

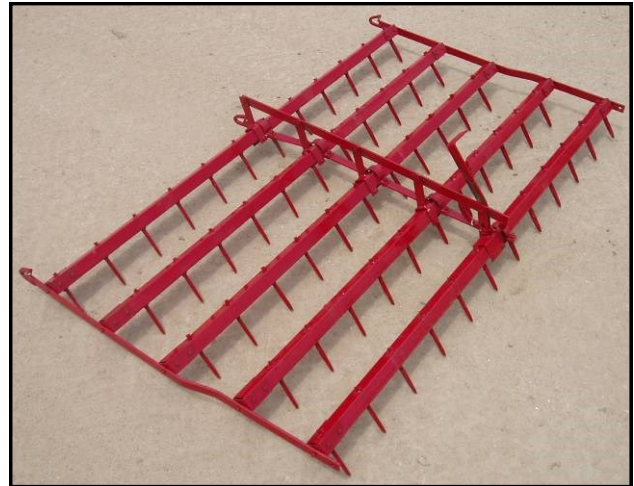


Rigid Harrow Sections

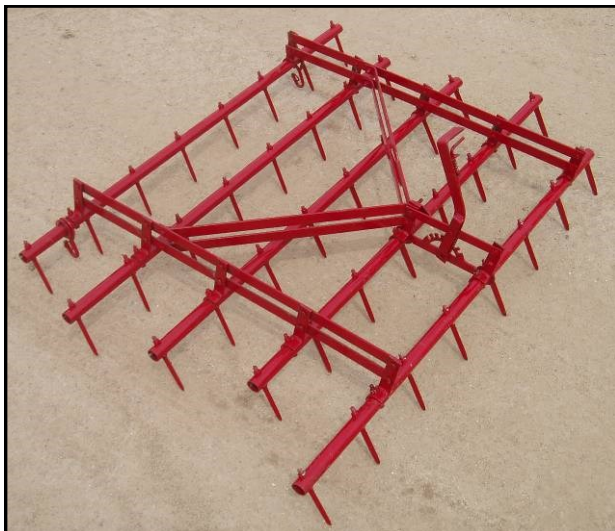
SA Series Closed End Square Bar

- Lever adjustable tooth pitch setting.
- Extra-heavy side bars are offset which gives complete coverage without ridges.
- Lock hooks keep harrow pull chains in place.

Model #	Cutting Width	Approx. Wt.
SA-542	5' 0"	121 lbs
SA-647	6' 0"	130 lbs
SA-757	7' 0"	160 lbs



SO Series Open End Rigid Round Bar

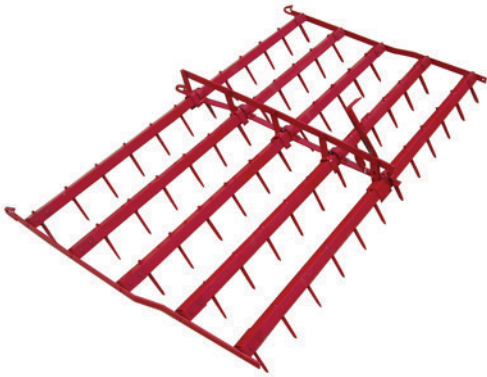


- Double side bars and double adjusting arms provide a strong, rigid section.
- Lay down lever is easy to adjust, fold and store.
- Heavy-duty construction for superior leveling.

Model #	Cutting Width	Approx. Wt.
SO-50	5' 0"	120 lbs
SO-55	5' 6"	123 lbs
SO-60	6' 0"	130 lbs
SO-66	6' 6"	135 lbs

