



















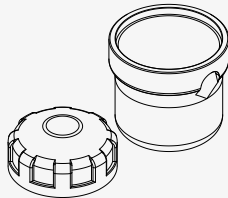


## Swing Rotor, GRS-G-750-4

- 4 loadings
- Max. RPM : 4,000
- Angle from axis during rotation :  $\angle 90^\circ$
- Supplied with a lubricant



**Bio-Safe** Manufacturer Validated



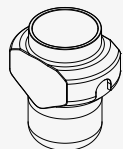
750 mL Round Bucket  
GLBB-750-750 /  
GLBB-b750-750 (with a cap)

Max. RPM / RCF : 4,000 / 3,667  
Max. Radius (mm) : 205  
Hole dimension ( $\varnothing \times L$ , mm) : 99 x 107  
Max. height for tube fit (mm) : 140 (w / cap), 165 (w / o cap)  
Hole bottom type : Flat  
Supplied with a cap and O-ring, No cap version is available

Tube									
Tube capacity (mL)	2.0 ~ 4 mL VT	4 ~ 7 mL VT	8 ~ 10 mL VT	14 mL	15	5 mL conical	5 mL conical	15 mL conical	50
Tube Dimension ( $\Phi \times L$ , mm)	13 x 75	13 x 100	16 x 100	15.7 x 96	16 x 120	16 x 59	16 x 67	17 x 120	29 x 108
Adapter									
Cat. No.	GAM-5-24(750)	GAM-5-24(750)	GAM-10-21(750)	GAM-15-19(750)	GAM-15-19(750)	GAM-c15-14(750)	GAM-c15-14(750)	GAM-c15-14(750)	GAM-50-7(750)
Rack capacity (ea / 4)	24 / 96	24 / 96	21 / 84	7 / 28	19 / 76	10 / 40	10 / 40	14 / 56	7 / 28
Rack hole dimension ( $\Phi \times L$ , mm)	13.2 x 58	13.2 x 85	16 x 85	17.2 x 59	17.2 x 85	17 x 37	17 x 37	17 x 85	29.2 x 87
Rack hole bottom type	Round	Round	Round	Round	Round	Conical	Conical	Conical	Round
Max. height tube fit (mm)	136	136	136	136	136	140	140	140	136
Max. radius (mm)*	201	201	201	201	201	205	205	205	201
Max. RCF (g-force)*	3,595	3,595	3,595	3,595	3,595	3,667	3,667	3,667	3,595

Tube							
Tube capacity (mL)	50 mL conical	50 mL conical (skirted)	250	250 mL conical	500 mL conical	500	750
Tube Dimension ( $\Phi \times L$ , mm)	29.5 x 118	29.5 x 118	61.5 x 128	60 x 163	96.2 x 147	73.5 x 142	97 x 152
Adapter							None
Cat. No.	GAM-c50-5(750)	GAM-c50-5(750)	GAS-250(750)	GAS-c250(750)	GAS-c500(750)	GAS-500(750)	-
Rack capacity (ea / 4)	5 / 20	5 / 20	1 / 4	1 / 4	1 / 4	1 / 4	1 / 4
Rack hole dimension ( $\Phi \times L$ , mm)	29.2 x 88	29.2 x 70	62.3 x 87	60.5 x 125	95.6 x 58	75.5 x 98.7	-
Rack hole bottom type	Conical	Flat	Flat	Conical	Conical	Flat	-
Max. height tube fit (mm)	140	122	136	165	165	155	165
Max. radius (mm)*	205	190.7	201	205	205	201.5	205
Max. RCF (g-force)*	3,667	3,411	3,595	3,667	3,667	3,604	3,667

\* Depending on the size of cap, there is a possibility of not fit-in.

