

Swing-out rotor, 4-place



✂ 90°

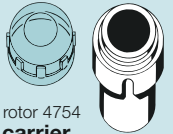
n = 4,600 min⁻¹
max. RCF 3,832

illustrated with carriers 1495 and lids 1492
with bio-containment⁵⁾

Swing-out rotor 4753

Cat. No. (without carriers) **4754**

capacity in ml	4–7	8.5–10	8	15	50	12	25	30	50	10	250	290
Ø x L in mm	16 x 75	16x 100	16x 125	17x 120	29x 115	17 x 100	25x 90	25x 110	29x 115	16x 80	61 x 122	62 x 137
Cat. No.	blood/urine tubes			0509	0513	-					5127 ²⁸⁾	- ²⁸⁾
lid with bio-containment⁵⁾ Cat. No. 5093  rotor 4753 carrier Cat. No. 5092 												
												
Cat. No.	5136		5121 ⁴⁾		5129	5123	5121	5134	5122	5135	5136	6319
boring Ø x L in mm	17.5x60.7		17.5x82		17x85	30x85	17.5x82	26x 73	25.5x82	30x99	17.5x60.7	66x 103
tubes per rotor	32		28		28	8	28	12	16	8	32	4
max. RCF ²⁾	2,952		3,059		3,095		3,005	2,826	2,898	3,023	2,952	3,095
radius in mm	165		171		173		168	158	162	169	165	173
run-up in sec	18											
run-down in sec, braked	16											
temperature in °C ¹⁾	- 1											

capacity in ml	1.5	2.0	1	3	4	5	6	7	8	9	15	25	50	94	100
Ø x L in mm	11x38	11x38	6x45	10x60	10x88	12x75	12x82	12x100	16x81	14x100	17x100	24x100	34x100	38x102	44x100
Cat. No.	2078	0536	Rhesus	-		0553 ²⁾	0501 ²⁾	0578 ²⁾	-	0500 ²⁾	0518 ²⁾	0519 ²⁾	0521 ²⁾	0549	0526 ²⁾
lid with bio-containment ⁵⁾ Cat. No. 1492  rotor 4754 carrier Cat. No. 1495															
															
Cat. No.	1351		1339	1343		1383			1348	1329		1330	1331	1396	0761
boring Ø x L in mm	11.2x38		6.5x34	10.5x43		13.4x48			16.5x56	17.6x91		25.2x87	35.2x87	38.5x92	45.9x98
tubes per rotor	20		108	36		20			16	16		4			
max. RCF ²⁾	3,549		3,738	3,785		3,690			3,690	3,667		3,525	3,501	3,761	3,690
radius in mm	150		158	160		156			156	155		149	148	159	156
run-up in sec	14														
run-down in sec, braked	14														
temperature in °C ¹⁾	0														

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

²³⁾ Please ask for our detailed cyto brochure.

²⁸⁾ At temperatures of over + 40 °C and / or when not filled to capacity, bottles may warp during centrifugation.



illustrated with carriers 1495

Swing-out rotor Cat. No. (without carriers) 4754

capacity in ml	1.1–1.4	2.6–3.4	2.7–3	4–5.5	4.5–5	4.9	7.5–8.5	9–10	10	1.6–5	4–7	4–7	8.5–10
Ø x L in mm	8x66	13x65	11x66	15x75	11x92	13x90	15x92	16x92	15x102	13x75	13x100	16x75	16x100
Cat. No.	blood collection/urine tubes												
lid with bio-containment ⁵⁾ Cat. No. 1492  carrier Cat. No. 1495 													
													
Cat. No.	1457	1383	1459	1383	1459	1329	1329 ⁴⁾	1383	1348				
boring Ø x L in mm	9x47	13.4x48	15.6x47	13.4x48	15.6x47	17.6x91	17.6x91	13.4x48	16.5x56				
tubes per rotor	28	20	16	20	16	16	16	20	16				
max. RCF ²⁾	3,714	3,690	3,714	3,690	3,714	3,667	3,832	3,690	3,690				
radius in mm	157	156	157	156	157	155	162	156	156				
run-up in sec	14												
run-down in sec, braked	14												
temperature in °C ¹⁾	0												

capacity in ml	15	15	50	12	25	30	50	10	30	50	85	30
Ø x L in mm	17x120	17x120	29x115	17x100	25x90	25x110	29x115	16x80	26x95	29x107	38x106	44x105
Cat. No.	0509	0509	0513	-					0545	0546	0547	0534⁶⁾
lid with bio-containment ⁵⁾ Cat. No. 1492  carrier Cat. No. 1495 												
												