HARROW SECTIONS

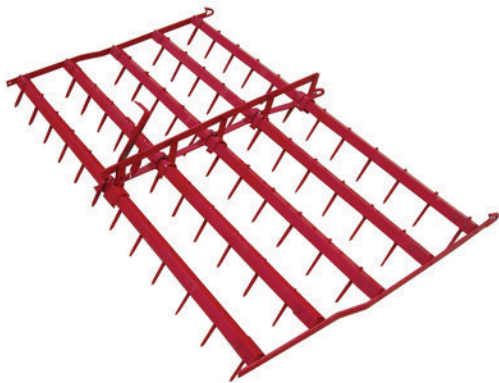
HARROW SECTIONS



5-Bar Closed End Rigid Square Bar Harrow

MODEL	Size	Weight	List Price
SA-542	5'-0"	121 lbs.	\$690
SA-647	6'-0"	130 lbs.	\$716
SA-757	7'-0"	160 lbs.	\$870

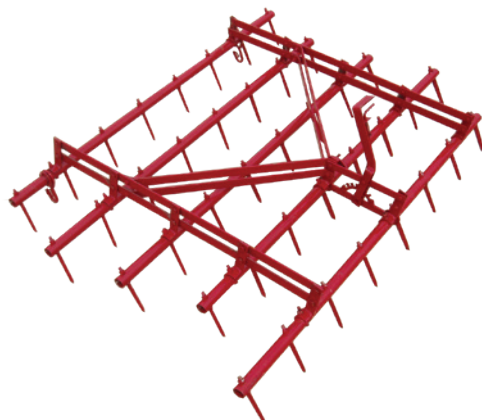
- 2-2" steel tube construction.
- 5/8" x 7/8" diamond high-carbon teeth pressed and welded into square bars.
- Strong center bar for easy teeth pitch adjustment.
- Extra-heavy side bars are offset to provide complete ground coverage without ridges.



5-Bar Closed End Rigid Harrow

MODEL	Size	Weight	List Price
SR-450	4'-6"	92 lbs.	\$683
SR-542	5'-0"	100 lbs.	\$731
SR-647	6'-0"	115 lbs.	\$766
SR-652	6'-6"	122 lbs.	\$825
SR-757	7'-0"	135 lbs.	\$929

- Extra-heavy side bars are offset giving better field coverage with no gaps.
- 5/8" - 7/8" diamond high-carbon teeth, heavy 1/2" shank.
- Lay down lever is convenient to adjust, fold, and store.



5-Bar Open End Rigid Harrow

MODEL	Size	Weight	List Price
SO-50	5'-0"	120 lbs.	\$801
SO-55	5'-6"	123 lbs.	\$809
SO-60	6'-0"	130 lbs.	\$818
SO-66	6'-6"	135 lbs.	\$847

- 5/8" x 7/8" diamond high-carbon teeth shouldered and nitted, heavy 1/2" shanks.
- Strong center bar for easy teeth pitch adjustment.
- Cross braced for added strength and stability.
- Heavy-duty steel construction, bars are 1.66" carbon structural tube.





Flexible Harrow Sections

FH 5-Bar Series Open End Flexible Leverless

- Dual positive pitch settings - 50° or reverse harrow pull for 38°.
- Flexible design reduces chance of plugging.
- Section can be rolled up for storage or transport.

Model #	Cutting Width	Approx. Wt.
FH-40	5' 0"	107 lbs
FH-55	5' 6"	110 lbs
FH-60	6' 0"	115 lbs
FH-66	6' 6"	120 lbs



FH 8-Bar Series Open End Flexible Leverless



- 8 bars for superior leveling.
- Fully flexible harrow sections.
- Dual positive pitch settings - 50° or reverse harrow pull for 38°.

Model #	Cutting Width	Approx. Wt.
FH-500-8	3' 9"	136 lbs
FH-600-8	4' 5"	153 lbs
FH-700-8	5' 3"	170 lbs
FH-800-8	6' 0"	187 lbs
FH-900-8	6' 9"	204 lbs

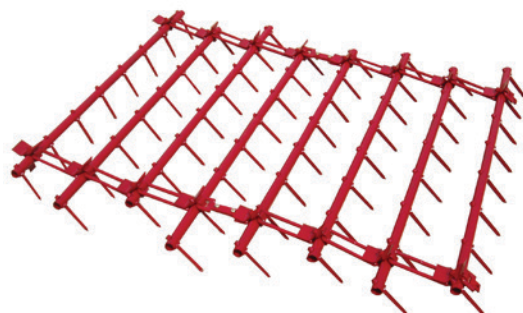
HARROW SECTIONS (CONTINUED)



