

ZYS THRUST ANGULAR CONTACT BALL BEARING

ZYSN and ZYSF series thrust angular contact ball bearings are precision bearings, mainly used for screw drive. It is a complete bearing unit consisting of a whole outer ring, two inner rings, steel balls, cages and sealing rings.

After assembly, the bearing is O - shaped (DB) with a contact Angle of 60. It can withstand both axial and radial loads by applying a preload through a precision lock nut.

The bearings are sealed on both sides, grease lubricated and designed with relubrication structure. The cage is made of polyamide PA66-GF25 material and can work continuously for a long time under the working temperature below 120C.

ZYSF-ZRS, ZYSF-2Z SERIES thrust angular contact ball bearings

Withstand bidirectional axial load/Outer ring suitable for flange mounting

Bearing model	Weight (kg)	Dimension (mm)											Pitch	Basic rated load (KN)		Fixing screw		Limit speed (r/min)
		d	D	B	d1	D1	r _{min.}	r1 _{min.}	J	d2	B	l		Quantity *†	Dynamic Ca	Static Coa	Quantity	
ZYSF1255-2RS	0.37	12	55	25	25	33.5	0.3	0.6	42	6.5	3	17	3*120°	15.3	22.2	M6	3	3400
ZYSF1255-2Z	0.37	12	55	25	25	33.5	0.3	0.6	42	6.5	3	17	3*120°	15.3	22.2	M6	3	6850
ZYSF1560-2RS	0.43	15	60	25	28	36	0.3	0.6	46	6.5	3	17	3*120°	16.1	25.5	M6	3	3200
ZYSF1560-2Z	0.43	15	60	25	28	36	0.3	0.6	46	6.5	3	17	3*120°	16.1	25.5	M6	3	6300

ZYSF1762-2RS	0.45	17	62	25	30	38	0.3	0.6	48	6.5	3	17	3*120°	16.9	28	M6	3	3000
ZYSF1762-2Z	0.45	17	62	25	30	38	0.3	0.6	48	6.5	3	17	3*120°	16.9	28	M6	3	5900
ZYSF2068-2RS	0.61	20	68	28	34.5	44	0.3	0.6	53	6.5	3	19	4*90°	23.4	42.3	M6	4	2700
ZYSF2068-2Z	0.61	20	68	28	34.5	44	0.3	0.6	53	6.5	3	19	4*90°	23.4	42.3	M6	4	4800
ZYSF2575-2RS	0.72	25	75	28	40.5	49	0.3	0.6	58	6.5	3	19	4*90°	24.8	50	M6	4	2400
ZYSF2575-2Z	0.72	25	75	28	40.5	49	0.3	0.6	58	6.5	3	19	4*90°	24.8	50	M6	4	4300
ZYSF3080-2RS	0.78	30	80	28	45.5	54	0.3	0.6	63	6.5	3	19	6*60°	26.1	57.6	M6	6	2000
ZYSF3080-2Z	0.78	30	80	28	45.5	54	0.3	0.6	63	6.5	3	19	6*60°	26.1	57.6	M6	6	3900
ZYSF3590-2RS	1.13	35	90	34	52	63	0.3	0.6	75	8.5	3	25	4*90°	36.9	80	M8	4	1800
ZYSF3590-2Z	1.13	35	90	34	52	63	0.3	0.6	75	8.5	3	25	4*90°	36.9	80	M8	4	3400

ZYSF4010 0-2RS	1.46	40	10 0	34	58	68	0.3	0.6	80	8.5	3	25	4*90°	38.7	91	M8	4	1600
ZYSF4010 0-2Z	1.46	40	10 0	34	58	68	0.3	0.6	80	8.5	3	25	4*90°	38.7	91	M8	4	3000
ZYSF5011 5-2RS	1.86	50	11 5	34	72	82	0.3	0.6	94	8.5	3	25	6*60°	41.8	113	M8	6	1400
ZYSF5011 5-2Z	1.86	50	11 5	34	72	82	0.3	0.6	94	8.5	3	25	6*60°	41.8	113	M8	6	2700
ZYSF6014 5-2Z	4.3	60	14 5	45	85	100	0.6	0.6	12 0	8.5	3	35	8*45°	75.6	193	M8	8	2700
ZYSF7015 5-2Z	4.9	70	15 5	45	95	110	0.6	0.6	13 0	8.5	3	35	8*45°	79	217	M8	8	2500
ZYSF8016 5-2Z	5.3	80	16 5	45	105	120	0.6	0.6	14 0	8.5	3	35	8*45°	82	238	M8	8	2400
ZYSF9019 0-2Z	8.7	90	19 0	55	120	138	0.6	0.6	16 5	10. 5	3	45	8*45°	121	355	M1 0	8	2100
ZYSF1002 00-2Z	9.3	10 0	20 0	55	132	150	0.6	0.6	71 5	10. 5	3	45	8*45°	126	392	M1 0	8	1900

