

Rotorhaver

HR 1020 / HR 1030 / HR 1040



www.kuhn.com



be strong, **be KUHN**

POWER HARROWS

HR 1020-1030-1040



POWER HARROWS

HR 1020-1030-1040

Real time adaptation to working conditions



Hydraulic adjustments



Prepare an ideal seeding bed in all conditions



Wide range of equipment



Adapted to all tractors



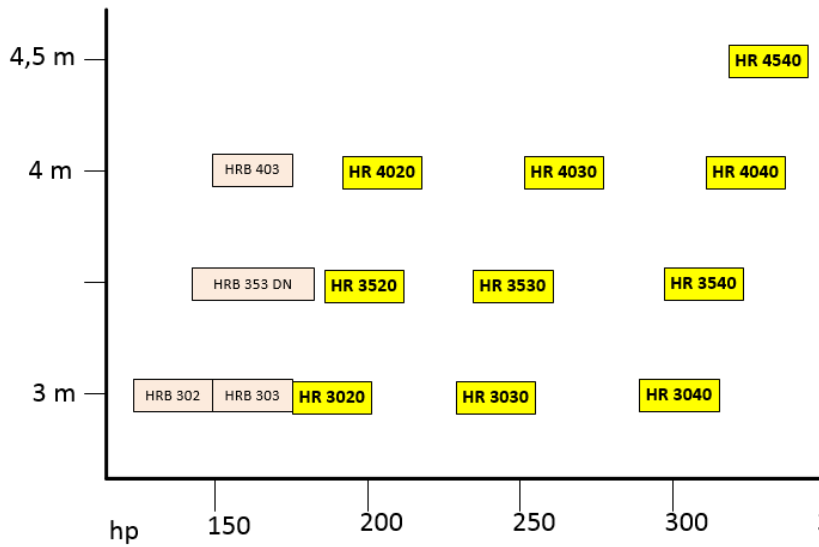
KUHN rotor assembly



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POWER HARROW RANGE

HR 1020-1030-1040



WORKING QUALITY

HR 1020-1030-1040

ADAPT MACHINES ADJUSTMENTS TO WORKING CONDITIONS

Hydraulic working depth adjustment:

- Working depth adapted to the working conditions
- Work deeper in headlands and shallower in stony areas
- Depth indicator visible from the tractor seat



→ Always the right adjustment



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WORKING QUALITY

HR 1020-1030-1040

CRUMBLING ADAPTED TO YOUR NEED

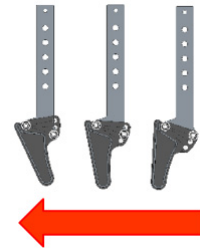
Levelling bar adjusted while driving

- Independent adjustment to the working depth : levelling bar fitted to the roller frame
- Step less hydraulic adjustment (double acting cylinder)

Three different levels

- Folded to the back for shallow soil preparation in normal conditions
- Vertical for heavy clay conditions : maximum recycling

→ Always the right adjustment



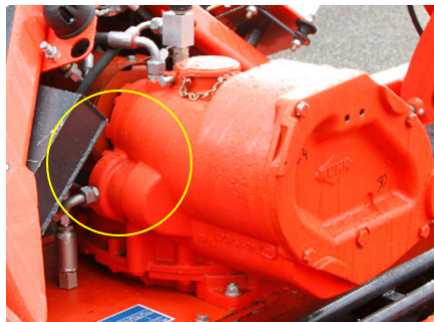
RELIABILITY

HR 1040

DESIGNED FOR HARD WORK

Heavy duty central gearbox:

- Integrated oil pump
- Additional tank used as a cooler to increase the heat exchange
- Fresh oil injection on the top bearing
- Synthetic oil (75W90)
- Integrated speed and rotation sensors



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FIABILITE

HR 1040

DESIGNED FOR HARD WORK

Proven concept for maximum reliability:

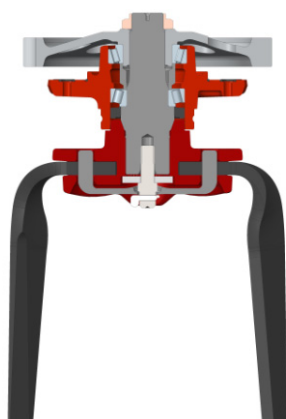
- (1) **Maintenance free highly rigid trough** (8mm thick, filled with semiliquid grease)
- (2) **No gearwheel overhang** : convex treated and forged steel gearwheels so that the drive forces are transmitted at the centre of the upper bearing
- (3) **Large dimension conical roller bearings** always perfectly aligned in a one-piece cast housing. **Factory preloaded with a calibrated spacer.** (increased distance between bearings)
- (4) Perfect bearing hold and gear case protection : **28 mm cast iron housings** ensure perfect trough and bearing protection
- (5) Reinforced sealing : cassette seal
- (6) Fast-fit blades as standard (18mm thick and 330 mm long)



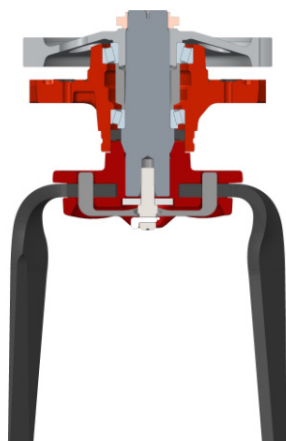
RELIABILITY

HR 1020-1030-1040

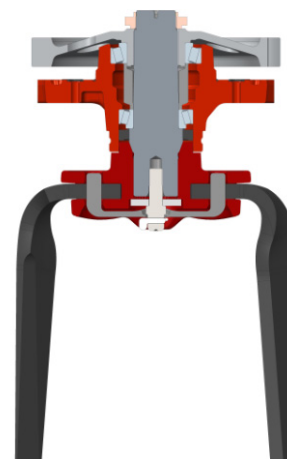
DESIGNED FOR HARD WORK



HR 1020



HR 1030



HR 1040



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RELIABILITY

HR 1030-1040

DESIGNED FOR HARD WORK



KUHN TEST FIELD

More flexibility =

- Deep soil preparation without stones (potatoes) : work without deflectors to drive faster
- Stony conditions and conventional soil preparation : work with deflectors