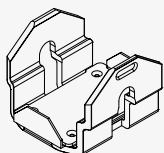


500 mL Round Bucket  
**GLB-500-750**

Max. RPM / RCF : 4,000 / 3,900  
 Max. Radius (mm) : 218  
 Hole dimension (Ø x L, mm) : 70 x 135  
 Max. height for tube fit (mm) : 172  
 Hole bottom type : Flat



Tube	
Tube capacity (mL)	500
Tube Dimension (Φ x L,mm)	69.5 x 170.2



Microplate Holder Bucket  
**GLP-mw-r750**

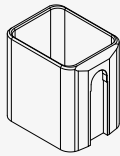
Max. RPM / RCF : 4,000 / 3,068  
 Max. Radius (mm) : 171.5  
 Hole dimension (w x d x h, mm) : 86.5 x 128.5 x 80  
 Max. height for tube fit (mm) : 80  
 Hole bottom type : Flat bottom with Stainless steel & ABS pad



Tube		
Tube capacity (mL)	MTP	DWP
Tube Dimension (Φ x L,mm)	86 x 128 x 15	86 x 128 x 60
Bucket capacity(ea / 4)	4 / 16	1 / 4































## Swing Rotor, GRS-G-r250-4

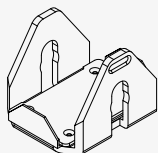
- 4 loadings
- Max. RPM : 4,000
- Angle from axis during rotation:  $\angle 90^\circ$
- Supplied with a lubricant



250 mL Rectangular Bucket  
GLB-r250-r250



Max. RPM / RCF : 4,000 / 3,134  
Max. Radius (mm) : 175.2  
Hole dimension (w x d x h, mm) : 86 x 70.3 x 98.5  
Max. height for tube fit (mm) : 130  
Hole bottom type : Flat

Tube								
Tube capacity (mL)	1.5/2.0	2.0 ~ 4 mL VT	4 ~ 7 mL VT	14 mL	8 ~ 10 mL VT	15	15 mL conical	50
Tube Dimension (Φ x L, mm)	11 x 38	13 x 75	13 x 100	15.7 x 96	16 x 100	16 x 120	17 x 120	29 x 108
Adapter								
Cat. No.	GAM-m20-20(r250)	GAM-5-12(r250)	GAM-5-12(r250)	GAM-15-12(r250)	GAM-15-12(r250)	GAM-15-12(r250)	GAM-c15-9(r250)	GAM-50-4(r250)
Rack capacity (ea / 4)	20 / 80	12 / 48	12 / 48	6 / 24	12 / 48	12 / 48	9 / 36	4 / 16
Rack hole dimension (Φ x L, mm)	11.3 x 39	13.5 x 58	13.5 x 80	17.5 x 59	17.5 x 90	17.5 x 90	17.5 x 90	30.2 x 90
Rack hole bottom type	Round	Round	Round	Round	Round	Round	Conical	Round
Max. height tube fit (mm)	115	120	120	120	120	120	120	120
Max. radius (mm)*	170	173.2	173.2	173.2	173.2	173.2	175.2	173.2
Max. RCF (g-force)*	3,041	3,095	3,095	3,095	3,095	3,095	3,134	3,095
Tube								
Tube capacity (mL)	25 mL conical	25 mL conical	50 mL conical	50 mL conical (skirted)	15	85	250 mL	
Tube Dimension (Φ x L, mm)	28.5 x 83	28.5 x 78.5	29.5 x 118	29.5 x 118	16 x 120	38 x 106	61.5 x 128	
Adapter								
Cat. No.	GAM-c50-3(r250)	GAM-c50-3(r250)	GAM-c50-3(r250)	GAM-sc50(r250)	GAM-85-2(r250)	GAM-85-2(r250)	GAS-250(r250)	
Rack capacity (ea / 4)	3 / 12	3 / 12	3 / 12	4 / 16	2 / 8	2 / 8	1 / 4	
Rack hole dimension (Φ x L, mm)	30.5 x 60	30.5 x 60	30.5 x 90	29.8 x 93.5	17 x 86.5	38.5 x 86.5	62.5 x 87	
Rack hole bottom type	Conical	Conical	Conical	Flat	Round	Round	Flat	
Max. height tube fit (mm)	120	120	120	126	120	120	130	
Max. radius (mm)*	175.2	175.2	175.2	172	172.5	172.5	173	
Max. RCF (g-force)*	3,134	3,134	3,134	3,077	3,086	3,086	3,095	



Microplate Holder Bucket  
GLP-mw-r250

Max. RPM / RCF : 4,000 / 2,737  
 Max. Radius (mm) : 153  
 Hole dimension (w x d x h,mm) : 86.5 x 128.5 x 80  
 Max. height for tube fit (mm) : 80  
 Hole bottom type : Flat bottom with Stainless steel & ABS pad

