

H&S

**X & HDX
RAKES**



X-RAKE FEATURES



The H&S X-Series Rakes feature a highly maneuverable short turning radius, no caster wheel design, and an overhead frame design for high volume capacity of Crop.

The variable main frame width adjustment opens symmetrically. Hitch height and beam fore and aft tilt are controlled by a simple ratchet jack.

The hydraulic beam angle kit (A) adjusts right and left beam angles.

- Toggle switch up adjusts left beam angle.
- Toggle switch neutral adjusts main frame width.
- Toggle switch down adjusts right beam angle.

X-Series Rakes have a hydraulic adjust beam angle as standard equipment.



Tandem ST175/80D13 tires w/rims (B) are standard equipment.



Like all H&S Rakes, the X-Series Rakes have a proven ground pressure system and rake arm design. The X-13 & X-15 Rakes have 100% coverage, there is no need for center kicker wheels. The 3 wheel extension can be locked up if not needed. All models of the X-Series Rakes also feature one side raking with either side.

X-RAKE OPTIONS & CONFIGURATIONS

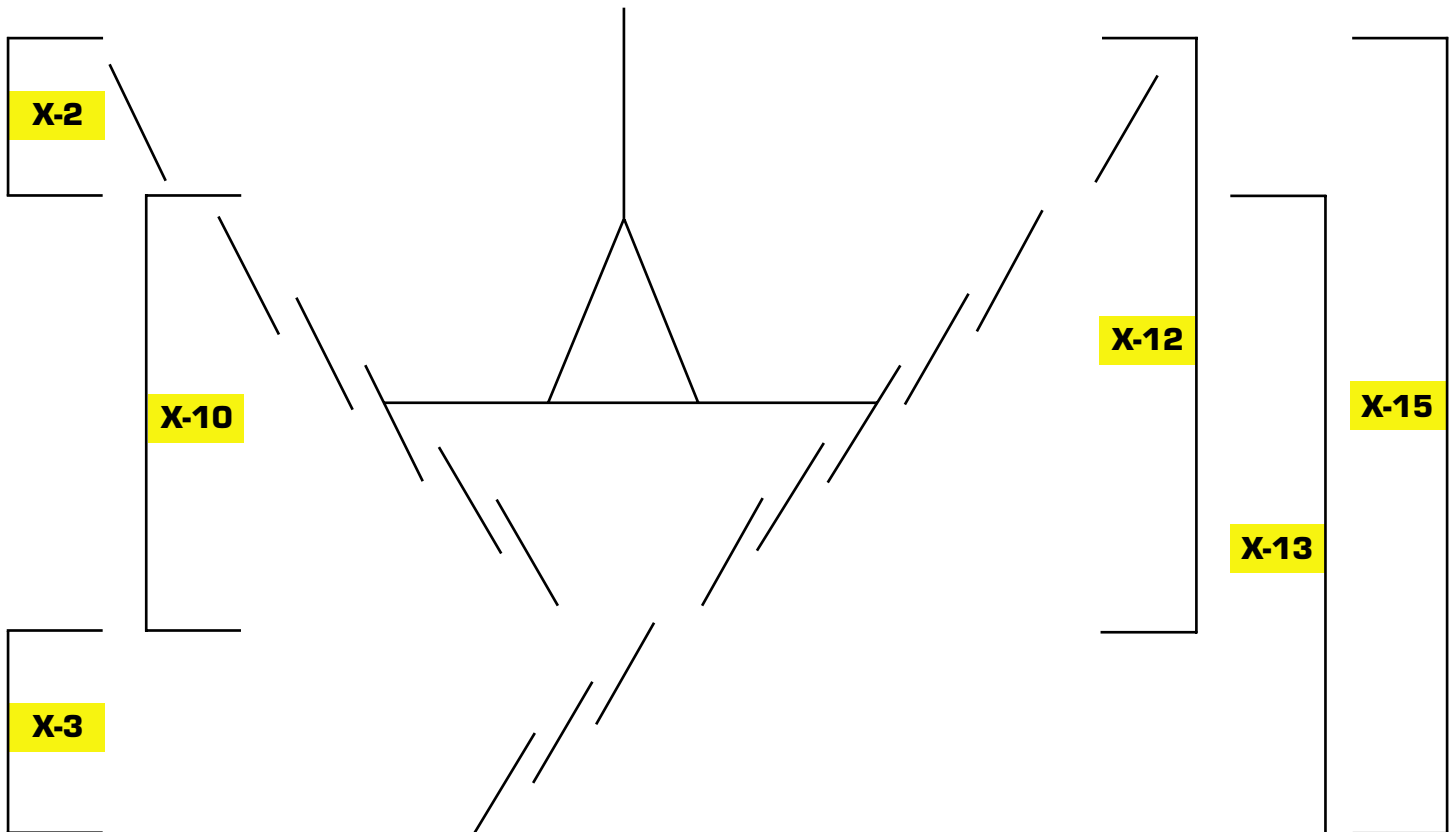
X-Rake Configurations

(See schematic below)

- | | |
|---|-------------------------------------|
| X-2: 2 Wheel Front Extension. | X-12: 12 Wheel V-Style Rake. |
| X-3: Right Rear Extension. | X-13: 13 Wheel Y-Style Rake. |
| X10: 10 Wheel V-Style Rake.
(Base Rake) | X-15: 15 Wheel Y-Style Rake. |



Optional rake wheel wind boards help to keep the crop from wrapping on the rake wheels.



