Product Features

KINSHOFER-Rotator Line

KINSHOFER manufactures rotators for truck loaders, excavators and logging operations. Years of experience in designing rotators and hydraulic load handling equipment guarantee high efficiency, long lasting rotators, specially tailored to meet your requirements. The gear-type design ensures a very compact and powerful rotator. The precision control and braking ability is especially appreciated by operators. A grapple does not rotate unexpectedly when digging, even under maximum load, and there is no need for stability compensation when handling longer lengths of timber...

These are only some of the many working situations where operators appreciate the advantages of using **KINSHOFER**-rotators.

KINSHOFER-Rotators are the solution.

Features of the KINSHOFER-Rotators

The rotator head is made of spherically cast iron or forged tempered steel, depending on

> Upper and lower connections are available in a variety of dimensions and are standard. Kinshofer carries upper suspensions for all current makes and models of cranes. Rotator heads with pin connections are equipped with steel bushings

The pressure relief valve, integrated in the rotator head, allows the rotator independence from the hydraulic system of the crane or excavator - where an extra pressure relief valve does not need to be installed

> All seals are specially designed for the application. All biodegradable synthetic oils are perfectly suitable

A very high degree of sealing between the distributor and rotor unit results in minimal internal leakage. Powerful drive and braking moments are therefore possible, even at high oil temperature

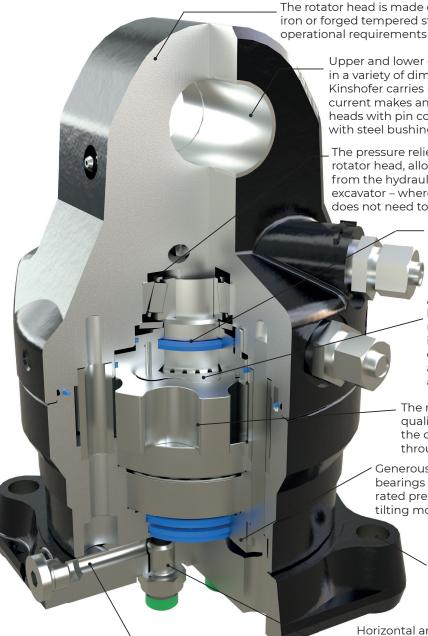
The rotor unit is made of high quality tempered steel and the outer surface is hardened through a nitrate-coating

Generously dimensioned roller bearings guarantee absorption of rated pressure and tension loads and tilting moments

> The forged, one-piece flange shaft is made of durable tempered steel

Horizontal and vertical hydraulic connection of the attaching equipment is possible

Oil passages for a single hydraulic circuit are standard and generously dimensioned for high capacity flow. Connection with standard fittings is possible because flange and rotator shaft are a single unit, which also means there are no seams between flange and rotator shaft. Rotators with four oil passages are also available



Rotator with shaft up to 3000 kg load capacity (incl. fittings)



Load capacity	Shaft Ø D	Upper connection (Width E x Pin-Ø A)	Torque	Moment of deflection max.	Self weight
(kg)	(mm)	(mm)	(Nm)	(Nm)	(kg) 24
3000	49.5	60 x 25	450	1750	24

* only for pallet forks

Type KM 03 S*

Operating pressure:	max. 37 MPa (370 bar)
Oil flow rotate:	max. 40 l/min
Oil flow feedthrough:	max. 75 I/min
Hydraulic coupling in:	G 3/8"
Hydraulic coupling out:	G 1/4"

Rotators with shaft up to 4500 kg load capacity (incl. fittings)





KM 04 S69-30

Type	Load capacity	Shaft Ø D	Upper connection (Width E x Pin-Ø A)	Torque	Moment of deflection max.	Self weight
.,,,,	(kg)	(mm)	(mm)	(Nm)	(Nm)	(kg)
KM 04 S59-30	4500	59	84 x 30	850	3000	26
KM 04 S	4500	62	84 x 30	850	3000	26
KM 04 S63-30	4500	63	84 x 30	850	3000	26
KM 04 S68-30	4500	68	84 x 30	850	3000	26
KM 04 S68-30US*	4500	68	84 x 30	1000	4500	28
KM 04 S69-30	4500	69	84 x 30	850	3000	26

* steel motor-head

Operating pressure:	max. 37 MPa (370 bar)
Oil flow rotate:	max. 40 l/min
Oil flow feedthrough:	max. 75 I/min
Hydraulic coupling:	G 1/2"

Hole pattern of flange B

(kg) (mm) (mm) 4500 □140 84 x 30

4500 □140 84 x 30

4500 □140 84 x 30

□140

Upper connection (Width E x Pin-Ø A)

84 x 30

(Nm)

850

1000

850

(Nm)

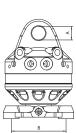
3000

8500

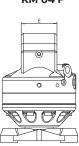
3000

3000

Rotators with flange up to 4500 kg load capacity (incl. fittings)









KM	04	F	



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KM	04	F140-30US*
KM	04	F140-30V**
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Type

KM 04 F140-30LM**
* steel motor-head

** additional vertical connection

*** low maintenance with plastic bushings and additional vertical

4500

Load capacity

Operating pressure:	max. 37 MPa (370 bar) (LM-version max. 32 MPa (320 bar))
Oil flow rotate:	max. 40 l/min
Oil flow feedthrough:	max. 75 l/min
Hydraulic coupling:	M18 x 1,5

KM 04 F140-30US

Self weight

(kg)

26

26

26

KINSHOFER-Rotator Line

	Rotators v	with shaft	up to 6000	kg load c	apacity (ir	ncl. fittii
	Load capacity	Shaft Ø D	Upper connection (Width E x Pin-Ø A)	Torque	Moment of deflection max.	Self weight
Туре	(kg)	(mm)	(mm)	(Nm)	(Nm)	(kg)
KM 06 S68-40	6000	68	84 x 40	1000	4500	32
KM 06 S69-40	6000	69	84 x 40	1000	4500	32

Operating pressure: max. 37 MPa (370 bar)
Oil flow rotate: max. 40 l/min
Oil flow feedthrough: max. 75 l/min
Hydraulic coupling in: G 1/2"
Hydraulic coupling out: M18 x 1,5



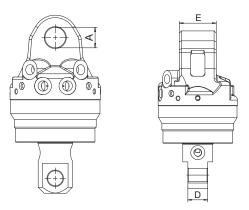
KM 06 S68-40

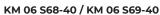
	Rotator	with flang	e up to 600	0 kg load	capacity	(incl. fitt
	Load capacity	Hole pattern of flange B	Upper connection (Width E x Pin-Ø A)	Torque	Aoment of deflection max.	Self weight
Type	(kg)	(mm)	(mm)	(Nm)	(Nm)	(kg)
KM 06 F140-40	6000	□140	84 x 40	1000	8500	34

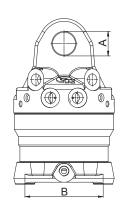
Operating pressure: max. 37 MPa (370 bar)
Oil flow rotate: max. 40 l/min
Oil flow feedthrough: max. 75 l/min
Hydraulic coupling in: G 1/2"
Hydraulic coupling out: M18 x 1,5

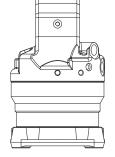


Technical drawings









KM 06 F140-40