Tube		
Tube capacity (mL)	MTP	DWP
Tube Dimension (Φ x L,mm)	86 x 128 x 15	86 x 128 x 60
Bucket capacity(lea / 4)	4 / 16	1 / 4



## Swing Rotor, GRS-G-250-4

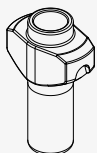
- 4 loadings
- Max. RPM : 5,000
- Angle from axis during rotation :  $\angle 90^\circ$
- Supplied with a lubricant



250 mL Round Bucket  
GLB-250-250




Max. RPM / RCF : 5,000 / 5,394  
Max. Radius (mm) : 193  
Hole dimension ( $\Phi \times L$ , mm) : 62 x 109  
Max. height for tube fit (mm) : 153  
Hole bottom type : Flat

Tube									
Tube capacity (mL)	1.5 ~ 2.0	2.0 mL screw cap	5 mL conical	5 mL conical	4 ~ 7 mL VT	8 ~ 10 mL VT	15	15 mL conical	25 mL conical
Tube Dimension ( $\Phi \times L$ , mm)	11 x 38	10.1x46	16 x 59	16 x 67	13 x 75	16 x 100	16 x 120	17 x 120	28.5 x 83
Adapter									
Cat. No.	GAM-m2.0-9(250)	GAM-m2.0-9(250)	GAM-c5-4(250)	GAM-c5-4(250)	GAM-7-8(250)	GAM-10-7(250)	GAM-15-4(250)	GAM-c15-4(250)	GAS-c25(250)
Rack capacity (ea / 4)	9 / 36	9 / 36	4/16	4/16	8 / 32	7 / 28	4 / 16	4 / 16	1 / 4
Rack hole dimension ( $\Phi \times L$ ,mm)	11 x 39	11 x 39	17.2 x 52	17.2 x 52	13.5 x 60	16 x 80	17.5 x 103.5	17.2 x 106.5	29.5 x 61.5
Rack hole bottom type	Round	Round	Conical	Conical	Round	Round	Round	Conical	Conical
Max. height tube fit (mm)	150	150	153	153	150	150	150	153	153
Max. radius (mm)*	190	190	193	193	190	190	190	193	193
Max. RCF (g-force)*	5,311	5,311	5,394	5,394	5,311	5,311	5,311	5,394	5,394
Tube									
Tube capacity (mL)	25mL conical	30	50	50 mL conical	50 mL conical (Skirted)	85	100	250 mL conical	250
Tube Dimension ( $\Phi \times L$ , mm)	28.5 x 78.5	25.7 x 101.4	29 x 108	29.5 x 118	29.5 x 118	38 x 106	44 x 115	60 x 163	61.5 x 128
Adapter									None
Cat. No.	GAS-c25(250)	GAM-30-3(250)	GAM-50-2(250)	GAS-c50(250)	GAS-sc50(250)	GAS-85(250)	GAS-100(250)	GAS-c250(250)	-
Rack capacity (ea / 4)	1 / 4	3 / 12	2 / 8	1 / 4	1 / 4	1 / 4	1 / 4	1 / 4	1 / 4
Rack hole dimension ( $\Phi \times L$ ,mm)	29.5 x 61.5	26 x 85	29.5 x 90	29.8 x 98	29.8 x 93	38.5 x 96	44.2 x 93	61.5 x 44.5	-
Rack hole bottom type	Conical	Round	Round	Conical	Flat	Round	Round	Conical	-
Max. height tube fit (mm)	153	148	148	153	148	148	148	153	153
Max. radius (mm)*	193	188	188	193	188	188	188	193	193
Max. RCF (g-force)*	5,394	5,255	5,255	5,394	5,255	5,255	5,255	5,394	5,394






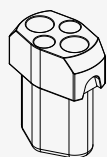
**60 mL Syringe Bucket**  
**GLB-60-250**

Max. RPM / RCF : 5,000 / 5,394  
 Max. Radius (mm) : 193  
 Hole dimension (Ø x L,mm) : 31.9 x 130.2  
 Max. height for tube fit (mm) : 162  
 Hole bottom type : Flat

