

A hydraulically operated attachment used for positioning tubes or poles, the KM 930 is for use on loader cranes with three functions. Flange mounting on the mechanical extension of the crane.

- ▷ **Manoeuvrability** through three hydraulic functions gripping, lifting and turning (rotation and tilting) of straight round poles (three hydraulic circuits are necessary). Unlimited angle of rotation.
- ▷ **Heavy loads** of 500 kg up to 3000 kg can be handled by the KINSHOFER manipulators.
- ▷ **Precision operation** assured through continuous rotation, equipped with mechanically operating, hydraulic pilot controlled brake to prevent unintentional rotation.



## Manipulator KM 930

Type	Load capacity (kg)	Pipe - Ø (min./max.) (mm)	Width (mm)	Number of tines	Self weight (kg)	Closing force (kN)
<b>KM 930-500</b>	500	100 / 300	785	1	235	11
<b>KM 930-1000</b>	1000	100 / 300	1300	2	310	23
<b>KM 930-2000</b>	2000	250 / 600	1285	4	910	35
<b>KM 930-3000</b>	3000	250 / 600	2560	6	1360	53

**Package consists of:** manipulator, KINSHOFER rotator (KM 930-500 / KM 930-1000) / KINSHOFER rotary drive (KM 930-2000 / KM 930-3000), hydraulic pilot controlled brake, non-return valve

**Please note:** tubes or poles have to be grabbed always in the centre of gravity

## Accessories

Type	Description
<b>KM 980-2 c</b>	Solenoid valve to upgrade to the third hydraulic control circuit, to switch when there are only two free hydraulic circuits available for three required functions (rotate, grab and tilt) – for 12/24 V, operating pressure max. 25 MPa, oil flow 60 l/min. Complete including assembly parts, hose protection, hoses and assembly

## Requirements of truck crane

Type	Operating pressure at oil flow:
KM 930-500 / KM 930-1000	max. 20 MPa (200 bar) at 20 - max. 40 l/min
KM 930-2000	max. 25 MPa (250 bar) at 20 - max. 40 l/min
KM 930-3000	max. 25 MPa (250 bar) at 20 - max. 75 l/min

⚠ **Mind the pressures!**

## Technical drawings

