

KM 632L HPX-HD

Logging Grapple with *HPXdrive*

The KM 632L HPX with *HPXdrive Heavy Duty* for loading short logs, shrubbery, branches etc. 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 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** (3900 lbf. at 4600 psi operating pressure) for the entire opening and closing process; high efficiency provided by hydro static bearings of the axes.



Package Logging Grapple KM 632L HPX-HD with **KINSHOFER** Flange Rotator

Type	Capacity (cord / sq ft)	Width (in)	max. Opening A		Height B		Self weight		Load capacity (lbs)
			bypass type (in)	butt type (in)	bypass type (in)	butt type (in)	bypass type (lbs)	butt type (lbs)	
KM 632L HPX -HD-0.25	1/4 / 3 3/4	18	50	57	45	32.5	790	820	6600
KM 632L HPX -HD-0.33	1/3 / 5 1/2	18	60	67	49	36.3	850	885	6600
KM 632L HPX -HD-0.40	2/5 / 6 1/2	18	67	73	52	39.5	890	985	6600

Package consists of: logging grapple, KINSHOFER rotator KM 04 F140-30US, upper suspension KM 501 4500, non-return valve

Please note:

- KM 632HPX-HD is also available with a KINSHOFER 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
- The grapple is available with two different closing styles: 'Butt' (tines tip to tip) or 'Bypass' (interlocking tines)

Package Logging Grapple KM 632L HPX-HD/502 with **KINSHOFER** Rotator with Shaft and Reduction Link

Type	Capacity (cord / sq ft)	Width (in)	max. Opening A		Height B		Self weight		Load capacity (lbs)
			bypass type (in)	butt type (in)	bypass type (in)	butt type (in)	bypass type (lbs)	butt type (lbs)	
KM 632L HPX -HD-0.25/502	1/4 / 3 3/4	18	50	57	47	44	800	830	6600
KM 632L HPX -HD-0.33/502	1/3 / 5 1/2	18	60	67	51	47	860	895	6600
KM 632L HPX -HD-0.40/502	2/5 / 6 1/2	18	67	73	54	51	900	995	6600

Package consists of: logging grapple, KINSHOFER 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 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: max. 4600 psi
Recommended oil flow: 10.5 - max. 24 GPM

Technical Drawings

