



NORWEST

MANUFACTURING

71 SOUTH 215 WEST-RUPERT, ID- PHONE: (208) 436-1770 - FAX: (208) 436-1776

SECTION 100

TILLAGE

COTTON & 12 SERIES SWEEPS



CHISEL PLOW & PENETRATOR SWEEPS



ECONOMY & PEANUT SWEEPS



FIELD CULTIVATOR SWEEPS



DANISH "S" TINE POINTS & SWEEPS



**ALABAMA SWEEPS
& WYOMING SHOVELS**



FURROWERS & POINT



CHISEL POINTS & BULL TONGUES



VEGETABLE KNIVES



INJECTOR KNIVES



IRRIGATION & CORN SHOVELS



VIPER SWEEPS





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COTTON SWEEPS (JOYCE PATTERN)



HOLE PATTERNS

Two 7/16" plow bolt holes on 2-1/4" centers & 1 center hole for 5/8" carriage bolt.

STEM

TYPE: Wrap Around
ANGLE: 55°

CROWN

Medium

WING TYPE

Extra Wide

DOMESTIC PART #			IMPORT / TATU PART #			SIZE	WEIGHT EACH (Approx.)	MEAS. (A)
PLAIN	HARDFACED	CHROME	PLAIN	HARDFACED	CHROME		PLAIN	
TP112-06	TH112-06	TC112-06	TIP112-06	TIH112-06	TIC112-06	1/4" X 6"	2.71 LBS	6"
TP112-08	TH112-08	TC112-08	TIP112-08	TIH112-08	TIC112-08	1/4" X 8"	3.12 LBS	8"
TP112-10	TH112-10	TC112-10	TIP112-10	TIH112-10	TIC112-10	1/4" X 10"	2.94 LBS	10"
TP112-12	TH112-12	TC112-12	TIP112-12	TIH112-12	TIC112-12	1/4" X 12"	3.52 LBS	12"
TP112-14	TH112-14	TC112-14	TIP112-14	TIH112-14	TIC112-14	1/4" X 14"	4.38 LBS	14"
TP112-16	TH112-16	TC112-16	TIP112-16	TIH112-16	TIC112-16	1/4" X 16"	5.74 LBS	16"
TP112-18	TH112-18	TC112-18	TIP112-18	TIH112-18	TIC112-18	1/4" X 18"	6.24 LBS	18"
TP112-20	TH112-20	TC112-20	TIP112-20	TIH112-20	TIC112-20	1/4" X 20"	8.41 LBS	20"
TP112-22	TH112-22	TC112-22	TIP112-22	TIH112-22	TIC112-22	1/4" X 22"	9.08 LBS	22"
TP112-24	TH112-24	TC112-24	TIP112-24	TIH112-24	TIC112-24	1/4" X 24"	9.81 LBS	24"

12 SERIES FLANGE STEM CULTIVATOR SWEEPS

HOLE PATTERNS

Two 7/16" plow bolt holes on 2" centers & 1 center hole for 5/8" carriage bolt.

STEM

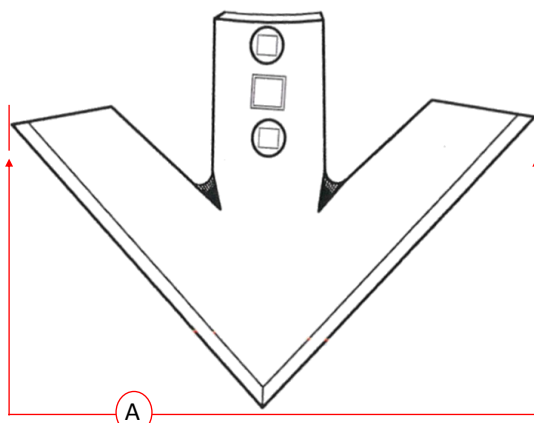
TYPE: Wrap Around
ANGLE: 55°

CROWN

Medium

WING TYPE

Medium Wide



DOMESTIC PART #			SIZE	WEIGHT EACH (Approx.)	MEAS. (A)
PLAIN	HARDFACED	CHROME		PLAIN	
TP12-04	TH12-04	TC12-04	1/4" X 4"	1.44 LBS	4"
TP12-06	TH12-06	TC12-06	1/4" X 6"	1.92 LBS	6"
TP12-08	TH12-08	TC12-08	1/4" X 8"	2.23 LBS	8"
TP12-10	TH12-10	TC12-10	1/4" X 10"	2.88 LBS	10"
TP12-12	TH12-12	TC12-12	1/4" X 12"	3.32 LBS	12"
TP12-14	TH12-14	TC12-14	1/4" X 14"	4.16 LBS	14"
TP12-16	TH12-16	TC12-16	1/4" X 16"	4.74 LBS	16"
TP12-18	TH12-18	TC12-18	1/4" X 18"	4.82 LBS	18"
TP12-20	TH12-20	TC12-20	1/4" X 20"	5.40 LBS	20"
TP12-22	TH12-22	TC12-22	1/4" X 22"	5.80 LBS	22"
TP12-24	TH12-24	TC12-24	1/4" X 24"	6.00 LBS	24"
TP12-26	TH12-26	TC12-26	1/4" X 26"	7.90 LBS	26"
TP12-28	TH12-28	TC12-28	1/4" X 28"	7.30 LBS	28"
TP12-30	TH12-30	TC12-30	1/4" X 30"	8.50 LBS	30"

*Sweeps may be ordered with the following prefixes:

- TP & TIP = **PLAIN** • TH & TIH = **HARDFACED**
- TC & TIC = **CHROME**

**Not all styles in stock. Call Norwest Mfg. for pricing and availability.



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CHISEL PLOW SWEEPS

HOLE PATTERNS

Two 9/16" plow bolt holes for 1/2" bolts on 2-1/4" centers.

STEM

TYPE: N/A

ANGLE: 47° & 50°

CROWN

Medium

WING TYPE

Extra Wide

DOMESTIC PART #			IMPORT / TATU PART #			SIZE	WEIGHT EACH (Approx.)	MEAS. (A)
PLAIN	HARDFACED	CHROME	PLAIN	HARDFACED	CHROME		PLAIN	
50° SWEEPS • 1/4" MATERIAL								
TPF50-08K	THF50-08K	TCF50-08K	TPSW50-08	THSW50-08	TCSW50-08	1/4" X 8"	4.60 LBS	8"
TPF50-10K	THF50-10K	TCF50-10K	TPSW50-10	THSW50-10	TCSW50-10	1/4" X 10"	5.11 LBS	10"
TPF50-12K	THF50-12K	TCF50-12K	TPSW50-12	THSW50-12	TCSW50-12	1/4" X 12"	5.44 LBS	12"
TPF50-14K	THF50-14K	TCF50-14K	TPSW50-14	THSW50-14	TCSW50-14	1/4" X 14"	6.68 LBS	14"
TPF50-16K	THF50-16K	TCF50-16K	TPSW50-16	THSW50-16	TCSW50-16	1/4" X 16"	7.04 LBS	16"
TPF50-18K	THF50-18K	TCF50-18K	TPSW50-18	THSW50-18	TCSW50-18	1/4" X 18"	8.25 LBS	18"
50° SWEEPS • 5/16" MATERIAL								
TPF50-085K	THF50-085K	TCF50-085K	TPSW50-085	THSW50-085	TCSW50-085	5/16" X 8"	4.90 LBS	8"
TPF50-105K	THF50-105K	TCF50-105K	TPSW50-105	THSW50-105	TCSW50-105	5/16" X 10"	6.10 LBS	10"
TPF50-125K	THF50-125K	TCF50-125K	TPSW50-125	THSW50-125	TCSW50-125	5/16" X 12"	6.63 LBS	12"
TPF50-145K	THF50-145K	TCF50-145K	TPSW50-145	THSW50-145	TCSW50-145	5/16" X 14"	7.64 LBS	14"
TPF50-165K	THF50-165K	TCF50-165K	TPSW50-165	THSW50-165	TCSW50-165	5/16" X 16"	8.68 LBS	16"
TPF50-185K	THF50-185K	TCF50-185K	TPSW50-185	THSW50-185	TCSW50-185	5/16" X 18"	9.30 LBS	18"
—	—	—	TPSW50-245	THSW50-245	TCSW50-245	5/16" X 24"	12.00 LBS	24"
47° SWEEPS • 1/4" MATERIAL								
TPF47-08K	THF47-08K	TCF47-08K	TPSW47-08	THSW47-08	TCSW47-08	1/4" X 8"	4.60 LBS	8"
TPF47-10K	THF47-10K	TCF47-10K	TPSW47-10	THSW47-10	TCSW47-10	1/4" X 10"	5.11 LBS	10"
TPF47-12K	THF47-12K	TCF47-12K	TPSW47-12	THSW47-12	TCSW47-12	1/4" X 12"	5.44 LBS	12"
TPF47-14K	THF47-14K	TCF47-14K	TPSW47-14	THSW47-14	TCSW47-14	1/4" X 14"	6.68 LBS	14"
TPF47-16K	THF47-16K	TCF47-16K	TPSW47-16	THSW47-16	TCSW47-16	1/4" X 16"	7.25 LBS	16"
TPF47-18K	THF47-18K	TCF47-18K	TPSW47-18	THSW47-18	TCSW47-18	1/4" X 18"	8.25 LBS	18"
47° SWEEPS • 5/16" MATERIAL								
TPF47-085K	THF47-085K	TCF47-085K	TPSW47-085	THSW47-085	TCSW47-085	5/16" X 8"	4.90 LBS	8"
TPF47-105K	THF47-105K	TCF47-105K	TPSW47-105	THSW47-105	TCSW47-105	5/16" X 10"	6.10 LBS	10"
TPF47-125K	THF47-125K	TCF47-125K	TPSW47-125	THSW47-125	TCSW47-125	5/16" X 12"	6.63 LBS	12"
TPF47-145K	THF47-145K	TCF47-145K	TPSW47-145	THSW47-145	TCSW47-145	5/16" X 14"	7.64 LBS	14"
TPF47-165K	THF47-165K	TCF47-165K	TPSW47-165	THSW47-165	TCSW47-165	5/16" X 16"	8.68 LBS	16"
TPF47-185K	THF47-185K	TCF47-185K	TPSW47-185	THSW47-185	TCSW47-185	5/16" X 18"	9.30 LBS	18"

*Sweeps may be ordered with the following prefixes:

• TP = **PLAIN** • TH = **HARDFACED** • TC = **CHROME**

**Not all styles in stock.

Call Norwest Mfg. for pricing and availability.

www.norwest-mfg.com

Tillage 100-3



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PENETRATOR SWEEPS

HOLE PATTERNS

Two 9/16" plow bolt holes for 1/2" bolts on 2-1/4" centers .

