

# H&S

## FORAGE BOXES



# XTRACAP FORAGE BOXES

XTRACAP forage boxes are available in 17', 19', and 21' lengths with a chain or twin auger cross-conveyor unload system.



H&S uses three - 18" 4 bar H.D. spiral type beaters - not augers. Aggressive in handling tough material, they are even feeding. All three beaters are mounted in the head, not auxiliary panels in the box. Beater shafts are 1 1/4" equipped with greasable bearings.



H&S utilizes a deep stagger beater design. The beaters turn progressively faster from top to bottom. The slow turning top beater does not pitch chunks forward, it undercuts the heap and feeds tough material down where the bottom beaters go to work delivering a smooth even flow to the cross conveyor.

The cross conveyor is 22" wide and is equipped with 550 roller chain. The cross conveyor extends 12" beyond the side of the head. An optional 12" or 24" folding cross conveyor extension is available for apron unload models.

# STANDARD FEATURES



Shields are removed for viewing



Shields are removed for viewing

A simple trouble-free variable speed drive lets you match just the right unload speed to the crop type, load condition and blower capacity.

A bronze worm gear is standard.

The main apron drive shaft is 1 3/4".

Main apron unload rate is variable and ranges from 9" up to 12'6"/minute.

#80 drive chain drives the main apron drive shaft.

A separate dual belt drive clutch allows you to start and clear the beaters before you start the main apron conveyors. The HD clutch can be used to engage just the cross conveyor, the cross conveyor and beaters, or the cross conveyor, beaters and main floor apron in any speed.

The emergency stop mechanism is built into the drive unit and can be activated from the front, sides or rear of the box.

## FRONT UNLOAD FORAGE BOX SPECIFICATIONS

MODEL - FLOOR/LOAD LENGTH →	16'	XTRACAP 17'	18'	XTRACAP 19'	XTRACAP 21'
CAPACITY W/ROOF - ASAE STANDARD	831 FT <sup>3</sup>	939 FT <sup>3</sup>	982 FT <sup>3</sup>	1051 FT <sup>3</sup>	1163 FT <sup>3</sup>
INSIDE WIDTH	7'4" (ALL MODELS)				
INSIDE HEIGHT (floor to roof)	93"	99"	97"	99"	99"
OVERALL LENGTH	19'3"	20'3"	21'3"	22'3"	24'3"
OVERALL WIDTH	107" (ALL MODELS)				
OVERALL HEIGHT (bolster to roof)	114"	120"	118"	120"	120"
WEIGHT HD 7+4	4250#	4550#	4650#	4950#	5350#
HD TWIN AUGER	4300#	4600#	4700#	5000#	5400#
T-ROD MAIN APRON CHAIN (standard) 667H PINTLE CHAIN	4 - 16,000# TENSILE — 64,000# COMBINED TENSILE 4 - 10,000# TENSILE — 40,000# COMBINED TENSILE				
CROSS FEED - HD 7+4	22" WIDE - CA550 CHAIN WITH WELDED SLATS / RIGHT OR LEFT HAND DISCHARGE				
CROSS FEED - HD TWIN AUGER	2 - 10" SIDE BY SIDE AUGERS — EQUIPPED WITH ADJUSTABLE HOLD-DOWNS — 22" WIDE — LEFT HAND ONLY				
UNLOADING BEATERS	3 - 18" - 4 BAR SPIRAL — EVEN FEED				
MAIN APRON SPEED	VARIABLE SPEED DRIVE — UNLOAD RATE - 9" PER MIN. UP TO 12'6" PER MIN.				
DRIVE SEQUENCE	H&S BRONZE WORM GEAR BOX — #80 ROLLER CHAIN — 1 3/4" MAIN APRON DRIVE SHAFT				
POWER SOURCE	540 PTO OR HYDRAULIC DRIVE				
EMERGENCY STOP CLUTCH	STANDARD ON HD & HD FRONT AND REAR UNLOAD				
OPTIONS	12" FOLDING BUNK EXTENSION FOR HD 7+4 MODELS				
<b>TRANSPORT LIGHTS AND HOLD DOWN KITS ARE STANDARD EQUIPMENT ON ALL BOXES</b>					



Front hydraulic drive is optional.



The twin augers extend 11" beyond the side of the head. A built in auger extension is standard and eliminates spillage between box and blower.

# HD FORAGE BOX

HD Forage Boxes are available in 16' and 18' lengths with a chain or twin auger cross-conveyor unload system.



The twin auger utilizes two - 10" high speed cross augers equipped with hold-downs and wipers. The auger housings are poly-lined to reduce build-up.



## Transport Lights

Transport lights are standard on all H&S boxes. Picture to the left is the light configuration on front unload boxes. Pictured to the right is the configuration for rear unload boxes.



# FRONT AND REAR UNLOAD FORAGE BOXES

Front and rear unload forage boxes are available in XTRACAP or HD models with a chain or cross-conveyor unload system.

