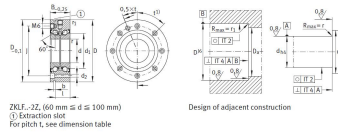


ZKLF Series Bearings for screw drives



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	Limiting speed Coa	Thermally safe operating speed 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 c/k	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	47000	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