STEM

TYPE: N/A
ANGLE: 50°

CROWN

Medium

WING TYPE

Extra Wide

DOMESTIC PART #			SIZE	WEIGHT EACH (Approx.)	MEAS. (A)	DOMESTIC PART #			SIZE	WEIGHT EACH (Approx.)	MEAS. (A)
PLAIN	HARDFACED	CHROME		PLAIN		PLAIN	HARDFACED	CHROME		PLAIN	
50° SWEEPS • 1/4" MATERIAL						50° SWEEPS • 5/16" MATERIAL					
TPP50-06K	THP50-06K	TCP50-06K	1/4" X 6"	4.59 LBS	6"	TPP50-065K	THP50-065K	TCP50-065K	5/16" X 6"	4.60 LBS	6"
TPP50-08K	THP50-08K	TCP50-08K	1/4" X 8"	5.18 LBS	8"	TPP50-085K	THP50-085K	TCP50-085K	5/16" X 8"	4.60 LBS	8"
TPP50-10K	THP50-10K	TCP50-10K	1/4" X 10"	5.44 LBS	10"	TPP50-105K	THP50-105K	TCP50-105K	5/16" X 10"	6.63 LBS	10"
TPP50-12K	THP50-12K	TCP50-12K	1/4" X 12"	6.68 LBS	12"	TPP50-125K	THP50-125K	TCP50-125K	5/16" X 12"	6.63 LBS	12"
TPP50-14K	THP50-14K	TCP50-14K	1/4" X 14"	7.04 LBS	14"	TPP50-145K	THP50-145K	TCP50-145K	5/16" X 14"	7.64 LBS	14"
TPP50-16K	THP50-16K	TCP50-16K	1/4" X 16"	7.04 LBS	16"	TPP50-165K	THP50-165K	TCP50-165K	5/16" X 16"	8.68 LBS	16"
TPP50-18K	THP50-18K	TCP50-18K	1/4" X 18"	8.25 LBS	18"	TPP50-185K	THP50-185K	TCP50-185K	5/16" X 18"	9.30 LBS	18"
TPP50-22K	THP50-22K	TCP50-22K	1/4" X 22"	10.20 LBS	22"	**Larger sweeps are available. Call Norwest Mfg. for more information.					



Z-GPP50-16K

DEEP TILL FUMIGANT APPLICATION

HOLE PATTERNS

Two 9/16" plow bolt holes for 1/2" bolts on 2-1/4" centers .

W/POCKET: Two 13/16" slots for 1/2" bolts on 2-1/2" centers

STEM

TYPE: N/A
ANGLE: 50°

CROWN

Medium

WING TYPE

Extra Wide

DOMESTIC PART #	APPLICATION	SIZE	WEIGHT EACH (Approx.)	MEAS. (A)
CHROME			CHROME	
Z-GPP50-16K* <i>With Pocket</i>	FOR GREAT PLAINS RIPPER <i>1-1/4" POCKET</i>	1/4" X 16"	11.90 LBS	16"
Z-GPP50-165K* <i>With Pocket</i>	FOR GREAT PLAINS RIPPER	5/16" X 16"	13.31 LBS	16"
Z-GPP50-16NP* <i>No Pocket</i>	FOR GREAT PLAINS CHISEL PLOW	1/4" X 16"	10.00 LBS	16"
Z-JPP50-22K* <i>With Pocket</i>	FOR JOHN DEERE DAMMER-DIKER & JOHN DEERE RIPPER <i>1-1/4" POCKET</i>	1/4" X 22"	15.50 LBS	22"

***Deep Till Fumigant Applications can be made in various sizes for different applications.**

Please call Norwest Mfg. for more details.

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UNIVERSAL ECONOMY SWEEPS

HOLE PATTERNS

Two 7/16" plow bolt holes on 2-1/4" centers and 1 center hole for a 5/8" carriage bolt.

STEM

TYPE: Flat
ANGLE: 55°

CROWN

Medium

WING TYPE

Medium Wide

DOMESTIC PART #			SIZE	WEIGHT EACH (Approx.)	MEAS. (A)
PLAIN	HARDFACED	CHROME		PLAIN	
TPE150-04	THE150-04	TCE150-04	1/4" X 4"	1.10 LBS	4"
TPE150-06	THE150-06	TCE150-06	1/4" X 6"	1.50 LBS	6"
TPE150-08	THE150-08	TCE150-08	1/4" X 8"	2.25 LBS	8"
TPE150-10	THE150-10	TCE150-10	1/4" X 10"	2.70 LBS	10"
TPE150-12	THE150-12	TCE150-12	1/4" X 12"	3.50 LBS	12"
TPE150-14	THE150-14	TCE150-14	1/4" X 14"	4.50 LBS	14"
TPE150-16	THE150-16	TCE150-16	1/4" X 16"	5.20 LBS	16"
TPE150-18	THE150-18	TCE150-18	1/4" X 18"	6.90 LBS	18"
TPE150-20	THE150-20	TCE150-20	1/4" X 20"	8.20 LBS	20"
TPE150-22	THE150-22	TCE150-22	1/4" X 22"	9.40 LBS	22"
TPE150-24	THE150-24	TCE150-24	1/4" X 24"	9.90 LBS	24"

PEANUT SWEEPS

HOLE PATTERNS

1-1/4" - 2-1/4" centers for 7/16" plow bolt

STEM

TYPE: Flanged
ANGLE: 56°

CROWN

Low

WING TYPE

Extra Wide



DOMESTIC PART #			IMPORT / TATU PART #			SIZE	WEIGHT EACH (Approx.)	MEAS. (A)
PLAIN	HARDFACED	CHROME	PLAIN	HARDFACED	CHROME		PLAIN	
56° SWEEPS • 3/16" & 1/4" MATERIAL								
TP131-06	TH131-06	TC131-06	TIP131-06	TIH131-06	TIC131-06	3/16" X 6"	1.20 LBS	6"
TP131-08	TH131-08	TC131-08	TIP131-08	TIH131-08	TIC131-08	3/16" X 8"	1.30 LBS	8"
TP131-10	TH131-10	TC131-10	TIP131-10	TIH131-10	TIC131-10	3/16" X 10"	1.83 LBS	10"
TP131-12	TH131-12	TC131-12	TIP131-12	TIH131-12	TIC131-12	3/16" X 12"	2.16 LBS	12"
TP132-14	TH132-14	TC132-14	TIP132-14	TIH132-14	TIC132-14	1/4" X 14"	3.00 LBS	14"
TP132-16	TH132-16	TC132-16	TIP132-16	TIH132-16	TIC132-16	1/4" X 16"	3.58 LBS	16"
TP132-18	TH132-18	TC132-18	TIP132-18	TIH132-18	TIC132-18	1/4" X 18"	3.73 LBS	18"

*Sweeps may be ordered with the following prefixes:

• TP & TIP = **PLAIN** • TH & TIH = **HARDFACED** • TC & TIC = **CHROME**

**Not all styles in stock.

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Tillage 100-5



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VIPER SWEEPS

HOLE PATTERNS

Two 1/2" bolt holes for 7/16" plow bolts on 1-3/4" centers.

STEM

TYPE: Wrap Around

ANGLE: 47°

CROWN

Low

WING TYPE

Stay Wide/Ultra Wing

DOMESTIC PART #		IMPORT / TATU PART #		SIZE	WEIGHT EACH (Approx.)	MEAS. (A)
PLAIN	HARDFACED	PLAIN	HARDFACED		PLAIN	
		TIP47V0657	TIP47V0657H	7.5 MM X 6.25"	2.81 LBS	6.25"
47VP7257	47VP7257H	TIP47V0757	TIP47V0757H	7.5 MM X 7.25"	3.31 LBS	7.25"
		TIP47V0857	TIP47V0857H	7.5 MM X 8.25"	3.66 LBS	8.25"
47VP9257	47VP9257H	TIP47V0957	TIP47V0957H	7.5 MM X 9.25"	3.84 LBS	9.25"
47VP10257	47VP10257H	TIP47V1057	TIP47V1057H	7.5 MM X 10.25"	4.25 LBS	10.25"
47VP11257	47VP11257H	TIP47V1157	TIP47V1157H	7.5 MM X 11.25"	5.10 LBS	11.25"
		TIP47V1257	TIP47V1257H	7.5 MM X 12.25"	5.55 LBS	12.25"



FIELD CULTIVATOR SWEEPS

HOLE PATTERNS

Two 1/2" bolt holes for 7/16" plow bolts on 1-5/8" - 1-3/4" centers.

