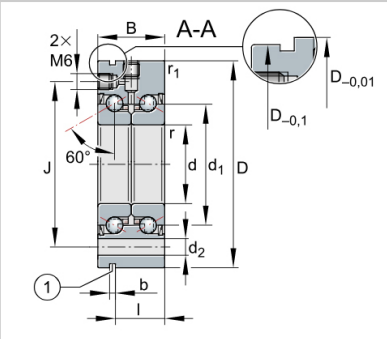
ZKLF ZKLN Double Direction Axial Angular Contact Ball Bearings

洛阳盟拓轴承科技有限公司
Louyang Monton Bearing Science&Technology Co.ltd.

ZKLF Axial angular contact ball bearings





Designation	Mass ≈ kg	Dimensions										Pitch n×t	Mounting dimensions			Fixing screws DIN EN ISO 4762 10.9		Basic load ratings axial		Fatigue limit load Cu N	Limiting speed n G grease min−1	Thermally safe operating speed n P min−1	Bearing friction torque MR Nm	Rigidity axial ca L N/µm	Tilting rigidity ckL	Mass moment of inertia M m	Axial runout µm	Recommended INA precision locknut			Required locknut for ce axial N
		d –0,005	D –0,01	B –0,25	d1	r min.	r1 min.	J	d2	b	l		Da max.	da min.	t1	Size	na x ta	dyn. Ca N	stat. C0a N									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	3×120°	33	16	0.1	M6	3×120°	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	3×120°	33	16	0.1	M6	3×120°	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	3×120°	35	20	0.1	M6	3×120°	19600	28000	1650	8200	3500	0.2	400	65	0.102	2	ZM15	AM15	10	5484
ZKLF15	0.43	15	60	25	28	0.3	0.6	46	6.8	3	17	3×120°	35	20	0.1	M6	3×120°	19600	28000	1650	10800	7000	0.1	400	65	0.102	2	ZM15	AM15	10	5484

60-2Z																												
ZKLF1762-2RS	0.45	17	62	25	30	0.3	0.6	48	6.8	3	17	6×60°	37	23	0.1	M6	3×120°	20700	31000	1840	7600	33000	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	6×60°	37	23	0.1	M6	3×120°	20700	31000	1840	10100	66000	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	8×45°	43	25	0.1	M6	4×90°	28500	47000	2750	6600	30000	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	8×45°	43	25	0.1	M6	4×90°	28500	47000	2750	8700	54000	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	8×45°	48	32	0.1	M6	4×90°	30500	55000	3250	5700	26000	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	8×45°	48	32	0.1	M6	4×90°	30500	55000	3250	7500	47000	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	12×30°	53	40	0.1	M6	6×60°	32000	64000	3750	5000	22000	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	12×30°	53	40	0.1	M6	6×60°	32000	64000	3750	6700	43000	0.25	850	300	0.73	2.5	ZM30	AM30	32	9947
ZKLF3010	1.63	30	100	38	51	0.3	0.6	80	8.8	3	30	8×45°	64	47	0.2	M8	8×45°	65000	108000	6400	4500	21000	0.8	950	400	1.91	2.5	ZMA30/52	AM30	65	19509

0-2RS																												
ZKLF30100-2Z	1.63	30	100	38	51	0.3	0.6	80	8.8	3	30	8×45°	64	47	0.2	M8	8×45°	65000	1080000	64000	56000	40000	0.4	950	400	1.91	2.5	ZMA30/52	AM30	65	195099
ZKLF3590-2RS	1.13	35	90	34	52	0.3	0.6	75	8.8	3	25	8×45°	62	45	0.2	M8	4×90°	45000	89000	52000	44000	20000	0.6	900	400	1.51	2.5	ZM35	AM35/58	40	107770
ZKLF3590-2Z	1.13	35	90	34	52	0.3	0.6	75	8.8	3	25	8×45°	62	45	0.2	M8	4×90°	45000	89000	52000	58000	38000	0.3	900	400	1.51	2.5	ZM35	AM35/58	40	107770
ZKLF40100-2RS	1.46	40	100	34	58	0.3	0.6	80	8.8	3	25	8×45°	67	50	0.2	M8	4×90°	47500	101000	60000	40000	18000	0.7	1000	550	2.26	2.5	ZM40	AM40	55	134112
ZKLF40100-2Z	1.46	40	100	34	58	0.3	0.6	80	8.8	3	25	8×45°	67	50	0.2	M8	4×90°	47500	101000	60000	52000	33000	0.35	1000	550	2.26	2.5	ZM40	AM40	55	134112
ZKLF40115-2RS	2.2	40	115	46	65	0.6	0.6	94	8.8	3	36	12×30°	80	56	0.2	M8	12×30°	79000	149000	88000	35000	16000	1.3	1200	750	5.5	2.5	ZMA40/62	AM40	110	251185
ZKLF40115-2Z	2.2	40	115	46	65	0.6	0.6	94	8.8	3	36	12×30°	80	56	0.2	M8	12×30°	79000	149000	88000	44000	31000	0.65	1200	750	5.5	2.5	ZMA40/62	AM40	110	258115

