

KM 461

Universal Fork

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 **KINSHOFER** 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 A (mm)	max. Height of load (mm)	max. Depth of load (mm)	Self 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 (rotator to fork), upper suspension KM 501 4500, pressure relief valve, counterbalance valve

Universal Fork KM 461

Type	Load capacity (kg)	Tine spread A (mm)	max. Height of load (mm)	max. Depth of load (mm)	Self weight (kg)
KM 461-800	800	600 – 1000	1250	460	280
KM 461-1000	1000	640 – 1600	1250	460	340
KM 461-1500/1600		640 – 1600	1250	460	380
KM 461-1500/1830	1500	640 – 1830	1250	460	390
KM 461-1500/2130		640 – 2130	1250	460	395
KM 461-2000/1600		640 – 1600	1250	460	390
KM 461-2000/1830	2000	640 – 1830	1250	460	400
KM 461-2000/2130		640 – 2130	1250	460	405
KM 461-2500/1600		640 – 1600	1250	460	400
KM 461-2500/1830	2500	640 – 1830	1250	460	410
KM 461-2500/2130		640 – 2130	1250	460	415

Please note:
 – the max. dimensions of the load are 1250x460 mm (height x depth). The max. width of the load is depending on the tine spread
 – the Universal Fork KM 461-800 is delivered with an integrated rack and an upper suspension for a **KINSHOFER** shaft rotator
 – KM 461A: the special version of the Universal Fork KM 461-1500/1600 is delivered with a second suspension point on the main beam

Accessories

Type	Description	Self weight (kg)
KM 04 F	recommended KINSHOFER rotator for KM 461 (for load capacity over 1000 kg)	26
KM 04 S	KINSHOFER shaft rotator for precise positioning of the load – up to 4500 kg load capacity	26
KM 04 S68-30US	KINSHOFER shaft rotator for precise positioning of the load – up to 4500 kg load capacity	28
KM 505	quick change system for KM 04 S (for load capacity over 1000 kg, not in combination with KM 461-800)	12
KM 505 HD	heavy duty quick change system for KM 04 S68-30US (for l. c. over 1000 kg, not in combination with KM 461-800)	18
KM 505 05	distance ring between KM 505 (HD) and KM 461 necessary in respective combination	5
KM 502 4500	reduction link between rotator and grapple	3
KM 461 08	adjustable clamping device to secure single sheets of smaller packs (for load capacity over 1000 kg)	14
KM 461 09	rack for safe and easy handling of folded universal fork (for load capacity over 1000 kg)	9

Requirements of Truck Crane

Operating pressure: 20 to 32 MPa (200 – 320 bar)
Pump capacity: 40 to 75 l/min

Technical Drawings