5-Bar Heavy Duty Open End Flexible Leverless Harrow

MODEL	Size	Weight	List Price
FH-40	5'-0"	107 lbs.	\$574
FH-55	5'-6"	110 lbs.	\$597
FH-60	6'-0"	115 lbs.	\$609
FH-66	6'-6"	120 lbs.	\$621
FH-70	7'-0"	125 lbs.	\$651
FH-80	8'-0"	135 lbs.	\$706

- Reversible sections can be drawn from either end.
- Sections can be rolled for easy transport.



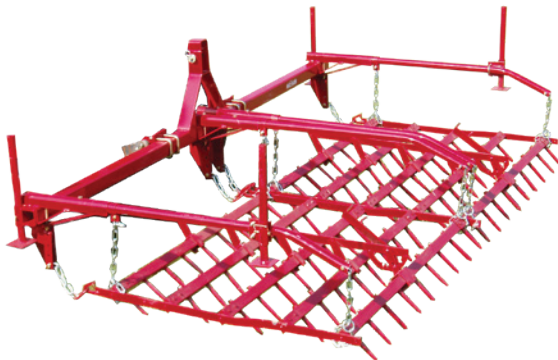
Heavy-Duty 8-Bar Flexible Leverless Harrow Sections

MODEL	Size	Weight	List Price
FH-500-8	3'-9"	136 lbs.	\$781
FH-600-8	4'-5"	153 lbs.	\$819
FH-700-8	5'-3"	170 lbs.	\$890
FH-800-8	6'-0"	187 lbs.	\$962
FH-900-8	6'-9"	204 lbs.	\$1,035

- Fully flexible — won't plug in heavy residue.
- Dual tooth pitch setting — pull one direction at 50° or reverse harrow pull at 38°.
- Fitted with 10 teeth per foot.

3-POINT LIFT HARROWS

3-POINT LIFT DRAWBARS



3-Point Lift Drawbars ONLY for 5-Bar Sections

MODEL	Size	Weight	List Price
9006	6'	150 lbs.	\$1,011
9007	7'	161 lbs.	\$1,051
9010	10'	205 lbs.	\$1,422
9012	12'	218 lbs.	\$1,481
9014	14'	232 lbs.	\$1,525

- 3" heavy structural tube and double braced lift tube brackets.
- Features heavy-duty 1.66" diameter steel tube.
- 24" transport clearances.
- Category I hitch pins.

3-Point Lift Drawbars ONLY for Chain Link Harrow Sections*

MODEL	Size	Weight	List Price
8008-U	8' Cat. 1	275	\$1,689
8010-U	10' Cat. 1	295	\$1,753
8012-U	12' Cat. 1	357	\$2,149
8014-U	14' Cat.1	418	\$2,452

- 3" heavy wall toolbar.
 - 18' transport clearance.
 - Category I hitch.
 - High-strength pull tube for even pull.
- Prices do not include sections.*



40 SERIES FLEXIBLE SPIKE TOOTH HARROWS 3-Point Lift drawbars with 8-Bar Flexible Harrow Sections

MODEL	Size	Weight	List Price
4015S	15'-11"	1751	\$7,540
4020S	21'-1"	1977	\$7,964
4020F	21'-1"	2102	\$11,663
4024F	24'-2"	2240	\$12,219
4027F	27'-2"	2378	\$12,769
4030F	30'-2"	2699	\$13,397

- Category II/III combination hitch.
- 24" transport clearance.
- 6" square heavy-wall structural tube toolbar.
- Gauge wheels included.
- Parking stands for convenient tractor hookup.

(S) Straight/Non-Folding
(F) Folding
Folding units include cylinders and hoses to the center of the unit.