STEM

TYPE: Wrap Around

ANGLE: 47°

CROWN

Low

WING TYPE

Long wearing parallel wing

DOMESTIC PART #			IMPORT / TATU PART #			SIZE	WEIGHT EACH (Approx.)	MEAS. (A)
PLAIN	HARDFACED	CHROME	PLAIN	HARDFACED	CHROME		PLAIN	
47° SWEEPS • 1/4" MATERIAL								
TP202-044	TH202-044	TC202-044	TIP202-044	TIH202-044	TIC202-044	1/4" X 4"	1.59 LBS	4"
TP202-064	TH202-064	TC202-064	TIP202-064	TIH202-064	TIC202-064	1/4" X 6"	1.88 LBS	6"
TP202-074	TH202-074	TC202-074	TIP202-074	TIH202-074	TIC202-074	1/4" X 7"	2.32 LBS	7"
TP202-084	TH202-084	TC202-084	TIP202-084	TIH202-084	TIC202-084	1/4" X 8"	2.33 LBS	8"
TP202-094	TH202-094	TC202-094	TIP202-094	TIH202-094	TIC202-094	1/4" X 9"	2.60 LBS	9"
TP202-104	TH202-104	TC202-104	TIP202-104	TIH202-104	TIC202-104	1/4" X 10"	3.10 LBS	10"
TP202-114	TH202-114	TC202-114	TIP202-114	TIH202-114	TIC202-114	1/4" X 11"	3.20 LBS	11"
TP202-124	TH202-124	TC202-124	TIP202-124	TIH202-124	TIC202-124	1/4" X 12"	3.43 LBS	12"
47° SWEEPS • 5/16" MATERIAL								
TP202-075	TH202-075	TC202-075	TIP202-075	TIH202-075	TIC202-075	5/16" X 7"	2.85	7"
TP202-095	TH202-095	TC202-095	TIP202-095	TIH202-095	TIC202-095	5/16" X 9"	3.50	9"
TP202-105	TH202-105	TC202-105	TIP202-105	TIH202-105	TIC202-105	5/16" X 10"	3.96	10"



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DANISH "S" TINE SWEEPS &

HOLE PATTERNS

Single 3/8" plow bolt hole

CROWN

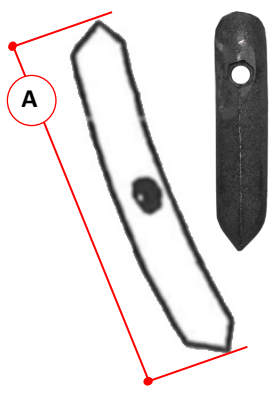
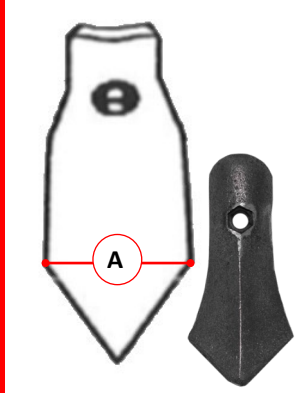
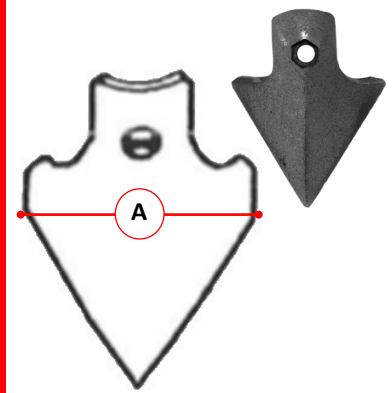
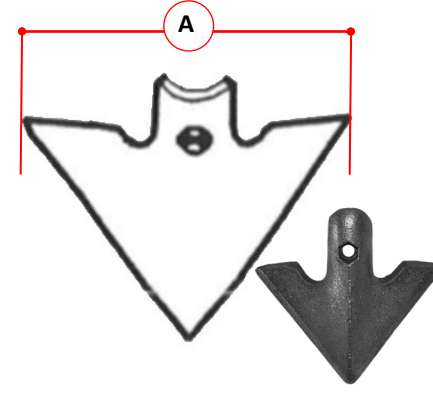
Low

WING TYPE

Long Wear

PART #			SIZE	ORIGIN	MEAS. (A)
PLAIN	HARDFACED	TUFF KOAT			
TPVA01	THVA01	TDVA01	1/4" X 1"	IMPORT	8" <i>POINT</i>
TPVA02	THVA02	TDVA02	1/4" X 2-3/4"	IMPORT	2-3/4" GOOSE FOOT
TPVA04	THVA04	TDVA04	1/4" X 4"	IMPORT	4" GOOSE FOOT
TPVA07	THVA07	TDVA07	1/4" X 7"	IMPORT	7" WINGED
TPVA09	THVA09	TDVA09	1/4" X 9"	IMPORT	9" WINGED
TPVA10	THVA10	TDVA10	1/4" X 10"	IMPORT	10" WINGED
TPVA15	THVA15	TDVA15	1/4" X 1-1/2"	IMPORT	8-1/2" <i>POINT</i>
TPVA25	THVA25	TDVA25	1/4" X 2"	IMPORT	10" <i>POINT</i>
TPVA44	THVA44	TDVA44	1/4" X 4"	IMPORT	4" WINGED
TPVM07	THVM07	TDVM07	1/4" X 7"	DOMESTIC	7" WINGED
TPVM10	THVM10	TDVM10	1/4" X 10"	DOMESTIC	10" WINGED
SOLID CHROME SWEEPS & POINT					
***CVS-01			1" SOLID CHROME	IMPORT	6" <i>POINT</i>
***CVS-02			SOLID CHROME	IMPORT	2-3/4" GOOSE FOOT
***CVS-04			SOLID CHROME	IMPORT	4" GOOSE FOOT
***CVS-07			SOLID CHROME	IMPORT	7" WINGED

♦ Chrome Danish Sweeps & Point Inset Below ♦

			
REVERSIBLE DANISH POINT	GOOSE FOOT SWEEP	4" GOOSE FOOT SWEEP	WINGED DANISH SWEEP

*Sweeps may be ordered with the following prefixes:

- TP = **PLAIN** • TH = **HARDFACED** • TD = **TUFF KOAT**
- *****NOT AVAILABLE ON SOLID CHROME SWEEPS**

**Not all styles in stock.
Call Norwest Mfg. for pricing and availability.

www.norwest-mfg.com

Tillage 100-7

ALABAMA SWEEPS (solid)

HOLE PATTERNS

Two 7/16" plow bolt holes on 2-1/4" centers and center hole for 5/8" carriage bolt.

STEM

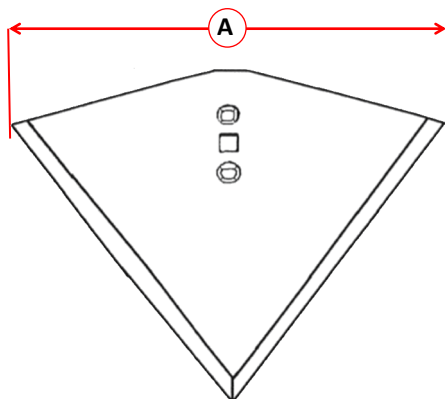
TYPE: Solid
ANGLE: N/A

CROWN

Low

WING TYPE

None: solid



DOMESTIC PART #			SIZE	WEIGHT EACH (Approx.)	MEAS. (A)
PLAIN	HARDFACED	CHROME		PLAIN	
TPE47-08	THE47-08	TCE47-08	1/4" X 8"	1.95 LBS	8"
TPE47-10	THE47-10	TCE47-10	1/4" X 10"	2.35 LBS	10"
TPE47-12	THE47-12	TCE47-12	1/4" X 12"	3.35 LBS	12"
TPE47-14	THE47-14	TCE47-14	1/4" X 14"	4.40 LBS	14"
TPE47-16	THE47-16	TCE47-16	1/4" X 16"	5.95 LBS	16"
TPE47-18	THE47-18	TCE47-18	1/4" X 18"	8.10 LBS	18"
TPE47-20	THE47-20	TCE47-20	1/4" X 20"	9.00 LBS	20"
TPE47-22	THE47-22	TCE47-22	1/4" X 22"	10.25 LBS	22"
TPE47-24	THE47-24	TCE47-24	1/4" X 24"	11.10 LBS	24"
TPE47-28	THE47-28	TCE47-28	1/4" X 28"	13.75 LBS	28"

IRRIGATION SHOVELS (mule shoes)

HOLE PATTERNS

One hole for a 3/8" carriage bolt.

CORN SHOVEL HOLE PATTERN:

Two 1/2" bolt holes for 3/8" plow bolts on 2" centers, and a center hole for a 3/4" carriage bolt.

CROWN

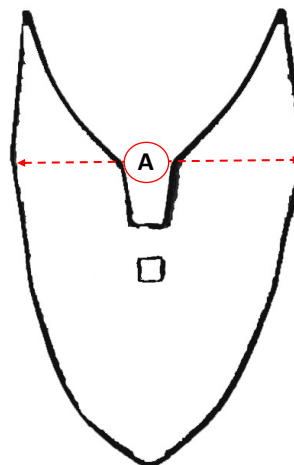
N/A

WING TYPE

N/A



DOMESTIC PART #		SIZE	WEIGHT EACH (Approx.)	MEAS. (A)
PLAIN	HARDFACED		PLAIN	
3/16" MATERIAL				
TPS1026 IRRIGATION SHOVEL	THS1026	3/16" X 6"	3.25 LBS	6"
TPS1027 IRRIGATION SHOVEL	THS1027	3/16" X 7"	4.90 LBS	7"
TPS1028 IRRIGATION SHOVEL	THS1028	3/16" X 8"	4.90 LBS	8"
TPS1129 IRRIGATION SHOVEL	THS1129	3/16" X 9"	4.78 LBS	9"
1/4" MATERIAL				
TPE25-047 CORN SHOVEL	THE25-047	1/4" X 4" X 7"	2.00 LBS	4"
TPE25-058 CORN SHOVEL	THE25-058	1/4" X 5" X 8"	2.01 LBS	5"
TPE25-068 CORN SHOVEL	THE25-068	1/4" X 6" X 8"	2.34 LBS	6"

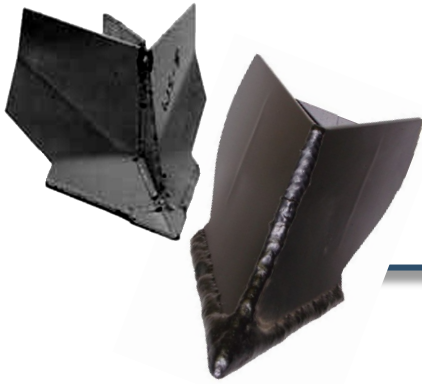


♦♦♦
To obtain the correct measurement for (A), measure the width from tip to tip at the bottom of the wings on the back side of the shovel.

