

FLOORSTANDING CENTRIFUGES

— ROTIXA 500 RS

SMALL FOOTPRINT - HIGH VOLUMES

Its durable components make the ROTIXA 500 RS a reliable unit with a long service life. High sample capacity and maximum RCF of 5,252 make it suitable for 4 x 450-750 ml blood bags. Specially designed buckets keep blood bags upright during centrifugation for improved separation of blood components. In industrial research labs, it accommodates 4 bottles up to 1,000 ml, specialty racks, as well as containers and vessels for various applications.

This unit includes refrigeration with a temperature range from -20°C to +40°C.



— HIGHLIGHTS

- RPM: 50 - 11,500 min⁻¹
Adjustable in increments of 10
- RCF: 50 - 18,038
Adjustable in increments of 1
- max. capacity: 4 x 1,000 ml
- Choice of 5 rotors
- Medical Device according to directive 93/42/EC
- easy operation with keypad and control knob
- 89 program memories for more individuality
- 19 individual acceleration and deceleration stages

— FEATURES

- metal housing and lid
- viewing port in the lid
- powered one hand lid lock
- lid dropping protection
- emergency lid lock release
- stainless steel chamber
- automatic rotor recognition
- brushless drive
- error display
- display in °C and °F possible
- imbalance monitoring and switch-off

TECHNICAL DATA

ROTIXA 500 RS ^{>)} refrigerated

voltage *)	230 – 240 V 1 ~	220 V 1 ~
frequency	50 Hz	60 Hz
consumption	3,800 VA	
emission, immunity	EN/IEC 61326-1, class B	
max. capacity	4 x 1,000 ml	
max. RPM	11,500 min ⁻¹	
max. RCF	18,038	
running time	1 – 999 min: 59 s, ∞ continuous run	
dimensions (WxDxH)	650x814x973 mm	
weight	approx. 219 kg	
noise level	58 dB (A) with rotor 4282	
temperature control, infinitely variable	from -20 to +40 °C	
Cat. No.	4950	

*) Other voltages on request.

>) Other models on request.

AVAILABLE ROTORS

SWING-OUT ROTORS

		angle	max. RPM	max. capacity	Cat. No.	page
	swing-out rotor, 4-place	90°	4,500 min ⁻¹	4 x 1,000 ml	4294	3
	swing-out rotor, 6-place	90°	4,000 min ⁻¹	6 x 250 ml	4296	9
	swing-out rotor, 2-place	90°	3,600 min ⁻¹	20 plates	4282	11

ANGLE ROTORS

	angle rotor, 6-place	25°	9,500 min ⁻¹	6 x 250 ml	4266	12
	angle rotor, 6-place	45°	11,500 min ⁻¹	6 x 94 ml	4246	13

SWING-OUT ROTOR, 4-PLACE | 4294

Rotor

max. RPM max. RCF ²⁾	4,500 min ⁻¹ 4,958
max. capacity	4 x 750 ml
run-up run-down, braked in sec	115 116
angle temperature in °C ¹⁾	90° +6
Cat. No.	4294

Bucket

lid	4229-B
Cat. No.	4295-A



Tubes

capacity in ml	0.8	1.5	2.0	4	5	6	7	9	12	15	25	50	94	100
Ø x L in mm	8x45	11x38	11x38	10x88	12x75	12x82	12x100	14x100	16x101	17x100	24x100	34x100	38x102	40x115
max. RCF ²⁾	4,777	3,690	4,867	4,777	4,777	4,777	4,777	4,777	4,777	4,777	4,777	4,777	4,777	4,777
radius in mm	211	163	215	211	211	211	211	211	211	211	211	211	211	211
Cat. No.	microliter tubes						tubes²⁾							

Adapter

boring Ø x L in mm	8.2x32	11.2x40	11.2x40	11x70	12.5x32	12.5x70	12.5x70	16x70	16x70	17.5x74	26x70	35x70	41.5x70	41.5x70
tubes per rotor	312	336	336	252	192	192	192	100	100	120	44	24	16	16
Cat. No.	4226	4225	4225	4224	4213-93	4213	4213	4223	4223	4214	4215	4216	4218	4218

