


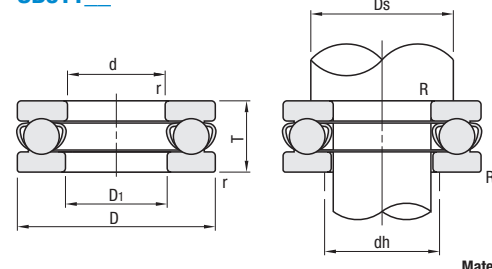
Thrust Ball Bearings

Thrust Ball Bearings



RoHS 10

B511 ___ **SB511** ___
B512 ___



Material: Steel Type 52100 Bearing Steel
Stainless Steel Type 440C Stainless Steel or Equivalent
Bearing Accuracy JIS B 1514 Class 0

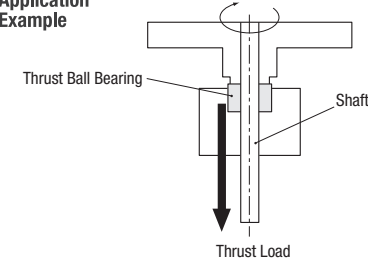
The raceway plates and the retainer comes apart easily. Take care when opening the product package.

kgf=Nx0.101972

Part Number		d	D	D1 (min)	T	r (min)	Basic Load Rating				Allowable Rotational Speed rpm (Reference)	Relative Dimensions			Mass (g) (Reference)		
Steel Type	Stainless Steel Type						Ca (Dynamic) kN	Coa (Static) kN	Ca (Dynamic) kN	Coa (Static) kN		Ds (min)	dh (max.)	R (max.)	Steel Type	Stainless Steel Type	
B51100	SB51100	10	24	0 -0.013	11	0 -0.008	0.3	10.1	14	5	6.96	6700	18	16	0.3	19	21
B51200	—		26		12		11	0.6	12.8	17.1	—	—	6000	20	16	0.6	28
B51101	SB51101	12	26	0 -0.013	13	0 -0.008	0.3	10.4	15.4	5.15	7.7	6700	20	18	0.3	21	23
B51201	—		28		14		11	0.6	13.3	19	—	—	5600	22	18	0.6	31
B51102	SB51102	15	28	0 -0.016	16	0 -0.010	0.3	10.6	16.8	5.25	8.38	6300	23	20	0.3	23	24
B51202	—		32		17		12	0.6	16.7	24.8	—	—	5000	25	22	0.6	43
B51103	SB51103	17	30	0 -0.016	18	0 -0.010	0.3	11.4	19.5	5.39	9.07	6000	25	22	0.3	25	26
B51203	—		35		19		12	0.6	17.3	27.3	—	—	4800	28	24	0.6	50
B51104	SB51104	20	35	0 -0.016	21	0 -0.010	0.3	15.1	26.6	7.11	12.36	5300	29	26	0.3	37	40
B51204	—		40		22		14	0.6	22.5	37.5	—	—	4300	32	28	0.6	77
B51105	SB51105	25	42	0 -0.010	26	0 -0.010	0.6	19.7	37	9.76	18.63	4800	35	32	0.6	56	60
B51205	—		47		27		15	0.6	28	50.5	—	—	3800	38	34	0.6	111
B51106	SB51106	30	47	0 -0.019	32	0 -0.019	0.6	20.6	42	10.2	21.08	4300	40	37	0.6	64	69
B51206	—		52		32		16	0.6	29.5	58	—	—	3400	43	39	0.6	137

Part Number Example **Part Number**
B51200
SB51100


Application Example



Thrust Ball Bearing
Shaft
Thrust Load

Thrust Needle Roller Bearings

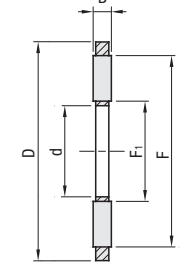
Thrust Needle Roller Bearings



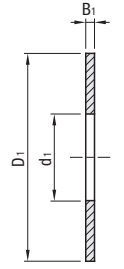
RoHS 10

BA ___

Thrust Needle Roller with Retainer



Thrust Washer



Material: 52100 Bearing Steel
Bearing Accuracy: In accordance with JIS B 1514 Class 0

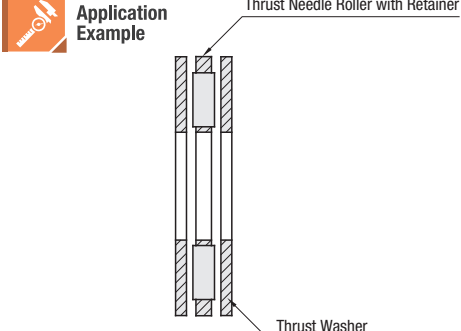
*Thrust washer may have a slight distortion when delivered, but it becomes flat when axial load of at least 200N is applied.

kgf=Nx0.101972

Part Number	d	Thrust Needle Roller with Retainer				Thrust Washer x 2				Allowable Rotational Speed rpm (Reference)	Mass (g) (Reference)	Basic Dynamic Load Rating Ca kN	Basic Static Load Rating Coa kN				
		D	Tolerance	B	Tolerance	F	F1	d1	Tolerance					D1	Tolerance	B1	Tolerance
BA0414	4	14	-0.095	2	0 -0.01	13	5	4	+0.200 +0.020	14	-0.032	1	+0.05 -0.05	5200	2.7	4.4	8
BA0515	5	15	-0.365			14	6	5		5200	2.8			4.75	9.2		
BA0619	6	19	-0.110 -0.440	18	7	6	4700	5	6.8	15.5							
BA0821	8	21	-0.110 -0.440	20	9	8	4500	6	7.8	19.4							
BA1024	10	24	-0.110 -0.440	23	12	10	4200	9	9.2	25.5							
BA1226	12	26	-0.110 -0.440	25	14	12	3700	9	9.9	29.0							
BA1528	15	28	-0.110 -0.440	27	17	15	3200	10	11.3	36.0							
BA1730	17	30	-0.110 -0.440	29	19	17	3000	12	11.9	39.5							
BA2035	20	35	-0.120 -0.510	34	22	20	2500	15	13.1	46.5							
BA2542	25	42	-0.130 -0.520	41	29	25	2100	21	14.7	58.0							
BA3047	30	47	-0.130 -0.520	46	34	30	1800	24	16.3	70.0							

Part Number Example **Part Number**
BA0515

Application Example



Thrust Needle Roller with Retainer
Thrust Washer