZINC PLATED 1/2-13 x 11&quot; GR. 5 BOLT</td>
<td>17#</td>
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<tr>
<td></td>
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<td>N-368 Cast Clamp Shown</td>
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</table>
# 20” Coulter Blades (On-Hand)

<table>
<thead>
<tr>
<th>Blade Code</th>
<th>Description</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>N342</td>
<td>20&quot; x 4.5mm Ripple Blade</td>
<td>14.7#</td>
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<tr>
<td>N342-R5</td>
<td>20&quot; x 5.0mm Ripple Blade</td>
<td>NEW</td>
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<tr>
<td>N342-SE</td>
<td>20&quot; x 4.0mm Smooth Edge Ripple Blade</td>
<td>16#</td>
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<tr>
<td>N342-P</td>
<td>20&quot; x 4.0mm Plain Blade</td>
<td>12.8#</td>
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# 17” Coulter Blades (On-Hand)

<table>
<thead>
<tr>
<th>Blade Code</th>
<th>Description</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>N339-R</td>
<td>17&quot; x 4.5mm Ripple Blade</td>
<td>9.7#</td>
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</table>

# Coulter Blades (Order Only)

<table>
<thead>
<tr>
<th>Blade Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>N342-N</td>
<td>20&quot; x 4.5mm Notched Blade</td>
<td>12.6#</td>
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<tr>
<td>N342-W</td>
<td>20&quot; x 4.5mm Wavy Blade</td>
<td>14.4#</td>
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<tr>
<td>N352-P</td>
<td>24&quot; x 4.5mm Plain Blade</td>
<td>12.8#</td>
</tr>
<tr>
<td>N338</td>
<td>18&quot; x 3.5mm Notched Disk Blade</td>
<td>8.6#</td>
</tr>
<tr>
<td>Item</td>
<td>PART NO.</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>------</td>
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<tr>
<td>1</td>
<td>N347-47</td>
<td>SWING ARM with HUB ASSY.</td>
</tr>
<tr>
<td>2</td>
<td>W23Y</td>
<td>HUB ASSY.</td>
</tr>
<tr>
<td></td>
<td>*</td>
<td>includes (W23-K, W32 &amp; W50)</td>
</tr>
<tr>
<td>3</td>
<td>W310</td>
<td>1-1/8&quot; X 4-1/16&quot; SPINDLE</td>
</tr>
<tr>
<td></td>
<td>*</td>
<td>includes (W310, W70, W60 &amp; FPC497)</td>
</tr>
<tr>
<td>4</td>
<td>N342</td>
<td>20&quot; RIPPLED COULTER BLADE</td>
</tr>
<tr>
<td>5</td>
<td>FWL08</td>
<td>1/2&quot; LOCK WASHER</td>
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<tr>
<td>6</td>
<td>FNH08</td>
<td>1/2&quot; HEX NUT</td>
</tr>
<tr>
<td>7</td>
<td>N347-1</td>
<td>HINGE CASTING</td>
</tr>
<tr>
<td>8</td>
<td>N347-3</td>
<td>COULTER SPRING</td>
</tr>
<tr>
<td>9</td>
<td>FN12</td>
<td>3/4&quot; LOCK NUT</td>
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<tr>
<td>10</td>
<td>N347-6</td>
<td>FLANGED RUSING</td>
</tr>
<tr>
<td>11</td>
<td>FNW18</td>
<td>1-1/4&quot; X 1/16&quot; MACHINE BUSHING</td>
</tr>
<tr>
<td>12</td>
<td>FPC505</td>
<td>1/4&quot; X 2&quot; COTTER PIN</td>
</tr>
<tr>
<td>13</td>
<td>FBH1212-NF</td>
<td>3/4&quot; X 3&quot; HEX BOLT (fine thread)</td>
</tr>
<tr>
<td>14</td>
<td>N347-7</td>
<td>NYLON BUSHING</td>
</tr>
<tr>
<td>15</td>
<td>N347-5</td>
<td>SPRING ROD</td>
</tr>
<tr>
<td>16</td>
<td>FNH12-NF</td>
<td>3/4&quot; HEX NUT (fine thread)</td>
</tr>
<tr>
<td>17</td>
<td>FN12-NF</td>
<td>3/4&quot; LOCK NUT (fine thread)</td>
</tr>
<tr>
<td>18</td>
<td>N347-2</td>
<td>LOCKING COLLAR</td>
</tr>
<tr>
<td>19</td>
<td>FBS1004</td>
<td>1/8&quot; X 1 1/2&quot; SET BOLT</td>
</tr>
<tr>
<td>20</td>
<td>FPC510</td>
<td>5/16&quot; X 3&quot; COTTER PIN</td>
</tr>
<tr>
<td>21</td>
<td>N343</td>
<td>1-1/2&quot; X 22&quot; STRAIGHT SHAFT</td>
</tr>
<tr>
<td>22</td>
<td>FPR0612</td>
<td>3/8&quot; X 2 1/2&quot; ROLL PIN</td>
</tr>
<tr>
<td>23</td>
<td>N345</td>
<td>1-1/2&quot; X 22&quot; OFFSET SHAFT (optional)</td>
</tr>
</tbody>
</table>
### PART NO. DESCRIPTION