Cat. No.	1347	1356	1384	6311	1363	1365	6318	1348	4417	4416	1396	0765
boring Ø x L in mm	17x90	17x107	30x90	17x80	26x72	26x80	29.5x80	16.5x56	26x83	29x93	38.5x92	45.9x98
tubes per rotor	4	12	4	4	4	4	16	4	4	4	4	4
max. RCF ²⁾	3,832				3,407	3,832	3,690	3,549	3,785	3,761	3,667	3,667
radius in mm	162				144	162	156	150	160	159	155	155
run-up in sec	14											
run-down in sec, braked	14											
temperature in °C ¹⁾	0											

1) Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be reached 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) When using these tubes, carrier 1495 cannot be closed with lid 1492.



illustrated with carriers 1425

Swing-out rotor Cat. No. (without carriers) 4754

capacity in ml	1.5	2.0	1	3	4	5	6	7	9	15	25	50	100	
Ø x L in mm	11 x 38	11 x 38	6 x 45	10x60	12x60	12x75	12x82	12x100	14x100	17x100	24x100	34x100	44x100	
Cat. No.	2078	0536	Rhesus	-		0553 ²⁾	0501 ²⁾	0578 ²⁾	0500 ²⁾	0518 ²⁾	0519 ²⁾	0521 ²⁾	0526 ²⁾	
 carrier Cat. No. 1425														
														
Cat. No.	1444	1432	1433	1438	1434				1431		1435	1436	1437	
boring Ø x L in mm	11.5x38		6.5x34	10.5x40	13.4x50	12.7x60			17.5x84		25.5x84	35.5x84	45.5x86	
tubes per rotor	36		144	56	28	48			28		8	4	4	
max. RCF ²⁾	3,572		3,643	3,596								3,501		
radius in mm	151		154	152								148		
run-up in sec	14													
run-down in sec, braked	14													
temperature in °C ¹⁾	0													

capacity in ml	2.6–3.4	2.7–3	4–5.5	4.5–5	4.9	7.5–8.5	9–10	1.6–5	4–7	4–7	8.5–10	15	50	50			
Ø x L in mm	13x65	11x66	15x75	11x92	13x90	15x92	16x92	13x75	13x100	16x75	16x100	17x120	29x115	29x115			
Cat. No.	blood collection/urine tubes											0509	0513	-			
 carrier Cat. No. 1425																	
																	
Cat. No.	1438		1441		1438		1431		1439		1438		1441		1736	1443	1737
boring Ø x L in mm	13.4x50		16.5x50		13.4x50		17.5x84		17x45		13.4x50		16.5x50		17x90	30x90	
tubes per rotor	28							16		28			16		4		
max. RCF ²⁾	3,596							3,596		3,596			3,738		3,738		
radius in mm	152							152		152			158		158		
run-up in sec	14																
run-down in sec, braked	14																
temperature in °C ¹⁾	0																

⁴⁾ Please remove the inserts.

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

⁶⁾ A rubber stopper for closing the tube is available under Cat. No. 0535. The tube may not be centrifuged with the stopper. The stopper only serves to close the tube for agitating or mixing.

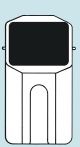


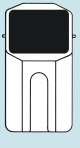
illustrated with carriers 1427



illustrated with carriers 1427 and lids 1421

Swing-out rotor Cat. No. (without carriers) 4754

capacity in ml	1.5/2.0	1	3	4	5	6	7	9	15	25	50	15	50	50
Ø x L in mm	11 x 38	6 x 45	10 x 60	12 x 60	12 x 75	12 x 82	12 x 100	14 x 100	17 x 100	24 x 100	34 x 100	17 x 120	29 x 115	29 x 115
Cat. No.	2078/0536	Rhesus	-	-	0553 ²⁾	0501 ²⁾	0578 ²⁾	0500 ²⁾	0518 ²⁾	0519 ²⁾	0521 ²⁾	0509	0513	-
lid Cat. No. 1421  carrier Cat. No. 1427 														
														
