

Fertilizer Knives

ShieldAg manufactures the widest variety of fertilizer knives in the Midwest. We offer side mount, chisel plow, field cultivator and Acra-Plant minimum disturbance fertilizer knives.

ShieldAg NH₃ knives are superior in quality and workmanship; made of tempered alloy steel, heat treated and oil quenched for added strength and durability.



DF-1 Deep Furrow Knife

The Deep Furrow Knife has excellent sealing characteristics, and has a chromium carbide shattering point and tube protector. It works well in heavy trash and all types of soil.



K-4TSBS Backswept Knife

The only backswept knife with chrome carbide V-slice edge. Available in 14" or 17" length.



K-4T 1/2" Universal Knife

This side mount knife has a chromium carbide front point and tube protector. The forward swept design allows NH₃ to discharge further forward causing less loss of gas through excellent sealing.



K-2T 1/2" Upright Knife

Upright in design, with a chromium carbide point and tube saver.



K-4TS Narrow Profile 3/8" Knife

This side mount knife has a chromium carbide front point and tube protector. This is one of the narrowest profile fertilizer knives on the market and is a great choice for coultter rigs.



CPK-1 Chisel Plow Knife

Dual function knife. Save one pass, chisel and apply NH₃ at the same time. Heaviest chromium carbide point in the industry.

- Combination tubes available on any basic knife platform
- K-2T, K-4T & DF-1 available in 20" tall "strip till" configuration with full chrome protection to 10" working depth
- We make dozens of "specials" — ask your account manager for knives tailored to your conditions

Deep Furrow Knives

New Addition to ShieldAg's DF-1 Deep Furrow Knives

3/8" Anhydrous Tube, 1-1/2" Dry Tube

Perfect fit on DMI and other strip till bars

DF-1/112DA

- Highest level of chrome content in the knife tip for long wear and optimum performance throughout the life of the knife
- "Wear Sharp" chrome carbide design
- All welds protected from dirt flow to avoid premature weld failure
- Front chrome profile specifically developed to reduce soil flow up the shank
- Maximum protection of the gas discharge port
- Abrasion-resistant Stainless Steel side plates protect the 1-1/2" dry tube
- Velocity-trap at dry exit port to minimize blowout

Also Available in DF-1T 20" tall strip till knife



DF-1/112DA

DF-112/3/4DA Dry Application Knife with Vapor Tube

- These are great knives for fall P-K programs
- Get excellent nutrient banding and optimum fracture/shattering action

Available as options:

- 3/8" Vapor Tube
- 1/2" Liquid (or anhydrous) Tube
- Up to three tubes, including the 1-1/2" dry tube
- 1-1/4" tubing available for Flexi-Coil units
- 20" tall strip till configuration with full chrome protection up to 10" on the front of the shank



DF-112/3/4DA

ShieldAg can *customize* your Liquid Applicator for improved placement of your liquid program

Waste fewer chemicals and incorporate without a tillage pass — *really* inject your liquid using your existing coulters rig.

Just replace those finicky injectors with ShieldAg Thin Chrome Knives, featuring:

- One-Piece Chromium Carbide knife design, modified for added toughness
- “Wear sharp” alloy will provide optimum performance throughout the life of the knife
- 2–4 times the wear life of a heat-treated steel knife
- Front Swept design for close contact with most coulters—reduces hairpinning of residue



K-5S

Thin Chrome knife For Ag Systems (and others)
Coulter Injection Systems Comes with UHMW cushions
To minimize impact damage

K-33607014C

Thin Chrome knife for DMI
Coulter Rigs, slotted to accommodate
various coulters sizes



K-4TS Slim Front Swept Knife

- 3/8" thick for minimum disturbance
- Wear sharp chrome carbide
- Three hole punch to fit most applicators
- Economical start for minimum till plans

Available with sealer plate (beavertail) and in multi-tube configurations

CPK-1 Chisel Plow Knife

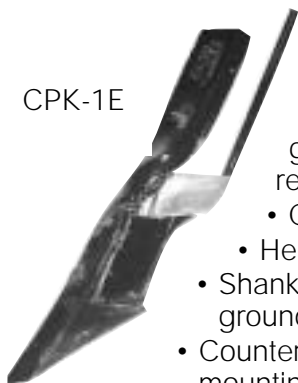
Another Product Innovation from ShieldAg!