HDL-100 SERIES FLEXIBLE SPIKE TOOTH HARROWS

HDL-100 FLEXIBLE SPIKE TOOTH HARROW



All Hydraulic Forward-Fold Transport Cart

MODEL	Size	Weight	List Price
8-Bar Sections			
HDL-116-8	16'-7"	2,723 lbs.	\$17,270
HDL-118-8	18'-1"	2,778 lbs.	\$17,458
HDL-120-8	19'-6"	2,869 lbs.	\$17,836
HDL-122-8	22'-7"	2,925 lbs.	\$18,052
HDL-124-8	25'-8"	3,293 lbs.	\$20,368
HDL-126-8	27'-1"	3,348 lbs.	\$20,559
HDL-128-8	28'-7"	3,402 lbs.	\$20,769
HDL-130-8	30'-1"	3,458 lbs.	\$20,986
HDL-132-8	31'-7"	4,176 lbs.	\$22,586
HDL-134-8	34'-7"	4,283 lbs.	\$23,033
HDL-136-8	36'-2"	4,341 lbs.	\$23,255
HDL-138-8	37'-8"	4,431 lbs.	\$23,572
HDL-140-8	40'-8"	4,792 lbs.	\$25,673
4+4 Bar Sections			
HDL-116-44	16'-7"	2,807 lbs.	\$17,410
HDL-118-44	18'-1"	2,862 lbs.	\$17,590
HDL-120-44	19'-6"	2,953 lbs.	\$17,949
HDL-122-44	22'-7"	3,009 lbs.	\$18,160
HDL-124-44	25'-8"	3,398 lbs.	\$20,501
HDL-126-44	27'-1"	3,453 lbs.	\$20,681
HDL-128-44	28'-7"	3,507 lbs.	\$20,885
HDL-130-44	30'-1"	3,563 lbs.	\$21,285
HDL-132-44	31'-7"	4,281 lbs.	\$22,826
HDL-134-44	34'-7"	4,388 lbs.	\$23,255
HDL-136-44	36'-2"	4,446 lbs.	\$23,466
HDL-138-44	37'-8"	4,536 lbs.	\$23,759
HDL-140-44	40'-8"	4,918 lbs.	\$26,137

- Hydraulic lift and fold for easy transportation.
- Long, telescoping hitch for easy turning.
- Narrow main frame.
- 32' through 40' models feature a double-trussed square tubular steel center and wing frame.
- Features our FH series open-end flexible sections.

Light kit included in pricing.

APPROXIMATE SETUP TIME:
HDL-100 = 8-10 hours



HDL-1100 SERIES FLEXIBLE SPIKE TOOTH HARROWS

HDL-1000 SERIES FLEXIBLE SPIKE TOOTH HARROW



- Hydraulic cylinders raise and lower harrows without heavy lifting.
- Heavy-duty single fabricated frame of rectangular tubular steel.
- Long hitch for easy turning.
- High-carbon replaceable diamond teeth.
- Features our FH series open-end flexible sections.
- Elimination of wing pull cables allows for greater clearance when turning in field position while being pulled behind another tool.
- Wing transport locks provides positive lock and is easy to use.
- Standard walking axle with optional dual axle available.

APPROXIMATE SETUP TIME:
 HDL-1124-1138 = 8-10 hours
 HDL-1140-1150 = 8-12 hours
 HDL-1152-1160 = 11-13 hours

Heavy Duty All Hydraulic Forward-Fold Transport Cart and Sections

MODEL	Size	Weight	List Price
8-Bar Harrow Sections			
HDL-1124-8	25'-8"	5,510 lbs.	\$27,308
HDL-1126-8	27'-1"	5,309 lbs.	\$27,702
HDL-1128-8	28'-7"	5,362 lbs.	\$28,101
HDL-1130-8	30'-1"	5,458 lbs.	\$28,525
HDL-1132-8	31'-7"	5,512 lbs.	\$28,920
HDL-1134-8	34'-7"	5,667 lbs.	\$29,280
HDL-1136-8	36'-2"	5,720 lbs.	\$29,561
HDL-1138-8	37'-8"	5,774 lbs.	\$30,267
HDL-1140-8	40'-8"	7,965 lbs.	\$34,609
HDL-1142-8	42'-2"	8,018 lbs.	\$34,981
HDL-1144-8	43'-8"	8,073 lbs.	\$35,364
HDL-1146-8	45'-2"	8,126 lbs.	\$36,015
HDL-1148-8	48'-3"	8,294 lbs.	\$38,794
HDL-1150-8	49'-9"	8,288 lbs.	\$39,219
HDL-1152-8	51'-3"	9,285 lbs.	\$40,525
HDL-1154-8	54'-3"	9,823 lbs.	\$42,805
HDL-1156-8	55'-9"	9,950 lbs.	\$44,798
HDL-1158-8	57'-3"	9,969 lbs.	\$44,966
HDL-1160-8	60'-4"	10,112 lbs.	\$45,364