Cat. No.	5277	1357	1327	1326	1732	5229	5230	5237	5231	5232	5233	1733	5276	5233 ⁴⁾
boring Ø x L in mm	11.5 x 38	6.5 x 23	10.5 x 23	12.5 x 44	13.4 x 58	12.5 x 44	12.4 x 87	15 x 73	17.8 x 87	25.5 x 87	35.5 x 87	17 x 90	30 x 90	35.5 x 87
tubes per rotor	36	120	48	32	48	48	24	24	8	4	12	4	4	4
max. RCF ²⁾	3,761	3,738	3,714	3,690	3,714	3,620	3,620	3,620	3,620	3,620	3,620	3,809	3,714	3,714
radius in mm	159	158	157	156	157	153	153	153	153	153	153	161	157	157
run-up in sec	14													
run-down in sec, braked	14													
temperature in °C ¹⁾	0													

capacity in ml	1.1–1.4	2.6–3.4	2.7–3	4–5.5	4.5–5	4.9	7.5–8.5	9–10	1.6–5	4–7	4–7	8.5–10
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	13 x 100	16 x 75	16 x 100
Cat. No.	blood collection/urine tubes											
lid Cat. No. 1421  carrier Cat. No. 1427 												
												
Cat. No.	5278	1732	5229	5279	5230	1732	5279	5271 ⁴⁾	1732	5271	5231	
boring Ø x L in mm	9 x 41	13.4 x 58	12.5 x 44	15.6 x 41	12.4 x 87	13.4 x 58	15.6 x 41	17 x 66	13.4 x 58	17 x 66	17.8 x 87	
tubes per rotor	48	32	48	20	48	32	20	32	32	20	24	
max. RCF ²⁾	3,761	3,690	3,714	3,761	3,620	3,690	3,761	3,643	3,690	3,643	3,620	
radius in mm	159	156	157	159	153	156	159	154	156	154	153	
run-up in sec	14											
run-down in sec, braked	14											
temperature in °C ¹⁾	0											

suspension for cyto accessories
cyto chambers ²³⁾


1452
-
4
2,721
115
14
14
0

¹⁾ Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be reached 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⁾ When using these tubes, carrier 1427 cannot be closed with lid 1421.

Swing-out rotor, 8-place



± 90°

n = 3,800 min⁻¹
max. RCF 2,906

illustrated with carriers 1742

Cat. No. (without carriers) **4758**

capacity in ml	5	6	7	9	15	20	45	50	1.1–1.4	2.6–3.4	4–5.5	4.5–5	4.9	7.5–8.5
Ø x L in mm	12 x 75	12 x 82	12 x 100	14 x 100	17 x 100	21 x 100	31 x 100	34 x 100	8 x 66	13 x 65	15 x 75	11 x 92	13 x 90	15 x 92
Cat. No.	0553²⁾	0501²⁾	0578²⁾	0500²⁾	0518²⁾	-	-	0521²⁾	blood collection/urine tubes					
 rotor Cat. No. 4758														
														
Cat. No.	1369-91	1372	1369-92	1741	1742⁹⁾	1346	1345	1746	1741	1742⁹⁾	1741	1742⁹⁾	1741	1742⁹⁾
boring Ø x L in mm	11.5 x 64.4	13.5 x 65	11.5 x 71.5	14.6 x 78	17.6 x 78	21.5 x 74	32 x 74	35 x 78	14.6 x 78	17.6 x 78	14.6 x 78	17.6 x 78	14.6 x 78	17.6 x 78
tubes per rotor	32	136	32	80	56	16	8	80	80	56	80	56	80	56
max. RCF ²⁾	2,551	2,648	2,777	2,874	2,906	2,825	2,825	2,906	2,874	2,793	2,906	2,793	2,906	2,793
radius in mm	158	164	172	178	180	175	175	180	178	173	180	173	180	173
run-up in sec	19													
run-down in sec, braked	16													
temperature in °C ¹⁾	0													

capacity in ml	9–10	10	1.6–5 / 4–7	4–7	8.5–10	15	50	30	suspension for cyto accessories	
Ø x L in mm	16 x 92	15 x 102	13 x 75/16 x 75	13 x 100	16 x 100	17 x 120	29 x 115	26 x 95		
Cat. No.	blood collection/urine tubes					0509	0513	0545	cyto chambers²³⁾	
 rotor Cat. No. 4758										
										
