

# ZON™

BEARINGS FOR YOUR FUTURE



**Axialrillenkugellager / Three Part Thrust Series**





BEARINGS FOR YOUR FUTURE

**Zen Ball Bearings are manufactured to the highest quality for standard and non-standard applications. Our technical department can modify any non-standard bearings to your specific requirements, regardless of quantity.**

Apart from our extensive miniature ball bearing range of more than 1000 different types, ranging from 1-10 mm bore (Including inch dimensions), our range also includes Thin section, Three part thrust, Popular metric and any kind of non standard bearing. We are able to design bearings according to your requirements using new materials like ceramic or special steels for applications in Industry, Medicine, Chemistry and Food Processing.

Our technical department can modify any non-standard bearings to your specific requirements, even for small quantities.

For any items not listed in our catalogue, please contact our experienced sales team.



### Axialrillenkugellager Three Part Thrust Series



Ölschmierung\*  
Oil lubrication\*



Wetterbeständig\*^▼  
Outdoor durability\*^▼



Lösungsmittelresistent\*^▼  
Chemical solvent resistant\*^▼



Geeignet für hohe Tragzahlen\*^  
Suitable for heavy load rating\*^



Zen Ball Bearings Shanghai has been awarded the German ISO TUV Rheinland certification for inspection of ZEN products.

This certification is the highest standard a business in our industry can achieve.

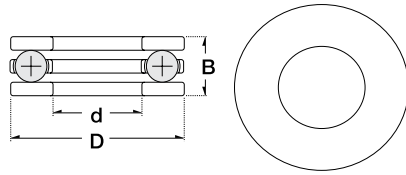
It is internationally recognised as a guarantee of quality, customer focus and continual improvement.

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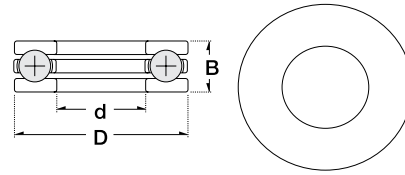
# Axialrillenkugellager / Three Part Thrust Series



Type F ohne Laufnute / without groove



Type B mit Laufnute / with groove



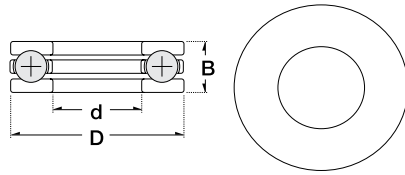
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Dimension (mm)			Designation/Type		* Load Rating (only 100 Cr6)		* Limiting Speed x1000rpm		Weight (g) approx.
d	D	B	Chrome Steel	Stainless	C, dyn. N	C, stat. N	Grease	Oil	
2.0	6.0	3.0	F 2-6	-	123	82	-	7.5	< 1 g
4.0	9.0	4.0	F 4-9	-	167	157	-	6.5	< 1 g
4.0	10.0	4.5	F 4-10	-	274	245	-	6.0	< 2 g
5.0	11.0	4.5	F 5-11	-	284	284	-	5.0	< 3 g
6.0	12.0	4.5	F 6-12	-	274	284	-	4.0	< 3 g
7.0	15.0	5.0	F 7-15	-	559	549	-	3.8	< 5 g
8.0	16.0	5.0	F 8-16	-	598	627	-	3.5	< 5 g
9.0	17.0	5.0	F 9-17	-	578	627	-	3.5	< 6 g
10.0	18.0	5.5	F10-18	-	617	706	-	3.0	< 6 g
3.0	8.0	3.5	B 3	SB 3	602	611	-	15.0	< 2 g
4.0	10.0	4.0	B 4	SB 4	602	611	-	15.0	< 2 g
5.0	12.0	4.0	B 5	SB 5	640	810	-	13.0	< 2 g
6.0	14.0	5.0	B 6	SB 6	1275	1560	-	10.0	< 2 g
7.0	17.0	6.0	B 7	SB 7	1830	2450	-	10.0	< 2 g
8.0	19.0	7.0	B 8	SB 8	2340	3190	-	8.0	< 2 g
9.0	20.0	7.0	B 9	SB 9	2400	3190	-	8.0	< 2 g
10.0	24.0	9.0	51100	S51100	8710	8800	7.5	9.5	20 g
10.0	26.0	11.0	51200	S51200	12700	17000	6.0	8.0	29 g
12.0	26.0	9.0	51101	S51101	9035	10000	7.0	9.5	22 g
12.0	28.0	11.0	51201	S51201	13200	19000	6.0	8.0	32 g
15.0	28.0	9.0	51102	S51102	9360	11200	6.3	8.5	24 g
15.0	32.0	12.0	51202	S51202	16600	25000	5.0	6.7	43 g
17.0	30.0	9.0	51103	S51103	9750	12200	6.3	8.5	28 g
17.0	35.0	12.0	51203	S51203	17300	27500	5.0	6.7	50 g
20.0	35.0	10.0	51104	S51104	12740	16600	5.6	7.5	40 g

# Axialrillenkugellager / Three Part Thrust Series



Type 51... mit Laufnute / with groove



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Dimension (mm)			Designation/Type		* Load Rating (only 100 Cr6)		* Limiting Speed x1000rpm		Weight (g) approx.
d	D	B	Chrome Steel	Stainless	C, dyn. N	C, stat. N	Grease	Oil	
20.0	40.0	14.0	51204	S51204	19890	25000	4.3	5.6	82 g
25.0	42.0	11.0	51105	S51105	15860	22800	4.8	6.3	59 g
25.0	47.0	15.0	51205	S51205	25090	34000	3.8	5.0	120 g
25.0	52.0	18.0	51305	-	34500	55000	3.2	4.3	154 g
30.0	47.0	11.0	51106	S51106	16770	26500	4.5	6.0	68 g
30.0	52.0	16.0	51206	S51206	25480	37500	3.6	4.5	150 g
30.0	60.0	21.0	51306	-	38000	65500	3.0	4.0	244 g
35.0	52.0	12.0	51107	S51107	17420	30000	4.3	5.6	90 g
35.0	62.0	18.0	51207	S51207	39000	78000	3.0	4.0	220 g
35.0	68.0	24.0	51307	-	50000	88000	2.7	3.6	351 g
40.0	60.0	13.0	51108	S51108	23400	40000	3.8	5.0	120 g
40.0	68.0	19.0	51208	S51208	46500	98000	2.9	3.8	270 g
40.0	78.0	26.0	51308	-	61000	112000	2.4	3.2	536 g
45.0	65.0	14.0	51109	S51109	24180	45000	3.4	4.5	150 g
45.0	73.0	20.0	51209	S51209	47500	105000	2.5	3.5	320 g
45.0	85.0	28.0	51309	-	75000	14000	2.1	3.0	612 g
50.0	70.0	14.0	51110	S51110	25480	50000	3.3	4.5	160 g
50.0	78.0	22.0	51210	S51210	48500	111000	2.4	3.4	390 g
50.0	95.0	31.0	51310	-	86500	170000	1.9	2.8	932 g
55.0	78.0	16.0	51111	S51111	34500	93000	2.7	3.8	240 g
55.0	90.0	25.0	51211	S51211	69000	159000	1.9	2.8	610 g
55.0	105.0	35.0	51311	-	102000	208000	1.7	2.4	1300 g
60.0	85.0	17.0	51112	S51112	41500	113000	2.6	3.7	290 g
60.0	85.0	17.0	51212	S51212	73000	179000	1.9	2.7	690 g
60.0	110.0	35.0	51312	S51312	100000	208000	1.6	2.2	1360 g

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