Tubes

capacity in ml	2.6–3.4	2.7–3	4–5.5	4.5–5	7.5–8.2	9–10	10	1.6–5	4–7	4–7	8	8.5–10	15	50
Ø x L in mm	13 x 65	11x66	15x75	11x92	15x92	16x92	15x102	13 x 75	13 x 100	16x75	16x125	16x100	17x120	29x115
max. RCF ²⁾	4,777	4,777	4,777	4,777	4,777	4,777	4,777	4,777	4,777	4,777	4,777	4,777	4,958	4,958
radius in mm	211	211	211	211	211	211	211	211	211	211	211	211	219	219
Cat. No.	blood collection / urine tubes												tubes with screw cap	

Adapter

boring Ø x L in mm	13.2x32	12.5x32	17.5x32	12.5x70	17.5x74	17.5x70	17.5x74	13.2x32	13.2x70	17.5x32	16x70	17.5x74	17x70	30x70
tubes per rotor	120	192	120	192	120	64	120	120	120	120	100	120	92	32
Cat. No.	4222-93	4213-93	4214-93	4213	4214	4220	4214	4222-93	4222	4214-93	4223	4214	4232	4245-A

Tubes

capacity in ml	12	30	50	100	100	250	650	750	750	250	500
Ø x L in mm	17x100	25x110	29x115	40x115	40x115	62 x 122	97 x 139	97 x 152	96 x 135	60 x 162	96 x 147
max. RCF ²⁾	4,777	4,777	4,867	4,777	4,777	4,777	4,958	4,958	4,958	4,777	4,958
radius in mm	211	211	215	211	211	211	219	219	219	211	219
Cat. No.	tubes with screw cap					5127²⁴⁾	0554²⁴⁾	0512²⁴⁾	4234-A	Corning®	Corning® +4449

Adapter

boring Ø x L in mm	17.5x70	26 x 70	30 x 96	41.5 x 70	41.5 x 70	62 x 90	97.5x105	97.5x105	97.5x105	62 x 125	97.5x105
tubes per rotor	64	44	24	16	16	4	4	4	4	4	4
Cat. No.	4220	4215	4249	4218	4218	4238	4258	4258	4258	6322	4258

1) For cooled versions: Lowest temperature achievable with precooling and max. speed.

2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote 2) is 4,000.

3.12) When using these tubes, bucket 4290 cannot be closed with lid 4291.

3.13) When using these tubes, bucket 4295-A cannot be closed with lid 4229-B.

24) At temperatures of over +40 °C and / or when not filled to capacity, bottles may warp during centrifugation.

SWING-OUT ROTOR, 4-PLACE | 4294

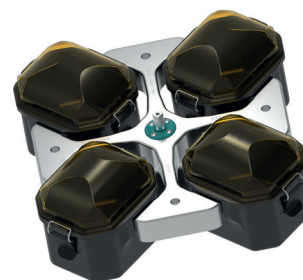
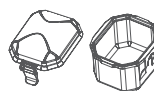
Rotor

max. RPM max. RCF ²⁾	4.500 min ⁻¹ 4.618
max. capacity	40 x 50 ml
run-up run-down, braked in sec	115 116
angle	90°
temperature in °C ¹⁾	+2
Cat. No.	4294



Bucket

lid bioseal ³⁾	4291
Cat. No.	4290



Tubes

															
capacity in ml	5	6	7	9	14	2.6–3.4	4.9	4–5.5	7.5–8.2	9–10	10	1.6–5	4–7	4–7	8.5–10
Ø x L in mm	12x75	12x82	12x100	14x100	16x101	13 x 65	13x90	15x75	15x92	16x92	15x102	13 x 75	13 x 100	16x75	16x100
max. RCF ²⁾	4,551	4,551	4,551	4,551	4,551	4,551	4,551	4,551	4,551	4,573	4,573	4,551	4,551	4,551	4,551
radius in mm	201	201	201	201	201	201	201	201	201	202	202	201	201	201	201
Cat. No.	tubes ²⁾					blood collection / urine tubes									

Adapter

boring Ø x L in mm	13.2x57	13.2x57	13.2x57	17.5 x 62	17.5 x 62	13.2x57	13.2x57	17.5 x 62	17.5 x 62	17.5 x 63	17.5 x 63	13.2 x 57	13.2 x 57	17.5 x 62	17.5 x 62
tubes per rotor	200	200	200	168	168	200	200	168	168	132	132	200	200	168	168
Cat. No.	4273	4273	4273	4338	4338	4273	4273	4338	4338	4311	4311	4273	4273	4338	4338