Cat. No.	1742⁹⁾	1742^{9,25)}	1742⁹⁾	1741²⁵⁾	1742⁹⁾	1742^{9,25)}	1746	1746	1745	1660
boring Ø x L in mm	17.6 x 78	17.6 x 78	17.6 x 78	14.6 x 78	17.6 x 78	17.6 x 78	30 x 98	30 x 98	26 x 78	-
tubes per rotor	56	24	56	32	56	24	8	8	16	8
max. RCF ²⁾	2,906	2,906	2,793	2,906	2,906	2,906	2,906	2,906	2,906	2,179
radius in mm	180	180	173	180	180	180	180	180	180	135
run-up in sec	19									
run-down in sec, braked	16									
temperature in °C ¹⁾	0									

⁴⁾ Please remove the inserts.

⁹⁾ For further tubes accommodated by adapter 1742, please refer to page 80.

²³⁾ Please ask for our detailed cyto brochure.

²⁵⁾ Please load only the middle row.

Angle rotor, 30-place

Angle rotor, 4-place



±45°

n = 15,000 min⁻¹
max. RCF 24,400

with bio-containment⁵⁾



±25°

n = 9,500 min⁻¹
max. RCF 12,007

Swing-out rotor 4758

Cat. No. 4790-A

Cat. No. 4795

capacity in ml	1.5/2.0	1	3	4
Ø x L in mm	11 x 38	6 x 45	10 x 60	12 x 60
Cat. No.	2078 / 0536	Rhesus	-	-
 rotor 4758 carrier Cat. No. 1366				
Cat. No.	5277	1357	1327	1326
boring Ø x L in mm	11.5 x 38	6.5 x 23	10.5 x 23	12.5 x 44
tubes per rotor	72	240	96	
max. RCF ²⁾	2,470	2,454	2,438	
radius in mm	153	152	151	
run-up in sec		19		
run-down in sec, braked		16		
temperature in °C ¹⁾		0		

capacity in ml	0.2	0.4	0.5	0.8	1.5	2.0
Ø x L in mm	6 x 18	6 x 45	8 x 30	8 x 45	11 x 38	
Cat. No.	-				2078	0536
 rotor Cat. No. 4790-A						
Cat. No.	2024	2023	2031⁷⁾	-		
boring Ø x L in mm	6 x 40	8 x 40	10.2 x 19	11.2 x 40.9		
tubes per rotor	30					
max. RCF ²⁾	24,400					
radius in mm	97					
run-up in sec	19					
run-down in sec, braked	24					
temperature in °C ¹⁾	+4					

capacity in ml	15	25	94	10	30	50	85	94	250
Ø x L in mm	17x100	24x100	38 x 102	16x80	26 x 95	29 x 107	38 x 106	38 x 102	61 x 122
Cat. No.	0518²⁾	0519²⁾	0549	-	0545	0546	0547	0538¹³⁾	5127²⁸⁾
 rotor Cat. No. 4795									
Cat. No.	5646	5642	5644	5641	5642	5643	5644	-	
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	61.5 x 109	
tubes per rotor	28	12	4	32	12	4	4	4	
max. RCF ²⁾	11,301	10,897	10,292	11,402	10,897	10,090	10,292	12,007	
radius in mm	112	108	102	113	108	100	102	119	
run-up in sec	45								
run-down in sec, braked	55								
temperature in °C ¹⁾	+2								

¹⁾ Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be reached 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.

