

The KM 613HPX-HD with *HPXdrive Heavy Duty* for positioning and handling natural stones, curbstones etc. A non-return valve secures constant pressure even in case of unexpected pressure drop. 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** (22 kN at 32 MPa operating pressure) over the entire opening and closing process; high efficiency provided by hydro static bearings of the axes.



Package rock grapple KM 613HPX-HD with **KINSHOFER** flange rotator

Type	Capacity	Width E	Height C	Opening max.	Self weight	Closing force	Load capacity
	(m ²)	(mm)	(mm)	(mm)	(kg)	(kN at 32 MPa)	(kg)
KM 613HPX-HD-0.35 c	0,35	400	1260	1710	335	22	2000
Package consists of:	rock 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 rock grapple KM 613HPX-HD/502 with **KINSHOFER** shaft rotator and reduction link

Type	Capacity	Width E	Height C	Opening max.	Self weight	Closing force	Load capacity
	(m ²)	(mm)	(mm)	(mm)	(kg)	(kN at 32 MPa)	(kg)
KM 613HPX-HD-0.35/502 c	0,35	400	1315	1710	340	22	2000
Package consists of:	rock 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 685 06 hook set 2	welded hooks (2 pieces)
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

