

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.

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

Withstand bidirectional axial load

Bearing model	Weight (kg)	Dimension (mm)							Basic rated load (KN)		Limit speed (r/min)
		d	D	B	d1	D1	r _{min.}	r _{1min.}	Dynamic Ca	Static Coa	
ZYSN 1034-2RS	0.1	10	34	20	21	28.5	0.3	0.6	12	17	4100
ZYSN 1034-2Z	0.1	10	34	20	21	28.5	0.3	0.6	12	17	7750
ZYSN 1242-2RS	0.2	12	42	25	25	33.5	0.3	0.6	15.3	22.2	3400
ZYSN 1242-2Z	0.2	12	42	25	25	33.5	0.3	0.6	15.3	22.2	6850
ZYSN 1545-2RS	0.21	15	45	25	28	36	0.3	0.6	16.1	25.2	3200
ZYSN 1545-2Z	0.21	15	45	25	28	36	0.3	0.6	16.1	25.2	6300
ZYSN 1747-2RS	0.22	17	47	25	30	38	0.3	0.6	16.9	28	3000

ZYSN 1747-2Z	0.22	17	47	25	30	38	0.3	0.6	16.9	28	5900
ZYSN 2052-2RS	0.31	20	52	28	34.5	44	0.3	0.6	23.4	42.3	2700
ZYSN 2052-2Z	0.31	20	52	28	34.5	44	0.3	0.6	23.4	42.3	4800
ZYSN 2557-2RS	0.34	25	57	28	40.5	49	0.3	0.6	24.8	50	2400
ZYSN 2557-2Z	0.34	25	57	28	40.5	49	0.3	0.6	24.8	50	4300
ZYSN 3062-2RS	0.39	30	62	28	45.5	54	0.3	0.6	26.1	57.6	2000
ZYSN 3062-2Z	0.39	30	62	28	45.5	54	0.3	0.6	26.1	57.6	3900
ZYSN 3572-2RS	0.51	35	72	34	52	63	0.3	0.6	36.9	80	1800
ZYSN 3572-2Z	0.51	35	72	34	52	63	0.3	0.6	36.9	80	3400
ZYSN 4075-2RS	0.61	40	75	34	58	68	0.3	0.6	38.7	91	1600
ZYSN 4075-2Z	0.61	40	75	34	58	68	0.3	0.6	38.7	91	3000
ZYSN 5090-2RS	0.88	50	90	34	72	82	0.3	0.6	41.8	113	1400

ZYSN 5090-2Z	0.88	50	90	34	72	82	0.3	0.6	41.8	113	2700
ZYSN 60110-2Z	2.2	60	110	45	85	100	0.6	0.6	75.6	193	2700
ZYSN 70120-2Z	2.4	70	120	45	95	110	0.6	0.6	79	217	2500
ZYSN 80130-2Z	2.7	80	130	45	105	120	0.6	0.6	82	238	2400
ZYSN 90150-2Z	4.5	90	150	55	120	138	0.6	0.6	121	355	2100
ZYSN 100160-2Z	4.9	100	160	55	132	150	0.6	0.6	126	392	1900

ZYSN-ZRS DE SERIES thrust angular contact ball bearings

Withstand bidirectional axial load/With increased tolerance

Bearing model	Weight (kg)	Dimension (mm)							Basic rated load (KN)		Limit speed (r/min)
		d	D	B	d1	D1	r _{min.}	r _{1min.}	Dynamic Ca	Static Coa	
ZYSN1034-2RS DE	0.1	10	34	20	21	28.5	0.3	0.6	12	17	4100
ZYSN1242-2RS DE	0.2	12	42	25	25	33.5	0.3	0.6	15.3	22.2	3400
ZYSN1545-2RS DE	0.21	15	45	25	28	36	0.3	0.6	16.1	25.2	3200
ZYSN1747-2RS DE	0.22	17	47	25	30	38	0.3	0.6	16.9	28	3000
ZYSN2052-2RS DE	0.31	20	52	28	34.5	44	0.3	0.6	23.4	42.3	2700
ZYSN2557-2RS DE	0.34	25	57	28	40.5	49	0.3	0.6	24.8	50	2400
ZYSN3062-2RS DE	0.39	30	62	28	45.5	54	0.3	0.6	26.1	57.6	2000
ZYSN5090-2RS DE	0.88	50	90	34	72	82	0.3	0.6	41.8	113	1400

ZYSN-ZRS 2DF SERIES thrust angular contact ball bearings

Withstand bidirectional axial load/Used in pairs

Bearing model	Weight (kg)	Dimension (mm)							Basic rated load (KN)		Limit speed (r/min)
		d	D	B	d1	D1	r _{min.}	r _{1min.}	Dynamic Ca	Static Coa	Grease
ZYSN1747-2RS 2DF	0.44	17	47	50	30	38	0.3	0.6	27.5	55.8	3000
ZYSN2052-2RS 2DF	0.62	20	52	56	34.5	44	0.3	0.6	37.8	84.6	2700
ZYSN2557-2RS 2DF	0.68	25	57	56	40.5	49	0.3	0.6	40	100	2400
ZYSN3062-2RS 2DF	1.78	30	62	56	45.5	54	0.3	0.6	42.8	114	2000
ZYSN3572-2RS 2DF	1.02	35	72	68	52	63	0.3	0.6	59.4	159	1800
ZYSN4075-2RS 2DF	1.22	40	75	68	58	68	0.3	0.6	63	182	1600
ZYSN5090-2RS 2DF	1.76	50	90	68	72	82	0.3	0.6	68.4	225	1400