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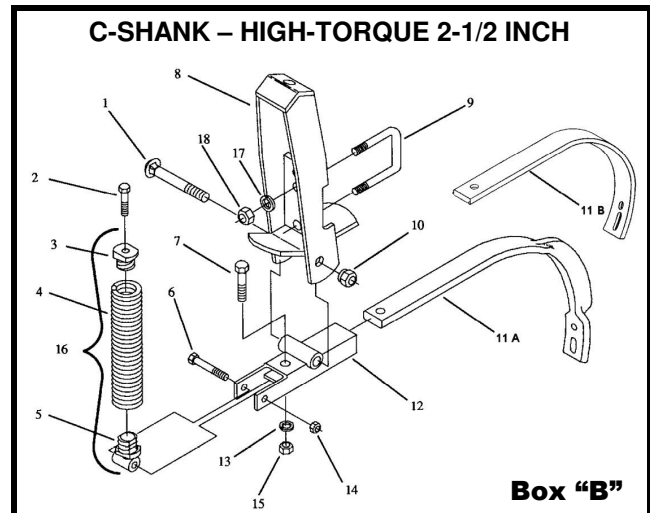
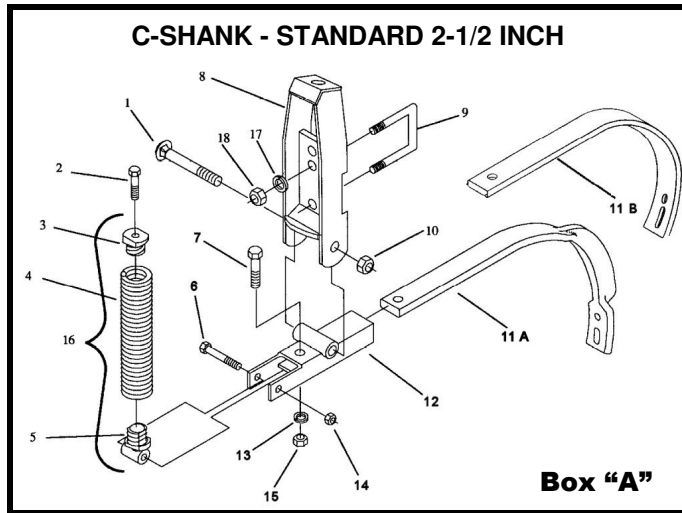
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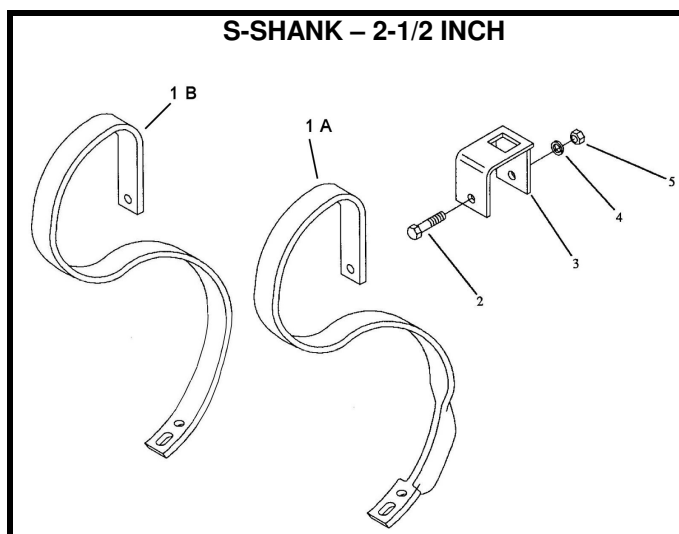
Field Cultivator Shanks for 2-1/2" Frames (Years 1976-2005)



C—SHANK 1976—2005

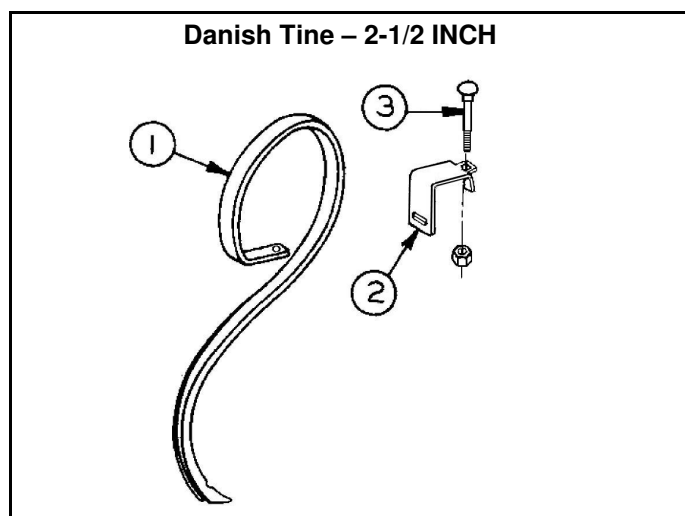
BOX	ITEM	NO	DESCRIPTION	STATUS
A, B	1	P68575	Carriage Bolt	
A	1	P22933	Bolt, 3/4 NF x 4-1/2 Gr. 8 (Older Models)	
A, B	2	P23153	Bolt, 1/2 NC x 2 Hex	
A, B	3	P11398	Plug, Spring	
A, B	4	P11510	Spring	
A, B	5	P11397	Handle, Spring	
A, B	6	P223691	Bolt, 1/2 NC x 3 Hex	
A, B	7	P88294	Bolt, 5/8 NC x 2 Hex Gr. 5	
A	8	P11512	Bracket, Shank (Standard C-Shank)	
B	8	P48399	Bracket, Shank (High-Torque C-Shank) 1985-2003	
A, B	9	P88311	U-Bolt, 5/8 NC x 2-1/2 x 3-3/4	
A, B	10	P22463	Lock Nut, 3/4 Hex NF	
A, B	11A	P53408	Shank, Edge Formed 1991—2005	
A, B	11B	P11511	Shank Flat 1976—1991	
A	12	P11509	Holder, Shank Assembly includes (1) P242482 holder, (1) P88129 Lock washer, (1) P88577 Bolt (Standard C-Shank)	
B	12	P27050	Holder, Shank (High-Torque C-Shank) 1985-2003	
A, B	13	P88129	Lock Washer, 5/8	
A, B	14	P88304	Lock Nut, 1/2 NF	
A, B	15	P88126	Nut, 5/8 Hex NC	
A, B	16	P11540	Spring & Plug Assembly (Includes 3, 4 & 5)	
A, B	17	P88129	Lock Washer, 5/8	
A, B	18	P88126	Nut, 5/8 Hex NC	

Field Cultivator Shanks for 2-1/2" Frames (Years 1986-2000)



S-Shank 1986—2000

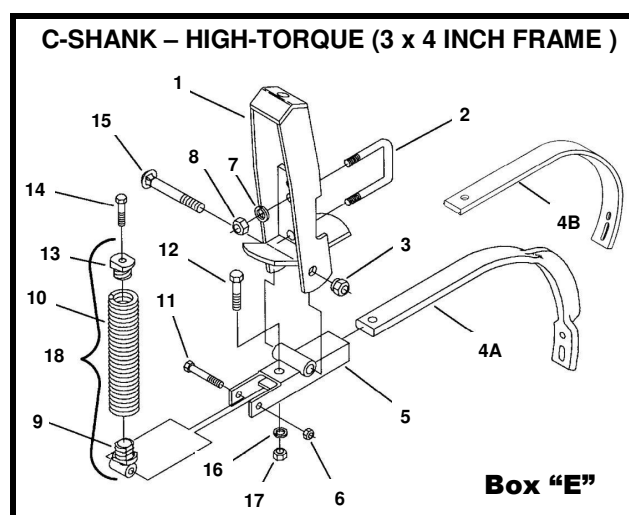
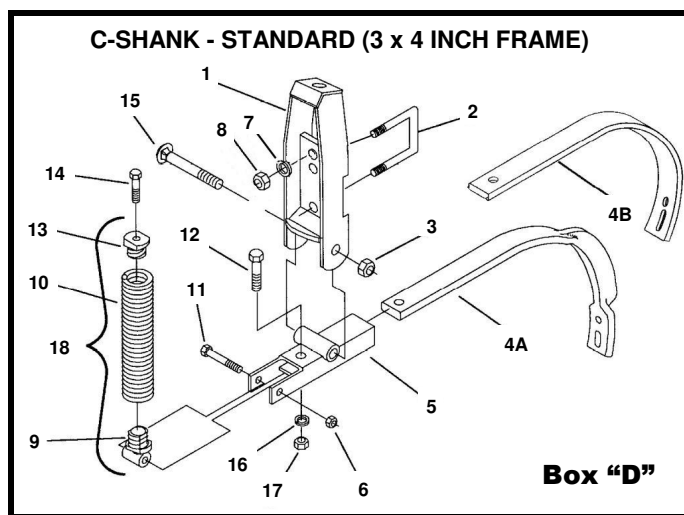
ITEM	NO	DESCRIPTION	STATUS
1A	P53409	S-Shank, Edge Formed 1992—2000	
1B	P41412	S-Shank, Flat 1986—1991	DISCONTINUED
2	P88381	Bolt, 5/8 NC x 4-1/2 Hex Gr. 5	
3	P41151	Clamp, Shank (Fits 2-1/2" Square Frame)	
4	P88129	Lock Washer, 5/8	
5	P88126	Nut, 5/8 Hex NC	



Danish Tine 1993—2000

ITEM	NO	DESCRIPTION	STATUS
1	P54810	Danish Type Tine High Clearance 1993—2000	
2	P54836	Clamp	
3	P88589	Bolt, Carriage 7/16 NC x 4 Gr. 5	
3	P88660	Nut, Lock 7/16 Hex NC Grade 5	

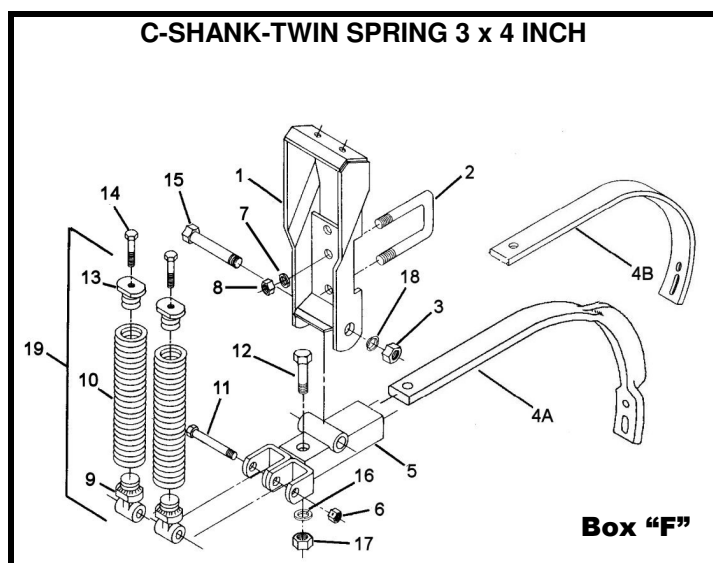
Field Cultivator Shanks for 3" x 4" Frames (Years 1981-2006)



C—SHANK 1981—2006

BOX	ITEM	NO	DESCRIPTION	STATUS
D	1	P20569	Bracket, Shank (Standard C-Shank)	
E	1	P41891	Bracket, Shank (High-Torque C-Shank) 1985-2003	
D,E	2	P88501	U-Bolt, 5/8 NC x 4 x 4-1/4	
D,E	3	P22463	Lock Nut, 3/4 Hex NF	
D,E	4A	P11511	Shank Flat (9/16 x 1-3/4)	
D,E	4B	P53408	Shank Edge Formed (9/16 x 1-3/4)	
D	5	P11509	Holder, Shank Assembly includes (1) P242482 holder, (1) P88129 Lock washer, (1) P88577 Bolt (Standard C-Shank)	
E	5	P27050	Holder, Shank (High-Torque) 1985-2003	
D,E	6	P88363	Lock Nut, 1/2 NC	
D,E	7	P88129	Lock Washer, 5/8	
D,E	8	P88126	Nut, 5/8 Hex NC	
D,E	9	P11397	Handle, Spring	
D,E	10	P11510	Spring	
D,E	11	P223691	Bolt Special, 1/2 NC x 3 Hex Gr. 5	
D,E	12	P88294	Bolt, 5/8 NC x 2 Hex Gr. 5	
D,E	13	P11398	Plug, Spring	
D,E	14	P23153	Bolt, 1/2 NC x 2 Hex	
D,E	15	P68575	Bolt, Special Carriage 3/4 x 4-3/4 NF	
D	15	P22933	Bolt, Hex Special 3/4 x 4-1/2 Gr. 8 (Older Models)	
D,E	16	P88129	Lock, Washer 5/8	
D,E	17	P88126	Nut, 5/8 Hex NC	
D,E	18	P11540	Spring & Plugs Assembly (Includes 9, 10 & 13)	

