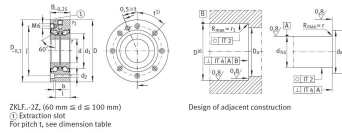


# ZKLF Series Bearings for screw drives



Designation	Mass(kg)	Dimensions(mm)										Mounting dimensions(mm)		Fixing screws DIN EN ISO 4762 10.9		Basic load ratings axial(N)	Fatigue limit load Ca	Coa	Cu N	Limiting speed nG grease min-1	Thermally safe operating speed nP min-1	Bearing frictional torque MR Nm	Rigidity axial cal. N/μm	Tilting rigidity cKl	Mass moment of inertia Mm	Axial runout μm	Recommended INA precision lockout		Required lockout force axial N		
		d	D	B	d1	r min.	r1 min.	J	d2	b	I	Da max.	da min.	t1	Size												naxta	For radial locking		For axial locking	Tightening torque MA Nm
ZKLF1255-2RS	0.37	12	55	25	25	0.3	0.6	42	6.8	3	17	3x120*	33	16	0.1	M6	3x120*	18600	24700	1460	9200	3800	0.16	375	50	0.068	2	ZM12	-	8	5307
ZKLF1255-2Z	0.37	12	55	25	25	0.3	0.6	42	6.8	3	17	3x120*	33	16	0.1	M6	3x120*	18600	24700	1460	12000	7600	0.08	375	50	0.068	2	ZM12	-	8	5307
ZKLF1560-2RS	0.43	15	60	25	28	0.3	0.6	46	6.8	3	17	3x120*	35	20	0.1	M6	3x120*	19600	28000	1650	8200	3500	0.2	400	65	0.102	2	ZM15	AM15	10	5484
ZKLF1560-2Z	0.43	15	60	25	28	0.3	0.6	46	6.8	3	17	3x120*	35	20	0.1	M6	3x120*	19600	28000	1650	10800	7000	0.1	400	65	0.102	2	ZM15	AM15	10	5484
ZKLF1762-2RS	0.45	17	62	25	30	0.3	0.6	48	6.8	3	17	6x60*	37	23	0.1	M6	3x120*	20700	31000	1840	7600	3300	0.24	450	80	0.132	2	ZM17	AM17	15	7514
ZKLF1762-2Z	0.45	17	62	25	30	0.3	0.6	48	6.8	3	17	6x60*	37	23	0.1	M6	3x120*	20700	31000	1840	10100	6600	0.12	450	80	0.132	2	ZM17	AM17	15	7514
ZKLF2068-2RS	0.61	20	68	28	34.5	0.3	0.6	53	6.8	3	19	8x45*	43	25	0.1	M6	4x90*	28500	47000	2750	6600	3000	0.3	650	140	0.273	2	ZM20	AM20	18	8258
ZKLF2068-2Z	0.61	20	68	28	34.5	0.3	0.6	53	6.8	3	19	8x45*	43	25	0.1	M6	4x90*	28500	50000	2750	8700	5400	0.15	650	140	0.273	2	ZM20	AM20	18	8258
ZKLF2575-2RS	0.72	25	75	28	40.5	0.3	0.6	58	6.8	3	19	8x45*	48	32	0.1	M6	4x90*	30500	55000	3250	5700	2600	0.4	750	200	0.486	2	ZM25	AM25	25	9123
ZKLF2575-2Z	0.72	25	75	28	40.5	0.3	0.6	58	6.8	3	19	8x45*	48	32	0.1	M6	4x90*	30500	55000	3250	7500	4700	0.2	750	200	0.486	2	ZM25	AM25	25	9123
ZKLF3080-2RS	0.78	30	80	28	45.5	0.3	0.6	63	6.8	3	19	12x30*	53	40	0.1	M6	6x60*	32000	64000	3750	5000	2200	0.5	850	300	0.73	2.5	ZM30	AM30	32	9947
ZKLF3080-2Z	0.78	30	80	28	45.5	0.3	0.6	63	6.8	3	19	12x30*	53	40	0.1	M6	6x60*	32000	64000	3750	6700	4300	0.25	850	300	0.73	2.5	ZM30	AM30	32	9947
ZKLF30100-2RS	1.63	30	100	38	51	0.3	0.6	80	8.8	3	30	8x45*	64	47	0.2	M8	8x45*	65000	108000	6400	4500	2100	0.8	950	400	1.91	2.5	ZMA30/52	AM30	65	19509