*Sweeps may be ordered with the following prefixes:

• TP = PLAIN • TH = HARDFACED • TC = CHROME

**Shovels not available with chrome.



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WYOMING SHOVELS

HOLE PATTERNS

Single 3/8" plow bolt hole

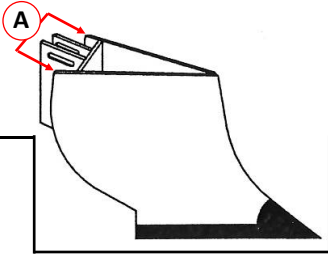
CROWN

Low

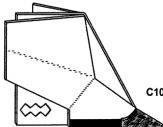
WING TYPE

Long Wear

NORWEST PART #	STANDARD SIZE	WEIGHT EACH (Approx.)	MEAS. (A)	NORWEST PART #	STANDARD SIZE	WEIGHT EACH (Approx.)	MEAS. (A)
WYOMING SHOVEL WITH HARDFACING				HEAVY DUTY WYOMING SHOVEL WITH HARDFACING			
WS-4	5/8" X 1-1/2" X 2	6.58 LBS	4"	WSHD-4	ALL SIZES	8.08 LBS	4"
WS-6	5/8" X 1-1/2" X 2	6.80 LBS	6"	WSHD-6	ALL SIZES	8.30 LBS	6"
WS-8	3/4" X 2" X 2-1/2"	10.80 LBS	8"	WSHD-8	ALL SIZES	13.08 LBS	8"
WS-10	3/4" X 2" X 2-1/2"	16.56 LBS	10"	WSHD-10	ALL SIZES	18.06 LBS	10"
WS-12	3/4" X 2" X 2-1/2"	22.20 LBS	12"	WSHD-12	ALL SIZES	23.70 LBS	12"



Shovels are made from 3/16" material.
Brackets are made from 1/4" material.



Shovels and brackets are made from 1/4" material.
WSHD's are fitted with the C101 Chrome Alloy Point.

SNUB NOSE FURROWERS

HOLE PATTERNS

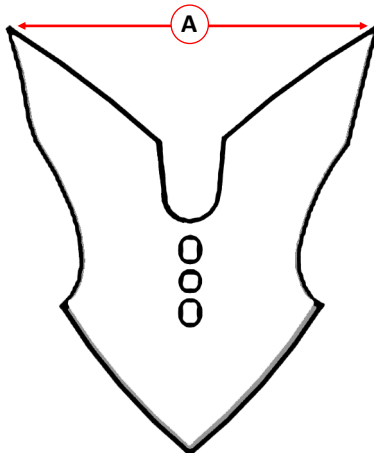
Two 7/16" plow bolt holes, on 2-1/4" centers for 3/8" plow bolts and 1 square hole for 1/2" carriage bolt.

CROWN

Low

WING TYPE

Long Wear



DOMESTIC PART #		SIZE	WEIGHT EACH (Approx.)	MEAS. (A)
PLAIN	HARDFACED		PLAIN	
TPOSNF-06	THOSNF-06	1/4" X 6"	4.30 LBS	6"
TPOSNF-08	THOSNF-08	1/4" X 8"	4.80 LBS	8"
TPOSNF-10	THOSNF-10	1/4" X 10"	6.40 LBS	10"
TPOSNF-12	THOSNF-12	1/4" X 12"	8.80 LBS	12"
TPOSNF-15	THOSNF-15	1/4" X 15"	12.40 LBS	15"
TPOSNF-18	THOSNF-18	1/4" X 18"	14.50 LBS	18"

*Furrowers may be ordered with the following prefixes:

• TP = PLAIN • TH = HARDFACED

**Not all styles in stock.

Call Norwest Mfg. for pricing and availability.



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HIGH WING FURROWERS

HOLE PATTERNS

Two slotted holes on 2" - 2-1/4" centers with a square center hole for a 7/16" plow bolt.

CROWN

Medium

WING TYPE

High Wing

HOLE PATTERNS

Two holes, on 2-1/4" centers for 7/16" plow bolts and 1 square hole for 5/8" carriage bolt.

CROWN

Medium

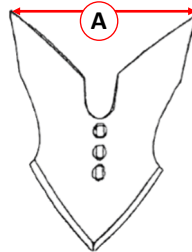
WING TYPE

High Wing

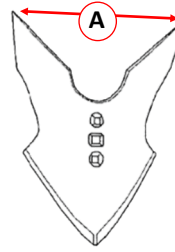
DOMESTIC PART #		SIZE	WEIGHT EACH (Approx.)	MEAS. (A)
PLAIN	HARDFACED		PLAIN	
3/16" MATERIAL				
TPS1029	THS1029	3/16" X 8"	4.25 LBS	8"
TPS1030	THS1030	3/16" X 10"	4.35 LBS	10"
TPS1031	THS1031	3/16" X 12"	6.05 LBS	12"
TPS1032	THS1032	3/16" X 15"	8.60 LBS	15"
TPS1033	THS1033	3/16" X 18"	11.50 LBS	18"

DOMESTIC PART #		SIZE	WEIGHT EACH (Approx.)	MEAS. (A)
PLAIN	HARDFACED		PLAIN	
1/4" MATERIAL				
TP3235	TH3235	1/4" X 8"	8.25 LBS	8"
TP3236	TH3236	1/4" X 10"	8.55 LBS	10"
TP3237	TH3237	1/4" X 12"	10.85 LBS	12"
TP3238	TH3238	1/4" X 15"	13.25 LBS	15"
TP3239	TH3239	1/4" X 18"	15.85 LBS	18"

HIGH WING
FURROWER
NORWEST PART#
TPS1029



HIGH WING
FURROWER
NORWEST PART#
TP3235



HEAVY DUTY FURROWERS & POINT

HOLE PATTERNS

Two holes, one slotted, for 1-1/4" to 2-1/4" centers for 7/16" plow bolt

STEM

TYPE: N/A
ANGLE: N/A

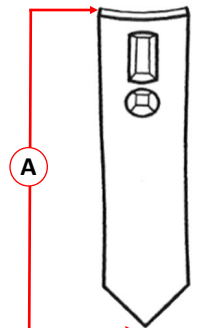
CROWN

High

WING TYPE

High Wing

DOMESTIC PART #		SIZE	WEIGHT EACH (Approx.)	MEAS. (A)
PLAIN	HARDFACED		PLAIN	
TPH1110UB	THH1110UB	1/4" X 10"	10.40 LBS	10"
TPH1112UB	THH1112UB	1/4" X 12"	11.30 LBS	12"
TPH1115UB	THH1115UB	1/4" X 15"	13.75 LBS	15"
TPH1118UB	THH1118UB	1/4" X 18"	16.25 LBS	18"
HEAVY DUTY FURROWER POINT				
TPH1120UB	THH1120UB	1/4" X 3"	2.08 LBS	11-3/4"



**Not all styles in stock.
Call Norwest Mfg. for pricing and availability.

*Furrowers may be ordered with the following prefixes:

• TP = PLAIN • TH = HARDFACED



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27 SERIES FURROWERS

306 HOLE PATTERNS

Two holes, on 2-1/4" centers for 7/16" plow bolts.

308 - 312 HOLE PATTERNS

Two holes, on 2-1/4" centers for 7/16" plow bolts and center hole for 5/8" carriage bolt

CROWN

High

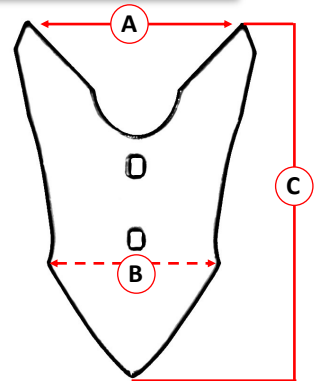
WING TYPE

Medium Wing

DOMESTIC PART #		SIZE	WEIGHT EACH (Approx.)	MEAS. (A)	MEAS. (B)	MEAS. (C)
PLAIN	HARDFACED		PLAIN			
3/16" MATERIAL						
TPE27-306	THE27-306	3/16" X 6"	3.01 LBS	7-3/4"	5-5/8"	11"
TPE27-308	THE27-308	3/16" X 8"	3.25 LBS	8"	7"	12"
TPE27-310	THE27-310	3/16" X 10"	3.74 LBS	10-1/4"	7-1/2"	13"
TPE27-312	THE27-312	3/16" X 12"	4.35 LBS	11-1/2"	7-3/4"	14"

000

To obtain the correct measurement for (B), measure the width from tip to tip on the back side of the sweep.



Don't Forget!

Order Fasteners along with your Tillage Parts.

PLOW BOLTS



*Plow Bolts and Nuts sold separately. Tillage Parts **Do Not** come with fasteners.