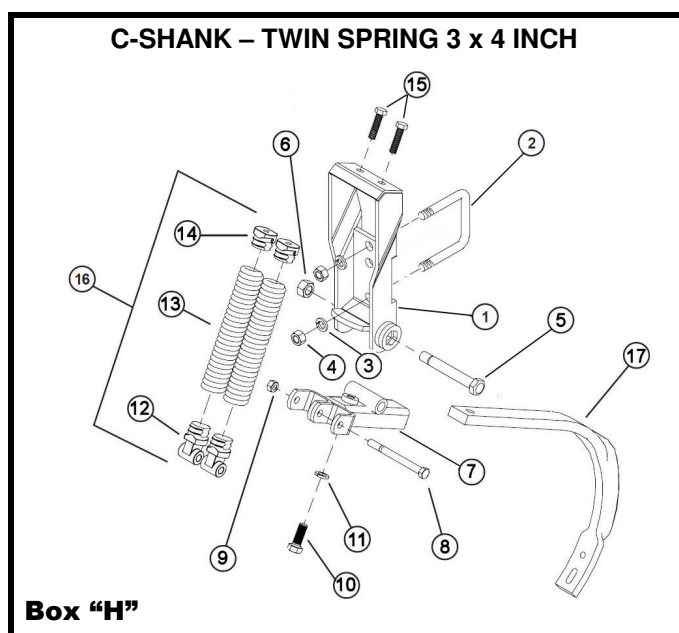
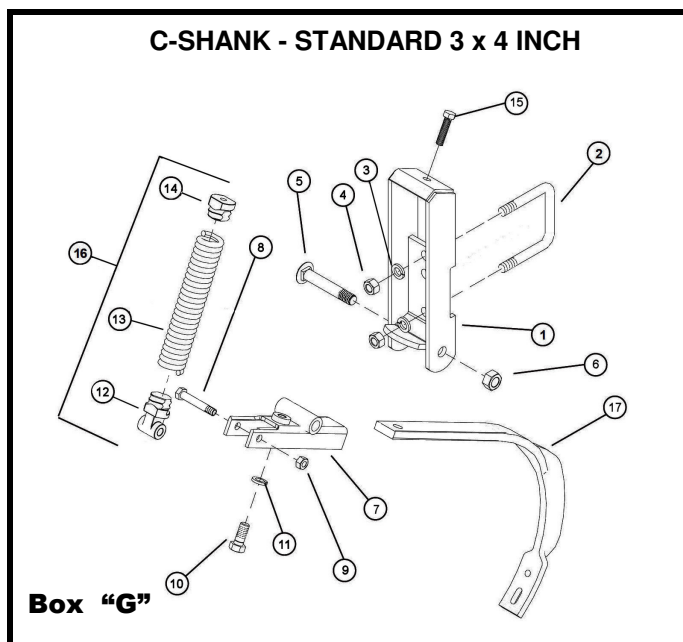
Field Cultivator Shanks for 3" x 4" Frames (Years 1981-2006)



C—SHANK 1981—2006

BOX	ITEM	NO	DESCRIPTION	STATUS
F	1	P22047	Bracket, Shank Assembly (Includes (1) P240582 Bracket, (1) P240592, (1) P240592 Bolt (<i>Twin Spring C-Shank</i>))	
F	2	P88501	U-Bolt, 5/8 NC x 4 x 4-1/4	
F	3	P22463	Lock Nut, 3/4 Hex NF	
F	4B	P21535	Shank Flat (3/4 x 1-3/4)	
F	4A	P55655	Shank Edge Formed (3/4 x 1-3/4)	
F	5	P22051	Holder, Shank Assembly includes (1) P240581 holder, (1) P88129 Lock washer, (1) P88838 Bolt (<i>Twin Spring</i>)	
F	6	P88363	Lock Nut, 1/2 NC	
F	7	P88129	Lock Washer, 5/8	
F	8	P88126	Nut, 5/8 Hex NC	
F	9	P11397	Handle, Spring	
F	10	P11510	Spring	
F	11	P88574	Bolt , 1/2 NC x 5-1/2 Hex Gr. 5	
F	12	P88294	Bolt, 5/8 NC x 2 Hex Gr. 5	
F	13	P11398	Plug, Spring	
F	14	P23153	Bolt, 1/2 NC x 2 Hex	
F	15	P22933	Bolt, Hex Special 3/4 x 4-1/2 NF	
F	16	P88129	Washer, Lock 5/8	
F	17	P88126	Nut, 5/8 Hex NC	
F	18	P41452	Center Washer	
F	19	P11540	Spring & plug Assembly (<i>Includes 9, 10 & 13</i>)	

Field Cultivator Shanks for 3" x 4" Frames (Years 2007 – Up)

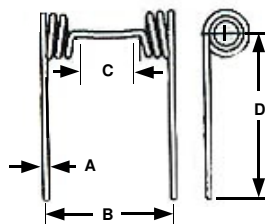


C-SHANK 2007— Up

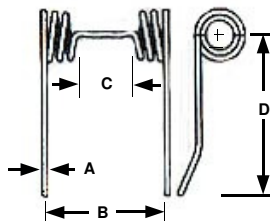
BOX	ITEM	NO	DESCRIPTION	STATUS
G	1	P20569	Bracket, Shank (Standard)	
H	1	P240582	Bracket, Shank (Twin Spring)	
G,H	2	P88501	U-Bolt, 5/8 NC x 4 x 4-1/4	
G,H	3	P88129	Lock Washer, 5/8 (2 USED)	
G,H	4	P88126	Nut, 5/8 Hex NC (2 USED)	
G	5	P68575	Bolt, Special Carriage 3/4 x 4-5/8 NF	
H	5	P240592	Bolt Special Hex, 3/4 NF x 5.5 Gr. 8	
G	6	P22463	Lock Nut, 3/4 NF Hex	
G	7	P242482	Holder, Shank (Standard)	
H	7	P240581	Holder, Shank (Twin Spring)	
G	8	P223691	Bolt Special, 1/2 NC x 3 Hex Gr. 5	
H	8	P88574	Bolt Special, 1/2 NC x 5-1/2 Hex Gr. 5	
G,H	9	P88363	Lock Nut, 1/2 NC Hex	
G	10	P88577	Bolt, 5/8 x 1-1/2 Hex NC Gr. 5	
H	10	P88838	Bolt, 5/8 x 1-3/4 Hex NC Gr. 5	
G,H	11	P88129	Lock Washer, 5/8	
G,H	12	P11397	Handle, Spring (2 USED on Twin Spring)	
G,H	13	P11510	Spring (2 USED on Twin Spring)	
G,H	14	P11398	Plug, Spring (2 USED on Twin Spring)	
G,H	15	P23153	Bolt, 1/2 x 2 Hex NC Gr. 5 (2 USED on Twin Spring)	
G,H	16	P11540	Spring & Plug Assembly (Includes 12,13 & 14)	
G	17	P53408	Shank, Edge Formed (9/16 x 1-3/4)	
H	17	P55655	Shank, Edge Formed (3/4 x 1-3/4)	

PARTS EXPRESS

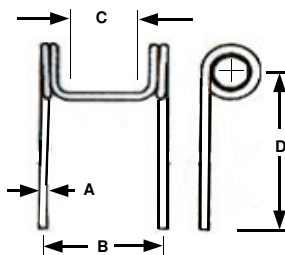
COIL TINE HARROW TEETH



ORDER NUMBER	NO. OF COILS	A WIRE SIZE	B TINE CTR.	C BOLT CTR.	D LENGTH	COIL I.D.	USED ON WHAT PRODUCT	STATUS
P61929	3	3/8	7	3	12	1.63	AIR SEEDER	
P24717	3	3/8	7.5	3.5	11.5	1.74	NOBLE SUPER-MAX	
221284	3	3/8	7.5	3.5	13	1.74	NOBLE TRAIL-R-HARROW	DISCONTINUED
P51291	3	3/8	9.0	5.0	12	1.63	W/R COIL TINE ON TUBE	
P51292	3	3/8	9.0	5.0	16	1.63	W/R COIL TINE ON TUBE	
P67886	3	7/16	9.0	4.5	18	2.12	W/R COIL TINE under Channel	



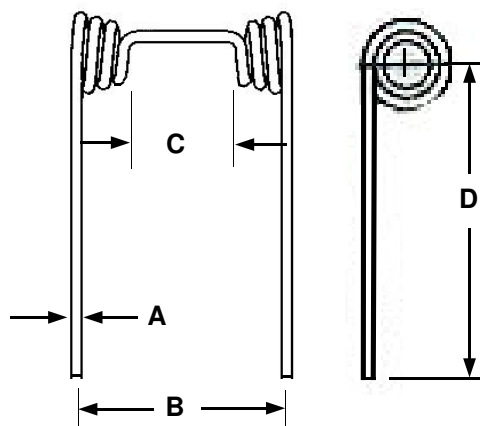
ORDER NUMBER	NO. OF COILS	A WIRE SIZE	B TINE CTR.	C BOLT CTR.	D LENGTH	COIL I.D.	USED ON WHAT PRODUCT	STATUS
P24718	3	3/8	7.5	3.5	15.6	1.74	NOBLE SUPER-MAX MULCHER	



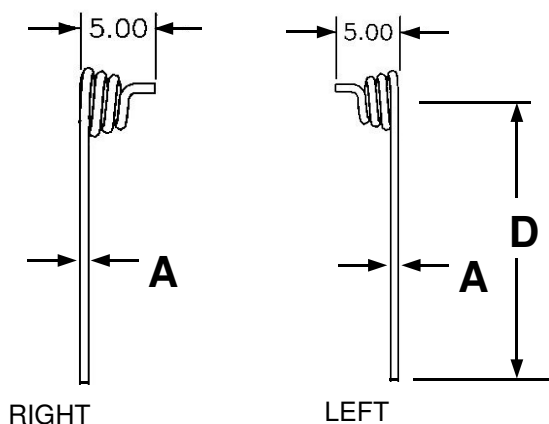
ORDER NUMBER	NO. OF COILS	A WIRE SIZE	B TINE CTR.	C BOLT CTR.	D LENGTH	COIL I.D.	USED ON WHAT PRODUCT	STATUS
P32722	1-1/2	3/8	6.0	3.5	11.5	1.74	NOBLE HARRO-MASTER	

PARTS EXPRESS

COIL TINE HARROW TEETH



ORDER NUMBER	NO. OF COILS	A WIRE SIZE	B TINE CTR.	C BOLT CTR.	D LENGTH	COIL I.D.	USED ON WHAT PRODUCT	STATUS
P236087	3	5/8	12	5.13	26	2.5	Chisel Plow, SoilPro w/Basket	
P234081	3	5/8	12	5.13	30	2.5	957 DDR, SoilPro (Yr 2003– up)	
P236872	3	5/8	12	4.87	30	2.87	957 DDR (Gates) (Year 2002)	
P246754	3	5/8	12	5.13	44	2.5	Special (Yr 2010– up)	

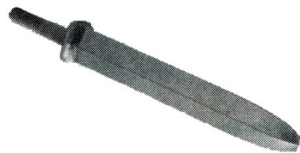


HALF COIL TINE

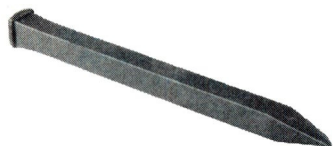
ORDER NUMBER		NO. OF COILS	A WIRE SIZE	D LENGTH	COIL I.D.	USED ON WHAT PRODUCT	STATUS
P53217	RIGHT HAND	3	3/8	12	1.63	Coil Tine on Tube	
P53218	LEFT HAND	3	3/8	12	1.63	Coil Tine on Tube	
P53220	RIGHT HAND	3	3/8	16	1.63	Coil Tine on Tube	
P53219	LEFT HAND	3	3/8	16	1.63	Coil Tine on Tube	
P221971	RIGHT HAND	3	7/16	18	2.12	Coil Tine under Channel	
P221970	LEFT HAND	3	7/16	18	2.12	Coil Tine under Channel	
P236021	RIGHT HAND	3	5/8	26	2.50	Chisel Plow, SoilPro w/Basket	
P236020	LEFT HAND	3	5/8	26	2.50	Chisel Plow, SoilPro w/Basket	
P240603	RIGHT HAND	3	5/8	30	2.50	957 DDR, SoilPro (Yr 2003– up)	
P240602	LEFT HAND	3	5/8	30	2.50	957 DDR, SoilPro (Yr 2003– up)	

PARTS EXPRESS

SPIKE HARROW TEETH



PART NUMBER	DESCRIPTION	STATUS
35630	Tooth, Spike — 1/2 x 2-1/2 shank 6" for 1-5/8 tube — Less nut	DISCONTINUED
39767	Tooth, Spike — 7/16 x 2-1/8 shank 6" for 1-3/8 tube — Less nut	DISCONTINUED



