

The hay and forestry grapple KM641HPX using the *HPXdrive Standard* is ideal for handling hay, brush-wood, 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** (18 kN/14 kN at 26 MPa operating pressure) over the entire opening and closing process.



Package hay and forestry grapple KM 641HPX with **KINSHOFER** flange rotator

Type	Capacity (m ²)	Width E (mm)	Height C (+ rotator) (mm)	Opening max. A (mm)	Number of tines	Self weight (kg)	Closing force (kN)	Load capacity (kg)
KM 641HPX-0.2 c	0,20	670	950	1190	7	255	18	1000
KM 641HPX-0.4 c	0,40	940	1190	1630	7	320	14	2000

Package consists of: hay and forestry grapple, rotator KM 04 F140-30V, upper suspension KM 501 (4500), pressure relief valve, 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/502 with **KINSHOFER** shaft rotator and reduction link

Type	Capacity (m ²)	Width E (mm)	Height C (+ rotator) (mm)	Opening max. A (mm)	Number of tines	Self weight (kg)	Closing force (kN)	Load capacity (kg)
KM 641HPX-0.2/502 c	0,20	670	1005	1200	7	260	18	1000
KM 641HPX-0.4/502 c	0,40	940	1245	1695	7	325	14	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), pressure relief valve, 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:

26 MPa (260 bar) at max. 75 l/min

26 - 37 MPa (260 - 370 bar) at max. 40 l/min

Technical drawings