ZKLF30100-2Z	1.63	30	100	38	51	0.3	0.6	80	8.8	3	30	8x45*	64	47	0.2	M8	8x45*	65000	108000	6400	5600	4000	0.4	950	400	1.91	2.5	ZMA30/52	AM30	65	19509
ZKLF3590-2RS	1.13	35	90	34	52	0.3	0.6	75	8.8	3	25	8x45*	62	45	0.2	M8	4x90*	45000	89000	5200	4400	2000	0.6	900	400	1.51	2.5	ZM35	AM35/58	40	10770
ZKLF3590-2Z	1.13	35	90	34	52	0.3	0.6	75	8.8	3	25	8x45*	62	45	0.2	M8	4x90*	45000	89000	5200	5800	3800	0.3	900	400	1.51	2.5	ZM35	AM35/58	40	10770
ZKLF40100-2RS	1.46	40	100	34	58	0.3	0.6	80	8.8	3	25	8x45*	67	50	0.2	M8	4x90*	47500	101000	6000	4000	1800	0.7	1000	550	2.26	2.5	ZM40	AM40	55	13412
ZKLF40100-2Z	1.46	40	100	34	58	0.3	0.6	80	8.8	3	25	8x45*	67	50	0.2	M8	4x90*	47500	101000	6000	5200	3300	0.35	1000	550	2.26	2.5	ZM40	AM40	55	13412
ZKLF40115-2RS	2.2	40	115	46	65	0.6	0.6	94	8.8	3	36	12x30*	80	56	0.2	M8	12x30*	79000	149000	8800	3500	1600	1.3	1200	750	5.5	2.5	ZMA40/62	AM40	110	25185
ZKLF40115-2Z	2.2	40	115	46	65	0.6	0.6	94	8.8	3	36	12x30*	80	56	0.2	M8	12x30*	79000	149000	8800	4400	3100	0.65	1200	750	5.5	2.5	ZMA40/62	AM40	110	25185
ZKLF50115-2RS	1.86	50	115	34	72	0.3	0.6	94	8.8	3	25	12x30*	82	63	0.2	M8	6x60*	51000	126000	7400	3200	1500	0.9	1250	1000	5.24	2.5	ZM50	AM50	85	16280
ZKLF50115-2Z	1.86	50	115	34	72	0.3	0.6	94	8.8	3	25	12x30*	82	63	0.2	M8	6x60*	51000	126000	7400	4200	3000	0.45	1250	1000	5.24	2.5	ZM50	AM50	85	16280
ZKLF50140-2RS	4.7	50	140	54	80	0.6	0.6	113	11	3	45	12x30*	98	63	0.2	M10	12x30*	125000	250000	14800	2900	1200	2.6	1400	1500	15.2	2.5	ZMA50/75	AM50	150	28451
ZKLF50140-2Z	4.7	50	140	54	80	0.6	0.6	113	11	3	45	12x30*	98	63	0.2	M10	12x30*	125000	250000	14800	3500	2500	1.3	1400	1500	15.2	2.5	ZMA50/75	AM50	150	28451
ZKLF60145-2Z	4.3	60	145	45	85	0.6	0.6	120	8.8	3	35	8x45*	100	82	0.2	M8	8x45*	93000	214000	12600	4000	3000	1	1300	1650	13.7	3	ZMA60/98	AM60	100	16700
ZKLF70155-2Z	4.9	70	155	45	95	0.6	0.6	130	8.8	3	35	8x45*	110	92	0.2	M8	8x45*	97000	241000	14200	3800	2800	1.2	1450	2250	19.8	3	ZMA70/110	AM70	130	19031
ZKLF80165-2Z	5.3	80	165	45	105	0.6	0.6	140	8.8	3	35	8x45*	120	102	0.2	M8	8x45*	100000	265000	15400	3600	2700	1.4	1600	3000	27.6	3	ZMA80/120	AM80	160	20604
ZKLF90190-2Z	8.7	90	190	55	120	0.6	0.6	165	11	3	45	8x45*	138	116	0.2	M10	8x45*	149000	395000	21300	3500	2300	2.3	1700	4400	59.9	3	ZMA90/130	AM90	200	22731
ZKLF100200-2Z	9.3	100	200	55	132	0.6	0.6	175	11	3	45	8x45*	150	128	0.2	M10	8x45*	154000	435000	22400	3300	2150	2.6	1900	5800	85.3	3	ZMA100/140	AM100	250	25624
ZKLF100230-2Z	17.6	100	230	85	146	0.6	0.6	200	14	3	73	12x30*	175	130	0.4	M12	12x30*	295000	790000	29000	2900	2000	3	2450	8200	185	3	-	AM100	500	52000