Designation	Mass ≈ kg	Dimensions										Pitch × t	Mounting dimensions			Fixing screws DIN EN ISO 4762 10.9		Basic load ratings axial		Fatigue limit load ≈ CuN	Limiting speed ≈ n Grease min–1	Thermally safe operating speed ≈ nP min–1	Bearing frictional torque MRNm	Rigidity axial ca LN/µm	Tilting rigidity ckL	Mass moment of inertia Mm	Axial runout µm	Recommended INA precision locknut			Required locknut for axial N
		d –0,005	D –0,01	B –0,25	d1	r min.	r1 min.	J	d2	b	l		Da max.	da min.	t1	Size	na × ta	dyn. Ca N	stat. C0a N									For radial locking	For axial locking	Tightening torque MA Nm	
ZKLF 50115-2RS	1.86	50	115	34	72	0.3	0.6	94	8.8	3	25	12 × 30°	82	63	0.2	M8	6 × 60°	51000	126000	7400	3200	1500	0.9	1250	1000	5.24	2.5	ZM50	AM50	85	16280
ZKLF 50115-2Z	1.86	50	115	34	72	0.3	0.6	94	8.8	3	25	12 × 30°	82	63	0.2	M8	6 × 60°	51000	126000	7400	4200	3000	0.45	1250	1000	5.24	2.5	ZM50	AM50	85	16280
ZKLF 50140-2RS	4.7	50	140	54	80	0.6	0.6	113	11	3	45	12 × 30°	98	63	0.2	M10	12 × 30°	125000	250000	14800	2900	1200	2.6	1400	1500	15.2	2.5	ZMA50/75	AM50	150	28451
ZKLF 50140-2Z	4.7	50	140	54	80	0.6	0.6	113	11	3	45	12 × 30°	98	63	0.2	M10	12 × 30°	125000	250000	14800	3500	2500	1.3	1400	1500	15.2	2.5	ZMA50/75	AM50	150	28451
ZKLF 60145-2Z	4.3	60	145	45	85	0.6	0.6	120	8.8	3	35	8 × 45°	100	82	0.2	M8	8 × 45°	93000	214000	12600	4000	3000	1	1300	1650	13.7	3	ZMA60/98	AM60	100	16700
ZKLF 70155-2Z	4.9	70	155	45	95	0.6	0.6	130	8.8	3	35	8 × 45°	110	92	0.2	M8	8 × 45°	97000	241000	14200	3800	2800	1.2	1450	2250	19.8	3	ZMA70/110	AM70	130	19031

ZKLF8016 5-2Z	5.3	80	165	45	105	0.6	0.6	140	8.8	3	35	8×45°	120	102	0.2	M8	8×45°	100000	265000	154000	360000	27000	1.4	16000	30000	27.6	3	ZMA80/120	AM80	160	206004
ZKLF9019 0-2Z	8.7	90	190	55	120	0.6	0.6	165	11	3	45	8×45°	138	116	0.2	M10	8×45°	149000	395000	213300	350000	23000	2.3	17000	44000	59.9	3	ZMA90/130	AM90	200	227331
ZKLF1002 00-2Z	9.3	100	200	55	132	0.6	0.6	175	11	3	45	8×45°	150	128	0.2	M10	8×45°	154000	435000	224000	330000	21550	2.6	19000	58000	85.3	3	ZMA100/140	AM100	250	256244
ZKLF1002 30-2Z	17.6	100	230	85	146	0.6	0.6	200	14	3	73	12×30°	175	130	0.4	M12	12×30°	295000	790000	290000	290000	20000	3	24500	82000	185	3	–	AM100	500	520000
ZKLF1255 -2RS-PE	0.37	12	55	25	25	0.3	0.6	42	6.8	3	17	3×120°	33	16	0.1	M6	3×120°	16900	24700	10900	92000	38000	0.16	375	50	0.068	5	ZM12	–	8	53007
ZKLF1560 -2RS-PE	0.43	15	60	25	28	0.3	0.6	46	6.8	3	17	3×120°	35	20	0.1	M6	3×120°	17900	28000	12400	82000	35000	0.2	400	65	0.102	5	ZM15	AM15	10	5484
ZKLF1762 -2RS-PE	0.45	17	62	25	30	0.3	0.6	48	6.8	3	17	6×60°	37	23	0.1	M6	3×120°	18800	31000	13800	76000	33000	0.24	450	80	0.132	5	ZM17	AM17	15	7514
ZKLF2068 -2	0.61	20	68	28	34.5	0.3	0.6	53	6.8	3	19	8×45°	43	25	0.1	M6	4×90°	26000	47000	20700	66000	30000	0.3	650	140	0.273	5	ZM20	AM20	18	8258