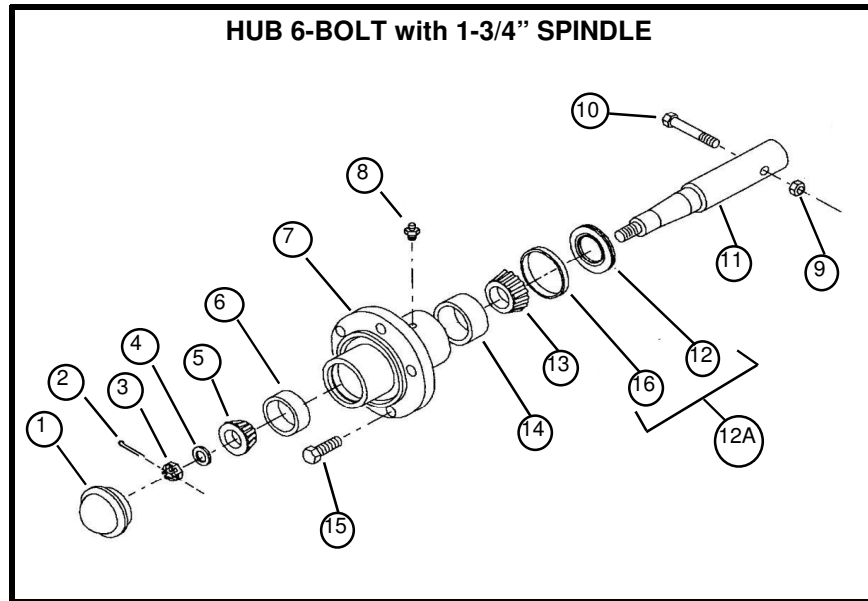
PART NUMBER	DESCRIPTION	STATUS
P52631	Tooth, Spike — 3/4 Sq. x 11-1/2 long with head —Painted Black	
P31015	Tooth, Spike — 3/4 Sq. x 11-1/2 long with head —Painted Red	
30058	Tooth, Spike — 3/4 Sq. x 11 1/2 long with head	Replaced by P52631
52621	Tooth, Spike — 3/4 Sq. x 11-1/2 long with head	Replaced by P52631



PART NUMBER	DESCRIPTION	STATUS
P30277	V-Bolt 3/8 for use with 3/4 Square 11-1/2 Long Spike	

PARTS EXPRESS

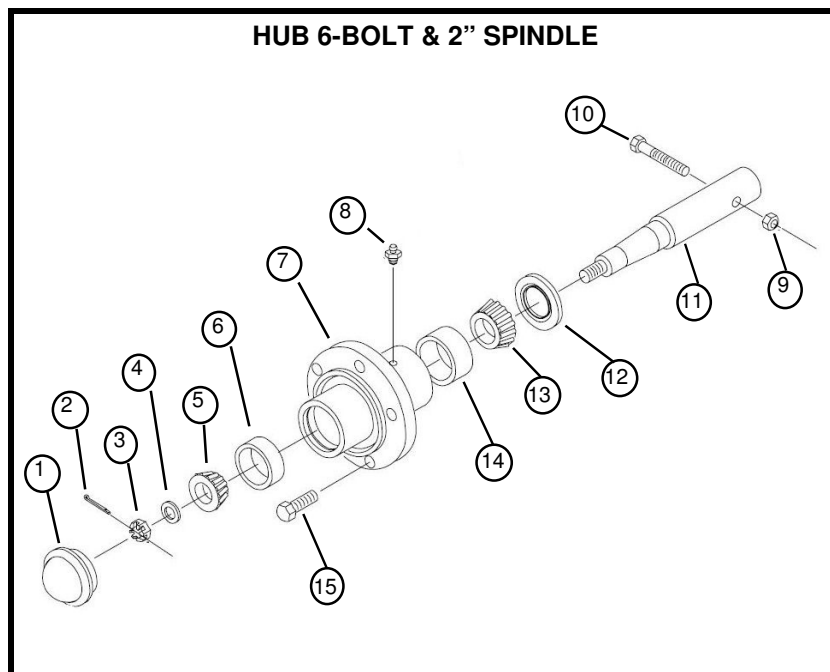
HUBS 6-BOLT with 1-3/4" SPINDLE



ITEM	NO	DESCRIPTION	VENDOR No.		STATUS
	P41234	Hub 6-Bolt & Spindle Ass'y (Includes 1-8, 11-16)			
1	P11381	Dust Cap			
2	P88301	Pin, Cotter 3/16 x 1-1/2			
3	P88340	Nut, Slotted 7/8 NF			
4	P16094	Washer, Spindle 7/8			
5	P10345	Bearing, Outer Cone	LM67048		
6	P10344	Cup, Outer Bearing	LM67010		
7	P30405	Hub, 6-Bolt with Cups (Includes 6,7,8, 16 & 14)			
8	P88263	Grease Fitting 1/8 NPT			
9	P88304	Nut, Lock 1/2 NF			
10	P88313	Bolt 1/2 NF x 3 Gr. 5			
11	P41232	Spindle 1-3/4" Dia. x 11.12 Long			
12	P25585	Seal (Triple Lip) 1.62 ID	CR16286		
12A	P26121	Seal Kit - Includes Items 12 & 16			
13	P11378	Bearing, Inner Cone	LM29749		
14	P11379	Cup, Inner Bearing	LM29710		
15	P88142	Bolt, Wheel 1/2" NF x 1" 90 Degree Head			
16	P25586	Wear Sleeve			

PARTS EXPRESS

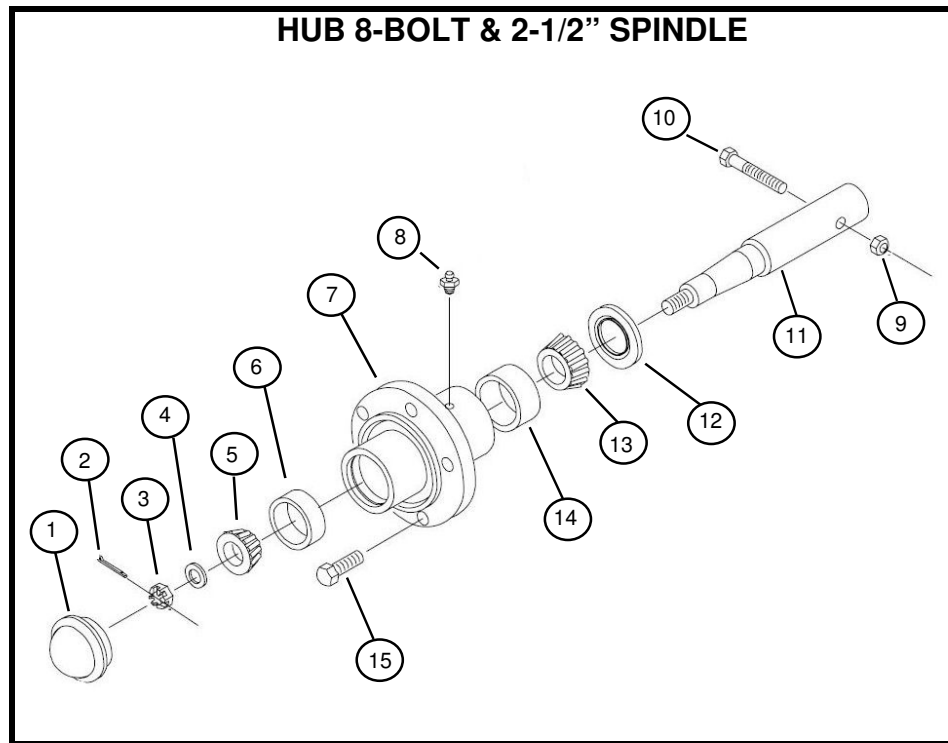
HUBS 6-BOLT with 2" SPINDLE



ITEM	NO	DESCRIPTION	VENDOR No.		STATUS
	P14131	Hub 6-Bolt & Spindle Ass'y (Includes 1-8, 11-15)			
1	P11381	Dust Cap			
2	P88133	Pin, Cotter 3/16 x 2			
3	P88340	Nut, Slotted 7/8 NF			
4	P16094	Washer, Spindle 7/8			
5	P10345	Bearing, Outer Cone	LM67048		
6	P10344	Cup, Outer Bearing	LM67010		
7	P24097	Hub, 6-Bolt with Cups (Includes 6,7, 8, & 14)			
8	P88263	Grease Fitting 1/8 NPT			
9	P88304	Nut, Lock 1/2 NF			
10	P88429	Bolt 1/2 NF x 3-1/4 Gr. 5			
11	P14251	Spindle 2" Dia. x 11.94 Long			
12	P58546	Seal (Triple Lip)	ESP18730073N		
13	P14248	Bearing, Inner Cone	LM501349		
14	P14249	Cup, Inner Bearing	LM501310		
15	P88142	Bolt, Wheel 1/2" NF x 1" 90 Degree Head			

PARTS EXPRESS

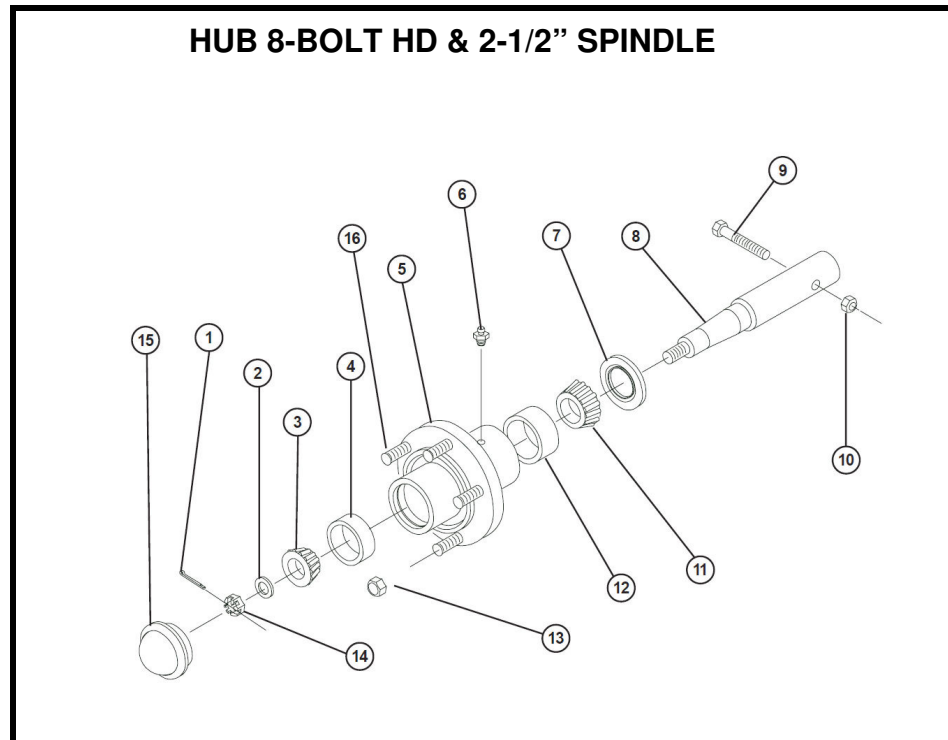
HUBS 8-BOLT with 2-1/2" SPINDLE



ITEM	NO	DESCRIPTION	VENDOR No.		STATUS
	P16154	Hub 8-Bolt & Spindle Ass'y (Includes 1-8, 11-15)			
1	P16077	Dust Cap			
2	P88133	Pin, Cotter 3/16 x 2-1/2			
3	P88299	Nut, Slotted 1" NF			
4	P64050	Washer Harden, Spindle 1-1/16 ID x 2-12 OD			
5	P16081	Bearing, Outer Cone	2790		
6	P16082	Cup, Outer Bearing	2720		
7	P41054	Hub, 8-Bolt with Cups (Includes 6-8, 16 & 14)			
8	P88143	Grease Fitting 1/4 NPT			
9	P88369	Nut, Lock 5/8 NF			
10	P88298	Bolt 5/8 NF x 4 Gr. 5			
11	P16156	Spindle 2-1/2" Dia. x 14.75 Long			
12	P16080	Seal (Single Lip) (Serial No. 000000 - 454781)	CR25102		
12	P235298	Seal (Triple Lip) (Serial No. 454782 - up)	CR25091		
13	P16083	Bearing, Inner Cone	3780		
14	P16084	Cup, Inner Bearing	3720		
15	P63831	Bolt, Wheel 9/16" NF x 1-1/8" 90 Degree Head			