Tubes

capacity in ml	15	10	12	15	15	50	50	50	50
Ø x L in mm	17x100	16x80	17x100	17x120	17x120	29x115	29x115	29x115	29x115
max. RCF ²⁾	4,551	4,551	4,437	4,607	4,607	4,607	4,607	4,517	4,517
radius in mm	201	201	196	204	204	204	204	200	200
Cat. No.	- 2)	tubes with screw cap							

Adapter

boring Ø x L in mm	17.5 x 62	17.5 x 62	17.2 x 57	17 x 60	17 x 60	30 x 60	30 x 60	30 x 56	30 x 56
tubes per rotor	168	168	112	68	112	32	40	32	40
Cat. No.	4338	4338	4310	4314	4320^{3,12)}	4321	4323^{3,12)}	4313	4339^{3,12)}

1) For cooled versions: Lowest temperature achievable with precooling and max. speed.

2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers.
The max. RCF for glass tubes annotated with footnote 2) is 4,000.

3.12) When using these tubes, bucket 4290 cannot be closed with lid 4291.

3.13) When using these tubes, bucket 4295-A cannot be closed with lid 4229-B.

24) At temperatures of over +40 °C and / or when not filled to capacity, bottles may warp during centrifugation.

— SWING-OUT ROTOR, 4-PLACE | 4294

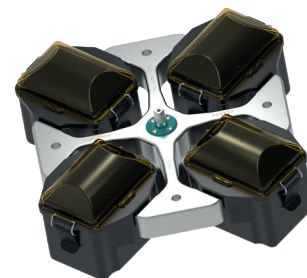
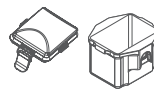
Rotor

max. RPM max. RCF ²⁾	4,500 min ⁻¹ 4,573
max. capacity	24 plates
run-up run-down, braked in sec	115 116
angle temperature in °C ¹⁾	90° +5
Cat. No.	4294



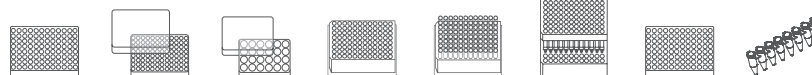
Bucket

lid bioseal ³⁾	5629
Cat. No.	4280



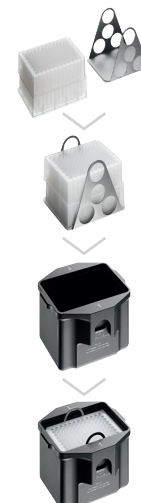
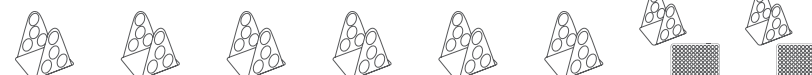
Plates

W x D x H in mm	128x86x15	128x86x17.5	128x86x22	128x86x44.5	128x86x46	128x86x83	124x82x20	-
capacity in ml	-	-	-	-	-	-	-	0.2
max. RCF ²⁾	4,625	4,625	4,625	4,625	4,625	4,625	4,625	4,625
radius in mm	204	204	204	204	204	204	204	204
Cat. No.	MTP	MTP	CP	DWP	MS	QP	PCR plates 96-places	PCR strips



Removal aid

boring Ø x L in mm	-	-	-	-	-	-	-	-
plates / strips per rotor	24	24	20	8	4	4	4	48 x 8
Cat. No.	4279	4279	4279	4279	4279	4279	4279 + 1485	4279 + 1485



— SWING-OUT ROTOR, 4-PLACE | 4294

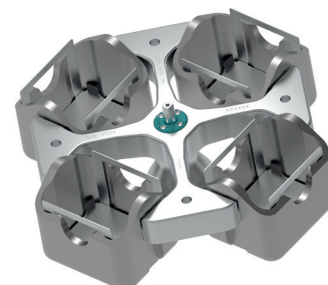
Rotor

max. RPM max. RCF ²⁾	4,500 min ⁻¹ 4,867
max. capacity	20 Racks
run-up run-down, braked in sec	115 116
angle temperature in °C ¹⁾	90° +7
Cat. No.	4294



Bucket

Cat. No.	4257
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Rack

W x D x H in mm	118 x 20 x 70
capacity in ml	-
max. RCF ²⁾	4,867
radius in mm	215
Cat. No.	Hitachi Rack



Removal aid

boring Ø x L in mm	-
tubes per rotor	20
Cat. No.	4259-A²³⁾



- 1) For cooled versions: Lowest temperature achievable with precooling and max. speed.
- 2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote 2) is 4,000.
- 23) When using removal frame 4259-A, please take the spacer out of carrier 4257.

