3-Finger Timber Grab with *HPXdrive* T06HPX-3Z / T09HPX-3Z

With the 3-finger timber grab for logging and forestry tasks with the low maintenance *HPXdrive* for excavators with up to 6t / 13,200lbs or 9t / 19,800lbs operating weight, even logs with only 90mm/3.5in diameter can be gripped firmly. Ideal also for the handling of brushwood and branches.

T09HPX-3Z

- ▷ ***HPXdrive*** – the revolutionary concept for hydraulically operated grabs! The rotation of the arms of the grab is generated by two hollow shafts, which run opposed and have a helix thread, hydraulically driven by a single piston. **No hydraulic cylinder required!**
- ▷ **50% longer life cycle.** The drive unit runs in a permanent oil bath – no lubrication necessary. Resistant against dirt and blows, due to the compact design.
- ▷ **Constant closing force** during the entire operation.
- ▷ Different applications possible thanks to easy **shell exchange system**.
- ▷ **Rigid mounting and flat 360° rotator for precise positioning.**
- ▷ **Arms made of cutting edge material** 500HB.

Timber Grab T06HPX/T09HPX

Type	Width E (mm/in)	Opening A (mm/in)	Height C max. (mm/in)	Gripping range D min. - D max. (Ø mm/in)	Weight (kg/lbs)	Load capacity (kg/lbs)	Operating weight (t/lbs)
T06HPX-3Z	378 / 14.9	1,240 / 48.8	1,050 / 41.3	90 / 3.5 - 560 / 22	310 / 682	1,000 / 2,200	3-6 / 6,600-13,200
T09HPX-3Z	375 / 14.7	1,240 / 48.8	1,035 / 40.7	90 / 3.5 - 560 / 22	320 / 704	2,000 / 4,400	5-9 / 11,000-19,800

Package consists of: timber grab, KINSHOFER rotator (T06HPX: KM 10 F214/180 / T09HPX: KM 15 F273/273) and non-return valve

KINSHOFER Rotator

Integrated in a single unit with the ***HPXdrive***, no more connecting hoses. Continous rotation. Overload protection ensured by pressure relief valves.

Type	Upper dimension (hole/Ø-hole pattern) (mm/in)	Torque (Nm/ft.lbs)	Bending moment max. (Nm/ft.lbs)
T06HPX: KM 10 F214/180	6 x M16; Ø 180 / 7.0	1,000 / 737	12,000 / 8,850
T09HPX: KM 15 F273/273	10 x M16; Ø 273 / 10.7	2,000 / 1,475	50,000 / 36,875

Accessories

Type	Description
KM 691 8t	adapter plate for specific solutions – up to 8t/17,600lbs
KM 690 8t	adapter for rigid mounting – up to 8t/17,600lbs
OQ45/4 rigid	bolt-on adapter for Oilquick OQ45 - up to 12t/26,400lbs
KSW03 rigid	bolt-on adapter for system L-Lock KMS03L/KHS03L for rigid mounting – up to 6t/13,200lbs
KSW08 rigid	bolt-on adapter for system L-Lock KMS08L/KHS08L for rigid mounting – up to 12t/26,400lbs
	adapters for quick change systems from other manufacturers or different sizes on request
KM 980-2 2t-8t c	solenoid valve for additional circuit, up to 26MPa/3,770psi, incl. parts and mounting

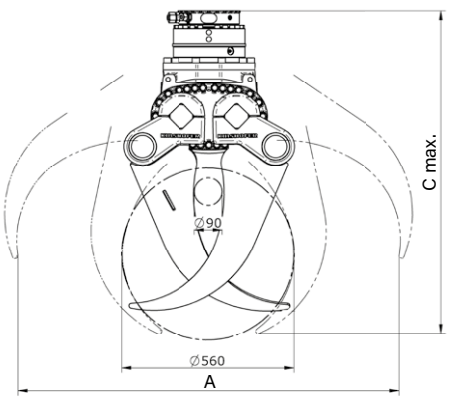
Requirements of carrier machine

Operating pressure at pump capacity (open/close):
26 MPa (260 bar) at max. 75 l/min / 3,745 psi at max. 20 GPM
26 - 32 MPa (260 - 320 bar) at max. 40 l/min / 3,745 - 4,640 psi at max. 10.6 GPM

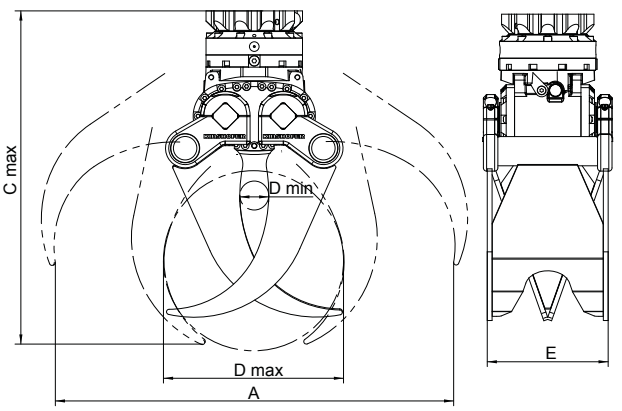
Operating pressure at pump capacity (rotate):
32 MPa (320 bar) at 20 - 50 l/min / 4,640 psi at 5.3 - 13 GPM

Technical drawings

T06HPX-3Z



T09HPX-3Z



5 Years Warranty for all *HPXdrive* drive units

Request? exc@kinshofer.com

We reserve the right to amend specifications without prior notice. KINSHOFER GmbH, 83607 Holzkirchen, Germany