PARTS EXPRESS

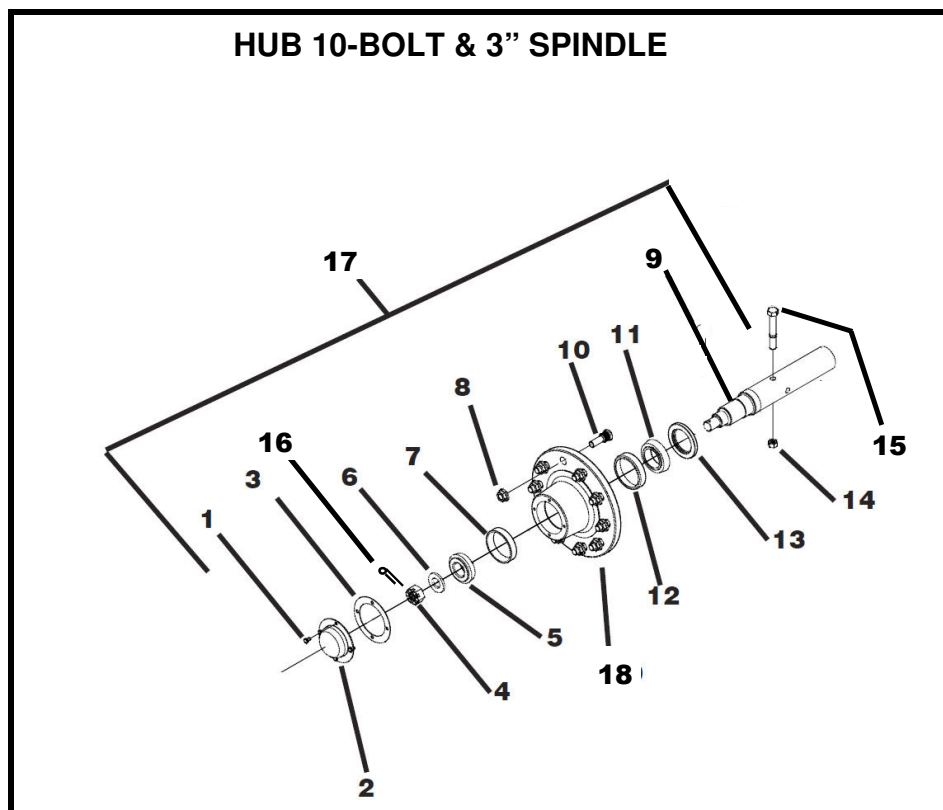
HUBS 8-BOLT HD with 2-1/2" SPINDLE



ITEM	NO	DESCRIPTION	VENDOR No.		STATUS
	P247987	Hub 8-Bolt HD & Spindle Ass'y (Includes 1-8, 11-15)			
1	P88133	Pin, Cotter 3/16 x 2-1/2			
2	P64050	Washer Harden, Spindle 1-1/16 ID x 2-12 OD			
3	P16081	Bearing, Outer Cone	2790		
4	P16082	Cup, Outer Bearing	2720		
5	PW1550	Hub, 8-Bolt with Cups (Includes 4,6,12 & 16)			
6	P88143	Grease Fitting 1/4 NPT			
7	P235298	Seal (Triple Lip) (Serial No. 454782 – up)	CR25091		
8	P16156	Spindle 2-1/2" Dia. x 14.75 Long			
9	P88298	Bolt 5/8 NF x 4 Gr. 5			
10	P88369	Nut, Lock 5/8 NF			
11	P16083	Bearing, Inner Cone	3780		
12	P16084	Cup, Inner Bearing	3720		
13	PW103636	Nut, 9/16 NF			
14	P88299	Nut Slotted, 1" NF			
15	P16077	Dust Cap			
16	PW104213	Stud Bolt 9/16 NF			

PARTS EXPRESS

HUBS 10-BOLT with 3" SPINDLE



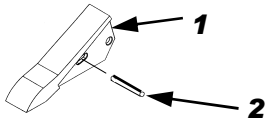
ITEM	NO	DESCRIPTION	VENDOR No.		STATUS
1	P88539	Bolt 5/16 x 1/2 NC			
2	P58381	Dust Cap			
3	P221424	Seal, Dust Cap			
4	PW106396	Nut, Castle 1-1/4 NF			
5	P58378	Bearing, Outer Cone 4.125 OD	453A		
6	P221423	Washer, 2.5 OD x 1.312 ID x .25			
7	P58380	Cup, Outer Bearing 1-3/4	460		
8	P221425	Nut, Flange 3/4 NF			
9	P58375	Spindle, 3" Dia. X 20" long			
10	P58382	Bolt, Wheel 3/4 x			
11	P58379	Bearing, Inner Cone 2-1/2 ID	39585		
12	P58377	Cup, Inner Bearing 4.438 OD			
13	P58383	Seal, Grease	CR30095		
14	P88369	Nut, Lock 5/8 NC			
15	P88369	Bolt, Hex 5/8 x 5 NC			
16	P88133	Pin, Cotter 3/16 x 2			
17	P58309	Hub 10-Bolt & Spindle Ass'y (Includes 1-13, 16)			
18	P58376	Hub 10-Bolt Less Spindle Ass'y (Includes 1-8, 10-13)			

PARTS EXPRESS

357 RIPPER POINTS

R/B = Replaced by

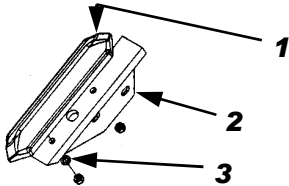
FITS Parabolic & Straight Knife



CAST DUCTILE IRON

ITEM	NUMBER	DESCRIPTION	STATUS
1	P233409	Point, Ripper (3" wide)	
2	P88904	Pin, Roll 1/2 x 2	

FITS Parabolic & Straight Knife

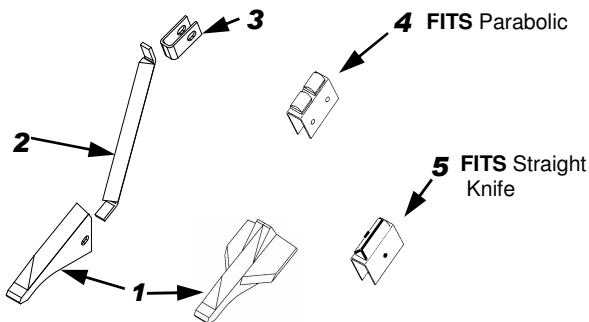


CARBIDE REVERSIBLE

ITEM	NUMBER	DESCRIPTION	STATUS
1	P221414	Point, Ripper	
2	P221398	Base, Ripper Point	Discontinued
3	P88303	Washer, Lock 1/2"	

Items # 1 FITS Parabolic & Straight Knife

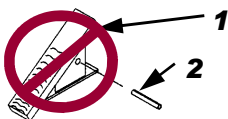
Items # 1, 2 & 3 FITS Minimal Disturbance Shanks



CAST POINT

ITEM	NUMBER	DESCRIPTION	STATUS
1	P234296	Point, Ripper (2" wide)	
1	P236551	Point, 7" Wing -Grade 2	Replaced by P351152
1	P351152	Point, 7" Wing -Grade 5	
2	P234299	Shin Guard	
3	P234300	Clamp, Shin Guard	
4	P53376	Guard -Parabolic	
5	P59254	Guard - Straight Knife	

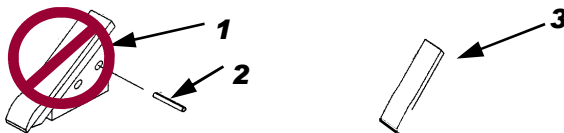
#1 Replaced with Cast Ductile Iron P233409 or Cast Point P234296



HARD FACED

ITEM	NUMBER	DESCRIPTION	STATUS
1	41610	Point, Ripper	R/B P233409 or P234296
2	P88904	Pin, Roll 1/2 x 2	

#1 Replaced with Cast Ductile Iron P233409 or Cast Point P234296

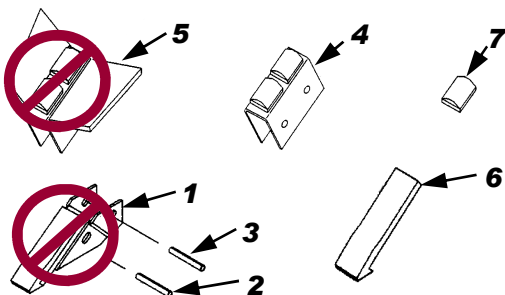


CAST FACED

ITEM	NUMBER	DESCRIPTION	STATUS
1	53260	Point, Ripper	R/B P233409 or P234296
2	P88904	Pin, Roll 1/2 x 2	
3	P53303	Insert, Weld-on	

#1 Replaced with Cast Point P234296

#5 Replaced with Cast Point P236551



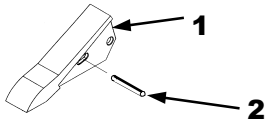
CAST FACED

ITEM	NUMBER	DESCRIPTION	STATUS
1	62391	Point, Ripper	Replaced by P234296
2	P88904	Pin, Roll 1/2 x 2	
3	P89059	Pin, Roll 1/2 x 2-1/2	
4	P53376	Guard	
5	53370	Guard, Winged	Replaced by P351152
6	P53371	Insert, Weld-on	
7	P47739	Shin Guard, Weld-on (Comes 7 pieces in one bar)	

PARTS EXPRESS

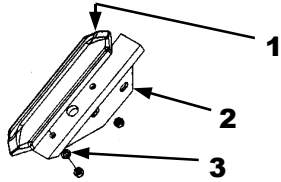
957 & 6600 RIPPER POINTS

R/B = Replaced by



CAST DUCTILE IRON

ITEM	NUMBER	DESCRIPTION	STATUS
1	P233409	Point, Ripper (3" wide)	
2	P88904	Pin, Roll 1/2 x 2	

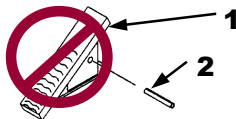


NOTE:

Will not fit 6600 shank with one hole at shank point. Will fit later models with 2 holes.

CARBIDE REVERSIBLE

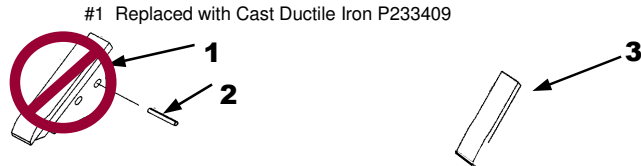
ITEM	NUMBER	DESCRIPTION	STATUS
1	P221414	Point, Ripper	
2	P221396	Base, Ripper Point	Discontinued
3	P88303	Washer, Lock 1/2"	



#1 Replaced with Cast Ductile Iron P233409

HARD FACED

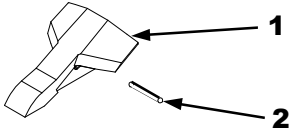
ITEM	NUMBER	DESCRIPTION	STATUS
1	41610	Point, Ripper	R/B P233409
2	P88904	Pin, Roll 1/2 x 2	



#1 Replaced with Cast Ductile Iron P233409

CAST FACED

ITEM	NUMBER	DESCRIPTION	STATUS
1	53269	Point, Ripper	R/B P233409
2	P88904	Pin, Roll 1/2 x 2	
3	P53303	Insert, Weld-on	

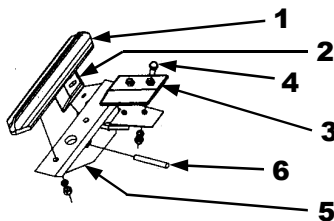


CAST DUCTILE IRON

ITEM	NUMBER	DESCRIPTION	STATUS
1	P221353	Point, Ripper (10" Wing)	
2	P88904	Pin, Roll 1/2 x 2	

CARBIDE REVERSIBLE

ITEM	NUMBER	DESCRIPTION	STATUS
1	P221414	Point, Ripper	
2	P220076	Wing RH	
3	P220075	Wing LH	
4	P88554	Bolt, Hex 1/2 x 1-1/4 NC	
	P88303	Washer, Lock 1/2"	
	P88104	Nut 1/2 Hex NC	
5	P221399	Base, Ripper Point (Winged)	
6	P88904	Pin, Roll 1/2 x 2	

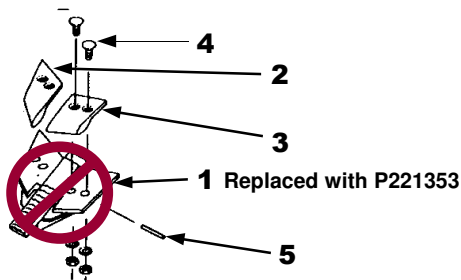


NOTE:

Will not fit 6600 shank with one hole at shank point. Will fit later models with 2 holes.