Our new ShieldAg CPK-1 Chisel Plow Knife featuring countersunk mounting hole and slot is shown here with our integral 3/8" anhydrous tube; it is also available with 1/2" tube or any combination of 3/8" and 1/2" tubes for dual application.

The countersunk hole and slot will accommodate any chisel plow shank with hole centers from 1 3/4" to 2 1/2" apart.

No-Till/Min-Till Enhancement Available for ShieldAg CPK-1 Chisel Plow Knife

Trash Guard welds to shank and tube for improved protection in heavy stubble and for deeper running depths.



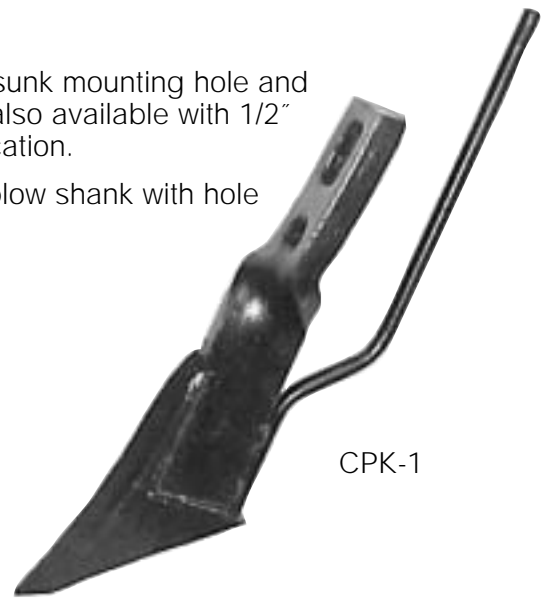
CPK-1E

Stainless steel for long wear life and maximum protection against tube breakage and premature wear on fertilizer tube.

The ShieldAg twisted shank CPK-1E chisel plow knife features this optional enhancement to reduce stubble hang-ups on the fertilizer tube. The stainless guard is installed on the "twist in" side of the shank — the side that naturally guides residue and dirt into the tube area.

- Chromium-manganese steel shank, heat treated and tempered
- Heaviest chrome carbide point in the industry
- Shank formed at the highest temperature to eliminate shank fracture in the toughest ground conditions
- Countersunk mounting bolts to minimize hairpinning and allow for the use of plow bolt mounting hardware

Ask your account manager about the new ShieldAg CPK-1E enhanced chisel plow knife — one of several ways we can help your customers put down fertilizer with their chisel plows.



CPK-1

As a ShieldAg Distributor you can also get replaceable point Acra-Plant Chisel Plow Anhydrous knives. Ask your account manager for details.

ShieldAg Standard Fertilizer Knives

DF-1 Deep Furrow Knives

Part #	Description
DF-1	Single 3/8" NH3 tube
DF-1/O	Single 3/8" open end tube
DF-1/1/2A	Single 1/2" NH3 tube
DF-1/1/2A/1/2DA	Dual 1/2" NH3 & 1/2" open end tubes
DF-1/1/2A/3/4DA	Dual 1/2" NH3 & 3/4" open end tubes
DF-1/112DA	Dual 3/8" NH3 & 1-1/2" dry tubes
DF-1/2DA	Dual 3/8" NH3 & 1/2" open end tubes
DF-1/3/4DA	Dual 3/8" NH3 & 3/4" open end tubes
DF-1/DA	Dual 3/8" NH3 & 3/8" open end tubes
DF-1/WOT	No tube with single tube saver
DF-1/WOTDA	No tube with dual tube saver
DF-1/WOTS	No tube, no tube saver



