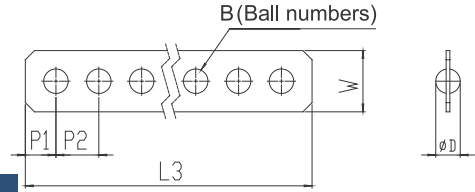


Linear Motion Component ► Retainer

Ball Type | Bronze | GB



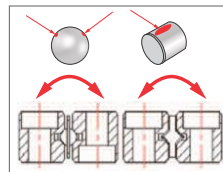
Guide code, EX : GB0310 GB= BALL (GR=roller), 02=Diameter, 10= ball numbers

Model no.	Retainer dimensions (mm)					Basic dynamic load rating	Basic static load rating	Material standard	
	ØD	P1	P2	T (thickness)	W (width)	C N	Co N	Retainer	Ball
GB01	Ø1.5	1.75	3	0.2	3.5	7.6	21.0	Phosphoy bronze (C5191)	SUJ2
GB02	Ø2.0	2.30	4	0.3	5.0	12.0	37.0		
GB03	Ø3.0	2.86	5	0.4	7.0	26.5	84.0		
GB04	Ø4.0	3.90	7	0.5	9.0	43.0	148.0		
GB06	Ø6.0	4.80	9	0.6	13.5	92.0	330.0		

Model no.	Retainer dimensions (mm)								Rail length	Model no.	Retainer dimensions (mm)								Rail length
	ØD	P1	P2	T (thickness)	W (width)	L3 (length)	R (ball qty)	ØD			P1	P2	T (thickness)	W (width)	L3 (length)	R (ball qty)			
GB0105	Ø1.5	1.75	3	0.2	3.5	15.5	5	GBV01-20	GB0408	Ø4	3.9	7	0.5	9	56.8	8	GBV04-80		
GB0107						21.5	7	GBV01-30	GB0411						77.8	11	GBV04-120		
GB0109						27.5	9	GBV01-40	GB0414						98.8	14	GBV04-160		
GB0111						33.5	11	GBV01-50	GB0418						126.8	18	GBV04-200		
GB0113						39.5	13	GBV01-60	GB0421						147.8	21	GBV04-240		
GB0115						45.5	15	GBV01-70	GB0424						168.8	24	GBV04-280		
GB0117						51.5	17	GBV01-80	GB0428						196.8	28	GBV04-320		
GB0205	Ø2	2.3	4	0.3	5	20.6	5	GBV02-30	GB0431	Ø6	4.8	9	0.6	13.5	217.8	31	GBV04-360		
GB0208						32.6	8	GBV02-45	GB0434						238.8	34	GBV04-400		
GB0210						40.6	10	GBV02-60	GB0438						266.8	38	GBV04-440		
GB0212						48.6	12	GBV02-75	GB0441						287.8	41	GBV04-480		
GB0214						56.6	14	GBV02-90	GB0607						63.6	7	GBV06-100		
GB0216						64.6	16	GBV02-105	GB0611						99.6	11	GBV06-150		
GB0218						72.6	18	GBV02-120	GB0614						126.6	14	GBV06-200		
GB0221						84.6	21	GBV02-135	GB0617						153.6	17	GBV06-250		
GB0223						92.6	23	GBV02-150	GB0620						180.6	20	GBV06-300		
GB0225						100.6	25	GBV02-165	GB0624						216.6	24	GBV06-350		
GB0227	108.6	27	GBV02-180	GB0627	243.6	27	GBV06-400												
GB0307	Ø3	2.86	5	0.4	7	35.7	7	GBV03-50	GB0630	Ø6	4.8	9	0.6	13.5	270.6	30	GBV06-450		
GB0310						50.7	10	GBV03-75	GB0633						297.6	33	GBV06-500		
GB0313						65.7	13	GBV03-100	GB0636						324.6	36	GBV06-550		
GB0315						75.7	15	GBV03-125	GB0640						360.6	40	GBV06-600		
GB0318						90.7	18	GBV03-150											
GB0321						105.7	21	GBV03-175											
GB0324						120.7	24	GBV03-200											
GB0327						135.7	27	GBV03-225											
GB0330						150.7	30	GBV03-250											
GB0333						165.7	33	GBV03-275											
GB0336						180.7	36	GBV03-300											

Model no.	GB	03	10
	Ball	Dia.	Ball qty

● Character comparison of roller & ball



● Suggestion :

- (1) Ball type : Usually in light load, high speed, retainer is made of bronze alloy.
- (2) Roller type : Usually in mid-high load, high speed, retainer is made per environment request.
- (3) Running inertial, temperature rise, and environment shall be all taken into account while using.

Item	Roller	Ball
Rigidity	◎◎◎◎	◎◎
Load	◎◎◎◎	◎◎
Accuracy	◎◎◎◎	◎◎◎
Life	◎◎◎◎	◎◎◎
Friction	◎◎	◎◎◎◎
Speed	◎◎	◎◎◎◎

◎ : Normal ◎◎ : Good
◎◎◎ : Better ◎◎◎◎ : Best

★ Customized specification, purchasement per appoint roller quantity with the standard roller diameter.