HARD FACED

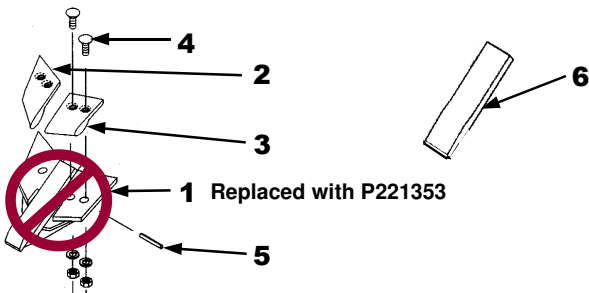
ITEM	NUMBER	DESCRIPTION	STATUS
1	62466	Point, Ripper 10" Wing (Items 2, 3 & 4)	R/B P221353
2	P19396	Wing RH	
3	P19395	Wing LH	
4	P34077	Bolt, Clipped Head Bolt 1/2 x 3/8	
	P88303	Washer, Lock 1/2"	
	P88104	Nut 1/2 Hex NC	
5	P88904	Pin, Roll 1/2 x 2	



#1 Replaced with P221353

CAST FACED

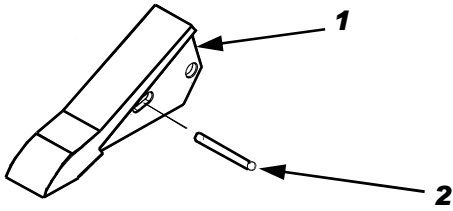
ITEM	NUMBER	DESCRIPTION	STATUS
1	62467	Point, Ripper 10" Wing (Items 2, 3 & 4)	R/B P221353
2	P19396	Wing RH	
3	P19395	Wing LH	
4	P34077	Bolt, Clipped Head Bolt 1/2 x 3/8	
	P88303	Washer, Lock 1/2"	
	P88104	Nut 1/2 Hex NC	
5	P88904	Pin, Roll 1/2 x 2	
6	P53303	Insert, Weld-on Replacement	



#1 Replaced with P221353

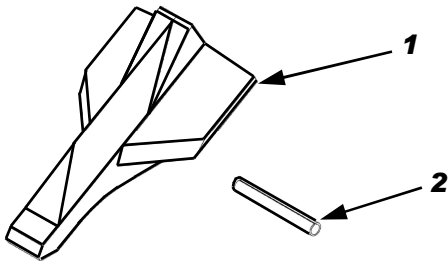
PARTS EXPRESS

SoilPro 513 RIPPER POINTS



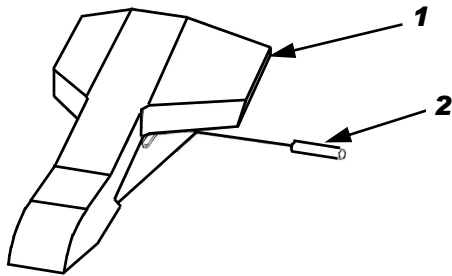
CAST DUCTILE IRON POINT

ITEM	NUMBER	DESCRIPTION	STATUS
1	P233409	Point, Ripper (3" wide)	
2	P89059	Pin, Roll 1/2 x 2-1/2	



CAST POINT

ITEM	NUMBER	DESCRIPTION	STATUS
1	P236551	Point, 7" Wing - Grade 2	Replaced by P351152
1	P351152	Point, 7" Wing - Grade 5	
2	P89059	Pin, Roll 1/2 x 2-1/2	

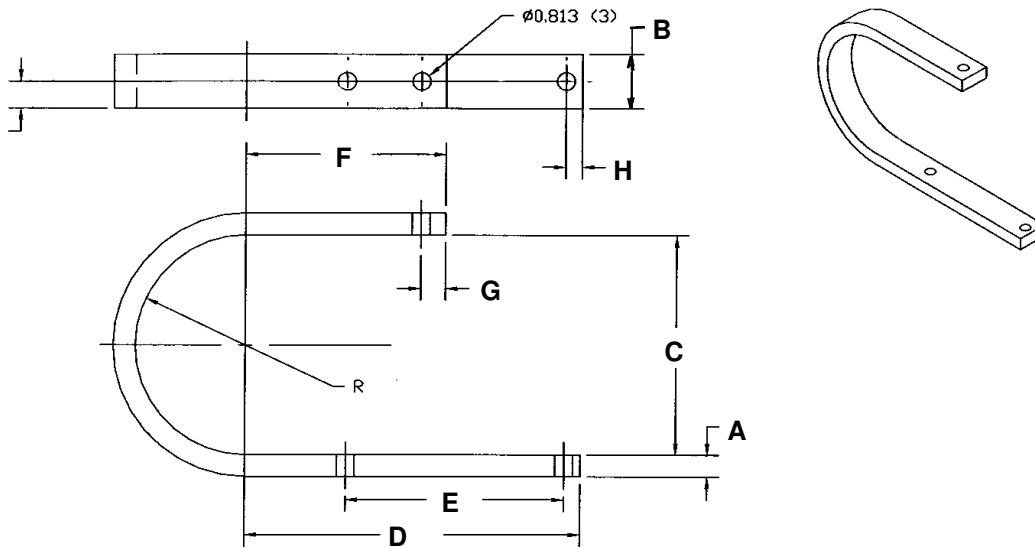


CAST DUCTILE IRON POINT

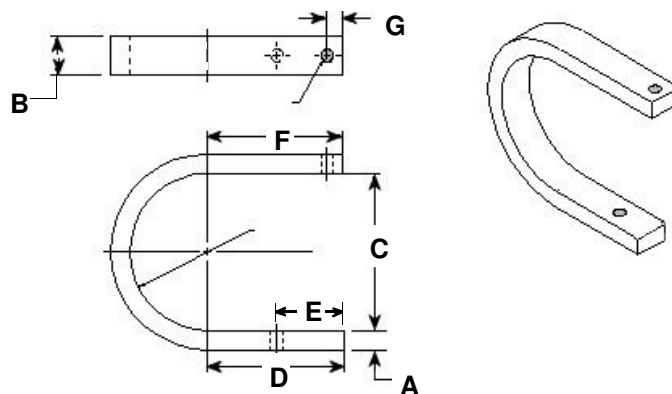
ITEM	NUMBER	DESCRIPTION	STATUS
1	P221353	Point, 10" Wing	
2	P89059	Pin, Roll 1/2 x 2-1/2	

PARTS EXPRESS

C- SPRINGS



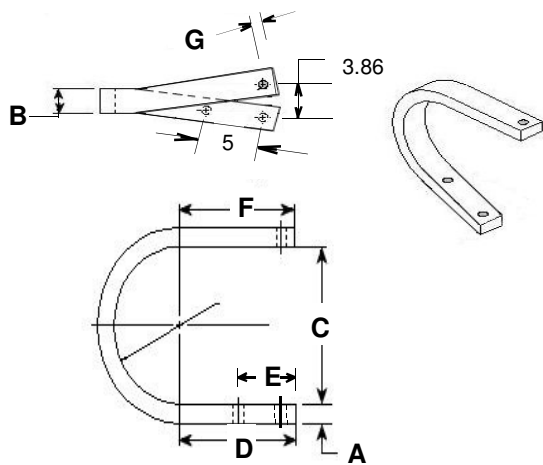
PART NUMBER	A	B	C	D	E	F	G	H	WHERE USED	STATUS
P24648	.75	2.00	9.26	9.37	7.75	8.50	.88	..88	Finishing Disc Disc Field Cultivator	
P41250	1.00	2.00	10.00	9.19	7.75	8.50	.88	.88	Cutter Chisel 4411, 657, 6600	
P25706	1.00	2.50	11.25	11.75	10.00	11.50	1.00	.75	Rolling Plow	
P24520	1.00	2.50	10.25	15.38	9.50	8.00	.9375	1.125	DOT w/ 9-1/2" Spacing	
P24354	1.00	2.50	10.12	15.38	10.00	9.13	1.13	.75	DOT w/ 10" Spacing DC II; Quad-5	
P220670	1.25	2.50	10.12	15.50	10.00	8.75	1.00	1.25	957	



PART NUMBER	A	B	C	D	E	F	G		WHERE USED	STATUS
P42726	1.00	2.50	10.12	9.12	4.50	9.12	1.12		6600	

PARTS EXPRESS

C- SPRINGS



LH SHOWN

PART NUMBER	A	B	C	D	E	F	G		WHERE USED	STATUS
P247981	1.25	3.00	13.00	8.50	7.75	6.0	1.0		Brg Hanger LH SoilPro 513	
P247988	1.25	3.00	13.00	8.50	7.75	6.0	1.0		Brg Hanger RH SoilPro 513	

COULTERS

R/B = Replaced by

W/R PART NUMBER	TYPE	DIA.	THICKNESS	PIOLT HOLE DIA.	BOLT CIRCLE DIA.	NO. OF BOLT HOLES	BOLT HOLE DIA.	WHERE USED	STATUS
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PLAIN COULTER

P234966	Plain	14	0.12	1.25	2.875	6	0.266	Air Till Drill	R/B P23192
P203151	Plain	16	0.170	2.67	3.94	5	0.500	Potato Eqpt.	
P23125	Plain	18	0.138	2.500	4.0	4	0.410	7700	
P23192	Plain	18	0.138	2.500	4.0	4	0.410	7700,	
P63767	Plain	20	0.197	2.500	4.0	4	0.410	PT2200	
P14957	Plain	20	0.157	3.641	5.0	4	0.531	Plow, 357	



FLUTED COULTER

P14400	Fluted	20	0.157	3.641	5.0	4	0.531	Plow, 6600, 357	R/B P234261
*P234261	Fluted	20	0.177	3.97	5.0	4	.531	Plow, 6600, 357	
*P234261	Fluted	20	0.177	3.97	5.25	4	.531	Air Till Drill	
P202290	Fluted	22.5	0.250	4.063	5.25	4	0.531	Potato Eqpt.	

* Has two sets of Bolt Circle 5" & 5-1/4"



WAVE COULTER

P234048	Wave	17	0.157	3.688	5.0	4	0.531	357	
P236705	Wave (8)	17	0.177	3.62	5.0	4	.562	Vertical Tillage Att.	

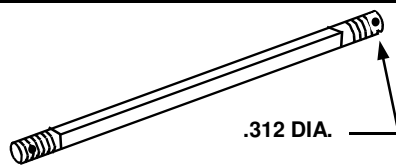


PLAIN CUTTER BLADE

P34001	Plain	20	0.197	1-1/2	NA	NA	NA	6600 & 4411 Cutter Chisel	
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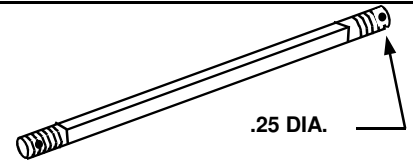
PARTS EXPRESS

WIL-RICH & HUTCH GANG SHAFTS 1-1/2 SQ

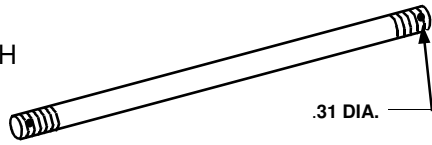


PART No.	LENGTH	STATUS
P223401	34.83	
24480	43.25	Discontinued
P25718	44.08	
24468	52.25	Discontinued
P25719	53.33	
24469	61.25	Discontinued
P25720	62.58	
P24472	70.25	
P25721	71.83	
24473	79.50	Discontinued
P25722	81.08	
P25723	82.33	
24474	88.50	Discontinued
P25724	90.33	
P25725	93.08	
P24475	97.75	
P61191	99.19	
P25726	100.19	
P25727	103.83	
24477	107.25	Discontinued
P25728	108.83	
P25729	114.58	
24479	116.00	Discontinued
P25730	118.08	
24090	125.00	Discontinued
P25731	125.33	
P25732	127.33	
P24145	144.00	
25733	145.83	Discontinued

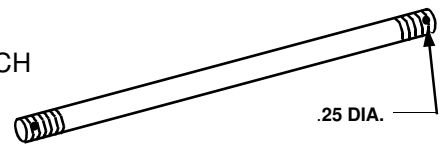
WIL-RICH & HUTCH GANG SHAFTS 1-1/8 SQ



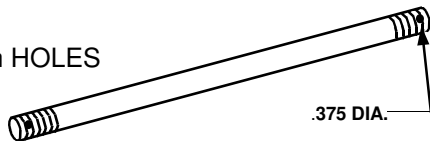
PART No.	LENGTH	STATUS
24702	31.50	Discontinued
24579	34.50	Discontinued
24659	40.50	Discontinued
24699	42.00	Discontinued
P24557	49.50	
P24707	57.00	
24695	58.50	Discontinued
24606	64.50	Discontinued
24635	65.50	Discontinued
P24558	72.00	
24682	76.50	Discontinued
P24633	79.50	
24687	85.50	Discontinued
P24580	87.00	
24583	87.00	Discontinued
24697	94.50	Discontinued
24658	110.00	Discontinued
24694	113.00	Discontinued
24681	122.00	Discontinued
24660	125.00	Discontinued