Tube			
Tube capacity (mL)	10 mL syringe	20 mL syringe	60 mL syringe
Tube Dimension (Φ x L, mm)	16.5 x 108	21.5 x 112	29.6x160



  

Adapter			
Cat No.	GAS-10s(60)	GAS-20s(60)	GAS-60s(60)
Adaptor hole dimension (Φ x L, mm)	16.7 x 84	21.8 x 92	31.6 x 29.1
Adaptor hole bottom type	Conical / Flat	Conical / Flat	Conical / Open
Max. radius (mm)	167.2	169.9	193
Max. RCF (g-force)	4,673	4,749	5,394





**10 mL / 20 mL Dual Syringe Bucket**  
**GLB-d20/10-250**

Max. RPM / RCF : 5,000 / 4,752 / 4,472  
 Max. Radius (mm) : 170 (20 mL) / 160 (10 mL)  
 Hole dimension (Ø x L, mm) : 22.5 x 100 (20 mL) / 16 x 90 (10 mL)  
 Max. height for tube fit (mm) : 132 (20 mL) / 125 (10 mL)  
 Hole bottom type : Flat

Tube		
Tube capacity (mL)	10 mL syringe	20 mL syringe
Tube Dimension (Φ x L,mm)	16.5 x 108	21.5 x 112

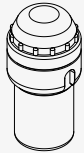
Adapter		
Cat No.	GAS-10s(10)	GAS-20s(20)
Adaptor hole dimension (Φ x L, mm)	16.5 x 13.6	22 x 16.6
Adaptor hole bottom type	Conical / Open	Conical / Open
Max. radius (mm)	160	170
Max. RCF (g-force)	4,472	4,752

# Swing Rotor, GRS-G-100-6

- 6 loadings
- Max. RPM : 4,000
- Angle from axis during rotation:  $\angle 90^\circ$
- Supplied with a lubricant


**Bio-Safe**

Porton Down Certified



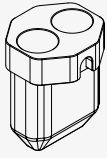
100 mL Bucket with a Cap  
GLBB-b100-100

Max. RPM / RCF : 4,000 / 3,105  
 Max. Radius (mm) : 173.6  
 Hole dimension ( $\varnothing$  x L, mm) : 47 x 99  
 Max. height for tube fit (mm) : 120 (w/ cap) / 130 (w/o cap)  
 Hole bottom type : Flat  
 Supplied with a cap and O-ring, No cap version is available

Tube									
Tube capacity (mL)	1.5 ~ 2.0	2.0 mL screw cap	5 mL conical	5 mL conical	2.6 ~ 7	4 ~ 10	15	15 mL conical	15 mL conical
Tube Dimension ( $\Phi$ x L, mm)	11 x 38	10.1x46	16 x 59	16 x 67	13 x 75	16 x 100	16 x 120	17 x 120	17 x 120
Adapter									
Cat. No.	GAM-m2.0-6 (b100)	GAM-m2.0-6 (b100)	GAM-c5-3 (b100)	GAM-c5-3 (b100)	GAM-7-5 (b100)	GAM-10-5 (b100)	GAM-c15-9 (b100)	GAM-c15-3 (b100)	GAS-c15 (b100)
Rack capacity (ea / 6)	6 / 36	6 / 36	3 / 18	3 / 18	5 / 30	5 / 30	3 / 18	3 / 18	1 / 6
Rack hole dimension ( $\Phi$ x L, mm)	11 x 39	11 x 39	17.2 x 52	17.2 x 52	13.5 x 60	16 x 60	17.5 x 105	17.2 x 106.5	17.2 x 106.5
Rack hole bottom type	Round	Round	Conical	Conical	Flat	Flat	Flat	Conical	Conical
Max. height tube fit (mm)	115	115	75	75	115	115	120	120	120
Max. radius (mm)*	168.6	168.6	110.1	110.1	168.6	168.6	170.6	173.6	173.6
Max. RCF (g-force)*	3,016	3,016	1,969	1,969	3,016	3,016	3,052	3,105	3,105
Tube									
Tube capacity (mL)	25 mL conical	25 mL conical	30	50	50 mL conical	50 mL conical (Skirted)	85	100	
Tube Dimension ( $\Phi$ x L, mm)	28.8 x 83	28.8 x 78.5	25.7 x 101.4	29 x 108	29.5 x 118	29.5 x 118	38 x 106	44 x 115	
Adapter									
Cat. No.	GAS-c25 (b100)	GAS-c25 (b100)	GAS-30 (b100)	GAS-50 (b100)	GAS-c50 (b100)	GAS-sc50 (b100)	GAS-85 (b100)	GAS-100 (b100)	
Rack capacity (ea / 6)	1 / 6	1 / 6	1 / 6	1 / 6	1 / 6	1 / 6	1 / 6	1 / 6	
Rack hole dimension ( $\Phi$ x L, mm)	17.2x52	17.2x52	26x86	29.5 x 95.9	30 x 100	29.8x100	38.5 x 96.4	44.2 x 93	
Rack hole bottom type	Conical	Conical	Round	Conical	Conical	Flat	Round	Round	
Max. height tube fit (mm)	118	118	118	118	120	120	118	118	
Max. radius (mm)*	172.1	172.1	172.1	171.6	171.6	171.6	172.1	168.6	
Max. RCF (g-force)*	3,079	3,079	3,079	2,737	2,737	2,737	3,079	3,016	