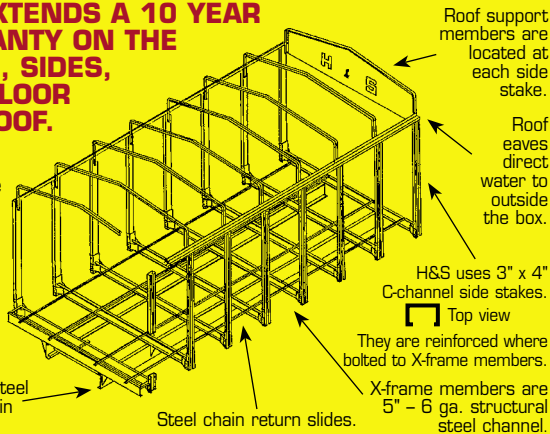


## H&S SOLID CONSTRUCTION

**H&S EXTENDS A 10 YEAR WARRANTY ON THE FRAME, SIDES, END, FLOOR AND ROOF.**

Box sides and end are of 20 ga. - corrosion resistant aluminized steel. Bolted.

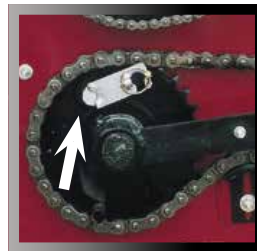
10" - 7 ga. structural steel channel main stringers.



**ALL STEEL WELDED SUBFRAME**

## SWITCH FROM FRONT TO REAR QUICKLY AND EASILY BY PLACING A SINGLE PIN.

The HD 7+4 front and rear unload boxes have the option of being ordered with P.T.O. rear drive or hydraulic rear drive. The HD Twin Auger front and rear unload boxes come with hydraulic rear drive only.



To switch to rear unload simply remove the drive lock pin from the front and insert it into the rear apron drive sprocket. A three shaft system (drive, tightener and idler shafts) maintain proper chain tension and positive drive.

When being used as a front unload box, the drive lock pin is locked into the main apron drive sprocket.

Once the tailgate safety lock is released, the self-locking mechanism unlocks automatically while unloading and locks shut when the tailgate closes.



## FRONT AND REAR UNLOAD FORAGE BOX SPECIFICATIONS

The FRONT AND REAR BOX is available in either HD 7+4 or HD TWIN AUGER configurations. Specifications are the same with the following exceptions.

MODEL - FLOOR/LOAD LENGTH →	XTRACAP			XTRACAP	
	16'	17'	18'	19'	21'
CAPACITY W/ROOF	852 FT <sup>3</sup>	960 FT <sup>3</sup>	1003 FT <sup>3</sup>	1072 FT <sup>3</sup>	1184 FT <sup>3</sup>
WEIGHT	ADD 520# TO HD BOX WEIGHTS				
MAIN APRON CHAIN	667H PINTLE - 10,000# X 4			667X PINTLE - 21,000 X 4	
REAR UNLOAD DRIVE	HD 7+4 CHOICE OF HYDRAULIC DRIVE OR P.T.O. DRIVE. / HD TWIN AUGER HYDRAULIC REAR DRIVE ONLY				
REAR UNLOAD SPEED	UNLOAD TIME IS DEPENDENT ON TRACTOR R.P.M., HYDRAULIC PRESSURE AND G.P.M.				
REAR ENDGATE	AUTOMATIC LOCK AND UNLOCK				

# H & S POWER BOX

16' and 18' rear unload power boxes are available in either trailer or truck mount.



H&S engineered this box for bulk hauling and unloading in bunk or pit storage facilities. Available in trailer or truck mounts.



The heavy duty tailgate is constructed to stand up to the pounding of heavy loads. High pivot points assure crop clearance while unloading.



The H&S power box is hydraulically driven. Unload time is dependent on tractor R.P.M., hydraulic pressure, and G.P.M.

## REAR UNLOAD FORAGE BOX SPECIFICATIONS

MODEL - FLOOR/LOAD LENGTH →	18'	20'
CAPACITY W/ROOF	994 FT <sup>3</sup>	1106 FT <sup>3</sup>
INSIDE WIDTH	7'4" (BOTH MODELS)	
OVERALL LENGTH	19'6"	21'6"
OVERALL WIDTH	104"	104"
OVERALL HEIGHT	118"	118"
WEIGHT	3650#	4050#
MAIN APRON CHAIN	667H PINTLE - 10,000# X 4 IS STANDARD — 16,000# X 4 T-ROD IS OPTIONAL	
MAIN APRON DRIVE	CHOICE OF HYDRAULIC DRIVE OR P.T.O. DRIVE	
UNLOAD SPEED	UNLOAD TIME IS DEPENDENT ON TRACTOR R.P.M., HYDRAULIC PRESSURE AND G.P.M.	
REAR ENDGATE	AUTOMATIC LOCK AND UNLOCK	

H & S RECOMMENDS 4 WHEEL GEARS FOR USE UNDER POWER BOXES.

Warranty: See operators manual for warranty details and limitations. H&S reserves the right to change its products or the description at any time without notice or obligation.



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Models and specifications are subject to change without prior notice.

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