SWING-OUT ROTOR, 4-PLACE | 4294

Rotor

max. RPM max. RCF ²⁾	4,500 min ⁻¹ 5,184
max. capacity	4 x 1,000 ml
run-up run-down, braked in sec	115 116
angle temperature in °C ¹⁾	90° +5
Cat. No.	4294



Bucket

adapter including lid	4255
Cat. No.	4254



Tubes

capacity in ml	5	7	9	15	25	50	100	2.6–3.4	2.7–3	4–5.5	4.5–5	4.9	7.5–8.2	9–10	10
Ø x L in mm	12x75	12x100	14x100	17x100	24x100	34x100	44x100	13 x 65	11x66	15x75	11x92	13x90	15x92	16x92	15x102
max. RCF ²⁾	4,618	4,618	4,777	4,777	4,505	4,573	4,551	4,618	4,618	4,777	4,618	4,618	4,777	4,777	4,777
radius in mm	204	204	211	211	199	202	201	204	204	211	204	204	211	211	211
Cat. No.	tubes ²⁾							blood collection / urine tubes							



Adapter

boring Ø x L in mm	13 x 58	13 x 58	17,5 x 60	17,5 x 60	26 x 72	36 x 79	45 x 78	13,5 x 58	13 x 58	17,5 x 60	13 x 58	13,5 x 58	17,5 x 60	17,5 x 60	17,5 x 60
tubes per rotor	120	120	76	76	28	16	8	84	120	76	120	84	76	76	76
Cat. No.	4433	4433	4434	4434	4438	4439	4442	4435	4433	4434	4433	4435	4434	4434	4434

Tubes

capacity in ml	1.6–5	4–7	4–7	8	8.5–10	15	30	50	25	30	10	250	290	650	750
Ø x L in mm	13x75	13x100	16x75	16x81	16x100	17x120	25 x 110	29x115	25x90	25 x 110	16 x 80	61 x 122	62 x 137	97 x 139	97 x 152
max. RCF ²⁾	4,618	4,618	4,777	4,777	4,777	4,890	4,709	4,890	4,709	4,709	4,777	5,003	5,003	5,184	5,184
radius in mm	204	204	211	211	211	216	208	216	208	208	211	221	221	229	229
Cat. No.	blood collection / urine tubes				tubes with screw cap							5127 ²⁴⁾	- ²⁴⁾	0554 ²⁴⁾	0512 ²⁴⁾



Adapter

boring Ø x L in mm	13,5 x 58	13,5 x 58	17,5 x 60	17,5 x 60	17,5 x 60	17 x 86	26 x 72	30 x 87	26 x 72	26 x 72	17,5 x 60	62 x 92	62 x 92	98 x 138	98 x 138
tubes per rotor	84	84	76	76	76	48	28	20	28	28	76	4	4	4	4
Cat. No.	4435	4435	4434	4434	4434	4437	4438	4441	4438	4438	4434	4443	4443	-	-

Tubes

capacity in ml	1,000	1,000	175	175	200	225	250	500
Ø x L in mm	96 x 176	98 x 138	61 x 118	61,5x144,3	60 x 130	61 x 137	60 x 162	96 x 147
max. RCF ²⁾	5,184	5,184	5,184	5,184	5,184	5,184	5,184	5,184
radius in mm	229	229	229	229	229	229	229	229
Cat. No.	4239 ²⁴⁾	4255	Falcon	Nalgene	Nunc®	Falcon	Corning®	Corning®



Adapter

boring Ø x L in mm	98 x 138	-	-	-	-	-	-	-
tubes per rotor	4	4	4	4	4	4	4	4
Cat. No.	-	-	4440	4430	4430	4440	4430	4449

- For cooled versions: Lowest temperature achievable with precooling and max. speed.
- Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote 2) is 4,000.
- When using these tubes, bucket 4255 cannot be closed with its lid.
- At temperatures of over +40 °C and / or when not filled to capacity, bottles may warp during centrifugation.