* W40-2 GREASE SEAL (2-PIECE AFTER 2001)  
1 W40-2A METAL BACKER PLATE  
2 W40-2B RUBBER SEAL  
* W40 GREASE SEAL (1 PIECE BEFORE 2001)  
3 W32 BEARING (LM-67048)  
4 W38 RACE (LM-67010)  
5 W23 COULTER HUB (WITHOUT RACES)  
* W23-K (W/ RACES) COULTER HUB (WITH RACES)  
6 W70 5/8" THRUST WASHER  
7 W60 5/8" SPINDLE NUT  
8 FPC497 1/8" X 1 1/4" COTTER PIN  
9 W50 HUB CAP

---

### Coulter Injection Assembly

<table>
<thead>
<tr>
<th>Key</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Coulter Swing Arm</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Rock Guard</td>
<td>1</td>
</tr>
<tr>
<td>* 3</td>
<td>5/8&quot; Hex Bolt x 4&quot; Lg</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>1/2&quot; Hex Bolt x 4&quot; Lg</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>1/2&quot; Hex Jam Nut</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>1/2&quot; Hex Jam Lock Nut</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>SS Check Valve</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>SS Nipple 1/4&quot; NPT x 5&quot; Lg</td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>SS Nozzle Body</td>
<td>1</td>
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<tr>
<td>10</td>
<td>SS Tip</td>
<td>1</td>
</tr>
<tr>
<td>11</td>
<td>SS Nozzle Cap</td>
<td>1</td>
</tr>
</tbody>
</table>

---

**W23Y 4-BOLT HUB ASSEMBLY**

---

**Coulter Injection Assembly**
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>N230Y-18ND</td>
<td>Double Disk Sealer with 18&quot; Notched Disk Blades</td>
<td>Cast bronze bushings at pivot points.</td>
</tr>
<tr>
<td>N230HDY-18ND</td>
<td>Heavy Duty Double Disk Sealer with 18&quot; Notched Disk Blades</td>
<td>Tapered bearings at pivot points.</td>
</tr>
<tr>
<td>N2302Y-18ND</td>
<td>Rear Mount Double Disk Sealer with 18&quot; Notched Disk Blades</td>
<td>Cast bronze bushings at pivot points, Mounts to shank with (3) 1/2&quot; U-Bolts</td>
</tr>
<tr>
<td>N2302HDY-18ND</td>
<td>Rear Mount, Heavy Duty Double Disk Sealer with 18&quot; Notched Disk Blades</td>
<td>Tapered bearings at pivot points, Mounts to shank with (3) 1/2&quot; U-Bolts</td>
</tr>
</tbody>
</table>

New Option: Coulter Anhydrous Shank
Clamp Assembly - Call for Pricing

Mounts to 1" x 2" Applicator Shanks
### N230 DOUBLE DISK SEALER WITH 18” NOTCHED BLADES

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Features</th>
</tr>
</thead>
</table>
| N2302HDY-18ND1U | REAR MOUNT HEAVY DUTY DOUBLE DISK SEALER with 18” NOTCHED DISK BLADES with FBU653 U-BOLT for 1-1/4” x 2” EDGE-ON ANHYDROUS SHANK | - Rear Mount  
  - Heavy-duty  
  - Tapered Bearings at pivot points |
| N230Y-18ND2U | SIDE-DRESS DOUBLE DISK SEALER with 18” NOTCHED DISK BLADES with U-BOLTS for 1” x 2” & 1-1/4” x 2” EDGE-ON ANHYDROUS SHANK | - Side-Dress  
  - Cast bronze bushings at pivot points |
| N2302Y-18ND2U | REAR MOUNT DOUBLE DISK SEALER with 18” NOTCHED DISK BLADES with U-BOLTS for 1” x 2” & 1-1/4” x 2” EDGE-ON ANHYDROUS SHANK | - Rear Mount  
  - Cast bronze bushings at pivot points  
  - Mounts to shank with (3) 1/2” U-Bolts |

- Heavy-duty with minimal maintenance  
- Bronze bushings at pivot points  
- Quality laser cut parts  
- Sealed hub prevents water from getting into bearings  
- Easily mounts on most toolbars  
- Multiple adjustments for angle and width
Clark Agricultural Division of Clymer Coulter Enterprises has grown into an international supplier of quality commercial fertilizer application including:

- Nitrogen fertilizer injection systems
- Liquid fertilizer injectors
- Coulter assembly parts - side-dress and utility
- Disc sealers and notched disc blades
- Replacement coulter blades
- Coulter blades: Smooth-Edge-Ripple, Ripple, Wavy, Plain
- Coulter knife assemblies
- Farm implement clamps for any manufacturer's agricultural implement or farm toolbar
- Sealed hub assemblies to prevent water & fertilizer from getting into bearings

Assembled in America, Heavy-duty spring loaded stream injection systems for coulter blades make commercial fertilizer application reliable planting season after planting season.