Maximal reliability :

- V-shape stone deflector to protect trough
- Bolted deflector = can be retrofitted
- To compare with HR 1004 : HR 1004 blade holder with protection has been split in 2 parts for more versatility



EASE OF USE

HR 1020-1030-1040

DESIGNED TO WORK IN COMBINATION WITH A SEED DRILL



Power harrow integrated under the seed drill

- Quick coupling frame (patented)
- Connection plate between HR and seed drill : hydraulic and electric connectors
- VARIO hydraulic pump can be fitted on top of the central gearbox



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ADAPTED TO EVERY NEED

HR 1020-1030-1040

COMPATIBLE WITH ALL TRACTORS



Linkage adapted to different tractor sizes:

- Category 3 and 4
- 2 lower link hitching position to bring the machine closer to the tractor
- Reinforced primary PTO Central gearbox offset rearwards to reduce PTO angles

Hydraulic selector (option)

- Controlled by the seed drill ISOBUS terminal OR by the KSL14 selector
- 1 double acting spool valve for :
 - Working depth adjustment
 - Levelling bar adjustment
 - Hydraulic topline between HR and VENTA
 - Hydraulic coulter pressure on VENTA



ADAPTED TO EVERY NEED

HR 1020-1030-1040

WIDE ROLLER RANGE



New MEGAPACKER Roller:

- Increased tube diameter
- Overall diameter : 590 mm to reduce power requirement
- Perfectly adapted to solo work and to seeding combination

Roller type	Tube diameter (mm)	Overall diameter(mm)
MAXICAGE	-	520
MAXIPACKER	406	535
MEGAPACKER	460	590
STEELLINER	460	550
PACKLINER	-	592



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SPECIFIKATIONER	HR 3020	HR 3030	HR 3040	HR 4020	HR 4030	HR 4040
Rotorharver						
Arbejdsbredde	2,95 m			4,00 m		
Transportbredde	3,00 m			4,05 m		
Maximum kW / HK	132 / 180	176 / 240	219 / 300	146 / 200	190 / 260	234 / 320
Tilkobling	Kategori 3 & 4N			Kategori 3 & 4N		
Krav til traktor hydraulik	1 dv for markører		1 dv for markører +1 dv for planérplanke	1 dv for markører		1 dv for markører +1 dv for planérplanke
Gearkasse	Duplex		Duplex med oliecirculation/køling	Duplex		Duplex med oliecirculation/køling
Duplex gear	Omskift af tandhjul for ændring af rotoromdrejninger			Omskift af tandhjul for ændring af rotoromdrejninger		
Antal rotorer	10 stk			14 stk		
Rotoromdrejninger, fabriksindstillinger	290 - 330 omdr./min.		296 - 463	290 - 330 omdr./min.		296 - 463
Fast-Fit tandmontering - vredne tænder	Str. 315 x 16 mm i boron stål		Str. 335 x 18 mm i DURAKUHN	Str. 315 x 16 mm i boron stål		Str. 335 x 18 mm i DURAKUHN
Waltersheid PTO-aksel med pal-sikring	P 500, 1-3/8"-6 not		P 600, 1-3/8"-6 not	P 500, 1-3/8"-6 not		P 600, 1-3/8"-6 not
Andre str. PTO tilkoblinger	1-3/8"-21 not, 1-3/4"-6 not ell 1-3/4"-20 not. Angiv v bestilling			1-3/8"-21 not, 1-3/4"-6 not ell 1-3/4"-20 not. Angiv v bestilling		
Indstilling af rotorhavens arbejdsdybde	Mekanisk		Hydraulisk	Mekanisk		Hydraulisk
Planérplanke bag rotorer - standard	Mekanisk dybdeindst.	Hydraulisk dybdeindstilling		Mekanisk dybdeindst.	Hydraulisk dybdeindstilling	
Sideplader	Justérbar med fjedersikring og dobbelte arme			Justérbar med fjedersikring og dobbelte arme		
Sten-beskyttelse af rotorer og tandholdere	Standard			Standard		
Sidemarkører	Standard - folder skråt fremad - med sikringsbolt			Standard - folder skråt fremad - med sikringsbolt		
Beslag for Venta såmaskine	Standard - incl sensor for rytme ved topstangsfæste			Standard - incl sensor for rytme ved topstangsfæste		
Steellinervalse, ø 550 mm, med 20 rækker	Standardvalse - andre kan tilvælges			Standardvalse - andre kan tilvælges		
Kraftig dobbeltrame for valse	Standard - er forberedt for Venta-montering			Standard - er forberedt for Venta-montering		
Afskraber for valse med HD Wolfram karbid	Standard			Standard		
Trafik-markeringslygter	Standard - hvid fremad og rød bagud i gummi for breddemarkering			Standard - hvid fremad og rød bagud i gummi for breddemarkering		
Egenvægt med Steellinervalse med 20 rk.	1625 kg	1735 kg	1920 kg	1889 kg	2029 kg	2240 kg



Importør:



Maskinhandler Indkøbsringen A/S

Soldalen 1. 7100 Vejle, Tlf. 76 40 86 00
www.mi.dk

Forhandler :