KM 930E Manipulators

The KM 930*E* Manipulator is the ideal tool to lift and position tubes and poles - for excavators with up to 12t / 26400 lbs or 25t / 55000 lbs operating weight.

- Movability due to three hydraulic functions: grab, rotate and tilt (3rd hydraulic circuit required).
- Endless rotation.
- High load capacities from 1000 kg / 2200 lbs to 2000 kg / 4400 lbs can be mastered by the KINSHOFER Manipulators.
- Precise positioning due to the flat 15t-rotator for KM 930-1000, or the integrated rotation for KM 930-2000 with 4000 Nm / 2950 ft.lbs torque.
- Secure retention of loads thanks to the integrated non-return valve and gripper pads at the tine tips.



Manipulator KWI 930	UE .						
Туре	Load capacity	Pole Ø (min max.)	Width E	Number of tines	Weight	Closing force	Operating weight excavator
	(kg/lbs)	(mm/in)	(mm/in)		(kg/lbs)	(kN/lbf)	(t)
KM 930-1000 <i>E</i>	1000 / 2200	70 - 300 / 2.76 - 11.81	1385 / 54.53	2	430 / 946	36 / 7920	7 - 12 / 15400 - 26400
KM 930-2000 <i>E</i>	2000 / 4400	250 - 600 / 9.84 - 23.62	2280 / 89.76	4	980 / 2156	32 / 7040	16 - 25 / 35200 - 55000

Package consists of: manipulator (without upper bracket), KINSHOFER rotation (KM 930-1000*E*: KM 15 F273/273; KM 930-2000*E*: integrated

rotation), hydraulically unlockable brake, non-return valve

**Note:** tubes and poles must be clamped in the centre of gravity.

KINSHOFER Rotator				
Unlimited rotation. Overload protection du	e to pressure relief valves.			
	Upper connection	Torque	Bending moment max.	
Type	(bores/Ø hole pattern)			
	(mm/in)	(Nm/ft.lbs)	(Nm/ft.lbs)	
KM 930-1000 <i>E</i> : KM 15 F273/273	10 x M16 / Ø 273 / 10.75	2000 / 1475	50000 / 36875	
KM 930-2000E: Integrated Rotation		4000 / 2950		

## Accessories

Туре	Description
KM 980-2 2t-8t	solenoid valve for additional oil circuit to change over to 3 circuits (for gripping, lifting, turning) when only 2 circuits are available,
	ready for mounting – 12 V or 24 V, working pressure max. 250 bar, oil flow 60 l/min (do-it-yourself assembly)
KM 980-2 2t-8t c	solenoid valve KM 980-2 complete attachment kit including assembly components, hose guard, hoses and mounting on the
	KM 930 $E$ manipulator – 12 V or 24 V, working pressure max. 250 bar, oil flow 60 l/min /
	adapter for quick exchange systems from other manufacturers available

## Requirements of Excavator

Operating pressure (open/close): Pump capacity (open/close): Operating pressure (rotation): Pump capacity (rotation): KM 930-1000E

max. 32 MPa (320 bar) / 4608 psi 25 - 75 l/min / 6.61 - 19.82 GPM

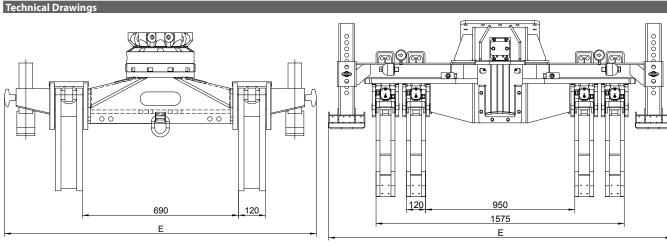
**20 - 35 MPa (200 - 350 bar) / 2901 - 5076 psi** 20 - 50 l/min / 5.28 - 13.21 GPM

in / 6.61 - 19.82 GPM 40 - 120 l/min / 10.57 - 31.70 GPM Pa (200 - 350 bar) / 2901 - 5076 psi 17 - 25 MPa (170 - 250 bar) / 2466 - 3626 psi

40 - 75 l/min / 10.57 - 19.82 GPM

max. 32 MPa (320 bar) / 4608 psi

KM 930-2000E



KM 930-1000E KM 930-2000E