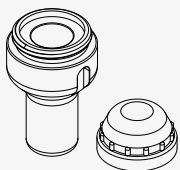
## Table-top High-speed Centrifuge



**50 mL Conical Bucket**  
**GLB-dc50-100**

Max. RPM / RCF : 4,000 / 3,105  
 Max. Radius (mm) : 173.6  
 Hole dimension (Ø x L, mm) : 30 x 89  
 Max. height for tube fit (mm) : 125  
 Hole bottom type : Conical

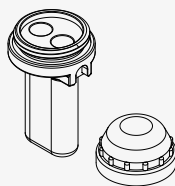
Tube						
Tube capacity (mL)	15 mL conical	25 mL conical	25 mL conical	30	50	50 mL conical
Tube Dimension (Φ x L, mm)	17 x 120	28.8 x 83	28.8 x 78.5	25.7 x 101.4	29 x 108	29.5 x 118
Adapter						None
Cat No.	GAS-c15(50)	GAS-c25(c50)	GAS-c25(c50)	GAS-30(c50)	GAS-50(c50)	-
Bucket capacity(ea / 6)	2/12	2/12	2/12	2/12	2/12	2/12
Adaptor hole dimension (Φ x L,mm)	17 x 105	27.1 x 14.1	27.1 x 14.1	26 x 83.8	27.9 x 11	-
Adaptor hole bottom type	Conical	Conical	Conical	Round	Round	-
Max. radius (mm)	171	137	137	162.4	162.6	173.6
Max. RCF (g-force)	3,059	2,451	2,451	2,905	2,909	3,105



**50 mL Bucket with a Cap**  
**GLB-b50-100**




Max. RPM / RCF with : 4,000 / 3,032  
 Max. Radius (mm) : 169.5  
 Hole dimension (Ø x L, mm) : 30.5 x 97  
 Max. height for tube fit (mm) : 120 (w/ cap) / 125 (w/o cap)  
 Hole bottom type : Flat bottom with rubber pad  
 Supplied with a cap and O-ring, No cap version is available

Tube									
Tube capacity (mL)	14 mL	15	15 mL conical	25 mL conical	25 mL conical	30	50 mL conical	50 mL conical (Skirt)	50
Tube Dimension (Φ x L, mm)	15.7 x 96	16 x 120	17 x 120	28.8 x 83	28.8 x 78.5	25.7 x 101.4	29.5 x 118	29.5 x 118	29 x 108
Adapter								None	None
Cat No.	GAS-u14(f50)	GAS-u15(f50)	GAS-u15(f50)	GAS-c25(f50)	GAS-c25(f50)	GAS-30(f50)	GAS-c50(f50)	-	-
Adaptor hole dimension (Φ x L,mm)	17.2 x 75	17.2 x 87	17.2 x 87	27.1 x 14.1	27.1 x 14.1	26 x 86.5	29.5 x 17.5	-	-
Adaptor hole bottom type	Open	Open	Open	Conical	Conical	Round	Conical	-	-
Max. radius (mm)*	169.5	169.5	169.5	135.7	135.7	160.7	169.5	169.5	169.5
Max. RCF (g-force)*	3,032	3,032	3,032	2,427	2,427	2,875	3,032	3,032	3,032