PART No.	LENGTH		STATUS
24502	43.25		Discontinued
P34098	49.40	4411	Discontinued
24501	52.25		Discontinued
P34096	56.90	4411, 657DCR	
P24494	61.25		
P34101	64.40	657DCR	
P24073	70.50		
P34100	71.90	4411	
P40405	79.40	657DCR	
P24074	79.50		
P54960	86.90	4411, 657DCR	
P24129	88.50		
P54961	94.90	4411, 657DCR	
P24493	97.75		
24183	107.25		Discontinued
24184	116.00		Discontinued
29269	135.00		Discontinued
24093	144.00		Discontinued

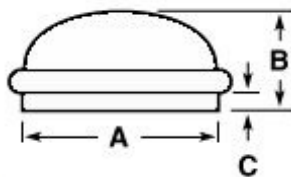


PART No.	LENGTH	STATUS
P24239	72.00	
29035	73.00	Discontinued
P24244	81.25	
P24246	82.50	
P24245	90.50	
P24230	93.00	
24231	98.00	Discontinued
24232	99.75	Discontinued
P24233	103.50	
24237	106.00	Discontinued
P24228	109.00	
P24242	114.50	
P24241	118.00	
24240	122.50	Discontinued
P24234	125.00	
P24229	127.00	

[illegible]

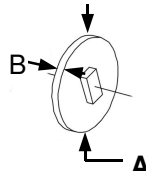
PARTS EXPRESS

DUST CAPS

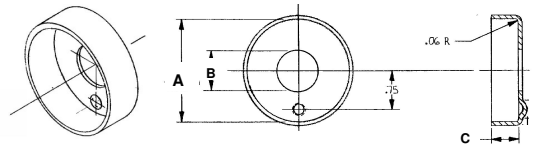


PART NUMBER	A	B	C	WHERE USED	STSTUS
37168	1.687		0.563		Discontinued
P64416	1.938	0.875	0.063	Coulters, (<i>Thurston Flex</i>)	
P23103	1.945	1.000	0.375	Seedbed Finisher	
P23112	1.976	1.156	0.380	Gauge wheel	
P234256	2.313	1.250	0.375	357 Inline Ripper	
P11381	2.446	1.340	0.310	657 DCR, Chisel Plow, Disc FC, Field Cult, Moldboard Plow, Seedbed Finisher, Shredder	
P16077	3.160	1.660	0.380	657 DCR, Chisel Plow, Seedbed Finisher, V957, Sprayer	
P12206	3.380	1.812	0.310	Chisel Plow, Cutter Chisel, Field Cult	

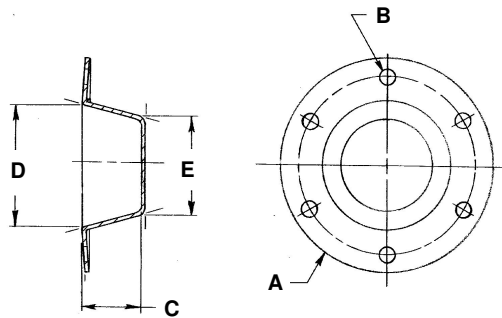
PARTS EXPRESS SPECIAL DUST CAPS



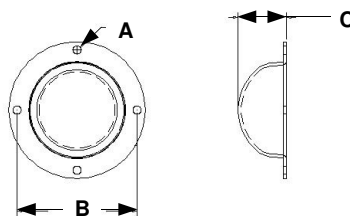
PART NUMBER	A	B	WHERE USED	STATUS
P64228	1.505	0.115	PT2200 Row Marker (1999 – up)	



PART NUMBER	A	B	C	WHERE USED	STATUS
P32008	2.00 ID	0.77	.56	Rolling Shields for Row crop cultivator (1969-2000)	

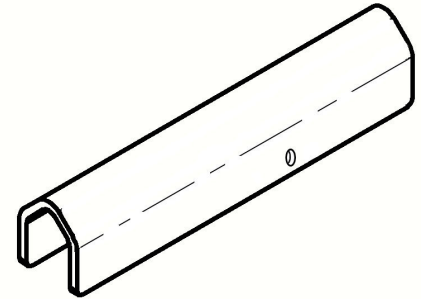
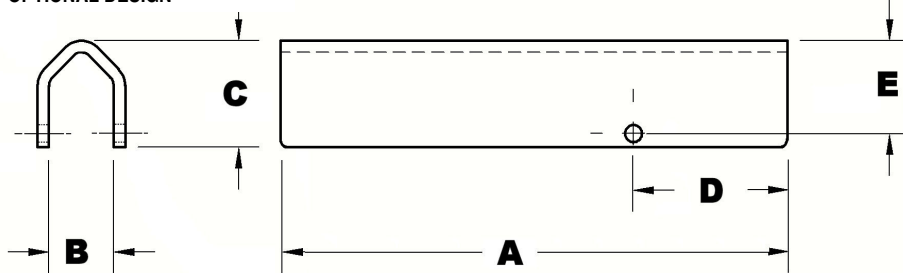


PART NUMBER	A	B	C	D	E	WHERE USED	STATUS
P56951	7.25	6.00 BC	2.00	4.15	3.25	657 DCR & 6600 Ripper (1987– up)	



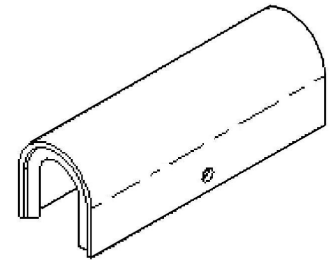
PART NUMBER	A	B	C	WHERE USED	STATUS
58381	0.34	5.00 BC	2.00	657 DCR & 6600 Ripper (1987– up)	
P14367	1/2	5.00	1.75	Plow Coulter & 357 Row Sealer	

CHANNEL LOCKS



1-1/2" & 2" CYLINDER RODS

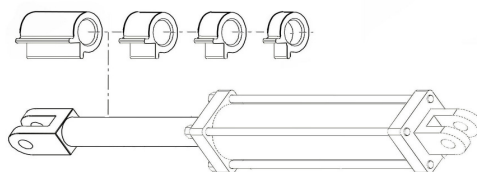
ATD-----AIR TILL DRILL
CP-----CHISEL PLOW
DC III -----DISC FIELD CULTIVATOR
DCR -----DISC CHISEL RIPPER
FC-----FIELD CULTIVATOR
MP -----MOLDBOARD PLOW
R-----RIPPERS



2-1/4" CYLINDER RODS

PART NUMBER	A	B	C	D	E	WHERE USED	STATUS
FOR 1-1/2" CYLINDER RODS							
P16370	4.00	1.50	2.28	2.00	2.00	MP	
P13681	6.00	1.50	2.32	2.00	2.04	SBF, CP, RP	
P19145	7.50	1.53	2.28	2.00	1.96		
P220061	10.00	1.53	2.28	2.00	1.94	FC, CP, DCR, DC III	
FOR 2" CYLINDER RODS							
P13690	6.00	2.00	2.80	2.00	2.49	MP	
P42253	8.00	2.00	2.77	0.75	2.52	SBF, RIPPER	
P236900	12.00	2.07	2.79	0.75	2.49	SBF	
P24890	9.91	2.11	2.53	4.94	2.03		
P241640	11.75	2.11	3.39	5.00	3.02	ATD	
P241584	16.50	2.11	3.39	5.00	2.96	ATD	
FOR 2-1/4" CYLINDER RODS							
PW1978	12.25	2.25	2.61	6.13	5.00	SoilPro	

HYDRAULIC CYLINDER STOPS



Fits shafts 1-3/4", 1-7/8" & 2-1/2"

COLLAR WIDTH	QTY	STATUS
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STOP COLLAR KIT # P59185 INCLUDES

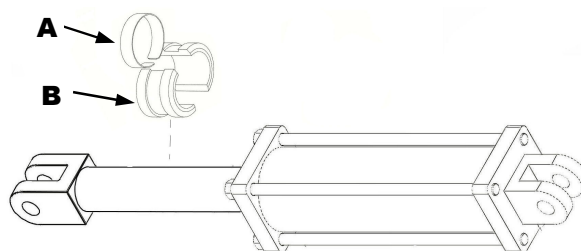
3/4"	1	
1"	1	
1-1/4"	1	
1-1/2"	2	

Fits shafts 1-3/4", 1-7/8" & 2-1/2"

COLLAR WIDTH	QTY
--------------	-----

STOP COLLAR KIT # P63834 INCLUDES

1"	1
1-1/2"	1
2"	1
4-1/4"	1



1-1/2" SHAFT STOP COLLAR KIT # P15113 INCLUDES

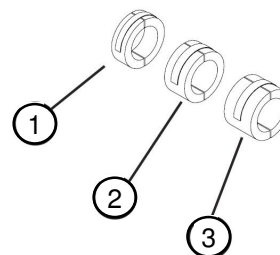
A	B	COLLAR WIDTH	QTY	STATUS
P15112			1	
	P15111	1.50"	2	

2" SHAFT STOP COLLAR KIT # P15116 INCLUDES

A	B	COLLAR WIDTH	QTY	STATUS
P15115			1	
	P15114	1.50"	2	

2-1/4" SHAFT STOP COLLAR

ITEM	NUMBER	DESCRIPTION	STATUS
1	PW105996	Cyl Stop 1" Wide	
1	PW105997	Cyl Stop 1-1/2" Wide	
1	PW108340	Cyl Stop 2" Wide	



PARTS EXPRESS

Paint for all WIL-RICH product (YEARS 1997 through 2011)

Item No. Description



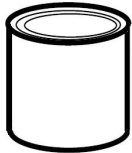
PAINT **Spray Can**

P21816 Black
P65347 Red (1997 – 2011)
P64923 Silver Mist (1997 and up)



Quarts

P65348 Red (1997 – 2011)
P64924 Silver Mist (1997 and up)



Gallon

P65349 Red (1997 – 2011)
P64925 Silver Mist (1997 and up)

RED paint for all WIL-RICH & Amity product (YEARS 2012 – UP) [Check beginning serial numbers below]

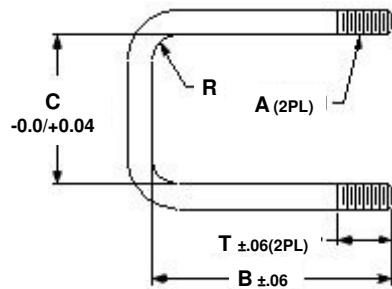


Spray Can

P351481 Red - MF 50 AGCO (2012 and up)

<u>PRODUCT</u>	<u>BEGINNING SERIAL NUMBER</u>
<u>Amity</u>	
Air Seeding & Row Crop Planters	701600
<u>WIL-RICH</u>	
10K Toolbar	460810
1400 Seed Bed Finisher	460810
357 Inline Ripper	460810
513 SoilPro	460591
614NT Tandem Disc	460810
657 DC Disc Chisel	460698
Chisel Plow	460520
DC IV Soil Finisher	460690
Field Cultivator	460733
Flail Shredder	460810
Rolling Packer	460810

