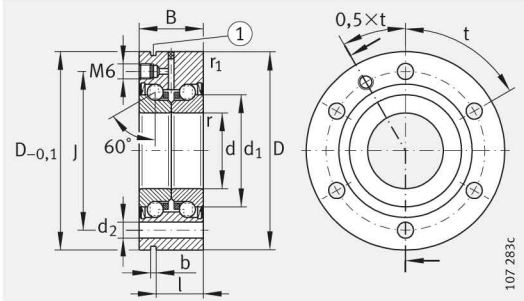


Axial angular contact ball bearings

For screw mounting
Less stringent tolerances



ZKLF..-2RS-PE
① Extraction slot
Pitch t: see dimension table

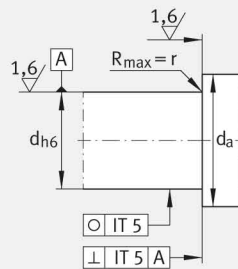
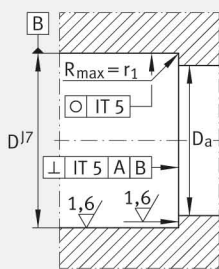
Dimension table · Dimensions in mm

Designation	Mass	Dimensions											Mounting dimensions		Fixing screws ¹⁾ DIN 912-10.9	
	m	d	D	B	d ₁	r	r ₁	J	d ₂	b	l	D _a	d _a			
	≈kg	−0,01		−0,25		min.	min.					max.	min.	Size	Quantity	
ZKLF1255-2RS-PE	0,37	12	55 _{−0,013}	25	25	0,3	0,6	42	6,8	3	17	33	16	M6	3	
ZKLF1560-2RS-PE	0,43	15	60 _{−0,013}	25	28	0,3	0,6	46	6,8	3	17	35	20	M6	3	
ZKLF1762-2RS-PE	0,45	17	62 _{−0,013}	25	30	0,3	0,6	48	6,8	3	17	37	23	M6	3	
ZKLF2068-2RS-PE	0,61	20	68 _{−0,013}	28	34,5	0,3	0,6	53	6,8	3	19	43	25	M6	4	
ZKLF2575-2RS-PE	0,72	25	75 _{−0,013}	28	40,5	0,3	0,6	58	6,8	3	19	48	32	M6	4	
ZKLF3080-2RS-PE	0,78	30	80 _{−0,013}	28	45,5	0,3	0,6	63	6,8	3	19	53	40	M6	6	
ZKLF3590-2RS-PE	1,13	35	90 _{−0,015}	34	52	0,3	6,8	75	8,8	3	25	62	45	M8	4	
ZKLF40100-2RS-PE	1,46	40	100 _{−0,015}	34	58	0,3	6,8	80	8,8	3	25	67	50	M8	4	
ZKLF50115-2RS-PE	1,86	50	115 _{−0,015}	34	72	0,3	6,8	94	8,8	3	25	82	63	M8	6	

1) Tightening torque of fixing screws according to manufacturer's data.
Screws are not included in the delivery.

2) Mass moment of inertia for rotating inner ring.

3) Only valid in conjunction with INA precision locknuts.



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Design of adjacent construction

Pitch t	Basic load ratings axial		Limiting speed n_G grease min^{-1}	Bearing frictional torque M_{RL} Nm	Rigid- ity axial c_{aL} $\text{N}/\mu\text{m}$	Tilting rigidity c_{kL} Nm/mrad	Mass moment of inertia ²⁾ M_m $\text{kg} \cdot \text{cm}^2$	Axial runout μm	Recommended INA locknut; to be ordered separately		
	dyn. C_a	stat. C_{0a}							Designation	Tight- ening torque ³⁾ M_A Nm	Axial pre- load force N
	N	N									
3X120°	16 900	24 700	3800	0,16	375	50	0,068	5	ZM12 –	8	5 038
3X120°	17 900	28 000	3500	0,2	400	65	0,102	5	ZM15 AM15	10	5 484
3X120°	18 800	31 000	3300	0,24	450	80	0,132	5	ZM17 AM17	15	7 157
4X 90°	26 000	47 000	3000	0,3	650	140	0,273	5	ZM20 AM20	18	9 079
4X 90°	27 500	55 000	2600	0,4	750	200	0,486	5	ZM25 AM25	25	9 410
6X 60°	29 000	64 000	2200	0,5	850	300	0,73	5	ZM30 AM30	32	10 451
4X 90°	41 000	89 000	2000	0,6	900	400	1,51	5	ZM35 AM35/58	40	10 770
4X 90°	43 000	101 000	1800	0,7	1000	550	2,26	5	ZM40 AM40	55	13 412
6X 60°	46 500	126 000	1500	0,9	1250	1000	5,24	5	ZM50 AM50	85	17 009