SWING-OUT ROTOR, 4-PLACE | 4294

Rotor

max. RPM max. RCF ²⁾	4,500 min ⁻¹ 5,252
max. capacity	4 blood bags
run-up run-down, braked in sec	115 116
angle temperature in °C ¹⁾	90° +2
Cat. No.	4294



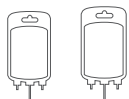
Bucket

Cat. No.	4293
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Blood bags

capacity in ml	450	500
blood bags	3-place	3-place
max. RCF ²⁾	5,252	5,252
radius in mm	232	232
Cat. No.	blood bags	



Insert

boring Ø x L in mm	-	-
blood bags per rotor	4	4
Cat. No.	4244-A	4244-A



Additional blood bank accessories can be found on [page 185](#)

SWING-OUT ROTOR, 4-PLACE | 4294

Rotor

max. RPM max. RCF ²⁾	4,500 min ⁻¹ 5,071
max. capacity	4 blood bags
run-up run-down, braked in sec	115 116
angle temperature in °C ¹⁾	90° +3
Cat. No.	4294



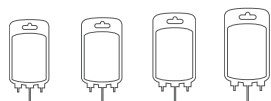
Bucket

Cat. No.	4298-A
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Blood bags

capacity in ml	450	500	750	1,000
blood bags	4-place	4-place	1-place	1-place
max. RCF ²⁾	5,003	5,003	5,003	5,071
radius in mm	221	221	221	224
Cat. No.	blood bags			



Insert

boring Ø x L in mm	-	-	-	-
blood bags per rotor	4	4	4	4
Cat. No.	4237-A	4237-A	4237-A	-



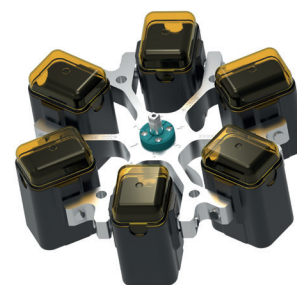
Additional blood bank accessories can be found on [page 185](#)

- 1) Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be attained by reducing the speed.
- 2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote 2) is 4,000.

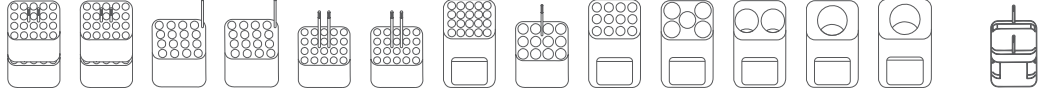
SWING-OUT ROTOR, 6-PLACE | 4296

	
Rotor	
max. RPM max. RCF ²⁾	4,000 min ⁻¹ 3,363
max. capacity	6 x 100 ml
run-up run-down, braked in sec	33 50
angle max. noise level	90° 52 dB (A)
temperature in °C ¹⁾	0
Cat. No.	4296

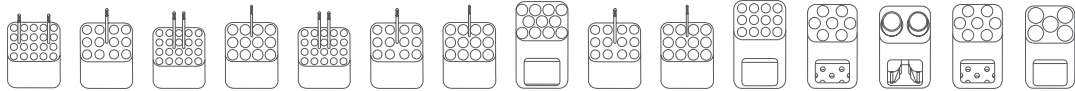
	
Bucket	
lid	5053
Cat. No.	5051



	
Vessels	
capacity in ml	1.5 2 1.5 2 5 6 7 9 15 25 50 100 100 1-8
Ø x L in mm	11x38 11x38 11x38 11x38 12x75 12x82 12x100 14x100 17x100 24x100 34x100 44x100 40x115 simple / multiple
max. RCF ²⁾	2,486 / 3,363 2,486 / 3,363 3,363 3,363 3,309 3,309 3,291 3,309 3,291 3,291 3,291 3,291 2,290 / 3,274
radius in mm	139 / 188 139 / 188 188 188 185 185 184 185 184 184 184 184 128 / 183
Cat. No.	microliter tubes tubes²⁾ cyto chambers

	
Adapter	
boring Ø x L in mm	12.5x42 12.5x42 11.5x50 11.5x50 12.5x42 12.5x42 12.5x86 16x50 17.5x86 26x86 36x86 45.5x86 42x86 -
vessels per rotor	240 240 96 96 120 120 120 72 72 30 12 6 6 12
Cat. No.	5257 5257 5281 5281 5227 5227 5247¹⁵⁾ 5264 5248¹⁵⁾ 5242 5243 5262 5249 5280

	
Vessels	
capacity in ml	1.1-1.4 2.6-2.9 2.7-3 4-5.5 4.5-5 4.9 7.5-8.2 9-10 1.6-5 4-7 8.5-10 15 50 15 30
Ø x L in mm	8x66 13x65 11 x 66 15 x 75 11 x 92 13x90 15x92 16x92 13x75 16x75 16x100 17x120 29x115 17x100 25x110
max. RCF ²⁾	3,274 3,345 3,309 3,309 3,309 3,345 3,309 3,291 3,345 3,309 3,291 3,434 3,363 3,434 3,291
radius in mm	183 187 185 185 185 187 185 184 187 185 184 192 188 192 184
Cat. No.	blood collection / urine tubes tubes with screw cap

