

LOW-SPEED CENTRIFUGES

406	Rotor Cat. No.	GRA-15-6A	GRA-15-12
	Bucket Cat. No.	GLS-15	GLS-15
	Max. Capacity	6 x 15 mL 12 x vacuum tube	6 x 15 mL 12 x vacuum tube
	Product		
	Max. RPM/RCF	4,000 / 2,075	4,000 / 2,057
	Hole Diameter (mm)	18	18
		125	125

- Bio-Safe Manufacturer Validated
- Bio-Safe Porton Down Certified
- Adaptors available for smaller tubes

416	Rotor Cat. No.	GRA-S-15-16	GRA-S-50-10	GRA-S-c50-10	GRS-S-mw-2	GRS-S-15-6	GRS-S-50-4	
	Bucket Cat. No.	GLS-15	GLS-50	GLS-c50	GLP-mw	GLB-d15-15	GLB-50-50	GLB-c50-50
	Max. Capacity	16 x 15 mL	10 x 50 mL	10 x 50 mL conical	2 x 2 MTPs	6 x 2 x vacuum tube	4 x 50 mL	4 x 50 mL conical
	Product							
	Max. RPM/RCF	4,000 / 2,700	4,000 / 2,549	4,000 / 2,508	4,000 / 2,000	4,000 / 2,737	4,000 / 2,700	4,000 / 2,700
	Hole Diameter (mm)	18	32	32	86.5 x 128.5	17	30.5	29.5
	Max. Height for Tube fit (mm)	125	130	130	35	122	125	125
	Rotor Cat. No.	GRS-S-50-4			GRS-S-100-4			
	Bucket Cat. No.	GLB-d15-50	GLB-dc15-50	GLBB-b100-100	GLB-dc50-100	GLB-15-8-100	GLBB-bd15-100	GLBB-bdc15-100
	Max. Capacity	4 x 2 x 15 mL	4 x 2 x 15 mL conical	4 x 100 mL	4 x 2 x 50 mL conical	4 x 8 x vacuum tube	4 x 2 x 15 mL	4 x 2 x 15 mL conical
	Product							
	Max. RPM/RCF	4,000 / 2,700	4,000 / 2,700	4,000 / 2,774	4,000 / 2,774	4,000 / 2,719	4,000 / 2,700	4,000 / 2,774
	Hole Diameter (mm)	17	17	47	30	17	17	17
	Max. Height for Tube fit (mm)	125	120	120 (w/ cap) 130 (w/o cap)	125	115	123 (w/ cap) 127 (w/o cap)	120 (w/ cap) 125 (w/o cap)

624R	Rotor Cat. No.	GRF-SR-c50-6	GRA-SR-15-24	GRA-SR-50-10	GRA-SR-c50-10	GRS-S-mw-2	GRS-SR-15-6	GRS-SR-50-4	
	Bucket Cat. No.	-	GLS-15	GLS-50	GLS-c50	GLP-mw	GLB-d15-15	GLB-50-50	GLB-c50-50
	Max. Capacity	6 x 50 mL conical	24 x 15 mL	10 x 50 mL	10 x 50 mL conical	2 x 2 MTPs	6 x 2 x vacuum tube	4 x 50 mL	4 x 50 mL conical
	Product								
	Max. RPM/RCF	6,000 / 3,960	4,000 / inner 2,469 outer 2,773	4,000 / 2,549	4,000 / 2,508	4,000 / 2,000	4,400 / 3,312	4,800 / 3,888	4,800 / 3,888
	Hole Diameter (mm)	30	18	32	32	86.5 x 128.5	17	30.5	29.5
	Max. Height for Tube fit (mm)	125	125	130	130	35	122	125	125
	Rotor Cat. No.	GRS-SR-50-4			GRS-SR-100-4				
	Bucket Cat. No.	GLB-d15-50	GLB-dc15-50	GLBB-b100-100	GLB-dc50-100	GLB-15-8-100	GLBB-bd15-100	GLBB-bdc15-100	
	Max. Capacity	4 x 2 x 15 mL	4 x 2 x 15 mL conical	4 x 100 mL	4 x 2 x 50 mL conical	4 x 8 x vacuum tube	4 x 2 x 15 mL	4 x 2 x 15 mL conical	
	Product								
	Max. RPM/RCF	4,800 / 3,888	4,800 / 3,888	4,200 / 3,059	4,200 / 3,059	4,200 / 2,998	4,200 / 2,976	4,200 / 3,059	
	Hole Diameter (mm)	17	17	47	30	17	17	17	
	Max. Height for Tube fit (mm)	125	120	120 (w/ cap) 130 (w/o cap)	125	115	123 (w/ cap) 127 (w/o cap)	120 (w/ cap) 125 (w/o cap)	