MODEL	Size	Weight	List Price
4+4-Bar Harrow Sections			
HDL-1124-44	25'-8"	5,412 lbs.	\$27,685
HDL-1126-44	27'-1"	5,210 lbs.	\$28,062
HDL-1128-44	28'-7"	5,264 lbs.	\$28,448
HDL-1130-44	30'-1"	5,360 lbs.	\$28,864
HDL-1132-44	31'-7"	5,413 lbs.	\$29,429
HDL-1134-44	34'-7"	5,569 lbs.	\$29,589
HDL-1136-44	36'-2"	5,621 lbs.	\$29,864
HDL-1138-44	37'-8"	5,676 lbs.	\$30,553
HDL-1140-44	40'-8"	7,834 lbs.	\$36,192
HDL-1142-44	42'-2"	7,887 lbs.	\$36,563
HDL-1144-44	43'-8"	7,942 lbs.	\$37,057
HDL-1146-44	45'-2"	7,995 lbs.	\$37,261
HDL-1148-44	48'-3"	8,103 lbs.	\$40,372
HDL-1150-44	49'-9"	8,157 lbs.	\$40,801
HDL-1152-44	51'-3"	8,975 lbs.	\$42,195
HDL-1154-44	54'-3"	9,592 lbs.	\$44,631
HDL-1156-44	55'-9"	9,718 lbs.	\$46,690
HDL-1158-44	57'-3"	9,738 lbs.	\$46,862
HDL-1160-44	60'-4"	9,980 lbs.	\$47,340

Dual axle option - subtract \$1,230 from list price. Radial tires are now available - additional \$1,590 on top of list price.



HDL-1100 (CONTINUED)

MODEL	Size	Weight	List Price
6+6-Bar Harrow Sections			
HDL-1124-66	25'-8"	5,923 lbs.	\$30,898
HDL-1126-66	27'-1"	6,025 lbs.	\$32,237
HDL-1128-66	28'-7"	6,075 lbs.	\$32,738
HDL-1130-66	30'-1"	6,167 lbs.	\$33,198
HDL-1132-66	31'-7"	6,267 lbs.	\$33,670
HDL-1134-66	34'-7"	6,504 lbs.	\$34,169
HDL-1136-66	36'-2"	6,713 lbs.	\$34,810
HDL-1138-66	37'-8"	6,933 lbs.	\$35,215
HDL-1140-66	40'-8"	8,913 lbs.	\$41,165
HDL-1142-66	42'-2"	9,013 lbs.	\$41,614
HDL-1144-66	43'-8"	9,111 lbs.	\$42,062
HDL-1146-66	45'-2"	9,208 lbs.	\$42,467
HDL-1148-66	48'-3"	9,399 lbs.	\$45,718
HDL-1150-66	49'-9"	9,608 lbs.	\$46,221
12-Bar Sections			
HDL-1124-12	25'-8"	5,916 lbs.	\$30,350
HDL-1126-12	27'-1"	5,978 lbs.	\$30,832
HDL-1128-12	28'-7"	6,082 lbs.	\$31,314
HDL-1130-12	30'-1"	6,110 lbs.	\$31,809
HDL-1132-12	31'-7"	6,143 lbs.	\$32,270
HDL-1134-12	34'-7"	6,314 lbs.	\$32,771
HDL-1136-12	36'-2"	6,375 lbs.	\$33,418
HDL-1138-12	37'-8"	6,438 lbs.	\$33,923
HDL-1140-12	40'-8"	8,791 lbs.	\$39,219
HDL-1142-12	42'-2"	8,852 lbs.	\$39,667
HDL-1144-12	43'-8"	8,914 lbs.	\$40,117
HDL-1146-12	45'-2"	8,976 lbs.	\$40,520
HDL-1148-12	48'-3"	9,100 lbs.	\$43,779
HDL-1150-12	49'-9"	9,162 lbs.	\$44,280

