

# KINSHOFER Rotators

**KINSHOFER** is a manufacturer of rotators for excavators, truck loaders and logging operations. Many years of experience in designing rotators and hydraulic load handling equipment allow the production of very efficient and long lasting rotators, specially tailored to each operational requirement.

- ▷ **Wide range:** depending on the usage and carrier unit the load capacity, up to 15t/33000lbs and the design – a rotator with flange or with shaft is possible to use.
- ▷ **"Gear-type"-design:** ensures very compact and powerful rotators. Precise control of approach and stop – even at a high oil temperature.
- ▷ **Endless rotation with integrated oil ducts** for one hydraulic circuit as standard; rotators with four oil passages are also available.
- ▷ **The pressure relief valve** allows the rotator independence from the hydraulic system of the excavator and prevents oversteering.
- ▷ **Safe admission of pressure, move and bending load** through big dimensioned roller bearings.
- ▷ **Minimization of abrasion:** by using high quality tempered steel, the outer surface is hardened through a nitrate-coating.



## Product Range Rotators

Type	Load capacity	Upper connection	Torque	Bending moment	Hydraulic connections		Weight
	(kg/lbs)	(width x pin-Ø) (mm/in)	(Nm/ft.lbs)	max. (Nm/ft.lbs)	rotator	grab	
<b>KM 04 F</b>	4,500 / 9,900	84 x 30 / 3.3 x 1.1	850 / 626	3,000 / 2,212	M18x1,5	M18x1,5	26 / 57.2
<b>KM 04 F140-30USE</b>	4,500 / 9,900	84 x 30 / 3.3 x 1.1	1,000 / 737	8,500 / 6,268	M18x1,5	M18x1,5	31 / 68.2
<b>KM 04 F140-30VE</b>	4,500 / 9,900	84 x 30 / 3.3 x 1.1	850 / 626	3,000 / 2,212	M18x1,5	M18x1,5	26 / 57.2
<b>KM 06 F140-40</b>	6,000 / 13,200	84 x 40 / 3.3 x 1.5	1,000 / 737	8,500 / 6,268	G 1/2"	G 1/2"	34 / 74.8
<b>KM 07 F180-40</b>	7,000 / 15,400	84 x 40 / 3.3 x 1.5	2,000 / 1,475	15,000 / 11,062	G 1/2"	M 27x2	76 / 167.2
<b>KM 10 F173-45E</b>	10,000 / 22,000	100 x 45 / 3.9 x 1.7	2,000 / 1,475	12,000 / 8,850	G 1/2"	G 1/2"	65 / 143
<b>KM 10 F180-50</b>	10,000 / 22,000	110 x 50 / 4.3 x 1.9	2,000 / 1,475	15,000 / 11,062	G 1/2"	M 27x2	78 / 171.6

## Product Range Rotators Without Head Plates

Type	Load capacity	Torque	Bending moment max.	Hydraulic connections		Weight
	(kg/lbs)	(Nm/ft.lbs)	(Nm/ft.lbs)	rotator	grab	(kg/lbs)
<b>KM 04 F140/150</b>	4,500 / 9,900	850 / 626	3,000 / 2,212	M18x1,5	M18x1,5	34 / 74.8
<b>KM 06 F 140/180</b>	6,000 / 13,200	1,000 / 737	8,500 / 6,268	G 1/2"	G 1/2"	38 / 83.6
<b>KM 06 F173/180</b>	6,000 / 13,200	1,000 / 737	8,500 / 6,268	G 1/2"	G 1/2"	34 / 74.8
<b>KM 07 F275/180</b>	7,000 / 15,400	2,000 / 1,475	14,000 / 10,325	G 1/2"	G 3/4"	73 / 160.6
<b>KM 10 F173/180</b>	10,000 / 22,000	2,000 / 1,475	12,000 / 8,850	G 1/2"	M27x2	60 / 13.2
<b>KM 10 F214/180</b>	10,000 / 22,000	1,000 / 737	12,000 / 8,850	G 1/2"	G 1/2"	44 / 96.8
<b>KM 10 F275/180V</b>	10,000 / 22,000	2,000 / 1,475	14,000 / 10,325	G 1/2"	G 3/4"	73 / 160.6
<b>KM 15 F340/220</b>	15,000 / 33,000	3,000 / 2,212	25,000 / 18,437	G 1/2"	G 3/4"	160 / 352
<b>KM 15 F273/273</b>	15,000 / 33,000	2,000 / 1,475	50,000 / 36,875	G 1/2"	G 3/4"	71 / 156.2

## Head Plates for Rotators

Type	for rotators	Load capacity	Eye width	Pin diameter
		(kg/lbs)	(mm/in)	(mm/in)
<b>KM 692 4t-6t 30</b>	<b>KM 04 F140/150</b>	4,500 / 9,900	84 / 3.3	30 / 1.1
<b>KM 692 4t-6t 40</b>	<b>KM 06 F173/180</b>	6,000 / 13,200	84 / 3.3	40 / 1.5
<b>KM 692 7t-10t 40</b>	<b>KM 07 F275/180</b>	7,000 / 15,400	84 / 3.3	40 / 1.5
<b>KM 692 7t-10t 50</b>	<b>KM 10 F173/180 - KM 10 F275/180V</b>	10,000 / 22,000	110 / 4.3	50 / 1.9
<b>KM 692 7t-10t 60</b>	<b>KM 10 F173/180 - KM 10 F275/180V</b>	10,000 / 22,000	125 / 4.9	60 / 2.3
<b>KM 692 15t 70 273</b>	<b>KM 15 F273/273</b>	15,000 / 33,000	180 / 7	70 / 2.7
<b>KM 692 15t 70 340</b>	<b>KM 15 F340/220</b>	15,000 / 33,000	180 / 7	70 / 2.7