MICRO CENTRIFUGES

mini	Rotor Cat. No.	GRA-s0.2-32	GRF-m1.8-10	GRF-m2.0-12b	GRF-m2.0-12
	Max. Capacity	32 x 0.2 mL	10 x 1.8 mL cryotube	12 x 2.0 mL	12 x 2.0 mL
	Product				
	Max. RPM/RCF	6,000 / Inner 1,554 Outer 1,850	13,500 / 12,300	13,500 / 12,300	13,500 / 12,300
	Hole Diameter (mm)	6.5	12.8	11.1	11.1
	Max. Height for Tube fit (mm)	10	50	50	50

- Bio-Safe Manufacturer Validated
- Bio-Safe Porton Down Certified
- Adaptors available for smaller tubes

1536	Rotor Cat. No.	GREB-s0.2-32	GREB-m2.0-24	GREB-m2.0-36	GRE-m5.0-10
	Max. Capacity	32 x 0.2 mL	24 x 2.0 mL	36 x 2.0 mL	10 x 5.0 mL
	Product				
	Max. RPM/RCF	15,000 / 14,187	15,000 / 21,206	15,000 / inner 17,835 outer 21,206	15,000 / 21,583
	Hole Diameter (mm)	6.7	11.1	11.1	17
	Max. Height for Tube fit (mm)	25	52	52	68

1730R	Rotor Cat. No.	GRE-M-s0.2-64	GRE-M-m2.0-18	GREB-M-m2.0-24	GREB-M-m2.0-30	GREB-M-m2.0-36	GRE-M-m5.0-12	GRD-M-m2.0-16
	Max. Capacity	64 x 0.2 mL	18 x 2.0 mL	24 x 2.0 mL	30 x 2.0 mL	36 x 2.0 mL	12 x 5.0 mL	16 x 2.0 mL
	Product							
	Max. RPM/RCF	12,500 / inner 10,237 outer 11,722	15,000 / 18,891	17,000 / 27,237	15,000 / 24,249	15,000 / inner 17,835 outer 21,206	15,000 / 22,967	13,000 / 15,682
	Hole Diameter (mm)	6.5	11.1	11.1	11.1	11.1	17	11.1
	Max. Height for Tube fit (mm)	25	65	52	52	52	68	50

1848R	Rotor Cat. No.	GRE-M-s0.2-64	GREB-M-m2.0-24	GRE-M-m2.0-48	GRE-M-m5.0-20	GRF-M-c15-12	GRF-M-c50-8	GRD-M-m2.0-24	GRD-M-mw-2
	Max. Capacity	64 x 0.2 mL	24 x 2.0 mL	48 x 2.0 mL	20 x 5.0 mL	12 x 15 mL	8 x 50 mL conical	24 x 2.0 mL	2 x 2 MTPs
	Product								
	Max. RPM/RCF	12,500 / inner 10,237 outer 11,722	18,000 / 30,536	13,000 / inner 15,928 outer 18,479	13,000 / 20,595	8,500 / 8,611	8,000 / 8,893	13,000 / 16,438	5,750 / 3,050
	Hole Diameter (mm)	6.5	11.1	11.1	17	17.2	29.8	11.1	86.5 x 128.5
	Max. Height for Tube fit (mm)	25	52	52	68	125	123	50	36

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ROTOR SELECTION GUIDE

CENTRIFUGE



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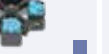
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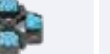
MULTI-PURPOSE / HIGH SPEED, HIGH CAPACITY CENTRIFUGES

1248 / 1248R
1236R



Rotor Cat. No.	GRF-G-m2.0-30	GRF-G-c15-12	GRF-G-50-8	GRF-G-c50-8	GRF-G-85-6	GRA-G-15-24	GRS-G-100-6					GRS-G-250-4	GRS-G-r250-4	
Bucket Cat. No.	-	-	-	-	-	GLS-15	GLBB-b100-100	GLB-dc50-100	GLB-15-8-100	GLBB-bd15-100	GLBB-bdc15-100	GLB-250-250	GLB-r250-250	GLP-mw-r250
Max. Capacity	30 x 2.0 mL	12 x 15 mL conical	8 x 50 mL	8 x 50 mL conical	6 x 85 mL	24 x 15 mL	6 x 100 mL	6 x 2 x 50 mL conical	6 x 8 x vacuum tube	6 x 2 x 15 mL	6 x 2 x 15 mL conical	4 x 250 mL	4 x 250 mL	4 x 4 MTPs
Product														
Max. RPM/RCF	12,000 / 15,520	12,000 / 16,582	12,000 / 16,582	10,000 / 12,298	10,000 / 12,298	4,000 / 3,134	4,000 / 3,105	4,000 / 3,105	4,000 / 3,059	4,000 / 3,032	4,000 / 3,105	5,000 / 5,394	4,000 / 3,134	4,000 / 2,737
Hole Diameter (mm)	11.1	17.2	29.5	29.8	38.5	18	47	30	17	17	17	62	86 x 70.3	86.5 x 128.5
Max. Height for Tube fit (mm)	52	125	120	130	122	125	120 (w/ cap) 130 (w/o cap)	125	115	120 (w/ cap) 127 (w/o cap)	120 (w/ cap) 125 (w/o cap)	153	130	80