HDX RAKE OPTIONS & CONFIGURATIONS

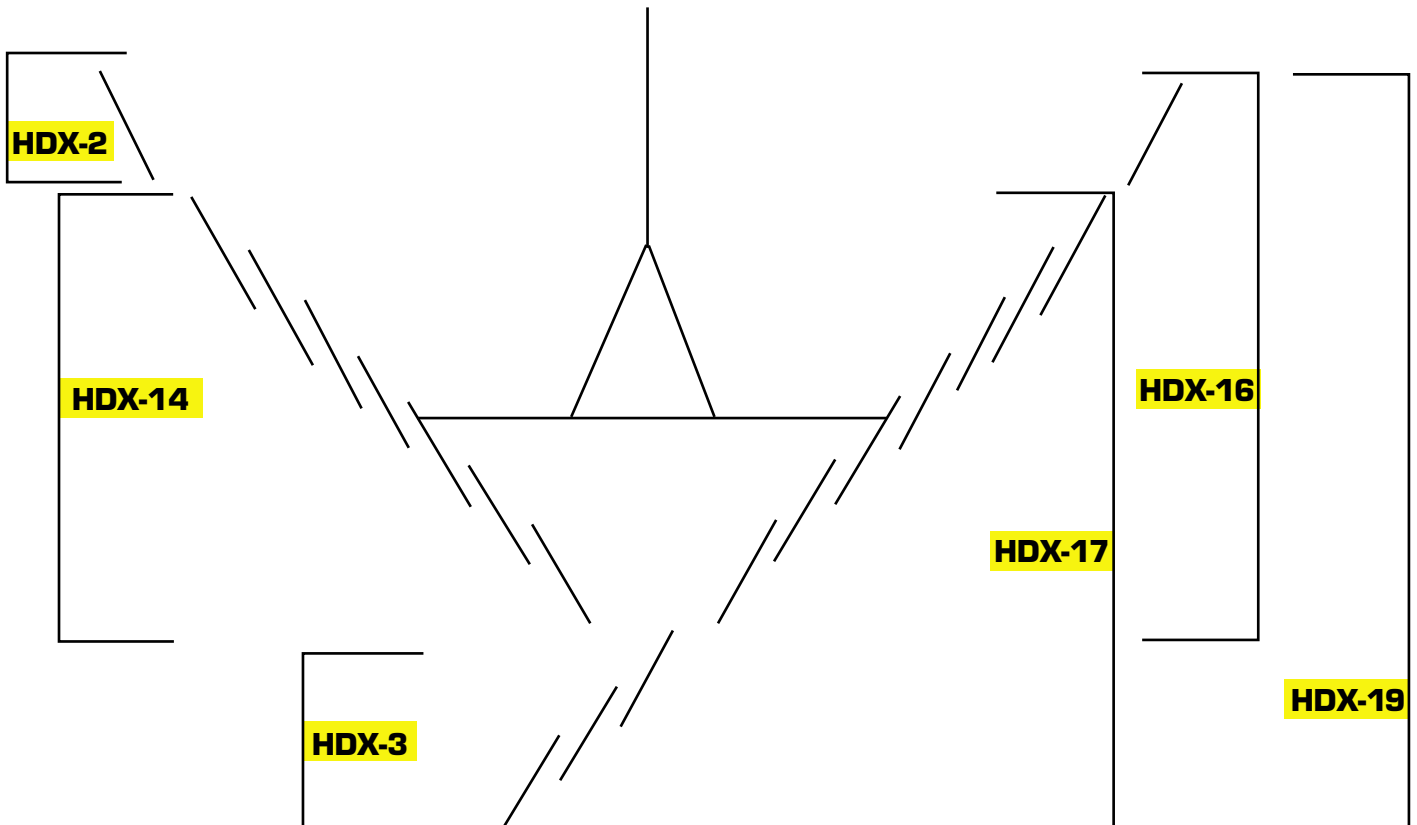
HDX-Rake Configurations

(See schematic below)

HDX-2:	2 Wheel Front Extension.	HDX-16:	16 Wheel V-Style Rake.
HDX-3:	3 Wheel Right Rear Extension.	HDX-17:	17 Wheel V-Style Rake.
HDX-14:	14 Wheel V-Style Rake.	HDX-19:	19 Wheel V-Style Rake.



Optional rake wheel wind boards help to keep the crop from wrapping on the rake wheels.

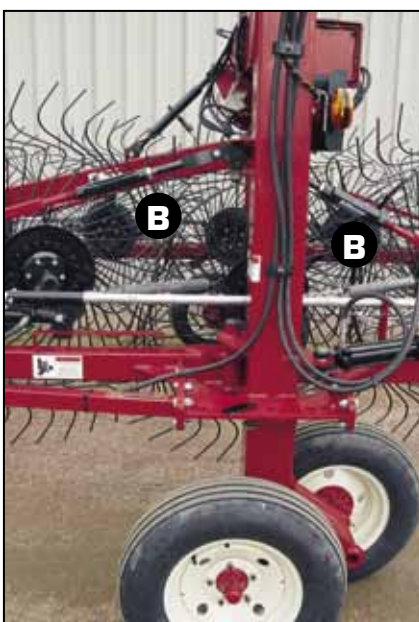


HDX RAKE FEATURES



The H&S HDX Series Rakes feature a highly maneuverable short turning radius, no caster wheel design, and an overhead frame design for high volume capacity of crop.

The variable main frame width adjustment opens symmetrically. Hitch height and beam fore and aft tilt are controlled by a simple ratchet jack (C).



Two turnbuckle adjustments (B) on the support rods of each rake beam adjust to keep the rake beam level.



Each rake beam has a screw adjustment (A) for the rake wheel ground pressure allowing the operator to fine tune for various conditions.



Like all H&S Rakes, the HDX Series Rakes have a proven ground pressure system and rake arm design.

The X-17 & X-19 Rakes have 100% coverage, there is no need for center kicker wheels. The 3 wheel extension can be locked up if not needed. All models of the HDX Series Rakes also feature one side raking with either side.



Tandem 6.70 X 15 tires w/rims (D) are standard equipment. X-Series Rakes have a hydraulic adjust beam angle (E) as standard equipment.



