

The universal fork KM 461 for loader cranes handles wallboards and other lying building materials up to a size of 1250 height and 460 mm depth.

- ▷ **Different tine spreads:** besides the standard tine spread of 640-1600mm further tine spreads are available (up to 1000, 1830 or 2130 mm), depending on the sheets that have to be handled.
- ▷ **Safe transport** of sheets of wallboard in the hinged lower section. The boards can be lifted and folded into a vertical position and clamped between the tines and frame, preventing them from sliding during handling.
- ▷ **Protection of the sheets** during unloading through semi-tapered forged tines, equipped with rollers and pads. A standard centre slide gives an additional support point for your loads.
- ▷ **Security** is assured even in case of a drop in pressure due to the integrated counterbalance valve that prevents the fork from opening unintentionally. The hydraulic cylinder is equipped with a pressure relief valve to prevent overload.
- ▷ **Accurate positioning** of the load is ensured by the tilt cylinder and the rotator.
- ▷ **The special version of the universal fork, the KM 461A** with a second suspension point on the main beam enables the unloading of lying boards through narrow openings in the wall.



## Package universal fork KM 461-1500 c

Type	Load capacity (kg)	Tine spread Z (min./max.) (mm)	Height of load max. (mm)	Depth of load max. (mm)	Weight (kg)
KM 461-1500 c	1500	640 – 1830	1250	460	410

**Package consists of:** universal fork, rotator KM 04 F, short connecting hoses KM 203 01, upper suspension KM 501 (4500), pressure relief valve, counterbalance valve

## Universal fork KM 461

Type	Load capacity (kg)	Tine spread Z (min./max.) (mm)	Height of load max. (mm)	Depth of load max. (mm)	Weight (kg)
KM 461-800	800	600 – 1000	1250	460	265
KM 461-1000	1000	640 – 1600	1250	460	340
KM 461-1500/1600	1500	640 – 1600	1250	460	380
KM 461-1500/1830		640 – 1830	1250	460	390
KM 461-1500/2130		640 – 2130	1250	460	395
KM 461-2000/1600	2000	640 – 1600	1250	460	390
KM 461-2000/1830		640 – 1830	1250	460	400
KM 461-2000/2130		640 – 2130	1250	460	405
KM 461-2500/1600	2500	640 – 1600	1250	460	400
KM 461-2500/1830		640 – 1830	1250	460	410
KM 461-2500/2130		640 – 2130	1250	460	415

**Please note:** max. dimensions of the load are 1250 x 460 mm (height x depth). The max. width of the load is depending on the tine spread. KM 461-800 is delivered with an integrated rack and an upper suspension for a shaft rotator

KM 461A: special version of Universal Fork KM 461-1500/1600 is delivered with 2nd suspension point on the main beam

## Accessories

Type	Description
KM 04 F	recommended KINSHOFER rotator for KM 461 (for load capacity over 1000 kg)
KM 04 S	KINSHOFER shaft rotator for precise positioning of the load – up to 4500 kg load capacity
KM 04 S68-30US	KINSHOFER shaft rotator for precise positioning of the load – up to 4500 kg load capacity
KM 505 + KM 505 05	quick change system for KM 04 S with distance ring (for load capacity over 1000 kg, <b>not</b> in combination with KM 461-800)
KM 505 HD + KM 505 05	heavy duty quick change system for KM 04 S68-30US with distance ring (for over 1000 kg, <b>not</b> in combination with KM 461-800)
KM 502 (4500)	reduction link between rotator and grapple
KM 461 08	adjustable clamping device to secure single sheets of smaller packs (for load capacity over 1000 kg)
KM 461 09	rack for safe and easy storage of folded universal fork (for load capacity over 1000 kg)

## Requirements of truck crane

### Operating pressure at oil flow:

20 - 26 MPa (200 – 260 bar) at max. 75 l/min  
20 - 37 MPa (200 – 370 bar) at max. 40 l/min

## Technical drawings