RS-PE																												
ZKLF2575-2RS-PE	0.72	25	75	28	40.5	0.3	0.6	58	6.8	3	19	8×45°	48	32	0.1	M6	4×90°	27500	55000	2450	5700	2600	0.4	750	200	0.486	5	ZM25	AM25	25	9123
ZKLF3080-2RS-PE	0.78	30	80	28	45.5	0.3	0.6	63	6.8	3	19	12×30°	53	40	0.1	M6	6×60°	29000	64000	2800	5000	2200	0.5	850	300	0.73	5	ZM30	AM30	32	9947
ZKLF3590-2RS-PE	1.13	35	90	34	52	0.3	0.6	75	8.8	3	25	8×45°	62	45	0.2	M8	4×90°	41000	89000	3950	4400	2000	0.6	900	400	1.51	5	ZM35	AM35/58	40	10770
ZKLF40100-2RS-PE	1.46	40	100	34	58	0.3	0.6	80	8.8	3	25	8×45°	67	50	0.2	M8	4×90°	43000	101000	4450	4000	1800	0.7	1000	550	2.26	5	ZM40	AM40	55	13412
ZKLF50115-2RS-PE	1.86	50	115	34	72	0.3	0.6	94	8.8	3	25	12×30°	82	63	0.2	M8	6×60°	46500	126000	5600	3200	1500	0.9	1250	1000	5.24	5	ZM50	AM50	85	16280
ZKLF1762-2RS-2AP	0.9	17	62	50	30	0.3	0.6	48	6.8	3	42	6×60°	37	23	0.1	M6×60	6×60°	33500	62000	3700	7600	3300	0.36	800	200	0.264	2	ZM17	AM17	15	7514

Designation	Mass □m = kg □	Dimensions										Pitch n× t	Mounting dimensions			Fixing screws DIN EN ISO 4762 10.9		Basic load ratings axial		Fatigue limit load d □ Cu N□	Limiting speed □n G grease min–1□	Thermally safe operating speed □ nP min–1□	Bearing frictional torque MR N m	Rigidity axial ca L N/µ m	Tilting rigidity ckL	Mass moment of inertia M m	Axial runout µ m	Recommended INA precision locknut			Required locknut for force axial N
		d –0,005	D –0,01	B –0,25	d1	r min.	r1 min.	J	d2	b	l		Da max.	da min.	t1	Size	na× ta	dyn. Ca N	sta t. C0a N									For radial locking	For axial locking	Tightening torque MA N m	
ZKLF2068-2RS-2AP	1.22	20	68	56	34.5	0.3	0.6	53	6.8	3	47	8×45°	43	25	0.1	M6×70	8×45°	46000	94000	5500	6600	3000	0.45	1150	320	0.564	2	ZMA20/38	AM20	18	82582
ZKLF2575-2RS-2AP	1.44	25	75	56	40.5	0.3	0.6	58	6.8	3	47	8×45°	48	32	0.1	M6×70	8×45°	49000	111000	6500	5700	2600	0.6	1300	450	0.972	2	ZMA25/45	AM25	25	91223
ZKLF3080-2RS-2AP	1.56	30	80	56	45.5	0.3	0.6	63	6.8	3	47	12×30°	53	40	0.1	M6×70	12×30°	52000	127000	7500	5000	2200	0.75	1500	620	1.46	2.5	ZMA30/52	AM30	32	99447
ZKLF3590-2RS-2AP	2.26	35	90	68	52	0.3	0.6	75	8.8	3	59	8×45°	62	45	0.2	M8×80	8×45°	73000	177000	10500	4400	2000	0.9	1600	900	3.02	2.5	ZMA35/58	AM35/58	40	107770
ZKLF40100-2R	2.92	40	100	68	58	0.3	0.6	80	8.8	3	59	8×45°	67	50	0.2	M8×80	8×45°	77000	202000	11900	4000	1800	1.05	1750	1200	4.52	2.5	ZMA40/62	AM40	55	134112

S-2AP																													
ZKLF50115-2RS-2AP	3.72	50	115	68	72	0.3	0.6	94	8.8	3	59	12×30°	82	63	0.2	M8×80	12×30°	83000	2500000	14900	3200	1500	1.35	2200	2250	10.48	2.5	ZMA50/75	AM50	85	16280