The hydraulic beam angle kit (E) adjusts right and left beam angles.

- Toggle switch up adjusts left beam angle.
- Toggle switch neutral adjusts main frame width.
- Toggle switch down adjusts right beam angle.

SPECIFICATIONS

X-SERIES RAKE

MODEL	X10	X12	X13	X15
WHEEL DIAMETER	55"	55"	55"	55"
TEETH PER WHEEL	40	40	40	40
TOOTH DIAMETER	7.0 mm (.275")	7.0 mm (.275")	7.0 mm (.275")	7.0 mm (.275")
TRANSPORT WIDTH	10'4"	10'4"	10'4"	10'4"
TRANSPORT LENGTH	19'10"	23'	28'4"	31'6"
WINDROW WIDTH ADJUSTMENT	Up to 46"	Up to 46"	Up to 46"	Up to 46"
RAKING WIDTH	Up to 22'	Up to 25'	Up to 22'	Up to 25'
RAKING WHEEL HUBS	Tapered Roller Bearings	Tapered Roller Bearings	Tapered Roller Bearings	Tapered Roller Bearings
HITCH JACK	Standard	Standard	Standard	Standard
STANDARD TRANSPORT WHEELS	(4-Tandem) ST175/80D13	(4-Tandem) ST175/80D13	(4-Tandem) ST175/80D13	(4-Tandem) ST175/80D13
WEIGHT	2400 Lbs.	2673 Lbs.	2798 Lbs.	3023 Lbs.
RAKE WHEEL WIND GUARDS	Optional	Optional	Optional	Optional
TRANSPORT LIGHTS	Optional	Optional	Optional	Optional
HORSEPOWER REQUIREMENTS	40 (30 kW)	40 (30 kW)	40 (30 kW)	40 (30 kW)
HYDRAULIC REQUIREMENTS	1 Double Acting Remote for Main Frame Open and Close. 1 Single Acting Remote for Rake Wheel Lift.			
ELECTRICAL REQUIREMENTS	+12 Volt Power Source for Hydraulic Beam Angle Kit.			

HDX-SERIES RAKE

MODEL	HDX14	HDX16	HDX17	HDX19
WHEEL DIAMETER	60"	60"	60"	60"
TEETH PER WHEEL	40	40	40	40
TOOTH DIAMETER	7.5 mm (.275")	7.5 mm (.275")	7.5 mm (.275")	7.5 mm (.275")
TRANSPORT WIDTH	12'5"	12'5"	12'5"	12'5"
TRANSPORT LENGTH	26'5"	29'4"	34'8"	37'7"
WINDROW WIDTH ADJUSTMENT	Up to 94"	Up to 94"	Up to 94"	Up to 94"
RAKING WIDTH	Up to 31'	Up to 34'6"	Up to 31'	Up to 34'6"
RAKING WHEEL HUBS	Tapered Roller Bearings	Tapered Roller Bearings	Tapered Roller Bearings	Tapered Roller Bearings
HITCH JACK	Standard	Standard	Standard	Standard
STANDARD TRANSPORT WHEELS	(4-Tandem) 6.70 x 15	(4-Tandem) 6.70 x 15	(4-Tandem) 6.70 x 15	(4-Tandem) 6.70 x 15
WEIGHT	4140 Lbs.	4400 Lbs.	4540 Lbs.	4800 Lbs.
RAKE WHEEL WIND GUARDS	Optional	Optional	Optional	Optional
TRANSPORT/WORK LIGHTS	Optional	Optional	Optional	Optional
HYDRAULIC REQUIREMENTS	1 Double Acting Remote for Main Frame Open and Close. 1 Single Acting Remote for Rake Wheel Lift.			
ELECTRICAL REQUIREMENTS	+12 Volt Power Source for Hydraulic Beam Angle Kit.			



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. Printed in U.S.A.



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Models and specifications are subject to change without prior notice.

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