

New Holland HS Series Headers

12HS 14HS 16HS 18HS 14HS Specialty



NEW HOLLAND



HS Auger Haybine® Headers

Equip your self-propelled windrower, model 1475 Haybine® mower-conditioner or Bidirectional™ tractor with a New Holland HS Series auger header and you're ready for high-capacity hay making.

Four models provide cutting widths of 12 to 18 feet—plus the ability to lay down swaths up to 96 inches wide, or windrows as narrow as 38 inches. No tools are needed to change from swath to windrow or back.



Clean, fast cutting

You'll knock down acres faster, thanks to the fast 1810-spm sickle speed and three-inch stroke. Driven by New Holland's modular wobble drive, dual counter-stroking sickles provide smooth cutting with minimum vibration and less maintenance. Bolt-on, over-serrated knife sections have a long cutting life and are easily replaced.



Reliable feeding

The five-bat reel is fully adjustable—fore and aft, up and down—to achieve the smoothest possible feeding to the cutterbar. Segmented tine bars make tine and tine bar replacement easy.

A low-profile header floor promotes smooth, consistent feeding of crop to the auger. The 20-inch-diameter auger with five-inch flighting delivers the crop to the conditioning rolls. To minimize plugging, the auger floats up to two inches to allow even heavy slugs of material to pass underneath.



Time-proven conditioning

Wide 102-inch chevron-design rubber rolls, condition crop gently, but thoroughly, for fast drydown. These rolls apply near-constant pressure for consistent conditioning, no matter how thick the crop. Roll pressure and gap are fully adjustable by means of a hand crank.



14HS Specialty Header

Big capacity mowing without conditioning

The 14HS Specialty header is designed for grass seed, mint, flower seed and other delicate specialty crops that don't require conditioning.

Proven counter-stroking sickles

You get a smooth 14'3" cut from the hydraulically-driven, counter-stroking sicklebar, even in damp, heavy or tangled conditions. A three-inch stroke, efficient stub guards and a fast, belt-timed, 1,828- spm sickle speed let you lay down the acres quickly.

Gentle handling

Several features on the 14HS Specialty provide the gentle handling needed for your specialty crops.

The header floor is open and extends 60 inches behind the cutterbar for gentle crop collection and windrow formation. The six-bat reel is adjustable fore, aft and vertically for the crop. A hydraulic reel drive lets you fine tune reel speed from the cab, assisting crop flow. And a 20-inch-diameter auger with five-inch flighting runs at low speed for gentle seed handling. The auger floats up to two inches, allowing bunched material to pass through without plugging.



14HS Specialty Header Specifications

Dimensions

Cutting width – ft. in. (m)	14'3" (4.34)
Overall width –ft. in. (m)	16'3" (4.95)
Weight – lb. (kg)	3260 (1479)

Cutterbar

Knives	Overserrated, bolted
Guards	Stub
Angle range—degrees	-6 to -12
Skid shoes	4
Cutting height –in. (mm)	1.2-6.2 (30.5-157)

Sickle drive

Type	Open, dual, wobble, belt-timed
Speed –SPM	1828
Stroke – in. (mm)	3(76)
Reel	6-bat
Adjustments	Fore/aft & vertical
Speed, Hydraulic drive –RPM	0-76
Speed adjustment	Variable, from cab
Max. diameter –in. (mm)	42 (1067)
Drive	Hydraulic
Tine bars	Segmented
Bushings/bearings in. (mm)	1.25 (31.75) bearing w/collar at cam & bushings

Auger

Type	Single, floating
Diameter—in. (mm)	20 (508)
Floating range –in. (mm)	2 (50.8)
Flighting depth –in. (mm)	5 (178)
Speed--RPM	196
Windrow width –in. (mm)	60 (1524)
Windrow forming rods	Standard