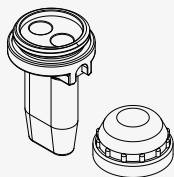
15 mL Dual Round Bucket  
with a Cap  
**GLB-bd15-100**

Max. RPM / RCF : 4,000 / 3,032  
Max. Radius (mm) : 169.5  
Hole dimension (Ø x L, mm) : 17 x 87  
Max. height for tube fit (mm) : 123 (w/ cap) / 127 (w/o cap)  
Hole bottom type : Round  
Supplied with a cap and O-ring

Tube			
Tube capacity (mL)	15 mL glass	15 mL open top	15
Tube Dimension (Φ x L,mm)	16 x 100	16 x 114	16 x 120
Bucket capacity (ea / 6)	2 / 12	2 / 12	2 / 12
Max. height tube fit (mm)	123	123	123
Max. radius (mm)	169.5	169.5	169.5
Max. RCF (g-force)	3,032	3,032	3,032








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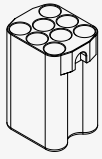
**Bio-Safe** Porton Down Certified



15 mL Dual Conical Bucket  
with a Cap  
**GLBB-bdc15-100**















Max. RPM / RCF : 4,000 / 3,105  
Max. Radius (mm) : 173.6  
Hole dimension (Ø x L, mm) : 17 x 97.5  
Max. height for tube fit (mm) : 120 (w/ cap) / 125 (w/o cap)  
Hole bottom type : Conical  
Supplied with a cap and O-ring, No cap version is available

Tube				
Tube capacity (mL)	5 mL conical	5 mL conical	14 mL	15 mL conical
Tube Dimension (Φ x L, mm)	16 x 59	16 x 67	15.7 x 96	17 x 120
Adapter				None
Cat No.	GAS-c5(c15)	GAS-c5(c15)	GAS-14(c15)	-
Bucket capacity (ea / 6)	2 / 12	2 / 12	2 / 12	2 / 12
Adaptor hole dimension (Φ x L,mm)	14.8 x 20	14.8 x 20	16 x 7.8	-
Adaptor hole bottom type	Conical	Conical	Round	-
Max. radius (mm)	120.5	120.5	156.5	173.6
Max. RCF (g-force)	2,156	2,156	2,799	3,105



Vacutainer 10 mL Bucket  
**GLB-15-8-100**

Max. RPM / RCF : 4,000 / 3,059  
 Max. Radius (mm) : 171  
 Hole dimension (Ø x L, mm) : 17 x 86  
 Hole bottom type : Flat with rubber pad  
 Max. height for tube fit (mm) : 115  
 Supplied with 3.0 mm thick NBR rubber pad

Tube									
Tube capacity (mL)	2.0 ~ 4 mL VT	4 ~ 7 mL VT	5 mL conical	5 mL conical	14 mL	8 ~ 10 mL VT	15 mL glass	15 mL open top	15
Tube Dimension (Φ x L, mm)	13 x 75	13 x 100	16 x 59	16 x 67	15.7 x 96	16 x 100	16 x 100	16 x 114	16 x 120
Adapter						None	None	None	None
Cat No.	GAS-3(f15)	GAS-5(f15)	GAS-c5(f15)	GAS-c5(f15)	GAS-14(f15)	-	-	-	-
Bucket capacity (ea / 6)	8 / 48	8 / 48	4 / 24	4 / 24	4 / 24	8 / 48	8 / 48	8 / 48	2 / 12
Adaptor hole dimension (Φ x L, mm)	13.5 x 61	13.5 x 85	14 x 20	14 x 20	16.5 x 7	-	-	-	-
Adaptor hole bottom type	Round	Open	Conical	Conical	Round	-	-	-	-
Max. height tube fit (mm)	88	115	75	75	103.5	115	115	115	125(center)
Max. radius (mm)*	144	171	130	130	159.5	171	171	171	171
Max. RCF (g-force)*	2,576	3,059	2,325	2,325	2,853	3,059	3,059	3,059	3,059



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