PART #	DESCRIPTION	PART #	DESCRIPTION	PART #	DESCRIPTION	PART #	DESCRIPTION
FPB38150	3/8" X 1-1/2" PLOW BOLT	FPB76150	7/16" X 1-1/2" PLOW BOLT	FPB12200	1/2" X 2" PLOW BOLT	FPB58300	5/8" X 3" PLOW BOLT
FPB38200	3/8" X 2" PLOW BOLT	FPB76200	7/16" X 2" PLOW BOLT	FPB12250	1/2" X 2-1/2" PLOW BOLT	FPB34200	3/4" X 2" PLOW BOLT
FPB38250	3/8" X 2-1/2" PLOW BOLT	FPB76250	7/16" X 2-1/2" PLOW BOLT	FPB12300	1/2" X 3" PLOW BOLT	FPB34250	3/4" X 2-1/2" PLOW BOLT
FPB38300	3/8" X 3" PLOW BOLT	FPB76300	7/16" X 3" PLOW BOLT	FPB58200	5/8" X 2" PLOW BOLT	FPB34300	3/4" X 3" PLOW BOLT
FPB76125	7/16" X 1-1/4" PLOW BOLT	FPB12150	1/2" X 1-1/2" PLOW BOLT	FPB58250	5/8" X 2-1/2" PLOW BOLT	FPB100300	1" X 3" PLOW BOLT

****See Section 400-Plow Parts for Additional Fasteners.**

****Not all styles in stock.
Call Norwest Mfg. for pricing and availability.**



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TILLAGE POINT STYLES

A	B	C	D	E	F	G	H
I	J	K	L	M	N	O	

****Select Points may be ordered with the following prefixes:***

• TP = **PLAIN** • TH = **HARDFACED** • TC = **CHROME**

*****Not all styles in stock. Call Norwest Mfg. for pricing and availability.***



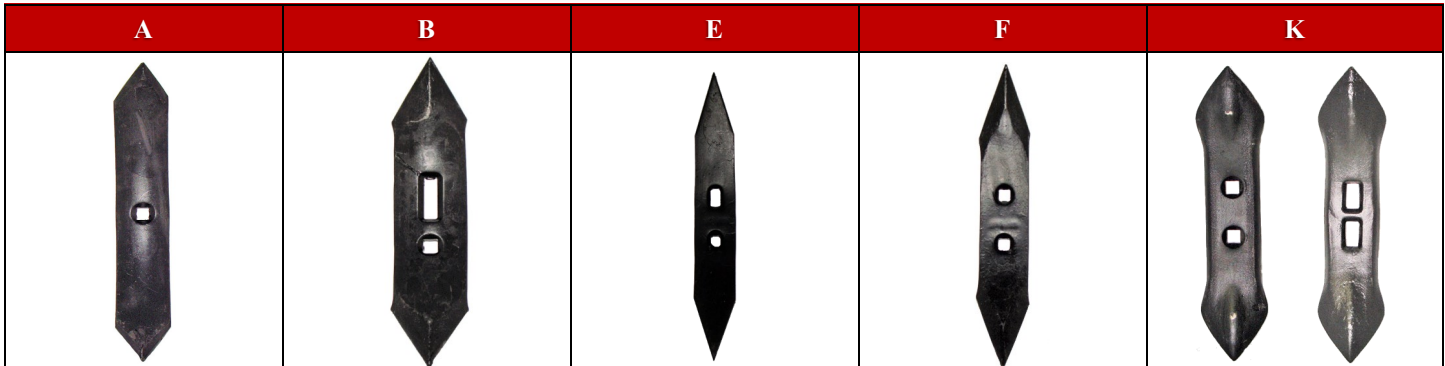
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SPRINGTOOTH, FIELD CULTIVATOR, REVERSIBLE STEELS & CHISEL POINTS



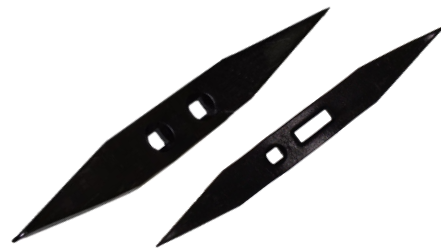
DOMESTIC PART #			MATERIAL (A)	WIDTH (B)	LENGTH (C)	HOLE CENTER	BOLT SIZE	WEIGHT EACH (Approx.)	POINT STYLE
PLAIN	HARDFACED	CHROME	Refer to page 100-14 for Measurements.					PLAIN	
SPRINGTOOTH & FIELD CULTIVATOR POINTS									
TPDF-10	THDF-10	TCDF-10	1/4"	1-3/4"	11"	1-3/4"	3/8"	0.95 LBS	F
TPDF-10UA	THDF-10UA	TCDF-10UA	1/4"	1-3/4"	11"	1-1/4" - 2-1/4"	3/8"	0.95 LBS	F
TPDF-10UB	THDF-10UB	TCDF-10UB	1/4"	1-3/4"	11"	1-1/4" - 2-1/4"	7/16"	0.95 LBS	F
TPDF-14	THDF-14	TCDF-14	1/4"	1-3/4"	11"	1-3/4"	7/16"	0.95 LBS	F
TPDF-29	THDF-29	TCDF-29	1/4"	2"	11"	1-3/4"	7/16"	1.05 LBS	F
TPDF-67	THDF-67	TCDF-67	1/4"	1-3/4"	9"	JD INDENTS	3/8"	0.90 LBS	A
DP2237	DP2237H	DP2237C	3/8"	2"	11-3/4"	2"	7/16" #3 Plow Bolts	2.35 LBS	K
DP2276	DP2276H	DP2276C	3/8"	2"	11-3/4"	1-5/8" - 1-3/4"	7/16" #3 Plow Bolts	2.35 LBS	K
DP58171 <i>Flat in Bolt Hole Area</i>	DP58171H	DP58171C	3/8"	2"	11-3/4"	1-5/8" - 1-3/4"	7/16" #3 Plow Bolts	2.15 LBS	K
DP2276S <i>Replaces CS3</i>	DP2276SH	DP2276SC	3/8"	2"	11-3/4"	1" - 2" <i>Double Slotted</i>	7/16" #3 Plow Bolts	2.25 LBS	K
DP2238	DP2238H	DP2238C	3/8"	2"	11-3/4"	1-5/8" - 1-3/4"	3/8" #3 Plow Bolts	2.20 LBS	K
TPDF010	THDF010	TCDF010	1/4"	1-3/4"	11"	1-3/4" - 1-5/8"	3/8"	0.95 LBS	E
TPDF010HD	THDF010HD	TCDF010HD	5/16"	1-3/4"	11"	1-3/4" - 1-5/8"	3/8"	1.05 LBS	E
TPIF-10	THIF-10	TCIF-10	5/16"	1-1/2"	10-1/2"	1-3/4"	7/16"	1.12 LBS	B
TPIF-10UB	THIF-10UB	TCIF-10UB	5/16"	1-1/2"	10"	1-1/4" - 2-1/4"	7/16"	1.12 LBS	B
TPIF-110UB	THIF-110UB	TCIF-110UB	5/16"	2-1/2"	10"	1-1/4" - 2-1/4"	7/16"	1.64 LBS	B
TPIF-210UB	THIF-210UB	TCIF-210UB	5/16"	2"	10"	1-1/4" - 2-1/4"	7/16"	0.95 LBS	B
TPIF-310UB	THIF-310UB	TCIF-310UB	5/16"	3"	10-1/2"	1-3/4"	7/16"	2.18 LBS	B



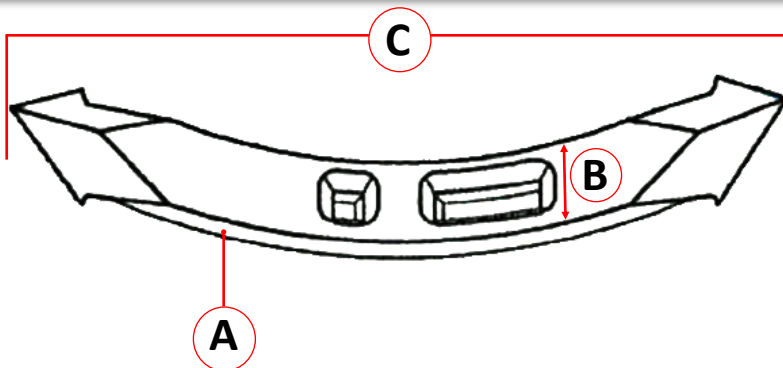
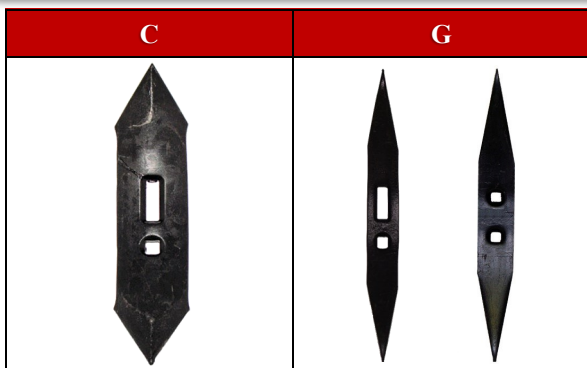
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71 SOUTH 215 WEST-RUPERT, ID- PHONE: (208) 436-1770 - FAX: (208) 436-1776



SPRINGTOOTH, FIELD CULTIVATOR, REVERSIBLE STEELS & CHISEL POINTS



DOMESTIC PART #			MATERIAL (A)	WIDTH (B)	LENGTH (C)	HOLE CENTER	BOLT SIZE	WEIGHT EACH (Approx.)	POINT STYLE
PLAIN	HARDFACED	CHROME						PLAIN	
REVERSIBLE STEELS, ALFALFA SPIKES FOR COIL SHANKS & CHISEL PLOWS									
TP168UB	TH168UB	TC168UB	1/4"	1-3/4"	11"	1-1/4" - 2-1/4"	7/16"	2.56 LBS	C
TP169UB	TH169UB	TC169UB	1/2"	2"	11"	1-1/4" - 2-1/4"	7/16"	2.85 LBS	C
TP75UB	TH75UB	TC75UB	1/2"	1-1/2"	12"	1-1/4" - 2-1/4"	7/16"	1.75 LBS	G
TP75UBH	TH75UBH	TC75UBH	5/8"	1-1/2"	12"	1-1/4" - 2-1/4"	7/16"	2.33 LBS	G

*Points may be ordered with the following pre/suffixes:

• TP = **PLAIN** • TH = **HARDFACED** • TC = **CHROME**

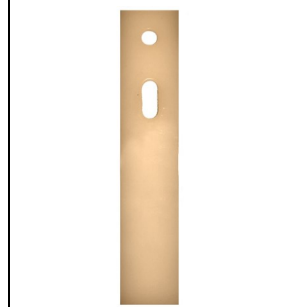
**Not all styles in stock.

