

Thrust Ball Bearings

Thrust Needle Roller Bearings

Thrust Ball Bearings B511 SB511 B512

Material: Steel SUJ2
Stainless Steel SUS440C Equivalent
Bearing Accuracy: JIS B 1514 Class 0

RoHS10

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

Thrust Needle Roller Bearings BA

Material: Steel SUJ2 Equivalent
Bearing Accuracy: JIS B 1514 Class 0 Compliant

RoHS10

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

Part Number	Steel	Stainless Steel	d	D	D1	T	r	Basic Load Rating				Allowable Rotational Speed rpm (Reference)	Relative Dimensions			Mass (g) (Reference)		Unit Price	
								Steel		Stainless Steel			Ds	dh	R	Steel	Stainless Steel	Steel	Stainless Steel
								Ca (Dynamic) kN	Coa (Static) kN	Ca (Dynamic) kN	Coa (Static) kN								
B51100	SB51100		10	24	11	9	0.3	10.1	14	5	6.96	6700	18	16	0.3	19	21		
B51200	-		10	26	12	11	0.6	12.8	17.1	-	-	6000	20	16	0.6	28	-		
B51101	SB51101		12	26	13	9	0.3	10.4	15.4	5.15	7.7	6700	18	18	0.3	21	23		
B51201	-		12	28	14	11	0.6	13.3	19	-	-	5600	22	18	0.6	31	-		
B51102	SB51102		15	28	16	9	0.3	10.6	16.8	5.25	8.38	6300	23	20	0.3	23	24		
B51202	-		15	32	17	12	0.6	16.7	24.8	-	-	5000	25	22	0.6	43	-		
B51103	SB51103		17	30	18	9	0.3	11.4	19.5	5.39	9.07	6000	25	22	0.3	25	26		
B51203	-		17	35	19	12	0.6	17.3	27.3	-	-	4800	28	24	0.6	50	-		
B51104	SB51104		20	35	21	10	0.3	15.1	26.6	7.11	12.36	5300	29	26	0.3	37	40		
B51204	-		20	40	22	14	0.6	22.5	37.5	-	-	4300	32	28		77	-		
B51105	SB51105		25	42	26	11		19.7	37	9.76	18.63	4800	35	32		56	60		
B51205	-		25	47	27	15	0.6	28	50.5	-	-	3800	38	34	0.6	111	-		
B51106	SB51106		30	47	32	11		20.6	42	10.2	21.08	4300	40	37		64	69		
B51206	-		30	52	32	16	0.6	29.5	58	-	-	3400	43	39		137	-		

kgf=Nx0.101972

Part Number	Thrust Needle Roller with Retainer					Thrust Washer x2				Allowable Rotational Speed rpm (Reference)	Mass (g) (Reference)	Basic Dynamic Load Rating Ca kN	Basic Static Load Rating Coa kN	Unit Price
	d	D	B	F	F1	d1	D1	B1						
BA0414	4	14	13	5	4	4	14	1	5200	2.7	4.4	8		
BA0515	5	15	14	6	5	5	15	1	5200	2.8	4.75	9.2		
BA0619	6	19	18	7	6	6	19	1	4700	5	6.8	15.5		
BA0821	8	21	20	9	8	8	21	1	4500	6	7.8	19.4		
BA1024	10	24	23	12	10	10	24	1	4200	9	9.2	25.5		
BA1226	12	26	25	14	12	12	26	1	3700	10	9.9	29.0		
BA1528	15	28	27	17	15	15	28	1	3200	12	11.3	36.0		
BA1730	17	30	29	19	17	17	30	1	3000	15	11.9	39.5		
BA2035	20	35	34	22	20	20	35	1	2500	21	13.1	46.5		
BA2542	25	42	41	29	25	25	42	1	2100	24	14.7	58.0		
BA3047	30	47	46	34	30	30	47	1	1800		16.3	70.0		

kgf=Nx0.101972

Ordering Example Part Number B51200 SB51100

Ordering Example Part Number BA0515