1580 / 1580R 	Rotor Cat. No.	GRF-G-m2.0-30	GRF-G-c15-12	GRF-G-50-8	GRF-G-c50-8	GRF-G-85-6	GRF-G-250-6	GRA-G-15-24	GRS-G-100-6					GRS-G-250-4	GRS-G-r250-4			GRS-G-r750-4		GRS-G-750-4	
	Bucket Cat. No.	-	-	-	-	-	-	GLS-15	GLBB-b100-100	GLB-dc50-100	GLB-15-8-100	GLBB-bd15-100	GLBB-bdc15-100	GLB-250-250	GLB-r250-250	GLP-mw-r250	GLB-r750-r750	GLP-mw-r750	GLBB-b750-750	GLP-mw-750	
	Max. Capacity	30 x 2.0 mL	12 x 15 mL conical	8 x 50 mL	8 x 50 mL conical	6 x 85 mL	6 x (250 & 15 mL)	24 x 15 mL	6 x 100 mL	6 x 2 x 50 mL conical	6 x 8 x vacuum tube	6 x 2 x 15 mL	6 x 2 x 15 mL conical	4 x 250 mL	4 x 250 mL	4 x 4 MTPs	4 x 750 mL	4 x 4 MTPs	4 x 750 mL	4 x 4 MTPs	
	Product						Only for R model 														
	Max. RPM/RCF	15,000 / 24,249	15,000 / 25,910 12,000 / 16,582	15,000 / 25,910 12,000 / 16,582	13,000 / 20,784 10,000 / 12,298	12,000 / 17,709 10,000 / 12,298	8,000 / 9,588 (250) 9,395 (15)		4,000 / 3,134	4,000 / 3,105	4,000 / 3,105	4,000 / 3,059	4,000/3,032	4,000 / 3,105	5,000 / 5,394	4,000 / 3,134	4,000 / 2,737	3,600 / 2,898	3,600 / 2,485	4,000 / 3,667	4,000 / 3,068
	Hole Diameter (mm)	11.1	17.2	29.5	29.8	38.5	62 (250)/17.1 (15)		18	47	30	17	17	17	62	86 x 70.3	86.5 x 128.5	99 x 99	86.5 x 128.5	99	86.5 x 128.5
	Max. Height for Tube fit (mm)	52	125	120	130	122	130 (250)/120 (15)		125	120 (w/ cap) 130 (w/o cap)	125	115	115 (w/ cap) 127 (w/o cap)	120 (w/ cap) 125 (w/o cap)	153	130	80	165	80	140 (w/ cap) 165 (w/o cap)	80

1696R 	Rotor Cat. No.	GRF-B-m2.0-30	GRF-B-m2.0-48	GRF-B-m5.0-20	GRF-B-c15-12	GRF-B-50-8	GRF-B-c50-8	GRF-B-85-6	GRF-B-250-6	GRS-B-100-6					GRS-B-250-4	GRS-B-r250-4		GRS-B-r750-4		GRS-B-750-4		GRS-B-1000-4		
	Bucket Cat. No.	-	-	-	-	-	-	-	-	GLBB-b100-100	GLB-dc50-100	GLB-15-8-100	GLBB-bd15-100	GLBB-bdc15-100	GLB-250-250	GLB-r250-250	GLP-mw-r250	GLB-r750-r750	GLP-mw-r750	GLB-b750-750B	GLB-mw-750B	GLB-h1000-1000	GLB-b1000-1000	GLB-br1000-1000
	Max. Capacity	30 x 2.0 mL	48 x 2.0 mL	20 x 5.0 mL	12 x 15 mL	8 x 50 mL	8 x 50 mL conical	6 x 85 mL	6 x (250 & 15 mL)	6 x 100 mL	6 x 2 x 50 mL conical	6 x 8 x vacuum tube	6 x 2 x 15 mL	6 x 2 x 15 mL conical	4 x 250 mL	4 x 250 mL	4 x 4 MTPs	4 x 750 mL	4 x 4 MTPs	4 x 750 mL	4 x 4 MTPs	4 x 1,000 mL	4 x 1,000 mL	4 x 1,000 mL
	Product																							
	Max. RPM/RCF	16,000 / 27,590	15,000 / inner 21,206 outer 24,602	13,500 / 22,209	15,000 / 25,910	15,000 / 25,910	13,000 / 20,784	12,000 / 16,019	8,000/ 9,588 (250) 9,395 (15)	4,200 / 3,424	4,200 / 3,424	4,200 / 3,372	4,200 / 3,343	4,200 / 3,424	5,000 / 5,394	4,000 / 3,134	4,000 / 2,737	3,600 / 2,898	3,600 / 2,485	4,600 / 4,850	4,600 / 4,033	3,700 / 3,092	3,700 / 3,337	3,700 / 3,084
	Hole Diameter (mm)	11.1	11.1	17	17.2	29.5	29.8	38.5	62 (250) / 17.1 (15)	47	30	17	17	17	62	86 x 70.3	86.5 x 128.5	99 x 99	86.5 x 128.5	99	86.5 x 128.5	110 x 168.7	99	97 x 134
	Max. Height for Tube fit (mm)	52	52	68	125	120	130	125	130 (250) 120 (15)	120 (w/ cap) 130 (w/o cap)	125	115	115 (w/ cap) 127 (w/o cap)	120 (w/ cap) 125 (w/o cap)	153	130	80	165	80	140 (w/ cap) 165 (w/o cap)	63 (w/ cap) 110 (w/o cap)	160	155 (w/ cap) 170 (w/o cap)	125 (w/ cap)/143 (w/o cap)