ZYSF-ZRS DE SERIES thrust angular contact ball bearings

Withstand bidirectional axial load/Outer ring suitable for flange mounting/With increased tolerance

Bearing model	Weight (kg)	Dimension (mm)											Pitch	Basic rated load (KN)		Fixing screw		Limit speed (r/min)
		d	D	B	d1	D1	r _{min.}	r _{1min}	J	d2	B	I		Quantity *†	Dynamic Ca	Static Coa	Quantity	
ZYSF1255-2RS DE	0.37	12	55	25	25	33.5	0.3	0.6	42	6.8	3	17	3*120°	15.3	22.2	M6	3	3400
ZYSF1560-2RS DE	0.43	15	60	25	28	36	0.3	0.6	46	6.8	3	17	3*120°	16.1	25.2	M6	3	3200
ZYSF1762-2RS DE	0.45	17	62	25	30	38	0.3	0.6	48	6.8	3	17	3*120°	16.9	28	M6	3	3000
ZYSF2068-2RS DE	0.61	20	68	28	34.5	44	0.3	0.6	53	6.8	3	19	4*90°	23.4	42.3	M6	4	2700
ZYSF2575	0.72	25	75	28	40.	49	0.3	0.6	58	6.8	3	19	4*90°	24.8	50	M6	4	2400

-2RS DE				5														
ZYSF3080 -2RS DE	0.78	30	80	28	45.5	54	0.3	0.6	63	6.8	3	19	6*60°	26.1	57.6	M6	6	2000
ZYSF3590 -2RS DE	1.13	35	90	34	52	63	0.3	0.6	75	8.8	3	25	4*90°	36.9	80	M8	4	1800
ZYSF4010 0-2RS DE	1.46	40	100	34	58	68	0.3	0.6	80	8.8	3	25	4*90°	38.7	91	M8	4	1600
ZYSF5011 5-2RS DE	1.86	50	115	34	72	82	0.3	0.6	94	8.8	3	25	6*60°	41.8	113	M8	6	1400

ZYSF-ZRS 2DF SERIES thrust angular contact ball bearings

Withstand bidirectional axial load/Outer ring suitable for flange mounting/Used in pairs

Bearing model	Weight (kg)	Dimension (mm)											Pitch	Basic rated load (KN)		Fixing screw		Limit speed (r/min)
		d	D	B	d1	D1	r _{min.}	r1 _{min}	J	d2	B	I		Quantity*†	Dynamic Ca	Static Coa	Quantity	
ZYSF1762-2 RS 2DF	0.9	17	62	50	30	38	0.3	0.6	48	6.5	3	42	6*60°	27.5	55.8	M6*60	5	3000

ZYSF2068-2 RS 2DF	1.22	20	68	56	34.5	44	0.3	0.6	53	6.5	3	47	8*45°	37.8	84.6	M6*70	7	2700
ZYSF2575-2 RS 2DF	1.44	25	75	56	40.5	49	0.3	0.6	58	6.5	3	47	8*45°	40	100	M6*70	7	2400
ZYSF3080-2 RS 2DF	1.56	30	80	56	45.5	54	0.3	0.6	63	6.5	3	47	12*30°	42.8	114	M6*70	11	2000
ZYSF3590-2 RS 2DF	2.26	35	90	68	52	63	0.3	0.6	75	8.5	3	59	8*45°	59.4	159	M8*80	7	1800
ZYSF40100- 2RS 2DF	2.92	40	100	68	58	68	0.3	0.6	80	8.5	3	59	8*45°	63	182	M8*80	7	1600
ZYSF50115- 2RS 2DF	3.72	50	115	68	72	82	0.3	0.6	94	8.5	3	59	12*30°	68.4	225	M8*80	11	1400