Replacement Parts for DF-1 Deep Furrow Knives

Part #	Description
DF1P	Knife point
DNC-200	Single tube saver
DNC-202	Dual tube saver
TB-2/DF	3/8" tube drilled
TB-2/O	3/8" tube open end
K2TB1/2A	1/2" tube drilled
K2TB1/2A/O	1/2" tube open end
K2TBDA3/4	3/4" tube open end
K4TB112DA	1-1/2" dry tube



*Also available in 20" tall "strip till" configuration

**ShieldAg DF-1 the industry's choice for fertilizer placement
and subsoil tillage in one pass**

ShieldAg Standard Fertilizer Knives

K-4T 1/2" Forward Swept Knives



Part #	Description
K-4T	Single 3/8" NH3 tube
K-4T/O	Single 3/8" open end tube
K-4T/1/2	Single 1/2" open end tube
K-4T/1/2/HFSPL	Single 1/2" open end tube with hardfaced sealer
K-4T/1/2A	Single 1/2" NH3 tube
K-4T/1/2A/HFSPL	Single 1/2" NH3 tube with hardfaced sealer
K-4T/1/2A/PLSPL	Single 1/2" NH3 tube with plain sealer
K-4T/1/2DA	Dual 3/8" NH3 & 1/2" open end tubes
K-4T/1/2DA/HFSPL	Dual 3/8" NH3 & 1/2" open end tubes with hardfaced sealer
K-4T/3/4DA	Dual 3/8" NH3 & 3/4" open end tubes
K-4TDA	Dual 3/8" NH3 & 3/8" open end tubes
K-4T/DA/HFSPL	Dual 3/8" NH3 & 3/8" open end tubes with hardfaced sealer
K-4T/DA/PLSPL	Dual 3/8" NH3 & 3/8" open end tubes with plain sealer
K-4T/HFSPL	Single 3/8" tube with hardfaced sealer
K-4T/PLSPL	Single 3/8" tube with plain sealer

Replacement Parts for K-4T Knives

Part #	Description
IOE	Knife point
DNC-200	Single tube saver
DNC-202	Dual tube saver
TB-4	3/8" tube drilled
TB-2/O	3/8" tube open end
K4TB1/2	1/2" tube open end
K2TB/1/2A	1/2" tube drilled
K4TB.5DA	1/2" tube open end
K2TBDA3/4	3/4" tube open end
SPL-4/HF	Hardfaced sealer, will fit single & dual app tubes to 1/2"
SPL-4NEW	Plain sealer, will fit single & dual app tubes to 1/2"

*Also available in 20" tall "strip till" configuration

ShieldAg K-4T front swept design offers great sealing characteristics

ShieldAg Standard Fertilizer Knives

K-4TS 3/8" Forward Swept Narrow Profile (Slim) Knives

Part #	Description
K-4TS	Single 3/8" NH3 tube
K-4TS/1/2A	Single 1/2" NH3 tube
K-4TS/1/2A/PLSPL	Single 1/2" NH3 tube with sealer
K-4TS/1/2DA	Dual 3/8" NH3 & 1/2" open end tubes
K-4TS/3/4DA	Dual 3/8" NH3 & 3/4" open end tubes
K-4TS/DA	Dual 3/8" NH3 & 3/8" open end tubes
K-4TS/DA/PLSPL	Dual 3/8" NH3 & 3/8" open end tubes with sealer
K-4TS/HFSPL	Single 3/8" NH3 tube with hardfaced sealer
K-4TS/PLSPL	Single 3/8" NH3 tube with sealer
K-4TS/PLSPL/LOWER	Single 3/8" NH3 tube with sealer lower position



Replacement Parts for K-4TS Knives

Part #	Description
716S	Knife point
100S	Single tube saver
K4STB	3/8" tube drilled
K4STB1/2A	1/2" tube drilled
K4TB.5DA	1/2" tube open end
K2TBDA3/4	3/4" tube open end
TB-2/O	3/8" tube open end
SPL-4SNEW	Plain sealer
SPL-4S/HF	Hardfaced sealer

K-4TS slim knives are an economical choice for coultter rigs

K-4TSBS 3/8" Backswept Knife

Part #	Description
K-4TSBS	14" Backswept knife with 3/8" tube
K-4TSBSS	14" Backswept knife with 3/8" stainless tube
K-4TTSBSS	17" Backswept knife with 3/8" stainless tube



Stainless steel tubes are available as an option for any ShieldAg knife.