Call Norwest Mfg. for pricing and availability.

CHISEL PLOW SHANK PROTECTOR

DOMESTIC PART #	MATERIAL (A)	WIDTH (B)	LENGTH (C)	HOLE CENTER	BOLT SIZE	WEIGHT EACH (Approx.)
ULTRA HIGH DENSITY POLY SHANK PROTECTOR FOR CHISEL PLOW SHANKS						
2614120P	1/4"	2-1/8"	10"	1-3/4" - 2-1/2"	1/2"	0.06 LBS

Poly Shank Protector





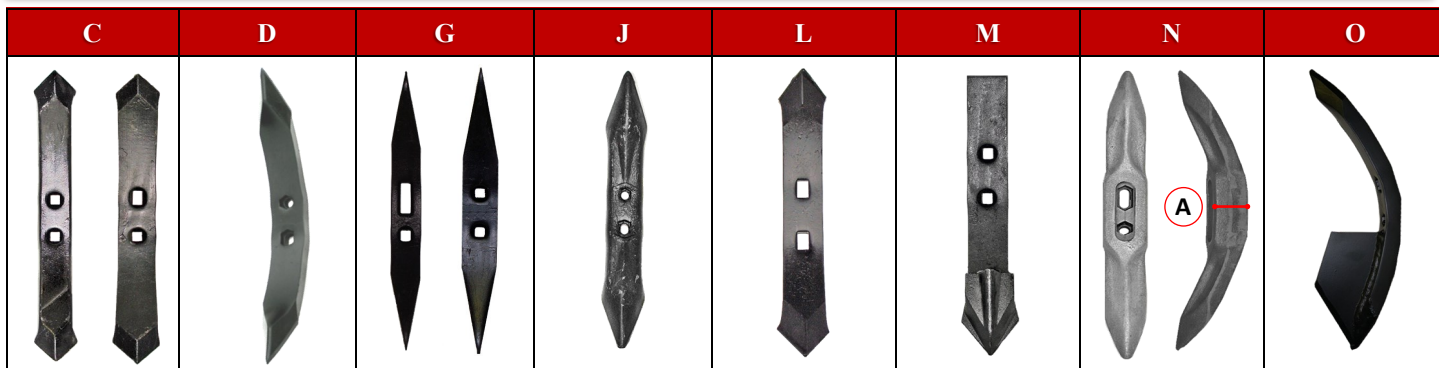
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SPRINGTOOTH, FIELD CULTIVATOR, REVERSIBLE STEELS & CHISEL POINTS



DOMESTIC PART #			MATERIAL (A)	WIDTH (B)	LENGTH (C)	HOLE CENTER	BOLT SIZE	WEIGHT EACH (Approx.)	POINT STYLE
PLAIN	HARDFACED	CHROME	Refer to page 100-14 for Measurements.					PLAIN	
CHISEL PLOW POINTS									
123050	123050H	123050C	5/8"	2"	11-1/2"	1-3/4" - 2-1/2" Double Slotted	1/2"	4.5 LBS	L
TP175-9C	TH175-9C	TC175-9C	5/8"	2"	13"	2-1/4"	1/2"	4.30 LBS	C
TP182-9C	TH182-9C	TC182-9C	5/8"	2"	15"	2-1/4"	5/8"	4.90 LBS	C
TP182-9	TH182-9	TC182-9	5/8"	2"	15"	2-1/4"	7/16"	4.90 LBS	C
TP21610HCKS	TH21610HCKS	TC21610HCKS	5/8"	2"	16"	2-1/4" - 2-1/2"	1/2"	5.25 LBS	C
TP83-9C	TH83-9C	TC83-9C	3/4"	2"	15"	1-3/4"	1/2"	4.80 LBS	G
TP83-9D	TH83-9D	TC83-9D	3/4"	2"	15"	2-1/4"	5/8"	9.30 LBS	G
TC-34 Single End	N/A	N/A	3/4"	2"	13-1/2"	2-1/4"	1/2"	5.80 LBS	M
TPHD-88	THHD-88	TCHD-88	1"	2"	18"	2-1/4" - 2-1/2"	1/2"	9.30 LBS	D
TPSHD-88 W/ Shark Fin	THSHD-88	TCSHD-88	1"	2"	18"	2-1/4" - 2-1/2"	1/2"	11.85 LBS	O
TCHD-88SC	N/A	N/A	2" SOLID CHROME	2-1/4"	17"	2" - 2-3/4"	1/2"	12.00 LBS	N
✔ TPSD-22-5	THSD-22-5	TCSD-22-5	7/8"	2"	19-1/2"	2-1/4" - 2-1/2"	1/2"	8.00 LBS	J
✔ TPSD-22-7 not recommended for I.H.C.	THSD-22-7	TCSD-22-7	7/8"	2"	19-1/2"	2-1/4"	7/16"	8.00 LBS	J
TPSD-22-H Recommended for I.H.C & Wil-Rich	THSD-22-H	TCSD-22-H	7/8"	2"	19-1/2"	2-1/4" - 2-1/2"	#3 Plow Bolts	8.00 LBS	J
✔ TPSD-23	THSD-23	TCSD-23	1"	2-1/2"	20"	2-1/4" - 2-1/2"	1/2"	12.00 LBS	J
C258-5	C258-5H	C258-5C	5/8"	2"	16-3/4"	2-1/4"	1/2" #3 Plow Bolts	5.00 LBS	C
C258-7	C258-7H	C258-7C	5/8"	2"	16-3/4"	2-1/4"	7/16" #3 Plow Bolts	5.00 LBS	C
R258-5 Will fit I.H.C.	R258-5H	R258-5C	5/8"	2"	17-1/2"	2-1/4"	1/2" #3 Plow Bolts	5.00 LBS	C
R258-7 Will fit I.H.C.	R258-7H	R258-7C	5/8"	2"	17-1/2"	2-1/4"	7/16" #3 Plow Bolts	5.00 LBS	C

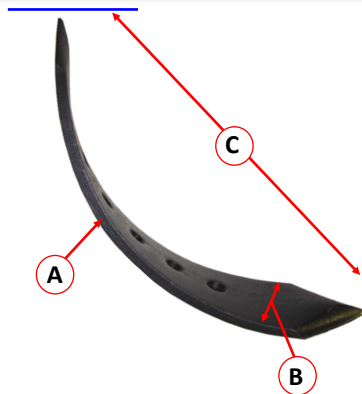
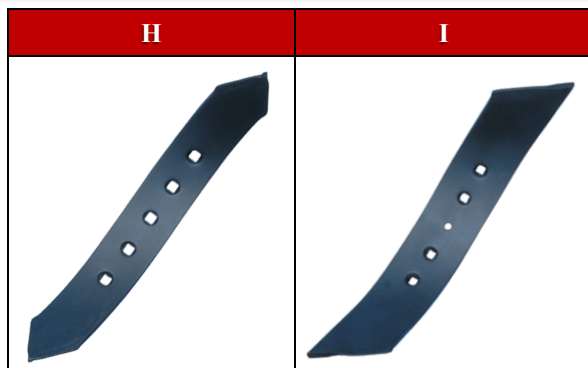
✓ FOR USE ON HIGH CLEARANCE SHANKS ONLY

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Tillage 100-15



TWISTED CHISEL POINTS



Use #3 Plow Head Bolts
2-1/2" Length
Note: I.H.C. Chisel Plows have a
slotted shank and will accept a
center punching of 2-1/4".

DOMESTIC PART #			MATERIAL (A)	WIDTH (B)	LENGTH (C)	HOLE CENTER	BOLT SIZE	WEIGHT EACH (Approx.)	POINT STYLE
PLAIN	HARDFACED	CHROME						PLAIN	
123L5 (LEFT)	123L5H	123L5C	1/2"	3"	23"	2-1/4"	1/2"	8.50 LBS	H
123R5 (RIGHT)	123R5H	123R5C							
124L-5 (LEFT)	124L-5H	124L-5C	1/2"	4"	23"	2-1/4"	1/2"	11.25 LBS	H
124R-5 (RIGHT)	124R-5H	124R-5C							
CC123L (LEFT)	CC123LH	CC123LC	1/2"	3"	23"	2-1/4" - 2-1/2"	1/2"	10 LBS	I
CC123R (RIGHT)	CC123RH	CC123RC							
CC124L (LEFT)	CC124LH	CC124LC	1/2"	4"	26"	2-1/4" - 2-1/2"	1/2"	12.50 LBS	I
CC124R (RIGHT)	CC124RH	CC124RC							
TPDF5995UCL	THDF5995UCL	TCDF5995UCL	1/2"	3"	22"	2-1/4" - 2-1/2"	1/2"	9.00 LBS	H
TPDF4995UCR	THDF4995UCR	TCDF4995UCR							
TP320-6LKS	TH320-6LKS	TC320-6LKS	3/8"	3"	22"	2-1/4" - 2-1/2"	1/2"	7.85 LBS	H
TP320-6RKS	TH320-6RKS	TC320-6RKS							



Don't Forget!

Order Fasteners along with your Tillage Parts.

*Plow Bolts and Nuts sold separately. Tillage Parts **Do Not** come with fasteners.