Specifications

MODEL	12HS	14HS	16HS	18HS
Cutting width ft. in. (m)	12'3" (3.73)	14'3"(4.34)	16'3"(4.95)	18'3"(5.56)
Overall width ft. in. (m)	14'3" (4.34)	16'3"(4.95)	18'3"(5.56)	20'3"(6.17)
Weight lb. (kg) – rubber rolls	3,630 (1647)	3900 (1770)	4,120 (1869)	4,370 (1983)
Cutterbar				
Type	Timed, dual, counterstroking	Timed, dual, counterstroking	Timed, dual, counterstroking	Timed, dual, counterstroking
Knives	Overserrated, bolted	Overserrated, bolted	Overserrated, bolted	Overserrated, bolted
Guards	2-tine, double-hardened	2-tine, double-hardened	2-tine, double-hardened	2-tine, double-hardened
Angle range, degrees	-6 to -12	-6 to -12	-6 to -12	-6 to -12
Skid shoes	2	4	4	4
Cutting height in.(mm)	1.2-6.2 (30.5-157)	1.2-6.2(30.5-157)	1.2-6.2(30.5-157)	1.2-6.2(30.5-157)
Sickle drive				
Type	Open, dual, wobble	Open, dual, wobble	Open, dual, wobble	Open, dual, wobble
Speed – SPM	1810	1810	1810	1810
Stroke – in. (mm)	3(76)	3(76)	3(76)	3(76)
Reel				
Type	5-bat	5-bat	5-bat	5-bat
Adjustments	Fore/aft & vertical	Fore/aft &vertical	Fore/aft &vertical	Fore/aft & vertical
Speed				
Mechanical Drive –RPM	52-83	52-83	52-83	52-83
Hydraulic Drive (optional) – RPM	0-76	0-76	0-76	0-76
Speed Adjustment	Variable sheave	Variable sheave	Variable sheave	Variable sheave
Max. Diameter-in. (mm)	42(1067)	42(1067)	42(1067)	42(1067)
Drive	Belt & chain	Belt & chain	Belt & chain	Belt & chain
Tine Bars	Segmented	Segmented	Segmented	Segmented
Bushings/bearings-in.(mm)	1.25(31.75) bearing w/collar at cam & bushings	1.25(31.75) bearing w/collar at cam & bushings	1.25(31.75) bearing w/collar at cam & bushings	1.25(31.75) bearing w/collar at cam & bushings
Conditioner				
Type	Chevron-design intermeshing rubber	Chevron-design intermeshing rubber	Chevron-design intermeshing rubber	Chevron-design intermeshing rubber
Roll length (crush area) – in. (mm)	102(2591)	102(2591)	102(2591)	102(2591)
Roll diameter – in. (mm)	10.375(263.5)	10.375(263.5)	10.375(263.5)	10.375(263.5)
Roll drive	Spur gearbox & PTOs	Spur Gearbox & PTOs	Spur gearbox & PTOs	Spur gearbox & PTOs
Speed – RPM	717	717	717	717
Roll adjustment (conditioning pressure & gap)	Hand crank	Hand crank	Hand crank	Hand crank
Auger				
Type	Single, floating	Single, floating	Single, floating	Single, floating
Diameter – in. (mm)	20(508)	20(508)	20(508)	20(508)
Floating range – in. (mm)	2(50.8)	2(50.8)	2(50.8)	2(50.8)
Flighting depth –in. (mm)	5(178)	5(178)	5(178)	5(178)
Speed—RPM	287	287	287	287
Windrow width – in.(mm)	38-96(965-2438)	38-96(965-2438)	38-96(965-2438)	38-96(965-2438)

HS Header Compatibility

	12HS	14HS	16HS	18HS
1475 Mower-Conditioner		X	X	X
HW300 Windrower	X	X	X	
HW320 Windrower	X	X	X	X
HW340 Windrower		X	X	X
TV140 w/ 2330BF adapter	X	X	X	X

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Safety begins with a thorough understanding of the equipment. Always make sure you and your operators read the Operator's Manual before using the equipment. Pay close attention to all safety and operating decals and never operate machinery without all shields, protective devices and structures in place.

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