ShieldAg Standard Fertilizer Knives



K-2T 1/2" Upright Knives

Part #	Description
K-2T	Single 3/8" NH3 tube
K-2T/O	Single 3/8" open end tube
K-2T/1/2A	Single 1/2" NH3 tube
K-2T/1/2A/O	Single 1/2" open end tube
K-2T/1/2A/PLSPL	Single 1/2" NH3 tube with sealer
K-2T/1/2A/PLSPL/LOWER	Single 1/2" NH3 tube with sealer lower position
K-2T/1/2A/1/2DA	Dual 1/2" NH3 & 1/2" open end tubes
K-2T/1/2A1/2DA/PLSPL	Dual 1/2" NH3 & 1/2" open end tubes with sealer
K-2T/1/2DA	Dual 3/8" NH3 & 1/2" open end tubes
K-2T/1/2DA/PLSPL	Dual 3/8" NH3 & 1/2" open end tubes with sealer
K-2T/3/4DA	Dual 3/8" NH3 & 3/4" open end tubes
K-2T/3/4DA/PLSPL	Dual 3/8" NH3 & 3/4" open end tubes with sealer
K-2T/DA	Dual 3/8" NH3 & 3/8" open end tubes
K-2T/DA/PLSPL	Dual 3/8" NH3 & 3/8" open end tubes with sealer
K-2T/PLSPL	Single 3/8" NH3 tube with sealer
K-2T/PLSPL/LOWER	Single 3/8" NH3 tube with sealer lower position
K-2T/WOTS	No tube with single tube saver
K-2TS	Single 3/8" NH3 stainless tube
K-2TS1/2	Single 1/2" open end stainless tube

Replacement Parts for K-2T Knives

Part #	Description
500	Knife point
DNC-200	Single tube saver
DNC-202	Dual tube saver
TB-3	3/8" tube drilled
TB-2/O	3/8" tube open end
K2TB1/2A	1/2" tube drilled
K2TB1/2A/O	1/2" tube open end
K2TBDA3/4	3/4" tube open end
SPL-4NEW	Sealer, will fit single & dual app tubes to 1/2"
SPL-4DANEW	Sealer, will fit 3/4" dual application

*Also in 20" tall "strip till" configuration

ShieldAg Knives — minimum surface disturbance with upright design

ShieldAg Standard Fertilizer Knives

Chisel Plow Knives

Part #	Description
CPK-1	Single 3/8" NH3 tube
CPK-1/1/2A	Single 1/2" NH3 tube
CPK-1/1/2A/1/2DA	Dual 1/2" NH3 & 1/2" open end tubes
CPK-1/DA	Dual 3/8" NH3 & 3/8" open end tubes
CPK-1/WOT	No tubes
CPK-1E	Single 3/8" NH3 tube w/ trash guard
CPK-1E/DA	Dual 3/8" NH3 & 3/8" open end tubes w/trash guard
CPK-1M	Single 3/8" micronutrient tube
CPK-1S	Single 3/8" NH3 stainless tube



Replacement Parts for Chisel Plow Knives

Part #	Description
CPK1P	Knife point
TB-CPK1	3/8" tube crimped/drilled
TB-CPK1/1/2A	1/2" tube crimped/drilled
CPK1E	Trash guard



**ShieldAg chisel plow knives offer the heaviest
chrome point in the industry**

Ask us about Acra-Plant chisel plow knives with replaceable points