	
Adapter	
boring Ø x L in mm	11 x 44 13.5x52 12.5x42 16x50 12.5x42 13.5x52 16x50 17,6x82,5 13.5x52 16x50 17,5x82,5 17x90 30x82,5 17x90 26 x 82,5
vessels per rotor	120 72 120 72 120 72 72 66 72 72 72 42 12 42 30
Cat. No.	5267 5268 5227 5264 5227 5268 5264 5258 5268 5264 5248 6306 5259 6306 5266

	
Vessels	
capacity in ml	50
Ø x L in mm	29x115
max. RCF ²⁾	3,291
radius in mm	184
Cat. No.	tubes with screw cap

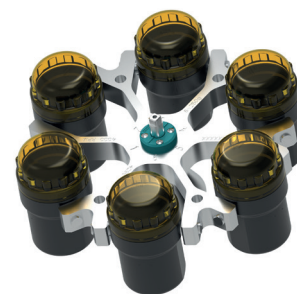
	
Adapter	
boring Ø x L in mm	26 x 82,5
vessels per rotor	12
Cat. No.	5243

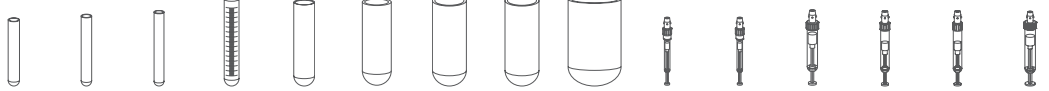
- 1) Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be attained by reducing the speed.
- 2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote 2) is 4,000.
- 3.11) When using these tubes, bucket 5051 cannot be closed with lid 5053.

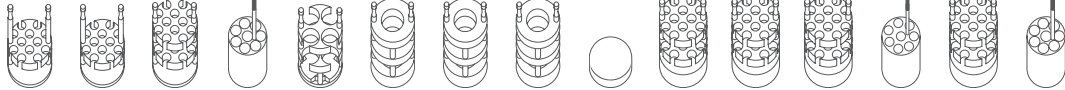
SWING-OUT ROTOR, 6-PLACE | 4296

	
Rotor	
max. RPM max. RCF	4,000 min ⁻¹ 3,631
max. capacity	6 x 250 ml
run-up run-down, braked in sec	33 50
angle max. noise level	90° 59 dB (A)
temperature in °C ¹⁾	-2
Cat. No.	4296

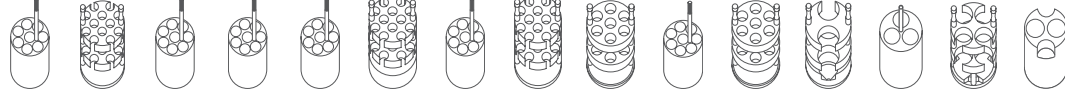
	
Bucket	
lid bioseal ⁵⁾	5093
Cat. No.	5092

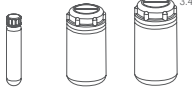


	
Vessels	
capacity in ml	5 6 7 15 25 50 100 100 250 1.1–1.4 1.1–1.4 2.6–2.9 2.7–3 2.7–3 4.9
Ø x L in mm	12x75 12x82 12x100 17x100 24x100 34x100 44x100 40x115 65x115 8 x 66 8 x 66 13 x 65 11x66 11x66 13x90
max. RCF ²⁾	3,542 3,542 3,542 3,488 3,434 3,488 3,488 3,488 3,641 3,488 3,077 3,077 3,488 3,077 3,488
radius in mm	198 198 198 195 192 195 195 195 203 195 172 172 195 172 195
Cat. No.	tubes ²⁾ blood collection / urine tubes

	
Adapter	
boring Ø x L in mm	12.8x42 12.8x42 12.8x79.5 17.5x56.7 25.5x74 35.5x77.5 45.5x85 42x86.5 66x103 13.5x56.7 12.8x54.5 12.8x54.5 13.5x56.7 12.8x54.5 13.5x56.7
vessels per rotor	72 72 72 48 24 6 6 6 6 48 72 72 48 72 48
Cat. No.	5128 5128 5120 5136 5122 5124 5125 5126 1791 5137 5138 5138 5137 5138 5137