PARTS EXPRESS

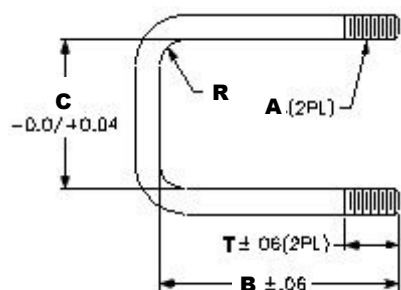


MATERIALC1038
FINISHZINC
THREADS.....CUT or ROLLED

TYPE 1

NUMBER	DESCRIPTION	A	C	B	R	T	STATUS
P89063	U-Bolt 1/4 x 1 x 1-1/2	1/4-20NC	1.03	1.50	0.38	0.50	Discontinued
P88165	U-Bolt 3/8 x 1-1/2 x 2-1/4	3/8-16NC	1.53	2.25	0.38	1.12	
P89106	U-Bolt 3/8 x 2 x 2-3/4	3/8-16NC	2.03	2.75	0.38	1.06	Discontinued
P89278	U-Bolt 3/8 x 2 x 3-1/4	3/8-16NC	2.03	3.25	0.38	1.25	
P88386	U-Bolt 3/8 x 2-1/2 x 3-1/4	3/8-16NC	2.53	3.25	0.38	1.06	
P89352	U-Bolt 3/8 x 3 x 2-1/2	3/8-16NC	3.03	2.50	0.38	1.12	
P89347	U-Bolt 3/8 x 3 x 4-3/4	3/8-16NC	3.03	4.75	0.38	1.06	
P89304	U-Bolt 3/8 x 3-1/2 x 4-1/4	3/8-16NC	3.53	4.25	0.38	1.06	Discontinued
P88515	U-Bolt 3/8 x 4 x 2-3/4	3/8-16NC	4.04	2.75	0.38	1.06	
P88514	U-Bolt 3/8 x 4 x 3-3/4	3/8-16NC	4.04	3.75	0.38	1.06	
P88385	U-Bolt 3/8 x 4 x 4-3/4	3/8-16NC	4.04	4.75	0.38	1.06	
P89040	U-Bolt 3/8 x 4 x 7	3/8-16NC	4.04	7.00	0.38	1.56	
P89280	U-Bolt 3/8 x 5 x 3	3/8-16NC	5.04	3.00	0.38	1.31	
P89069	U-Bolt 3/8 x 5 x 4	3/8-16NC	5.04	4.00	0.38	1.50	
P89358	U-Bolt 3/8 x 6 x 3-3/4	3/8-16NC	6.06	3.75	0.38	1.12	
P89279	U-Bolt 3/8 x 7 x 6-1/4	3/8-16NC	7.07	6.25	0.38	1.25	
P89277	U-Bolt 3/8 x 7 x 8-1/4	3/8-16NC	7.07	8.25	0.38	1.25	
P32897	U-Bolt 7/16 x 2 x 3	7/16-14NC	2.03	3.00	0.19	1.00	
P24329	U-Bolt 1/2 x 11/16 x 3-1/2	1/2-13NC	0.71	3.50	0.08	1.38	
P234503	U-Bolt 1/2 x 2 x 2-3/4	1/2-13NC	2.03	2.75	0.25	1.50	Discontinued
P89139	U-Bolt 1/2 x 2 x 3-1/4	1/2-13NC	2.03	3.25	0.25	1.50	Discontinued
P89096	U-Bolt 1/2 x 2 x 5-1/4	1/2-13NC	2.03	5.25	0.25	1.50	Discontinued
P24217	U-Bolt 1/2 x 2-1/8 x 1-7/8	1/2-13NC	2.13	1.88	0.25	1.13	
P89267	U-Bolt 1/2 x 3 x 4	1/2-13NC	3.03	4.00	0.25	1.50	
P89269	U-Bolt 1/2 x 3-1/2 x 4-3/4	1/2-13NC	3.53	4.75	0.25	1.50	
P89270	U-Bolt 1/2 x 4 x 5-1/4	1/2-13NC	4.04	5.25	0.25	1.50	
P88441	U-Bolt 5/8 x 2 x 3-1/4	5/8-11NC	2.03	3.25	0.25	1.31	
P89380	U-Bolt 5/8 x 2 x 3-1/2	5/8-11NC	2.03	3.50	0.25	1.31	
P88521	U-Bolt 5/8 x 2 x 4	5/8-11NC	2.03	4.00	0.25	1.75	
P88311	U-Bolt 5/8 x 2-1/2 x 3-3/4	5/8-11NC	2.53	3.75	0.38	1.56	
P89143	U-Bolt 5/8 x 2-1/2 x 4-1/2	5/8-11NC	2.53	4.50	0.38	1.50	
P88343	U-Bolt 5/8 x 2-1/2 x 5	5/8-11NC	2.53	5.00	0.38	1.06	
P89327	U-Bolt 5/8 x 3 x 4-1/4	5/8-11NC	3.03	4.25	0.38	1.50	
P88503	U-Bolt 5/8 x 3 x 5-1/4	5/8-11NC	3.03	5.25	0.31	1.31	
P32760	U-Bolt 5/8 x 3 x 4-1/4	5/8-11NC	3.06	4.30	0.38	1.50	Discontinued
P32777	U-Bolt 5/8 x 3 x 9-1/4	5/8-11NC	3.06	9.30	0.38	2.20	
P88388	U-Bolt 5/8 x 4 x 3-1/4	5/8-11NC	4.04	3.25	0.38	1.31	
P88501	U-Bolt 5/8 x 4 x 4-1/4	5/8-11NC	4.04	4.25	0.38	1.31	
P88453	U-Bolt 5/8 x 4 x 4-1/2	5/8-11NC	4.04	4.50	0.25	1.31	
P88145	U-Bolt 5/8 x 4 x 5-1/4	5/8-11NC	4.04	5.25	0.38	1.31	
P45633	U-Bolt 5/8 x 4 x 5-1/2	5/8-11NC	4.04	5.50	0.38	1.25	

PARTS EXPRESS

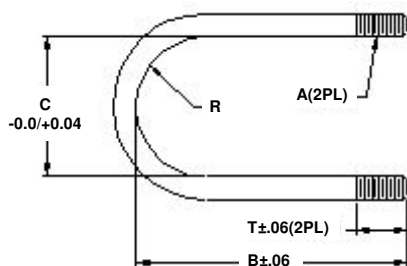


MATERIAL C1038
FINISH ZINC
THREADS CUT or ROLLED

TYPE 1

NUMBER	DESCRIPTION				A	C	B	R	T	STATUS
P89097	U-Bolt 5/8	x	4	x 7-1/4	5/8-11NC	4.04	7.25	0.38	1.50	
P23107	U-Bolt 5/8	x	4	x 3-1/2	5/8-11NC	4.06	3.50	0.38	1.50	
P33865	U-Bolt 5/8	x	4	x 7-1/2	5/8-11NC	4.10	7.50	0.38	1.50	
P89145	U-Bolt 5/8	x	5	x 6 1/2	5/8-11NC	5.04	6.50	0.38	1.50	Discontinued
P89045	U-Bolt 5/8	x	6	x 7-3/8	5/8-11NC	6.06	7.38	0.38	1.50	
P89093	U-Bolt 5/8	x	6	x 5-1/2	5/8-11NC	6.10	5.50	0.38	1.50	
P89351	U-Bolt 5/8	x	7	x 8-1/2	5/8-11NC	7.07	8.50	0.38	1.50	
P23078	U-Bolt 5/8	x	7	x 6-1/2	5/8-11NC	7.10	6.50	0.38	1.50	
P23185	U-Bolt 3/4	x	7	x 8-1/2	3/4-10NC	7.13	8.50	0.38	1.50	
P24282	U-Bolt 3/4	x	8	x 6	3/4-10NC	8.13	6.00	0.50	1.63	
P24159	U-Bolt 7/8	x	6	x 6	7/8-9NC	6.13	6.00	0.50	1.63	
P25693	U-Bolt 7/8	x	6	x 6-1/4	7/8-9NC	6.13	6.25	0.50	1.63	
P24124	U-Bolt 7/8	x	6	x 7-1/4	7/8-9NC	6.13	7.25	0.50	1.50	
P24478	U-Bolt 7/8	x	8	x 6	7/8-9NC	8.13	6.00	0.50	1.63	
P25689	U-Bolt 7/8	x	8	x 7-1/2	7/8-9NC	8.13	7.50	0.50	1.50	

PARTS EXPRESS



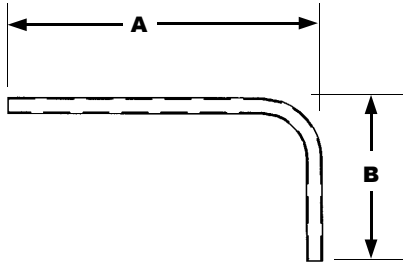
MATERIALC1038
FINISHZINC
THREADS.....CUT or ROLLED

TYPE 2

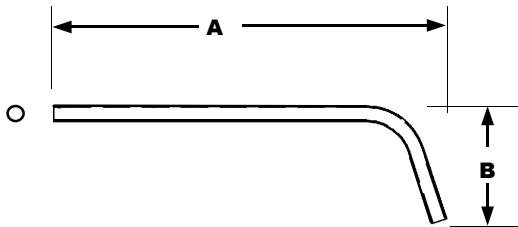
NUMBER	DESCRIPTION	A	C	B	R	T	STATUS
P18280	U-Bolt- 5/16 x 1-1/2 x 2-1/4	5/16-18NC	1.63	2.25	F	1.00	
P88498	U-Bolt- 5/16 x 2 x 2-3/4	5/16-18NC	2.03	2.75	F	1.25	
P89388	U-Bolt- 5/16 x 2-1/2 x 3-1/8	5/16-18NC	2.53	3.12	F	1.38	Discontinued
P32629	U-Bolt- 3/8 x 1-3/4 x 2-3/4	3/8-16NC	1.79	2.75	F	1.38	
P236488	U-Bolt- 3/8 x 2.50 x 3.63	3/8-16NC	2.50	3.63	F	1.88	Discontinued
P89083	U-Bolt- 1/2 x 1-5/8 x 4	1/2-13NC	1.66	4.00	F	1.50	
P32630	U-Bolt- 1/2 x 2-5/8 x 4-1/2	1/2-13NC	2.68	4.50	F	1.25	
P88455	U-Bolt- 5/8 x 1-1/2 x 3	5/8-11NC	1.56	3.06	F	1.25	

PARTS EXPRESS

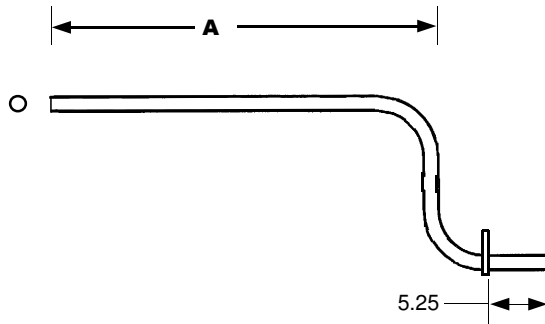
Replacement Parts For Safety Light Arms



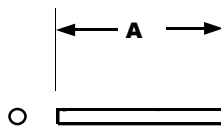
P/N	DESCRIPTION	A	B	STATUS
P223140	Arm, Light	12.0"	12.0"	
P223152	Arm, Light	20.0"	15.5"	
P223158	Arm, Light	26.0"	12.0"	
P223154	Arm, Light	26.0"	24.0"	
P223157	Arm, Light	29.0"	24.0"	
P223155	Arm, Light	29.0"	28.0"	Discontinued
P223153	Arm, Light	30.0"	15.5"	
P223156	Arm, Light	33.0"	27.0"	
P223159	Arm, Light	36.0"	16.5"	
P223132	Arm, Light	36.0"	26.0"	



P/N	DESCRIPTION	A	B	STATUS
P223699	Arm, Light	37.8"	11.0"	



P/N	DESCRIPTION	A	B	C	STATUS
P240238	Arm, Light	36.75"	15.0"	11.6"	



P/N	DESCRIPTION	A	B	STATUS
P223160	Arm, Light	12.00"	—	

WIL-RICH Hydraulics Cylinders and Seal Kit Information

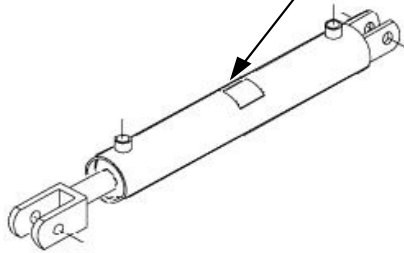
7/14/2011

The Wil-Rich cylinders are available as service parts. When replacing an old Wil-Rich cylinder the adapter noted in Adapter Req column need to be sent with the new cylinders. This adapts the new cylinder o-ring ports to fit the existing pipe thread fittings. The shaded area on the hydraulic cylinder & seal kit chart indicates the cylinders that are no longer available or are replaced in the 5 or 6 generation column, but seal kits are available for the no longer available and current cylinders. As are some serviceable parts too.

GENERATIONS 1, 2, 3 & 4

IMPORTANT

Serial Plate listing code letters



★ **MUST KNOW CODE LETTERS TO ORDER SEAL KITS.**

ABBREVIATIONS:

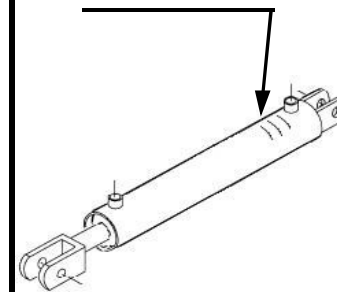
TBP - Top Bypass Ports
ILP - In line Ports
SP - Side Ports
Hyd DC - Depth control
BBP - Bottom Bypass Port
SS - Screw Stop
T/P - Taylor Pittsburgh

GENERATIONS 5 & 6

IMPORTANT

Three lines of Laser etched codes.

- ◆ Manufacture code
- ◆ Date
- ◆ Part number



WIL-RICH "F"& "F1" series cylinder identifacation

Three lines of information etched into the outside of the barrel at the base end of the cylinder.