MODEL	Size	Weight	List Price
16-Bar Harrow Sections			
HDL-1124-16	25'-8"	6,444 lbs.	\$32,256
HDL-1126-16	27'-1"	6,514 lbs.	\$33,059
HDL-1128-16	28'-7"	6,630 lbs.	\$33,406
HDL-1130-16	30'-1"	6,626 lbs.	\$34,815
HDL-1132-16	31'-7"	6,695 lbs.	\$35,339
HDL-1134-16	34'-7"	6,882 lbs.	\$35,985
HDL-1136-16	36'-2"	6,951 lbs.	\$36,621
HDL-1138-16	37'-8"	7,022 lbs.	\$37,298
HDL-1140-16	40'-8"	9,519 lbs.	\$43,450
HDL-1142-16	42'-2"	9,588 lbs.	\$43,963
HDL-1144-16	43'-8"	9,658 lbs.	\$44,484
HDL-1146-16	45'-2"	9,728 lbs.	\$44,953
HDL-1148-16	48'-3"	9,868 lbs.	\$48,369
HDL-1150-16	49'-9"	9,938 lbs.	\$48,550
8+8-Bar Harrow Sections			
HDL-1124-88	25'-8"	6,540 lbs.	\$34,044
HDL-1126-88	27'-1"	6,610 lbs.	\$34,461
HDL-1128-88	28'-7"	6,722 lbs.	\$34,824
HDL-1130-88	30'-1"	6,726 lbs.	\$36,205
HDL-1132-88	31'-7"	6,791 lbs.	\$36,737
HDL-1134-88	34'-7"	6,978 lbs.	\$37,382
HDL-1136-88	36'-2"	7,047 lbs.	\$38,012
HDL-1138-88	37'-8"	7,118 lbs.	\$38,592
HDL-1140-88	40'-8"	9,648 lbs.	\$45,396
HDL-1142-88	42'-2"	9,717 lbs.	\$45,907
HDL-1144-88	43'-8"	9,787 lbs.	\$46,426
HDL-1146-88	45'-2"	9,856 lbs.	\$46,903
HDL-1148-88	48'-3"	9,997 lbs.	\$50,310
HDL-1150-88	49'-9"	10,067 lbs.	\$50,905

Light kits now included in base price. Walking axle is standard and included in base price



WDL-2100 SERIES FLEXIBLE SPIKE TOOTH HARROWS



- Single piece main frame for long lasting durability.
- 7" square tool bar on all sizes.
- Dual transport wing axle provides better flotation and is more stable in the transport position.
- Maintenance free pivot joints on wing pull and wing axle.
- Standard walking axle for smooth ride at high speeds.
- 14L-16 tires option for greater flotation.
- 15'-9" transport width.
- 1 $\frac{3}{4}$ " hinge pins and welded hinge knuckles.

MODEL	Size	Weight	List Price
WDL-2160-16	60'-4"	12,174 lbs.	\$71,248
WDL-2170-16	69'-5"	13,632 lbs.	\$75,242
WDL-2180-16	80'-0"	15,107 lbs.	\$82,436
WDL-2190-16	90'-0"	16,400 lbs.	\$88,563

Light Kits now included in base price. Dual axle available.

- Wing pull / auto backup makes converting to transport position one step and allows the operator to back the unit without completely converting to the transport position.
- Hydraulic wing transport wheels enable operator to steer wings for easier folding and unfolding.
- Features our FH series open end flexible harrows.
- Available in 8, 4+4, 12, 6+6, and 8+8 harrow configurations.

*Dual axle option - subtract \$1,230 from list price.
Radial tires are now available - additional \$2,120 on top of list price.*