	
Vessels	
capacity in ml	4–4.5 4.5–5 7.5–8.2 9–10 10 1.6–5 4–7 4–7 8 8.5–10 15 50 25 30 50
Ø x L in mm	15x75 11x92 15x92 16x92 15x102 13x75 16x75 13x100 16x125 16x100 17x120 29x115 25x90 25 x 110 29x115
max. RCF ²⁾	3,488 3,542 3,488 3,488 3,488 3,077 3,488 3,542 3,542 3,488 3,631 3,631 3,363 3,434 3,560
radius in mm	195 198 195 195 195 172 195 198 198 195 203 203 188 192 199
Cat. No.	blood collection / urine tubes tubes with screw cap

	
Adapter	
boring Ø x L in mm	17.5x56.7 12.8x79.5 17.5x56.7 17.5x56.7 17.5x56.7 12.8x54.5 17.5x56.7 12.8x79.5 17.5x79.5 17.5x56.7 17x85 30x85 26x73 25.5x87 30x99
vessels per rotor	48 72 48 48 48 72 48 72 42 48 42 12 18 24 12
Cat. No.	5136 5120 5136 5136 5136 5138 5136 5120 5121 ⁴⁾ 5136 5129 5123 5134 5122 5135

	
Vessels	
capacity in ml	10 250 290
Ø x L in mm	16 x 80 61 x 122 62 x 137
max. RCF ²⁾	3,488 3,631 3,631
radius in mm	195 203 203
Cat. No.	- 5127 ²⁴⁾ - ²⁴⁾

	
Adapter	
boring Ø x L in mm	17.5x56.7 62x90 62x90
vessels per rotor	48 6 6
Cat. No.	5136 6319 6319

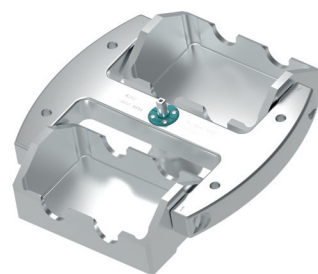
- 1) Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be attained by reducing the speed.
- 2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers.
The max. RCF for glass tubes annotated with footnote 2) is 4,000.
- 3,4) When using these tubes, bucket 5051 or 5092 cannot be closed with lid 5053 or 5093.
- 4) Please remove the spacer.
- 5) Tested by the TÜV in conformity with DIN EN 61010, section 2 - 020.
- 24) At temperatures of over +40 °C and / or when not filled to capacity, bottles may warp during centrifugation.

SWING-OUT ROTOR, 2-PLACE | 4282

Rotor	
max. RPM max. RCF	3,600 min ⁻¹ 2,652
max. capacity	20 plates
run-up run-down, braked in sec	87 94
angle max. noise level	90° 58 dB (A)
temperature in °C ¹⁾	-2
Cat. No.	4282



Bucket	
Cat. No.	4285-A



							
Plates							
W x D x H in mm	128x86x15	128x86x17.5	128x86x22	128x86x44.5	84x59x46	124x82x20	-
max. RCF ²⁾	2,434	2,434	2,434	2,434	2,434	2,434	2,434
radius in mm	168	168	168	168	168	168	168
Cat. No.	MTP	MTP	CP	DWP	MS	PCR plates	PCR strips



							
Removal aid							
boring Ø x L in mm	-	-	-	-	-	-	-
plates / strips per rotor	16	12	12	4	4	4	48 x 8
Cat. No.	4281	4281	4281	4281	4281	4281+1485	4281+1485



				
Racks				
W x D x H in mm	176x20x41	118x20x70	193x25x60	210x110x44
max. RCF ²⁾	2,652	2,652	2,652	2,579
radius in mm	183	183	183	178
Cat. No.	Olympus Racks	Hitachi Racks	Behring Racks	Rack, 50-place



				
Adapter				
boring Ø x L in mm	-	-	-	-
plates / racks per rotor	12	20	10	2
Cat. No.	4283-B	4287-B	4288-A	4263-A



1) Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be attained by reducing the speed.
2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote 2) is 4,000.

ANGLE ROTOR, 6-PLACE | 4266

Rotor	
max. RPM max. RCF	9,500 min ⁻¹ 14,025
max. capacity	6 x 250 ml
run-up run-down, braked in sec	82 96
angle	25°
temperature in °C ¹⁾	+2
Cat. No.	4266


Lid bioseal⁵⁾ and phenol-resistant
Cat. No.