1736R 	Rotor Cat. No.	GRF-L-m2.0-30	GRF-L-c15-12	GRF-L-50-6	GRF-L-c50-8	GRF-L-50-8	GRF-L-85-6	GRF-L-250-6	GRF-L-500-6	GRS-L-250-4	GRS-L-r250-4	
	Bucket Cat. No.	-	-	-	-	-	-	-	-	GLB-250-250	GLB-r250-250	GLB-mw-r250
	Max. Capacity	30 x 2.0 mL	12 x 15 mL conical	6 x 50 mL	8 x 50 mL conical	8 x 50 mL	6 x 85 mL	6 x (250 & 15 mL)	6 x 500 mL	4 x 250 mL	4 x 250 mL	4 x 4 MTPs
	Product											
	Max. RPM/RCF	17,000 / 31,147	15,000 / 25,910	17,000 / 32,310	15,000 / 27,671	15,000 / 25,910	15,000 / 25,029	10,000 / 14,981 (250) 14,679 (15)	8,000 / 11,305	5,000 / 5,394	4,000 / 3,134	4,000 / 2,737
	Hole Diameter (mm)	11.1	17.2	29.5	29.8	29.5	38.5	62 (250) / 17.1 (15)	70	62	86 x 70.3	86.5 x 128.5
	Max. Height for Tube Fit (mm)	52	125	113	130	120	125	130 (250) / 120 (15)	170	153	130	80

2236R 	Rotor Cat. No.	GRF-L-m2.0-30	GRF-L-c15-12	GRF-L-50-6	GRF-L-c50-8	GRF-L-50-8	GRF-L-85-6	GRF-L-250-6	GRF-L-500-6	GRF-L-1000-4	GRF-L-1000-6	GRS-L-250-4	GRS-L-r250-4	
	Bucket Cat. No.	-	-	-	-	-	-	-	-	-	-	GLB-250-250	GLB-r250-250	GLB-mw-r250
	Max. Capacity	30 x 2.0 mL	12 x 15 mL conical	6 x 50 mL	8 x 50 mL conical	8 x 50 mL	6 x 85 mL	6 x (250 & 15 mL)	6 x 500 mL	4 x 1,000 mL	6 x 1,000 mL	4 x 250 mL	4 x 250 mL	4 x 4 MTPs
	Product													
	Max. RPM/RCF	22,000 / 52,163	20,000 / 46,062	22,000 / 54,111	17,000 / 35,541	20,000 / 46,062	20,000 / 44,496	13,000 / 25,318 (250) 24,808 (15)	10,000 / 17,664	8,000 / 12,071	7,000 / 10,825	5,000 / 5,394	4,000 / 3,134	4,000 / 2,737
	Hole Diameter (mm)	11.1	17.2	29.5	29.8	29.5	38.5	62 (250) / 17.1 (15)	70	98	98	62	86 x 70.3	86.5 x 128.5
	Max. Height for Tube Fit (mm)	52	125	113	130	120	125	130 (250) / 120 (15)	170	175	175	153	130	80

- Bio-Safe Manufacturer Validated
- Bio-Safe Porton Down Certified
- Adaptors available for smaller tubes

- The fixed angle rotors (Cat No. GRF-) are supplied with rotor lid
- Open style angle rotors are supplied with tube sleeves
- Swing-out rotor does not include buckets and adaptors, must be ordered separately
- Colors of the rotors, buckets and adaptors are subject to change without notice