



Our Technologies Realize Your Dreams



Thrust Bearings



Thrust bearings are bearings that are designed to bear load purely in the thrust direction. They are machined with a high precision ball rotation groove, even for extremely small types, and are widely used in high and medium speed precision mechanisms that require durability.



Origin Co., Ltd.

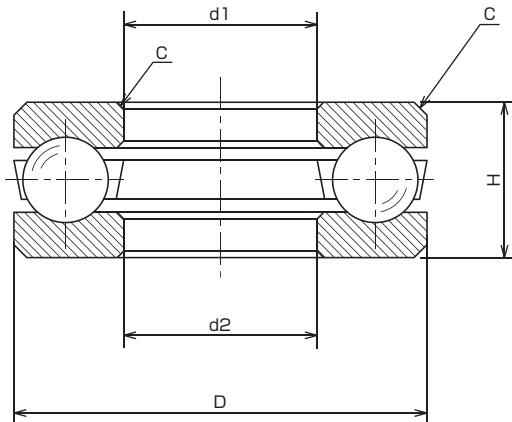
01 | Specifications for the Standard Models

Naming and auxiliary symbols

Material codes	Bearing numbers	
	Bearing type codes	Size codes
CR	T	9 – 17
CR =SUJ-2 High chrome bearing steel	T =Thrust bearing	Rotating ring bore – Fixed ring o.d (mm)
SS =Martensite stainless steel		

Thrust Bearings

CRT-, SST-



1. Unless otherwise noted, the standard oil are enclosed as lubricant.
2. Customized products for special applications are fabricated upon requests.
3. A material for the balls is high chrome bearing steel. (or martensite stainless steel.)

Thrust Bearings

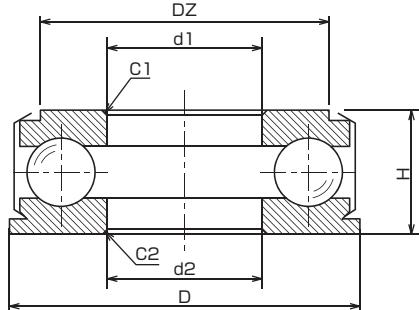
Unit=mm

Nominal Number	Rotating ring bore $d_1 \text{ } 0 \text{--} 0.008$	Fixed ring bore $d_2 \pm 0.05$	Outside dia. $D \text{ } 0 \text{--} 0.008$	Height $H \text{ } 0 \text{--} 0.07$	Chamfer (c)	Rated load Dynamic load (N)
T 3 – 8	3	3.2	8	3.5	0.2	1797
T 4 – 9	4	4.2	9	4	0.2	1873
T 5 – 1 0	5	5.2	10	4	0.2	1173
T 6 – 1 2	6	6.2	12	4.5	0.2	1810
T 7 – 1 5	7	7.2	15	5.5	0.3	3949
T 8 – 1 6	8	8.2	16	5	0.3	3886
T 9 – 1 7	9	9.2	17	5	0.3	3796
T 9 – 1 9	9	9.2	19	6.5	0.3	5529
T 1 0 – 1 8	10	10.2	18	5.5	0.3	2458
T 1 0 – 2 0	10	10.2	20	6.5	0.3	5402
T 1 2 – 2 3	12	12.2	23	7.5	0.3	7211

02 Special Applications

Please consult us when using for the special applications in the figure shown below.

Thrust Shielded Bearings



CRT-fZ, SST-fZ

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3. A material for the balls is high chrome bearing steel.
(or martensite stainless steel.)

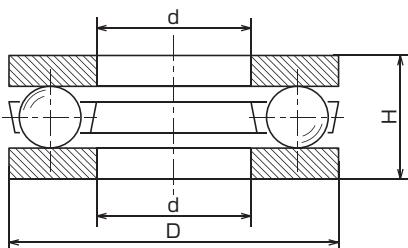
Thrust Shielded Bearings

Unit=mm

Nominal Number	Rotating ring bore $d_1 +0.05$	Fixed ring bore $d_2 +0.1$	Outside dia. $D +0.02$ -0.05	Height $H +0.07$ -0.07	Land dia. (DZ)	Chamfer (c_1/c_2)	Basic rated Load Dynamic load (N)
T 4 - 6.3 f Z	4	4.1	6.3	5	5.1	0.2/0.2	510
T 6 - 9.8 f Z	6	6.1	9.8	5	8	0.3/0.2	1083
T 7 - 11.8 f Z	7	7.1	11.8	5	10	0.5/0.2	1847
T 9 - 13.8 f Z 5	9	9.1	13.8	5	11.5	0.5/0.2	1860
T 9 - 13.8 f Z 6.5	9	9.1	13.8	6.5	11.5	0.5/0.2	1860
T 10 - 15.3 f Z	10	10.1	15.3	6.5	13.6	0.5/0.2	2649
T 13 - 19.3 f Z	13	13.1	19.3	7	17.6	0.5/0.2	3796
T 15 - 23.3 f Z	15	15.1	23.3	7.5	20	0.5/0.2	5962

Note) Thrust Shielded Bearing are make-to-order production. Please consult us before placing an order.

Thrust Flat Bearings



SKT-

1. Unless otherwise noted, the standard oil is enclosed as lubricant.
2. Customized products for special applications are fabricated upon request.
3. A material for the balls is high chrome bearing steel.
A material for the retainer is stainless steel.

Thrust Flat Bearings

Unit=mm

Nominal Number	Bore $d \pm 0.1$	Outside dia. $D \pm 0.1$	Height $H \pm 0.1$	Basic rated load Dynamic load (N)
SKT 3 - 8	3	8	2.78	90
SKT 4 - 9	4	9	2.78	99
SKT 6 - 12	6	12	4.5	137
SKT 8 - 16	8	16	5	294
SKT 10 - 18	10	18	4.78	242
SKT 12 - 20 (24)	12	20(24)	5.6	356

Note) Thrust Flat Bearing are make-to-order production. Please consult us before placing an order.



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Safety Warning The data presented in this catalog are for general application purposes. Do not use this product in such a way that may be harmful to people or exceed its performance.

Safety Precaution To avoid accidents and/or failures as well as to ensure safety, do not use this product exceeding the specifications noted in this catalog and ignoring the precautions.

*Specifications are subject to change without a notice for future development.