

# KM 931-1000

# 3-Axes-Manipulator

The 3-Axes-Manipulator KM 931 features maximum manoeuvrability for your attachments at the loader crane's tip - and provides flexibility of the loader crane's use in any arc position.

- ▷ **3-axes-manipulator: maneuverability** by three hydraulic functions: gripping, rotating and tilting (3<sup>rd</sup> hydraulic circuit needed).
- ▷ **Endless rotation.**
- ▷ **High loads** up to 2200 lbs.
- ▷ **Precise positioning** guaranteed by self-locking worm drive (KM 931-1000).
- ▷ **5-line feedthrough.**
- ▷ **Exchange system for the use with different attachments.**



3-Axes-Manipulator KM 931-1000					
Type	Load capacity (lbs)	Slewing angle	Tilting angle	Rotation	Self weight (lbf)
KM 931-1000	2200	130°	± 80°	360° endless	638
<b>Package consists of:</b>	manipulator, hydraulic pilot controlled brake, worm drive, non-return valve				
<b>Please note:</b>	tubes or poles have to be grabbed always in the centre of gravity				

Accessories	
Type	Description
KM 980-2 c	solenoid valve KM 980-2 complete attachment kit including assembly components, hose guard, hoses and mounting on the KM 930 manipulator - 12 V or 24 V, working pressure max. 3650 psi, oil flow 16 GPM

### Requirements of Truck Crane

<b>Three hydraulic circuits needed</b>	
<b>Operating pressure:</b>	<b>2900 - 3500 psi</b>
<b>Oil flow:</b>	<b>5 - max. 10.5 GPM</b>

### Technical Drawings