INCLUSIVE



Vessels									
capacity in ml	15	25	94	10	30	50	85	94	250
Ø x L in mm	17 x 100	24 x 100	38 x 102	16 x 80	26 x 95	29 x 107	38 x 106	38 x 102	61.5 x 122
max. RCF ²⁾	13,319	12,915	12,310	13,420	12,915	12,108	12,310	12,310	14,025
radius in mm	132	128	122	133	128	120	122	122	139
Cat. No.	tubes²⁾			tubes with screw cap					5127²⁴⁾

Adapter									
boring Ø x L in mm	17.6 x 83	26 x 80	38.6 x 88	16.6 x 70	26 x 80	29 x 90	38.6 x 88	38.6 x 88	61.5 x 109
vessels per rotor	42	18	6	48	18	6	6	6	6
Cat. No.	5646	5642	5644	5641	5642	5643	5644	5644	-

- Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be attained by reducing the speed.
- Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote 2) is 4,000.
- Tested by the TÜV in conformity with DIN EN 61010, section 2 - 020.
- At temperatures of over +40 °C and / or when not filled to capacity, bottles may warp during centrifugation.

ANGLE ROTOR, 6-PLACE | 4246

Rotor	
max. RPM max. RCF	11,500 min ⁻¹ 18,038
max. capacity	6 x 94 ml
run-up run-down, braked in sec	64 64
angle	45°
temperature in °C ¹⁾	+4
Cat. No.	4246

Lid bioseal ²⁾ and phenol-resistant

Cat. No.

INCLUSIVE



Vessels

															
capacity in ml	0.5	1.5	2.0	3	15	25	50	94	7.5 – 8.2	9 – 10	10	8.5 – 10	5	15	50
Ø x L in mm	10.7x46	11x38	11x38	10x60	17x100	24x100	34x100	38x102	15x92	16x92	15x102	16x100	17x51	17x120	29x115
max. RCF ²⁾	17,299	17,299	17,299	17,299	17,003	16,560	17,743	18,038	17,003	17,003	17,003	17,003	16,856	17,299	17,595
radius in mm	117	117	117	117	115	112	120	122	115	115	115	115	114	117	119
Cat. No.	pediatric	microliter tubes			tubes ²⁾				blood collection / urine tubes				-	tubes with screw cap	



Adapter

															
boring Ø x L in mm	11.4x39	11.4x39	11.4x39	11.4x39	17.5x91.5	26x85	35x89.3	38.2x89.6	17.5x91.5	17.5x91.5	17.5x91.5	17.5x91.5	17x51	17x106	29.8x96.7
vessels per rotor	24	24	24	24	6	6	6	6	6	6	6	6	6	6	6
Cat. No.	1449	1449	1449	1449	1451	1447	1463	-	1451	1451	1451	1451	1476	1466	1454

Vessels

				
capacity in ml	10	30	50	85
Ø x L in mm	16x80	26x95	29x107	38 x 106
max. RCF ²⁾	17,003	16,560	17,299	18,038
radius in mm	115	112	117	122
Cat. No.	tubes with screw cap			



Adapter

				
boring Ø x L in mm	16.5x74	26x85	29x92	38.2x89.6
vessels per rotor	12	6	6	6
Cat. No.	1448	1447	1446	-

1) Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be attained by reducing the speed.

2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote 2) is 4,000.

5) Tested by the TÜV in conformity with DIN EN 61010, section 2 - 020.

ACCESSORIES FOR CENTRIFUGING BLOOD BAG SYSTEMS



Hettliner

Blood bags can be secured in adapters using HettLiners. After centrifuging, they can be removed by their loops without disturbing the sediment.

Cat. No. 4564



Set of compensatory weights

If blood bag carriers are not filled to the same weight, then compensatory weights can be used to make up the difference.

One set includes:
40 balancing weights, 2 g each; 20 balancing weights, 5 g each; 10 balancing weights, 10 g each; 5 balancing weights, 20 g each; 5 balancing weights, 40 g each

Cat. No. 4566



Loading station

Secure your samples and avoid accidental spillage with the convenient Loading Station for centrifuge inserts. The Hettich Loading Station allows users to confidently hold and manage their samples without the risk of the inserts toppling over.

Cat. No. 4509

CERTIFICATIONS / REGISTRATIONS

Product certification:



Product registration:



Company certifications:



DIMENSIONS

