## KM 641HPX-HD

## HD Hay and Forestry Grapple with *HPXdrive*

The hay and forestry grapple KM 641HPX-HD using the HPXdrive Heavy Duty is ideal for handling hay, brushwood, compost or manure – often used for municipal operations and road work. The revolutionary HPXdrive technology guarantees a reliable and low maintenance attachment.

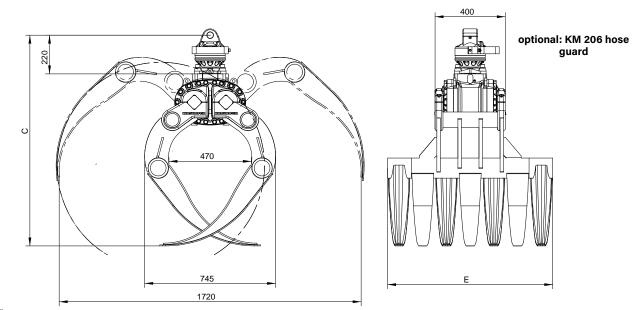
- Reliability of the HPXdrive! The movement of the arms of the grapple is generated by two hollow shafts, which run opposed and have a helix thread, hydraulically driven by a single piston. No more hydraulic cylinders!
- ▷ Longer life cycle up to 50%! Self-lubrication: The drive unit runs in a permanent oil bath. The compact design makes the HPXdrive resistant to dirt and debris.
- Versatility with different types of shells that can easily be refitted onto the driving unit.
- ▶ **Profitability** through low maintenance costs and longer life cycle.
- ▷ Precise handling with the gear-type KINSHOFER rotator and shells synchronised by the single piston turning both shafts of the HPXdrive.
- Rotator with shaft is available as an alternative, in case a quick change to a non-rotating hook is favoured.
- Constant closing force (23 kN at 32 MPa operating pressure) over the entire opening and closing process; high efficiency provided by hydro static bearings of the axes.

Package hay and forestry grapple KM 641HPX-HD with <b>KINSHOFER</b> flange rotator								
Туре	Capacity	Width E	Height C	Opening max.	Number of tines	Self weight	Closing force	Load capacity
	(m <sup>2</sup> )	(mm)	(mm)	(mm)	-	(kg)	(kN at 32 MPa)	(kg)
KM 641HPX-HD-0.4 c	0,40	940	1200	1720	7	390	23	2000
Package consists of:	hay & forestry grapple, rotator KM 04 F140-30V, upper suspension KM 501 (4500), non-return valve							
HPX-KM 505 add	also available with a shaft rotator and quick change system KM 505							
HPX-KM 505 HD add	for heavy duty tasks we recommend the quick change system KM 505 HD in combination with the KINSHOFER rotator KM 04 S68-30US							
Package hay and forestry grapple KM 641HPX-HD/502 with KINSHOFER shaft rotator and reduction link								
Туре	Capacity (m²)	Width E (mm)	Height C (mm)	Opening max. (mm)	Number of tines	Self weight (kg)	Closing force (kN at 32 MPa)	Load capacity (kg)
KM 641HPX-HD-0.4/502 c	0,40	940	1255	1720	7	395	23	2000
Package consists of:	hay and forestry grapple, rotator KM 04 S, reduction link KM 502 (4500), short connecting hoses KM 203 01, upper suspension KM 501 (4500), non-return valve							
Accessories								
Туре	Description							
KM 204 01	mobile part of	hydraulic q	uick coupling	for hose (Ø 10	mm, 2 pieces	;)		
KM 204 03	hydraulic quic	k change kit	incl. mobile a	and fixed parts	s (2 pc. each) r	nounted to	rotator	
Requirements of truck cran	е							

## Operating pressure at oil flow:

max. 32 MPa (320 bar) at 40 - max. 90 l/min

**Technical drawings** 



We reserve the right to amend specifications without prior notice. **KINSHOFER** GmbH, 83607 Holzkirchen, Germany