

T40HPX

Timber Grab

Durable, cylinderless timber grab with **HPXdrive** system, especially for handling logs with excavators from 20t / 44000 lbs to 40t / 88000 lbs.

- **HPXdrive** – the revolutionary concept for hydraulically operated grabs! The rotation of the arms of the grab is generated by two hydraulically driven pistons, which run opposed and have four helix threads. No hydraulic cylinder required! No short hose connections required!
- The drive unit runs in a permanent oil bath which ensures a 50% longer life cycle and low maintenance. The **HPXdrive** is resistant against dirt and blows due to the compact design.
- Optimal plunge into the log pile thanks to the large opening and vertical tine tips when completely open; precise positioning due to the integrated rotation.
- Constant high closing forces during the entire gripping process.
- With integrated rotation: Swivel and bevel sealed. Rotary feedthrough and motor accessible directly.
- Extremely small and large log diameters can be gripped without problems: from 65 mm / 2.56 in up to 1600 mm / 62.99 in!
- Integrated non-return valve guarantees secure retention of loads.



Timber Grab T40HPX									
Type	Opening A (mm/in)	Width E (mm/in)	Height C max. (mm/in)	Height C min. (mm/in)	Volume (m ² /cords)	Self weight (kg/lbs)	Load capacity (kg/lbs)	Gripping range D min. (mm/in)	Gripping range D max. (mm/in)
T40HPX-1,00	2410 / 94.88	810 / 31.89	1985 / 78.15	1110 / 43.70	1.00 / 0.67	1730 / 3806	9000 / 19800	65 / 2.56	920 / 36.22
T40HPX-1,25	2600 / 102.36	810 / 31.89	2075 / 81.69	1240 / 48.82	1.25 / 0.83	1770 / 3894	9000 / 19800	65 / 2.56	1020 / 40.16
T40HPX-1,50	2950 / 116.14	810 / 31.89	2250 / 88.58	1320 / 51.97	1.50 / 1.00	1800 / 3960	9000 / 19800	65 / 2.56	1220 / 48.03
T40HPX-1,75	3200 / 125.98	810 / 31.89	2385 / 93.90	1390 / 54.72	1.75 / 1.17	1850 / 4070	9000 / 19800	75 / 2.95	1320 / 51.97
T40HPX-2,00	3470 / 136.61	810 / 31.89	2535 / 99.80	1455 / 57.28	2.00 / 1.33	1910 / 4202	9000 / 19800	75 / 2.95	1390 / 54.72
T40HPX-2,50	3770 / 148.43	810 / 31.89	2705 / 106.50	1510 / 59.45	2.50 / 1.67	2100 / 4620	9000 / 19800	75 / 2.95	1600 / 62.99

Package consists of: timber grab, **KINSHOFER** rotation incl. head plate(pin-Ø 70 mm/2.76 in / lug distance 227 mm / 8.94 in), **HPXdrive**, non return valve

Accessories

Type	Description
KM 501 RD50	upper suspension without pendulum damper
KM 511 RD50	upper suspension with pendulum damper
KSW21/25 cardanic	adapter for „System L-Lock“ KMS21/25 / KHS21/25 incl. cardan link excl. pendulum damper – up to 40t / 88000 lbs adapters for quick change systems from other manufacturers or different sizes available on request

Requirements of Excavator

Operating pressure (open/close): max. 35 MPa (350 bar) / 5040 psi
Recommended oil flow (open/close): 120 - max. 200 l/min / 31.70 - max. 52.84 GPM
Operating pressure (rotation): max. 14 MPa (140 bar) / 2016 psi
Recommended oil flow (rotation): max. 25 - 60 l/min / max. 6.61 - 15.85 GPM

Technical Drawings

