

Retainer part number example: GRP0206 02=Diameter, 06=Roller numbers

Modelno.	Retainer dimension (mm)					Basic dynamic Loadrating	Basic static Loadrating		Material (standard type)		Material (anti-rust type)	
	ØD	P1	P2	T	W	C N	CO	N	Retainer	Roller	Retainer	Roller
GRP01	Ø 1.5	1.9	3	0.5	3.75	125		144	POM	SUJ2	POM	SUS440C
GRP02	Ø 2.0	2.8	4	0.8	5.5	293	292					
GRP03	Ø 3.0	3.2	5	1	7.5	638	761					
GRP04	Ø 4.0	4.3	7	1.5	9.8	1230	1170					
GRP06	Ø 6.0	5.4	9	2	14	2570	2632					

Modelno.	Retainer dimensions (mm)							GMTBall length	Modelno.	Retainer dimensions (mm)							GMTBall length
	ØD	P1	P2	T	W	L3	R			ØD	P1	P2	T	W	L3	R	
GRP0105	Ø1.5	1.9	3	0.5	3.75	15.8	5	GRV01-20	GRP0408	Ø4	4.3	7	1.5	9.8	57.6	8	GRV04-80
GRP0107						21.8	7	GRV01-30	GRP0411						78.6	11	GRV04-120
GRP0109						27.8	9	GRV01-40	GRP0414						99.6	14	GRV04-160
GRP0111						33.8	11	GRV01-50	GRP0418						127.6	18	GRV04-200
GRP0113						39.8	13	GRV01-60	GRP0421						148.6	21	GRV04-240
GRP0115						45.8	15	GRV01-70	GRP0424						169.6	24	GRV04-280
GRP0117						51.8	17	GRV01-80	GRP0428						197.6	28	GRV04-320
GRP0205	Ø 2	2.8	4	0.8	5.5	21.6	5	GRV02-30	GRP0431	Ø6	5.4	9	2	14	218.6	31	GRV04-360
GRP0208						33.6	8	GRV02-45	GRP0434						239.6	34	GRV04-400
GRP0210						41.6	10	GRV02-60	GRP0438						267.6	38	GRV04-440
GRP0212						49.6	12	GRV02-75	GRP0441						288.6	41	GRV04-480
GRP0214						57.6	14	GRV02-90	GRP0607						64.8	7	GRV06-100
GRP0216						65.6	16	GRV02-105	GRP0611						100.8	11	GRV06-150
GRP0218						73.6	18	GRV02-120	GRP0614						127.8	14	GRV06-200
GRP0221						85.6	21	GRV02-135	GRP0617						154.8	17	GRV06-250
GRP0223						93.6	23	GRV02-150	GRP0620						181.8	20	GRV06-300
GRP0225						101.6	25	GRV02-165	GRP0624						217.8	24	GRV06-350
GRP0227	109.6	27	GRV02-180	GRP0627	244.8	27	GRV06-400										
GRP0307	Ø 3	3.2	5	1	7.5	36.4	7	GRV03-50	GRP0630	Ø6	5.4	9	2	14	271.8	30	GRV06-450
GRP0310						51.4	10	GRV03-75	GRP0633						298.8	33	GRV06-500
GRP0313						66.4	13	GRV03-100	GRP0636						325.8	36	GRV06-550
GRP0315						76.4	15	GRV03-125	GRP0640						361.8	40	GRV06-600
GRP0318						91.4	18	GRV03-150									
GRP0321						106.4	21	GRV03-175									
GRP0324						121.4	24	GRV03-200									
GRP0327						136.4	27	GRV03-225									
GRP0330						151.4	30	GRV03-250									
GRP0333						166.4	33	GRV03-275									
GRP0336	181.4	36	GRV03-300														

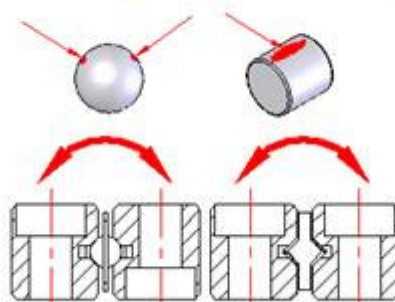
◆ Suggestions:

(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.

◆ Character comparison of roller and ball bearings



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

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