

# 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 overstressing.
- ▷ **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 (kg/lbs)	Upper connection (width x pin-Ø) (mm/in)	Torque (Nm/ft.lbs)	Bending moment max. (Nm/ft.lbs)	Hydraulic connections		Weight (kg/lbs)
					rotator	grab	
KM 04 F	4500 / 9900	84 x 30 / 3.3 x 1.1	850 / 626	3000 / 2212	M18x1,5	M18x1,5	26 / 57.2
KM 04 F140-30USE	4500 / 9900	84 x 30 / 3.3 x 1.1	1000 / 737	8500 / 6268	M18x1,5	M18x1,5	31 / 68.2
KM 04 F140-30VE	4500 / 9900	84 x 30 / 3.3 x 1.1	850 / 626	3000 / 2212	M18x1,5	M18x1,5	26 / 57.2
KM 06 F140-40	6000 / 13200	84 x 40 / 3.3 x 1.5	1000 / 737	8500 / 6268	G 1/2"	G 1/2"	34 / 74.8
KM 07 F180-40	7000 / 15400	84 x 40 / 3.3 x 1.5	2000 / 1475	15000 / 11062	G 1/2"	M 27x2	76 / 167.2
KM 10 F173-45E	10000 / 22000	100 x 45 / 3.9 x 1.7	2000 / 1475	12000 / 8850	G 1/2"	G 1/2"	65 / 143
KM 10 F173-52E	10000 / 22000	136 x 52,2 / 5.3 x 2	2000 / 1475	12000 / 8850	G 1/2"	G 1/2"	69 / 151.8
KM 10 F180-50	10000 / 22000	110 x 50 / 4.3 x 1.9	2000 / 1475	15000 / 11062	G 1/2"	M 27x2	78 / 171.6

## Product Range Rotators Without Head Plates

Type	Load capacity (kg/lbs)	Torque (Nm/ft.lbs)	Bending moment max. (Nm/ft.lbs)	Hydraulic connections		Weight (kg/lbs)
				rotator	grab	
KM 04 F140/150	4500 / 9900	850 / 626	3000 / 2212	M18x1,5	M18x1,5	34 / 74.8
KM 06 F 140/180	6000 / 13200	1000 / 737	8500 / 6268	G 1/2"	G 1/2"	38 / 83.6
KM 06 F173/180	6000 / 13200	1000 / 737	8500 / 6268	G 1/2"	G 1/2"	34 / 74.8
KM 07 F275/180	7000 / 15400	2000 / 1475	14000 / 10325	G 1/2"	G 3/4"	73 / 160.6
KM 10 F173/180	10000 / 22000	2000 / 1475	12000 / 8850	G 1/2"	M27x2	60 / 13.2
KM 10 F214/180	10000 / 22000	1000 / 737	12000 / 8850	G 1/2"	G 1/2"	44 / 96.8
KM 10 F275/180V	10000 / 22000	2000 / 1475	14000 / 10325	G 1/2"	G 3/4"	73 / 160.6
KM 15 F340/220	15000 / 33000	3000 / 2212	25000 / 18437	G 1/2"	G 3/4"	160 / 352
KM 15 F273/273	15000 / 33000	2000 / 1475	50000 / 36875	G 1/2"	G 3/4"	71 / 156.2

## Head Plates for Rotators

Type	for rotators	Load capacity (kg/lbs)	Eye width (mm/in)	Pin diameter (mm/in)
KM 692 4t-6t 40	KM 06 F173/180	6000 / 13200	84 / 3.3	40 / 1.5
KM 692 7t-10t 40	KM 07 F275/180	7000 / 15400	84 / 3.3	40 / 1.5
KM 692 7t-10t 50	KM 10 F173/180 - KM 10 F275/180V	10000 / 22000	110 / 4.3	50 / 1.9
KM 692 7t-10t 60	KM 10 F173/180 - KM 10 F275/180V	10000 / 22000	125 / 4.9	60 / 2.3
KM 692 15t 70 273	KM 15 F273/273	15000 / 33000	180 / 7	70 / 2.7
KM 692 15t 70 340	KM 15 F340/220	15000 / 33000	180 / 7	70 / 2.7