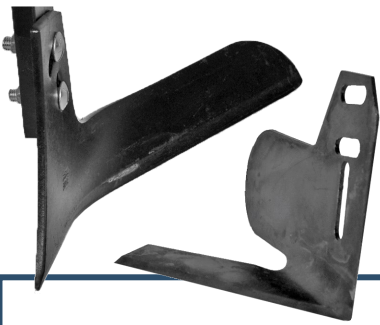
See **Section 400-Plow Parts** for Plow Bolts & Nuts.

***Points may be ordered with the following pre/suffixes:**

- TP = **PLAIN** • TH = **HARDFACED** • TC = **CHROME**
- P = **PLAIN** • H = **HARDFACED** • C = **CHROME**

****Not all styles in stock.**

Call Norwest Mfg. for pricing and availability.



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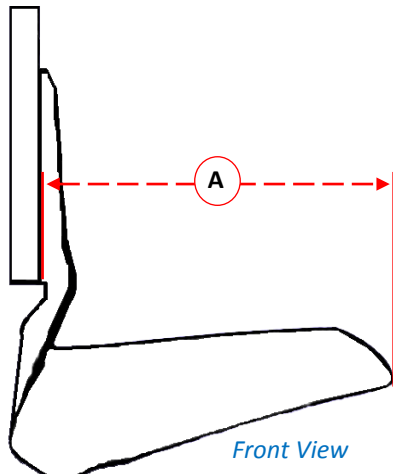
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VEGETABLE KNIVES & HOES

VEGETABLE KNIFE & HOE STYLES (RIGHT HAND SHOWN)						
A	B	C	D	E	F	G

<u>DOMESTIC</u> PART #		MATERIAL	WIDTH of CUT (A)	HOLE CENTER	BOLT SIZE	WEIGHT EACH (Approx.)	KNIFE/HOE STYLE
PLAIN	HARDFACED					PLAIN	
CRESCENT HOES							
TPS1016R <i>Right</i>	THS1016R	1/4"	6"	1-1/4" - 2"	3/8"	1.83 LBS	A
TPS1017L <i>Left</i>	THS1017L						
IMPORTED CRESCENT HOES							
TIPS1016 <i>Right</i>	TIHS1016	6 MM	6"	1-1/4" - 2"	3/8"	1.83 LBS	A
TIPS1017 <i>Left</i>	TIHS1017						
BEET HOES							
TPS1002R <i>Right</i>	THS1002R	3/16"	7"	1-1/4" - 2"	3/8"	2.05 LBS	B
TPS1003L <i>Left</i>	THS1003L						
TPS1004R <i>Right</i>	THS1004R	3/16"	9"	1-1/4" - 2"	3/8"	2.35 LBS	B
TPS1005L <i>Left</i>	THS1005L						
TPS1006R <i>Right</i>	THS1006R	1/4"	13"	1-1/4" - 2"	3/8"	5.50 LBS	B
TPS1007L <i>Left</i>	THS1007L						



***Knives & Hoes may be ordered with the following prefix:**

- TP = **PLAIN** • TIP = **PLAIN**
- TH = **HARDFACED** • TIH = **HARDFACED**

****Not all styles in stock.
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VEGETABLE KNIVES & HOES



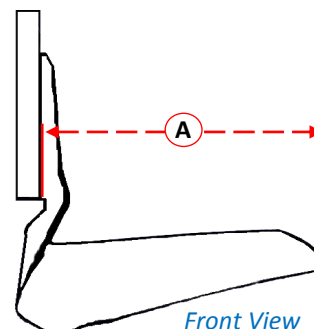
<u>DOMESTIC</u> PART #	<u>DOMESTIC</u> PART #	MATERIAL	WIDTH of CUT (A)	HOLE CENTER	BOLT SIZE	WEIGHT EACH (Approx.)	KNIFE/HOE STYLE
PLAIN	HARDFACED					PLAIN	
TENDER PLANT HOES							
TPS1122R <i>Right</i>	THS1122R	3/16"	7"	1-1/4" - 2"	3/8"	2.52 LBS	C
TPS1123L <i>Left</i>	THS1123L						
TPS1124R <i>Right</i>	THS1124R	3/16"	9"	1-1/4" - 2"	3/8"	2.92 LBS	C
TPS1125L <i>Left</i>	THS1125L						
TP2465R <i>Right</i>	TH2465R	1/8"	9"	2-1/2" - 3-3/4"	3/8"	2.25 LBS	G
TP2466L <i>Left</i>	TH2466L						
TP2468R <i>Right</i>	TH2468R	1/8"	7"	2-1/2" - 3-3/4"	3/8"	1.50 LBS	F
TP2467L <i>Left</i>	TH2467L						
IMPORTED TENDER PLANT HOES							
TIPS1122 <i>Right</i>	TIHS1122	4.75 MM	7"	1-1/4" - 2"	3/8"	2.52 LBS	C
TIPS1123 <i>Left</i>	TIHS1123						
JOHNSON BED KNIVES (ONE PIECE)							
TPS4501R <i>Right</i>	THS4501R	1/4"	8"	1-1/4" - 2"	3/8"	3.90 LBS	D
TPS4500L <i>Left</i>	THS4500L						
JOHNSON BED KNIVES (WELDED TYPE)							
TPS1066R <i>Right</i>	THS1066R	1/4"	7"	1-1/4" - 2"	3/8"	3.25 LBS	E
TPS1067L <i>Left</i>	THS1067L						

***Select Knives may be ordered with the following prefixes:**

• TP = **PLAIN** • TH = **HARDFACED**

****Not all styles in stock.**

Call Norwest Mfg. for pricing and availability.





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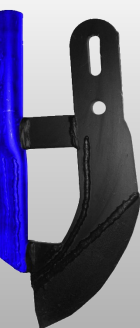
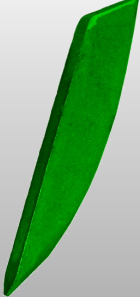
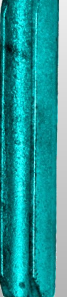
NORWEST MANUFACTURED INJECTOR KNIVES

FRONT & BACKSWEEP INJECTOR KNIFE STYLES

A	B	C	D	E	F	G	H
KP130 	KP130T 	KP132T 	KCN130T 	KCN130TC 	KCN131T 	KCN132T 	KCN170T 
I	J	K	L	M	N	O	P
KCN150 	KCN150T 	KCN140TC 	KCN152T 	DT41007 	TC-K1 	CP-65 	CP-65TP 

LIQUID & DRY TUBE OPTIONS

CHROME ALLOY OPTIONS

DT41007 	KCN130TS 	KCN132T 	KCN131T 	C13 	C20 	CP13 	CP15 
BLACK PIPE TUBING	STAINLESS TUBING	2" FERTILIZER TUBE	1-1/4" TIMIK TUBE	CHROME EDGING	CHROME POINT	CURVED CHROME TUBE PROTECTOR	STRAIGHT CHROME TUBE PROTECTOR

****Not all styles in stock.**
Call Norwest Mfg. for pricing and availability.

***Select Knives may be ordered with the following pre/suffixes:**

- TP = PLAIN • TH = **HARDFACED** • TC = **CHROME**
- P = PLAIN • H = **HARDFACED** • C = **CHROME**



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NORWEST MANUFACTURING DRY & LIQUID BACK SWEEP INJECTOR KNIVES

	STYLE	PART #			DESCRIPTION	LENGTH (A)	WEIGHT EACH (Approx.)
		PLAIN	HARDFACED	CHROME			
A	KP130 SHOWN 	NORWEST MANUFACTURED BACK SWEEP INJECTOR KNIVES					
		KP130			Back Swept Knife Less Tube	13"	3.45 LBS
			KH130		Hard Faced Back Swept Knife Less Tube	13"	3.70 LBS
				KCN130	Back Swept Knife with C13 Chrome Edging Less Tube	13"	3.75 LBS
				KCN170	Back Swept Knife with C13 Chrome Edging Less Tube	17"	4.25 LBS
B	KP130T SHOWN 	KP130T			Back Swept Knife with LIQUID Tube	13"	3.65 LBS
			KH130T		Hard Faced Back Swept Knife with LIQUID Tube	13"	3.95 LBS
				KCN130T	Back Swept Knife with C13 Chrome edging & LIQUID Tube	13"	4.00 LBS
				KCN130TC	Back Swept Knife with C13 Chrome Edging, LIQUID Tube & CP13 Curved Chrome Tube Protector	13"	4.50 LBS
				KCN130TS	Back Swept Knife with C13 Chrome Edging & STAINLESS LIQUID Tube	13"	4.30 LBS
				KCN130TCS	Back Swept Knife with C13 Chrome Edging, CP13 Curved Chrome Tube Protector & STAINLESS LIQUID Tube	13"	3.09 LBS
				KCN 170T	Back Swept Knife with C13 Chrome Edging & LIQUID Tube	17"	4.35 LBS
				KCN170TC	Back Swept Knife with C13 Chrome Edging, LIQUID Tube & CP13 Curved Chrome Tube Protector	17"	4.50 LBS
F	KCN131T SHOWN 	KP131T			Back Swept Knife with 1-1/4" TIMIK Tube	13"	4.15 LBS
			KH131T		Hard Faced Back Swept Knife with 1-1/4" TIMIK Tube	13"	4.20 LBS
				KCN131T	Back Swept Knife C13 Chrome Edging & 1-1/4" TIMIK Tube	13"	4.25 LBS
C	KP132T SHOWN 	KP132T			Back Swept Knife with 2" FERTILIZER Tube	13"	4.60 LBS
			KH132T		Hard Faced Back Swept Knife with 2" FERTILIZER Tube	13"	4.65 LBS
				KCN132T	Back Swept Knife with C13 Chrome Edging & 2" FERTILIZER Tube	13"	4.70 LBS

