

The KM 613HPX with *HPXdrive Standard* for positioning and handling natural stones, curbstones etc. is an ideal tool for landscaping architecture. A non-return valve secures constant pressure even in case of unexpected pressure drop. The revolutionary *HPXdrive* technology guarantees a reliable and virtually maintenance free 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%! The drive unit runs in a permanent oil bath no lubrication service is necessary. The compact design makes the HPXdrive resistant to dirt and debris.
- ▷ **Versatility** with different types of shells that can easily be refitted onto the drive 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.
- ▷ **Rotator with shaft** is available as an alternative, in case a quick change to a non-rotating hook is favoured.
- ▷ **Constant closing force** (3960 lbf at 3750 psi operating pressure) for the entire opening and closing process.



### Package Rock Grapple KM 613HPX with **KINSHOFER** Flange Rotator

Type	Capacity (cords)	Width B (in)	Height (in)	max. Opening (in)	Self weight (lbs)	Closing force (lbf)	Load capacity (lbs)
KM 613HPX-0,16 c	0.11	32	39	47	517	3960	2200

**Package consists of:** rock grapple, rotator KM 04 F140-30V, upper suspension KM 501 4500, pressure relief valve, non-return valve

**Please note:**  
 - KM 613HPX is also available with a shaft rotator and quick change system KM 505  
 - for heavy duty tasks we recommend to use quick change KM 505 HD with rotator KM 04 S68-30US

### Package Rock Grapple KM 613HPX/502 with **KINSHOFER** Rotator with Shaft and Reduction Link

Type	Capacity (cords)	Width B (in)	Height (in)	max. Opening (in)	Self weight (lbs)	Closing force (lbf)	Load capacity (lbs)
KM 613HPX-0,16/502 c	0.11	16	41.5	47	528	3960	2200

**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, pressure relief valve, non-return valve

### Accessories

Type	Description
KM 685 06 HPX SD	central lifting device
KM 204 01	mobile part of hydraulic quick coupling for hose (Ø 0.4 in, 2 pieces)
KM 204 02	fixed part of hydraulic quick coupling for rotator (Ø 0.4 in, 2 pieces)

### Requirements of Truck Crane

#### Operating pressure at oil flow:

3750 psi at max. 20 GPM  
 2900 - 5350 psi at max. 10.5 GPM

### Technical Drawings

