

KM 613HPX-HD

Heavy Duty Rock grapple with *HPXdrive*

The KM 613HPX-HD with *HPXdrive Heavy Duty* 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 cylinder.
- ▷ **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 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.
- ▷ **Rotator with shaft** is available as an alternative, in case a quick change to a non-rotating hook is favoured.
- ▷ **Constant closing force** (4840 lbf at 4600 psi operating pressure) for 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 B	Height H	max. Opening	Self weight	Closing force	Load capacity
	(cords)	(in)	(in)	(in)	(lbs)	(lbf at 4600 psi)	(lbs)
KM 613HPX-HD-0,35 c	0.23	16	50	67	737	4840	4400

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

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

Package Rock Grapple KM 613HPX-HD/502 with KINSHOFER Rotator with Shaft and Reduction Link							
Type	Capacity	Width B	Height	max. Opening	Self weight	Closing force	Load capacity
	(cords)	(in)	(in)	(in)	(lbs)	(lbf at 4600 psi)	(lbs)
KM 613HPX-HD-0,35/502 c	0.23	16	52	67	748	4840	4400

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 HPX HD	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: 3750 - 5350 psi
Recommended oil flow: 10.5 - max. 24 GPM

Technical Drawings

