

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 18,038 make it suitable for 4 x 450-1,000 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.

— FEATURES

- 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 regulation (EU) 2017/745
- Easy operation with keypad and control knob
- 89 program memories for more individuality
- 9 individual acceleration and 19 deceleration stages

— FIELDS OF APPLICATION

- Hospitals
- Blood centers
- Cell Culture Laboratories



Documentation system for blood banks.
More information on [page 162](#)



More information about the control panel
can be found on [page 202](#)



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 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	142
 swing-out rotor, 6-place	90°	4,000 min ⁻¹	6 x 250 ml	4296	147
 swing-out rotor, 2-place	90°	3,600 min ⁻¹	20 plates	4282	149

ANGLE ROTORS

 angle rotor, 6-place	25°	9,500 min ⁻¹	6 x 250 ml	4266	150
 angle rotor, 6-place	45°	11,500 min ⁻¹	6 x 94 ml	4246	151

SWING-OUT ROTOR, 4-PLACE | 4294

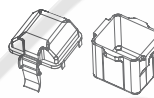


Rotor

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	11 x 66	15 x 75	11 x 92	15 x 92	16 x 92	15 x 102	13 x 75	13 x 100	16 x 75	16 x 125	16 x 100	17 x 120	29 x 115
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[®]

Adapter

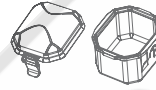
boring Ø x L in mm	17.5x70	26 x 70	30 x 96	41.5 x 70	41.5 x 70	62 x 90	97.5x105	97.5x105	97.5x105	62 x 125	97.5x105
tubes per rotor	64	44	24	16	16	4	4	4	4	4	4
Cat. No.	4220	4215	4249	4218	4218	4238	4258	4258	4258	6322	4258

SWING-OUT ROTOR, 4-PLACE | 4294



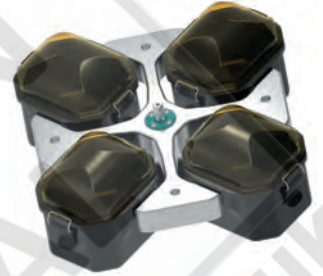
Rotor

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 ⁵⁾	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.	tubes²⁾					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							

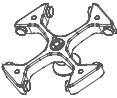


Adapter

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)}

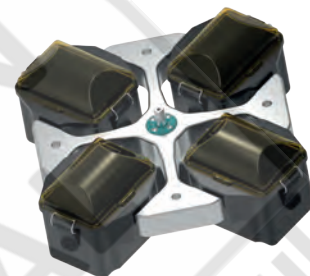
1) For cooled versions: Lowest temperature achievable with precooling and max. speed.
 2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with 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 [®]	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



	
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.	tubes²⁾							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					5127²⁴⁾	-²⁴⁾	0554²⁴⁾	0512²⁴⁾	

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
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
max. RCF ²⁾	5,184	5,184	5,184	5,184	5,184	5,184	5,184
radius in mm	229	229	229	229	229	229	229
Cat. No.	4239²⁴⁾	4255	Falcon	Nalgene	Nunc®	Falcon	Corning®

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

- 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.
- 3.15) When using these tubes, bucket 4255 cannot be closed with its lid.
- 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



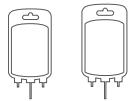
Rotor	
max. RPM max. RCF ²⁾	4,500 min ⁻¹ 5,252
max. capacity	4 blood bags
run-up run-down, braked in sec	115 116
angle temperature in °C ¹⁾	90° +2
Cat. No.	4294



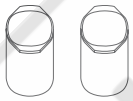
Bucket	
Cat. No.	4293



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



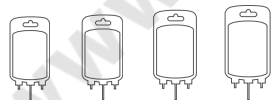
Rotor	
max. RPM max. RCF ²⁾	4,500 min ⁻¹ 5,071
max. capacity	4 blood bags
run-up run-down, braked in sec	115 116
angle temperature in °C ¹⁾	90° +3
Cat. No.	4294



Bucket	
Cat. No.	4298-A



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

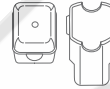
- 1) Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be attained by reducing the speed.
- 2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual 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	11 x 38	11 x 38	11 x 38	11 x 38	12 x 75	12 x 82	12 x 100	14 x 100	17 x 100	24 x 100	34 x 100	44 x 100	40 x 115	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	3,291	2,290 / 3,274
radius in mm	139 / 188	139 / 188	188	188	185	185	184	185	184	184	184	184	184	128 / 183
Cat. No.	microliter tubes				tubes ²⁾								cyto chambers	

Adapter														
boring Ø x L in mm	12.5 x 42	12.5 x 42	11.5 x 50	11.5 x 50	12.5 x 42	12.5 x 42	12.5 x 86	16 x 50	17.5 x 86	26 x 86	36 x 86	45.5 x 86	42 x 86	-
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	8 x 66	13 x 65	11 x 66	15 x 75	11 x 92	13 x 90	15 x 92	16 x 92	13 x 75	16 x 75	16 x 100	17 x 120	29 x 115	17 x 100	25 x 110
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	13.5 x 52	12.5 x 42	16 x 50	12.5 x 42	13.5 x 52	16 x 50	17,6x82,5	13.5 x 52	16 x 50	17,5x82,5	17 x 90	30 x 82,5	17 x 90	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	29 x 115
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.	tubes²⁾									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	5121⁴⁾	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.	-	5127²⁴⁾	- 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

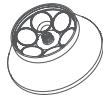
Removal aid							
boring Ø x L in mm	-	-	-	-	-	-	-
plates / strips per rotor	16	12	12	4	4	4	48 x 8
Cat. No.	4281	4281	4281	4281	4281	4281+1485	4281+1485

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	-

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.
 24) 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[®] 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			tubes²⁾				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.



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