**Norwest manufactured knives are made from T-1 Alloy Steel and only come in Chrome applications.*

***Not all styles in stock.
Call Norwest Mfg. for pricing and availability.*



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CHROME ALLOY APPLICATION EXAMPLES			
C13	C20	CP13	CP15

NORWEST MANUFACTURING DRY & LIQUID FRONT SWEPT INJECTOR KNIVES

PART #			DESCRIPTION	LENGTH (A)	WEIGHT EACH (Approx.)
PLAIN	HARDFACED	CHROME			PLAIN
NORWEST MANUFACTURED FRONT SWEPT INJECTOR KNIVES					
		KCN140	Front Swept Knife with C20 Chrome Point Less Tube	15"	5.95 LBS
		KCN140T	Front Swept Knife with C20 Chrome Point & LIQUID Tube	15"	6.20 LBS
		KCN140TC	Front Swept Knife with C20 Chrome Point, LIQUID Tube & CP15 Straight Chrome Tube Protector	15"	6.45 LBS
		KCN140TS	Front Swept Knife with C20 Chrome Point, STAINLESS LIQUID Tube & CP15 Straight Chrome Tube Protector	15"	6.55 LBS
		KCN150	Front Swept Knife with C20 Chrome Point Less Tube	15"	5.50 LBS
		KCN150T	Front Swept Knife with C20 Chrome Point & LIQUID Tube	15"	5.71 LBS
		KCN150TC	Front Swept Knife with C20 Chrome Point, LIQUID Tube & CP15 Straight Chrome Tube Protector	15"	6.12 LBS
		KCN150TS	Front Swept Knife with C20 Chrome Point, STAINLESS LIQUID Tube & CP15 Straight Chrome Tube Protector	15"	6.50 LBS
		KCN142T	Front Swept Knife with C20 Chrome Point & 2" FERTILIZER Tube.	14"	6.40 LBS
		KCN152T	Front Swept Knife with C20 Chrome Point & 2" FERTILIZER Tube.	15"	6.16 LBS

STYLE

KCN140TC SHOWN



K

KCN150 SHOWN



I

KCN152T SHOWN



L

**Norwest manufactured knives are made from T-1 Alloy Steel and only come in Chrome applications.*

***Not all styles in stock.
Call Norwest Mfg. for pricing and availability.*



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FACTORY & NORWEST MANUFACTURED TWISTED INJECTOR KNIVES

M

STYLE

DT41007 SHOWN



PART #

DESCRIPTION

LENGTH (A)

WEIGHT EACH (Approx.)

PLAIN

HARDFACED

CHROME

PLAIN

FACTORY TWISTED INJECTOR KNIVES

DT41007			Twisted Injector Knife with LIQUID Tube	14-1/4"	2.40 LBS
	DT41007H		Hard Faced Twisted Injector Knife with LIQUID Tube	14-1/4"	3.00 LBS
		TC-K1	Twisted Chisel Plow Fertilizer Knife with LIQUID Tube & C20 Chrome Point	18"	6.40 LBS

NORWEST MANUFACTURED TWISTED INJECTOR KNIVES

DT41007CS			Twisted Injector Knife with C20 Chrome Tip & STAINLESS LIQUID Tube	14-1/4"	4.30 LBS
-----------	--	--	--	---------	----------

O & P

CP-65 & CP-65TP SHOWN



FACTORY FORGED FRONT SWEEP INJECTOR KNIVES

		CP-65	Forged Front Swept Injector Knife Less Tube	12"	4.75 LBS
	CP-65TH		Hard Faced Forged Front Swept Injector Knife	16-1/4"	5.55 LBS
		CP-65TP	Forged Front Swept Injector Knife with LIQUID Tube	16-1/4"	5.55 LBS

** MOST STANDARD LIQUID TUBES MAY BE REPLACED WITH STAINLESS, PLEASE CALL NORWEST MFG. FOR DETAILS

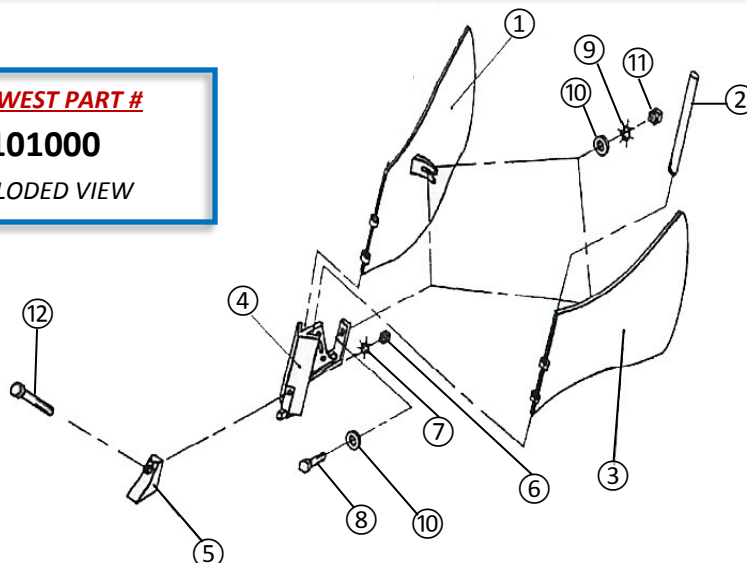
FOR MORE INFORMATION ON CHROME ALLOY APPLICATIONS

NORWEST ADJUSTABLE WING HILLER

NORWEST PART #

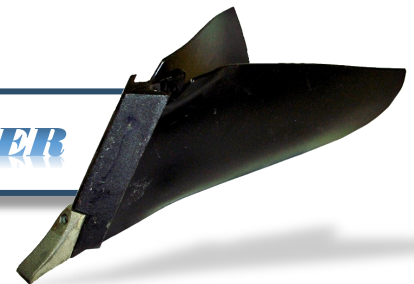
101000

EXPLODED VIEW

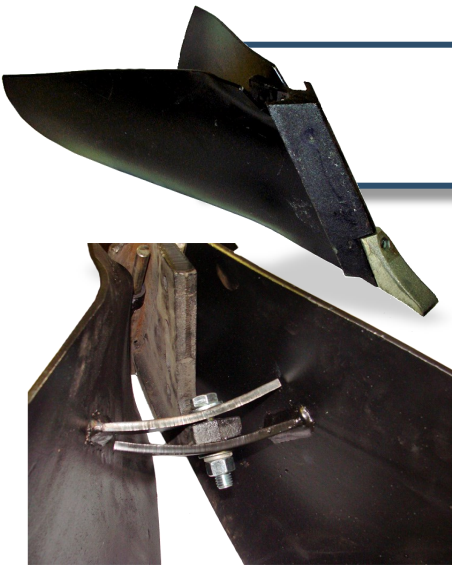


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SEE TABLE ON PAGE
100-23 FOR
REFERENCED PARTS
AND QUANTITIES.



NORWEST ADJUSTABLE WING HILLER



The Norwest adjustable hiller can be used for both hilling row crops and corrugation. The 10" high wings are adjustable so they will press firmly against the walls of the furrow. Running the hillers in pairs allows them to press against each side of the plant row, while moving soil and firming up the hills. Norwest adjustable hillers use high carbon steel wings and a ductile main body casting for strength and long wear. The adjustable hiller can be mounted by using Norwest's 3/4" clamp and a 3/4" straight flat shank. (*Clamps & Standards sold Separately*).

PART #	DESCRIPTION	WEIGHT EACH (Approx.)
101000	Adjustable Wing Hiller Assembly	38.50 LBS

101001	101004	101005	101007	101013

REFERENCE #	PART #	DESCRIPTION	LENGTH (A)	WEIGHT EACH (Approx.)	QUANTITY EACH
1	101001	Right Hand Adjustable Hiller Wing	10"	10.23 LBS	1
2	101004	Hinge Pin	9.5"	0.40 LBS	1
3	101005	Left Hand Adjustable Hiller Wing	10"	10.24 LBS	1
4	101007	Solid Chrome Main Body Casting (Ductile)	10"	15.00 LBS	1
5	101013	Solid Chrome Tip	5"	1.61 LBS	1
6	FHN76	7/16" Finished Hex Nut	—	—	1
7	FLW76	7/16" Lock Washer	—	—	1
8	FHB12350G5	1/2" X 3-1/2" Grade 5 Hex Bolt	—	—	1
9	FLW12	1/2" Lock Washer	—	—	1
10	FFW12	1/2" Flat Washer	—	—	2
11	FHN12	1/2" Hex Nut	—	—	1
12	FHB76350G5	7/16" X 3-1/2" Grade 5 Hex Bolt	—	—	1

SEE EXPLODED VIEW ON PAGE 100-22 FOR ASSEMBLY



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TILLAGE TOOLS for GRAINGER APPLICATIONS



Norwest Part #

G-6L

PART #	DESCRIPTION	DIMENSIONS	WEIGHT EACH (Approx.)
SHOVEL CORRUGATORS for GRAINGER			
G-6S	Grainger Style 6" Small Shovel Corrugator	6" Height x 24" Long	N/A
G-6L	Grainger Style 8" Large Shovel Corrugator	8" Height x 24" Long	30.95 LBS
<u>Norwest Part #</u> SGP-EDP20 			
SHANKS for GRAINGER			
SGP-EDP20	5/8" X 2" Shank with <i>TPGS-EDP</i> Chrome Point	5/8" X 2" X 31-1/2"	11.07 LBS
SGP-EDP34	3/4" x 2-1/2" Shank with <i>TPGS-EDP</i> Chrome Point	3/4" X 2-1/2" X 31-1/2"	17.06 LBS
<u>Norwest Part #</u> TPEDP60  <u>Norwest Part #</u> TPGS-EDP 			
CHROME POINTS for GRAINGER SHANKS			
TPEDP60	Diamond Point; Plain	3/8" X 1-5/8" x 3-5/8"	0.27 LBS
TPGS-EDP	Solid Chrome Point for Grainger Shank	3/8" X 1-5/8" x 3-1/2"	0.46 LBS

***Not all styles in stock.
Call Norwest Mfg. for pricing and availability.*