

Thrust Needle Bearings/Thrust Ball Bearings



Please order according to the diagram

①~③ Select the type and parameters in the order of for ordering

■ Thrust Needle Bearings

Model(①Code) — ②d — ③D
YGB — 05 — 15

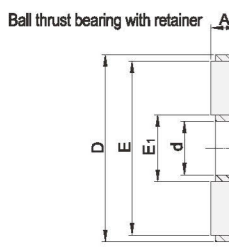
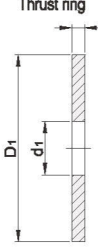
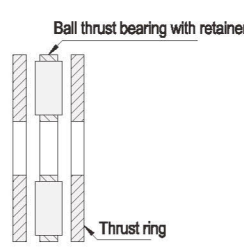
■ Thrust Ball Bearings

Model(①Code) — ②Bearing Model
YGC — 51100

■ Thrust Needle Bearings



① Please note that the thrust ring may have slight deformation during delivery. Before use, please apply a minimum axial load of 200N in a concentric manner to flatten it.

Code	Bearing Type Code	Bearing accuracy	Bearing Material	
			International	Equivalent
YGB	—	GB/T 307.1 6 Grade	GCr15	SUJ2

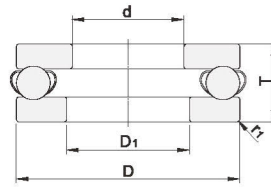
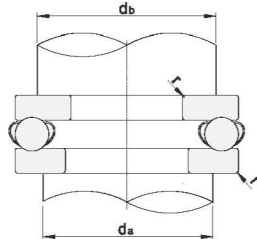
Code	Ball thrust bearing with retainer							Thrust ring ×2					Allowable Rotational Speed rpm (Reference)	Weight (g) (Reference)	Basic dynamic load rating Ca kN	Basic static load rating Cca kN
	d	D			E	E ₁	d ₁	D ₁		B						
YGB0414	4	14	-0.095 +0.020		13	5	4	14	-0.032 -0.302			5200	2.7	4.4	8	
YGB0515	5	15			14	6	5	+0.200 +0.020	15			5200	2.8	4.75	9.2	
YGB0619	6	19	-0.11 -0.44		18	7	6		19			4700	5	6.8	15.5	
YGB0821	8	21	+0.175 +0.025		20	9	8	+0.245 +0.025	21			4500	6	7.8	19.4	
YGB1024	10	24			23	12	10		24	-0.040 -0.370		4200		9.2	25.5	
YGB1226	12	26	-0.11 -0.44	2	25	14	12		26		1	3700	9.9	29		
YGB1528	15	28		0 -0.01	27	17	15	+0.302 +0.032	28		±0.05	3200	10	11.3	36	
YGB1730	17	30			29	19	17		30			3000	12	11.9	39.5	
YGB2035	20	35	-0.12 -0.61		34	22	20		35			2500	15	13.1	46.5	
YGB2542	25	42	+0.250 +0.004		41	29	25	+0.370 +0.040	42	-0.050 -0.440		2100	21	14.7	58	
YGB3047	30	47			46	34	30		47			1800	24	16.3	70	

① 1Kgf=9.81N

■ Thrust Ball Bearings



① Both raceway rings and retainers are dismountable. Please take care when unpacking.

Code	d	D	D1 min	T	r1 min	Basic Rated Load		Allowable Rotational Speed rpm (Reference)	Installation size			Weight (g) (Reference)
						Cr(Dynamic) N	Cor(Static) N		db min	da max	r max	
YGC51100	10	24	11	9	0.3	10.1	14	6700	18	16	0.3	19
YGC51200		26	12	11	0.6	12.8	17.1	6000	20		0.6	28
YGC51101	12	28	13	9	0.3	10.4	15.4	6700		18	0.3	21
YGC51201		28	14	11	0.6	13.3	19	5600	22		0.6	31
YGC51102	15	32	16	9	0.3	10.6	16.8	6300	23	20	0.3	23
YGC51202		32	17	12	0.6	16.7	24.8	5000	25	22	0.6	43
YGC51103	17	30	18	9	0.3	11.4	19.5	6000			0.3	25
YGC51203		35	19	12	0.6	17.3	27.3	4800	28	24	0.6	50
YGC51104	20	40	21	10	0.3	15.1	26.6	5300	29	26	0.3	37
YGC51204		40	22	14		22.5	37.5	4300	32	28		77
YGC51105	25	42	26	11		19.7	37	4800	35	32		56
YGC51205		47	27	15	0.6	28	50.5	3800	38	34	0.6	111
YGC51106	30	52	32	11		20.6	42	4300	40	37		64
YGC51206		52	32	16		29.5	58	3400	43	39		137

① 1Kgf=9.81N