

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 **KINSHOFER** flange rotator

Type	Capacity	Width E	Height C	Opening max.	Number of tines	Self weight	Closing force	Load capacity
	(m ²)	(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

Type	Capacity	Width E	Height C	Opening max.	Number of tines	Self weight	Closing force	Load capacity
	(m ²)	(mm)	(mm)	(mm)		(kg)	(kN at 32 MPa)	(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

Type	Description
KM 204 01	mobile part of hydraulic quick coupling for hose (Ø 10 mm, 2 pieces)
KM 204 03	hydraulic quick change kit incl. mobile and fixed parts (2 pc. each) mounted to rotator

Requirements of truck crane

Operating pressure at oil flow:
max. 32 MPa (320 bar) at 40 - max. 90 l/min **Mind the pressure!**

Technical drawings