	<u>ITEM</u>	<u>SAMPLE</u>
★ Line 1.	Manufacturing Code	A519CY99
★ Line 2.	Date Code	- - -
★ Line 3.	Wil-Rich Part Number	123456F1

★ **MUST KNOW TO ORDER SEAL KITS**

WIL-RICH Hydraulics Cylinders and Seal Kit Information

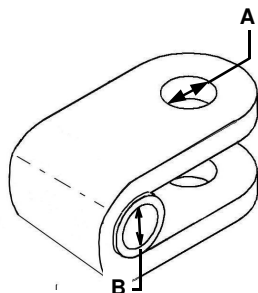
7/13/11

	ORIGINAL RELEASE			2ND GENERATION			3RD GENERATION			4th GENERATION			5th GENERATION 'F' SERIES				6th GENERATION 'F1' SERIES			
Description	WIL-RICH Part No.	Cyl Markings	WIL-RICH Seal Kit #	WIL-RICH Part No.	Cyl Markings	WIL-RICH Seal Kit #	WIL-RICH Part No.	Cyl Markings	WIL-RICH Seal Kit #	WIL-RICH Part No.	Cyl Markings	WIL-RICH Seal Kit #	WIL-RICH Part No.	Cyl Markings	Adapter Req (2ea)	WIL-RICH Seal Kit #	WIL-RICH Part No.	Cyl Markings	Adapter Req (2ea)	WIL-RICH Seal Kit #
2.5x8 W/Shim DC	12860	W	12861																	
3X5.25 ILP													238388F	A519CY23	NONE	239909				
3x6	40768	BB	233831	51237	RH	233831														
3x6 w/ Ext. SS	14558	B	233831	14558	B	233831	51238	RI	233831	51238		233831	51238F	A519CY18	233840	233842	51238F1	A519CY34	233840	233842
3x8	11492	D	233831	11492	D	233831														
3x8 TBP	61328	TPD	233831																	
3x8 SS (1-1/8 Rod)	52389	AG	233831																	
3x8 ILP	18627	DA	233831	18627	DA	233831	51239	RJ	233831				51239F	A519CY12	233840	233842	51239F1	A519CY27	233840	239905
3x8 SS (1-1/8 Rod)	12841	X	233831																	
3x12 ILP	18074	GH	233831	51240	RK	233831							51240F	A519CY09	233840	233729				
3x12 TBP	61319	TPE	233831																	
3X14 ILP	B113145	NONE																		
3x16 (1-1/8 Pin)TBP	61367	TPH	233831																	
3x16 TBP	61325	TPG	233831																	
3x20	13581	N	233831	13581	N	233831														
3x24 ILP	11614	E	233831	11614	T	233831				51241	RL	233831	51241F	A519CY10	233840	233729				
3x30 ILP	20974	TA	233831	51242	RM	233831							51242F	A519CY11	233840	233729				
3.5x8 Hyd DC	12895	C	12896																	
3.5x8 w/Shim DC	12896	Y	233832	12896	Y	233832														
3.5x8 w/o Shim DC	12768	F	233832	12768	F	233832														
3.5x16	22025	NB	233832	51236	RG	233832														
3.5x16	12774	T	233832																	
3.5x24 ILP	11491	O	233832	11491	O	233832	51235	RF	233832	51235		233832	51235F	A519CY14	233840	233810				
3.5x24 (Black)	53159	AH	233832																	
4x6 ILP	22210	BA	233833	22210	BA	233833	51228	RC	233833				51228F	A519CY17	222855	233841	51228F1	A519CY33	222855	233841
4x6.88 TBP SP	19659	PT	233834	42578	PW	233835							42578F	A519CY21	222855	233728	42578F1	A519CY36	222855	239904
4x8 TBPChk Valve	13661	PA	233833																	
4x8 BBP	12974	V	233834																	
4x8 BBP	14522	VB	233834																	
4x8 Hyd DC	12829		12868																	
4x8 TBP w/ Shim DC	12978	P	233834																	
4x8 w/ Shim DC	10220	J	233833																	
4x8 TBP w/o Shim DC	12977	L	233834																	
4x8 T/P	61341	TPB	233833																	
4x8 w/o Shim DC	12710	H	233833																	
4x8 BBP Chk Valve	13665	VA	233833																	
4x8 SP	59354	SP	233833										59354F	A519CY13	222855	233841	59354F1	A519CY28	233841	239906
4x8 TBP ILP	14523	PB	233834	14523	PB	233834	42579	PX	233835	220760	XL	233835	220760F	A519CY19	222855	233728	220760F1	A519CY29	233728	239904
4x8 ILP	13572	I	233833	13572	I	233833	51227	RB	233833				51227F	A519CY01	222855	233841	51227F1	A519CY30	233841	239906
4x9.3 TBP ILP	16211	PE	233834	42580	PY	233835	220761	XM	233835				220761F1	A519CY35	239904	239904				
4x9.30 TBP SP	67687	XA	233835										67687F	A519CY04	233728	233728	67687F1	A519CY31	233728	239904
4x10.8 TBP	16212	PH	233834	42581	PZ	233835	220762	XN	233835	67688	XB	233835	67688F	A519CY05	NONE	233728	67688F1	A519CY25	NONE	239904
4x10.8 TBP SP													240433F	A519CY38	NONE	239904				
4x12.6 TBP SP	67683	XC	233835										67683F	A519CY03	NONE	233728	67683F1	A519CY24	NONE	239904
4x12.56 TBP SP													240432F	A519CY37	NONE	239904				
4x16	12780	U	233833																	
4x16 (1-1/4 Pins)	220913	XO	233833																	
4x16 T/P	61313	TPF	233833																	
4x16 ILP										222213	NONE	233833	222213F	A519CY16	NONE	233838	222213F1	A519CY26	NONE	233838
4x20	16198	FH	233833																	
4x24 SP	17576	KB	233833																	
4x24	11490	K	233833	11490	K	233833	51226	RA	233833				51226F	A519CY08	233839	233730				
4x24 T/P	61310	TPA	233833																	
4x26.25	56237	RN	233833																	
4x30 ILP	20960	KA	233833	51229	RD	233833							51229F	A519CY02	233839	233730				
5x8 Hyd DC	10495	M	233836	10495	M	233836														
5x8 T/P	61335	TPC	233836																	
5x8 SS	13303	Z	233836	13303	Z	233836	13303	AC	233836	13303		233836	13303F	A519CY15	222855	233802	13303F1	A519CY32	222855	239907
5x10 TBP	42256	PV	233837	42256	AF	233837														
5x12 TBP	42255	PU	233837	42255	AE	233837														
5x12 Hyd DC	12061	N	233836																	
5x24 SP	17577	GB	233836																	
5X24	12062	G	233836	12062	AB	233836							12062F	A519CY06	233839	233731				
5x24 (1-1/4 Pin)	67004	AJ	233836																	
5X30	20966	GA	233836	20966	AD	233836							20966F	A519CY07	233839	233731				

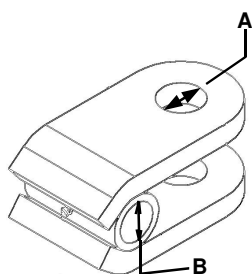
ABBREVIATIONS

CP = Chisel Plow
DCR = Disc Chisel Ripper
DFC = Disc Field Cultivator DC III
FC = Field Cultivators
MP = Moldboard Plow
PB = Planter Bar PT2200
RCC = Row Crop PT 7722
RP = Rolling Packer
RPD = Rolling Plow Disc Harrow
SH = Shredder
SBF = Seed Bed Finisher

CLEVIS HITCH

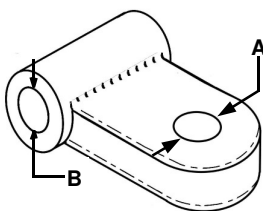


NO	A	B	HITCH WIDTH	Category	WHERE USED	STATUS
P11364	1.31	1.32	4.0	2	FC , DFC, CP, RP, DCR	
P14023	1.03	1.031	4.0	2	MP	
P24484	1.56	1.255	3.88	2	RPD	

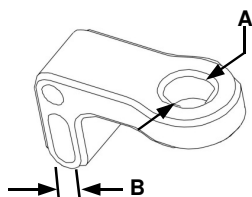


NO	A	B	HITCH WIDTH	Category	WHERE USED	STATUS
P234830	1.62	1.56	4.06	3	CP	

STRAIGHT CAST HITCH



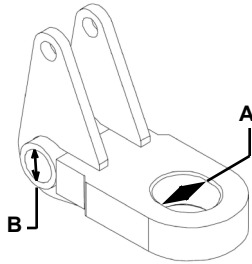
NO	A	B	HITCH WIDTH	Category	WHERE USED	STATUS
P18237	2.12	1.28	4.0	4	FC , DFC, CP, DCR, MP, SH	



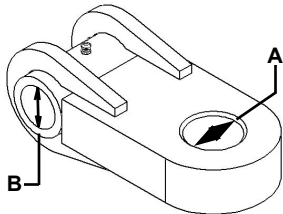
NO	A	B	HITCH WIDTH	Category	WHERE USED	STATUS
P18236	2.25	1.30	4.0	4	FC , DFC, CP, DCR, RCC, PB, SBF,	

PARTS EXPRESS

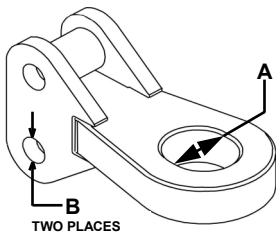
STRAIGHT HITCH



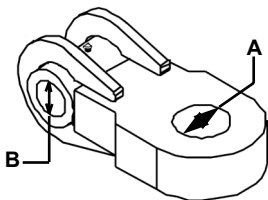
NO	A	B	HITCH WIDTH	Category	WHERE USED	STATUS
P247943	3.0	1.812	5.0	5	SoilPro 513	



NO	A	B	HITCH WIDTH	Category	WHERE USED	STATUS
P69917	2.25	1.812	5.0	4	357 Inline Ripper, DCR 657, DDR 957	

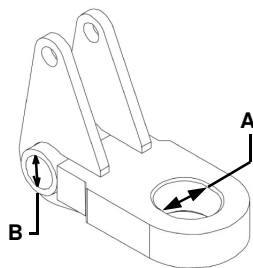


NO	A	B	HITCH WIDTH	Category	WHERE USED	STATUS
P246795	3.0	1.281	3.96	5	XL ² & QX ² Field Cultivator and 5810, 5830, 5850 Chisel Plows	

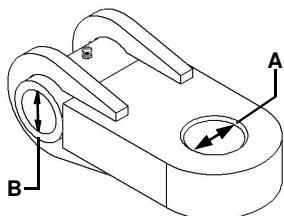


NO	A	B	HITCH WIDTH	Category	WHERE USED	STATUS
P222189	2.25	1.56	4.06	4	5810, 5830, 5850 Chisel Plows	

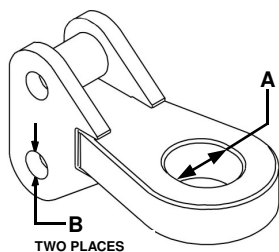
STRAIGHT HITCH



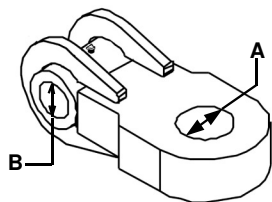
NO	A	B	HITCH WIDTH	Category	WHERE USED	STATUS
P247943	3.0	1.812	5.0	5	SoilPro 513	



NO	A	B	HITCH WIDTH	Category	WHERE USED	STATUS
P69917	2.25	1.812	5.0	4	357 Inline Ripper, DCR 657, DDR 957	

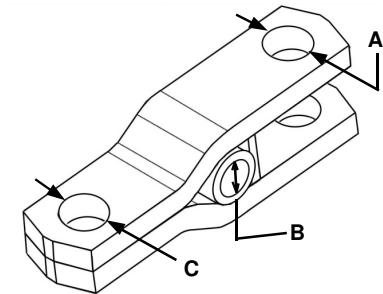


NO	A	B	HITCH WIDTH	Category	WHERE USED	STATUS
P246795	3.0	1.281	3.96	5	XL ² & QX ² Field Cultivator	



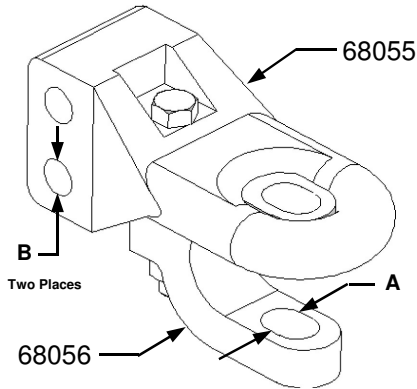
NO	A	B	HITCH WIDTH	Category	WHERE USED	STATUS
P222189	2.25	1.56	4.06	4	5810, 5830, 5850 Chisel Plows	

REVERSIBLE HITCH



NO	A	B	C	HITCH WIDTH	WHERE USED	STATUS
P24874	1.37	1.56	2.19	4.0	Seed Bed Finisher	
P24448	1.88	3.88	2.25	3.88	Disc Harrow – (Wil-Rich & Hutch Master)	

PERFECT HITCH



NO	A	B	HITCH WIDTH	CATEGORY	WHERE USED	STATUS
P68057	2.06	1.25	4.56	3	Field Cultivators, Shredder, Planted Bar PT2200, Row Crop PT7722	