Angle rotor, 6-place

Angle rotor, 6-place, for PCR strips



45°

n = 11,000 min⁻¹
max. RCF 16,504

with bio-containment⁵⁾

Cat. No. 4794

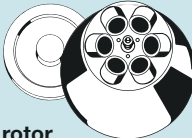


45°

n = 14,000 min⁻¹
max. RCF 18,845

lid (optional)
Cat. No. 1162

Cat. No. (without lid) 4760

capacity in ml	1.5	2.0	3	15	25	50	75	94	7.5–8.5	9–10	10	8.5–10	
Ø x L in mm	11 x 38		10 x 60	17 x 100	24 x 100	34 x 100	35 x 105	38 x 102	15 x 92	16 x 92	15 x 102	16 x 100	
Cat. No.	2078	0536	-	0518 ²⁾	0519 ²⁾	0521 ²⁾	0548	0549	blood collection/urine tubes				
lid with bio-containment⁵⁾ incl.  rotor Cat. No. 4794													
													
	1449			1451	1447	1463		-	1451				
boring Ø x L in mm	11.4 x 39			17.5 x 92	26 x 85	35 x 89		38.2 x 89.6		17.5 x 92			
tubes per rotor	24			6				6	6				
max. RCF ²⁾	15,828			15,557	15,151	16,233		16,504		15,557			
radius in mm	117			115	112	120		122		115			
run-up in sec	40												
run-down in sec, braked	63												
temperature in °C ¹⁾	+4												

capacity in ml	15	50	10	30	50	85	94
Ø x L in mm	17 x 120	29 x 115	16 x 80	26 x 95	29 x 107	38 x 106	38 x 102
Cat. No.	0509	0513	-	0545	0546	0547	0538¹³⁾
lid with bio-containment ⁵⁾ incl.							
rotor Cat. No. 4794							
Cat. No.	1466	1454	1448	1447	1446	-	
boring Ø x L in mm	17 x 106	29.8 x 97	16.5 x 74	26 x 85	29 x 92	38.2 x 89.6	
tubes per rotor	6	6	12	6			
max. RCF ²⁾	15,828	16,098	15,557	15,151	15,828	16,504	
radius in mm	117	119	115	112	117	122	
run-up in sec	40						
run-down in sec, braked	63						
temperature in °C ¹⁾	+4						

capacity in ml	0.2	0.2
Ø x L in mm	6 x 18	-
Cat. No.	-	PCR strips
rotor Cat. No. 4760		
Cat. No.	-	
boring Ø x L in mm	6.5 x 15.5	
tubes per rotor	48	6 x 8
max. RCF ²⁾	18,845	
radius in mm	86	
run-up in sec	15	
run-down in sec, braked	15	
temperature in °C ¹⁾	+1	

⁷⁾ For centrifugation at high speeds, we recommend to use form-fitting, phenol-resistant adapters 2031.

¹³⁾ The screw cap for tube No. 0538 is available with Cat. No. 0539. Dimensions with cap 38 x 106 mm.

²⁸⁾ At temperatures of over + 40 °C and / or when not filled to capacity, bottles may warp during centrifugation.

ROTANTA 460/460 R



Advanced laboratory technology makes a significant contribution to shortening processing times

Enhanced performance and an extended range of accessories guarantee fast, trouble-free operation in daily laboratory use. With a maximum capacity of 3 litres per run, the ROTANTA centrifuges are proving themselves in clinics and laboratory centres, as well as in Life Science R & D departments.



TECHNOLOGY

	ROTANTA 460		ROTANTA 460 R ^{*)}		
Benchtop centrifuge, without rotor	classic		cooled		
Power supply ^{*)}	200 – 240 V 1 ~	100 – 127 V 1 ~	200 – 240 V 1 ~	100–127 V 1 ~	100 V 1 ~
Frequency	50 – 60 Hz		50 Hz	60 Hz	50 Hz
Consumption	1,000 VA	1,100 VA	1,800 VA	2,000 VA	
Emission, Immunity	EN / IEC 61326-1, class B	FCC class B	EN / IEC 61326-1, class B	FCC class B	

Max. capacity	4x 750 ml				
Max. RPM (speed)	15,000 min ⁻¹				
Max. RCF	24,400				
Running time	1 sec - 99 h : 59 min : 59 sec, ∞ continuous run, short cycle mode				

Dimensions (HxWxD)	456 x 554 x 706 mm	456 x 554 x 715 mm	456 x 770 x 706 mm	456 x 770 x 715 mm
Weight	approx. 101 kg	approx. 111 kg	approx. 141 kg	approx. 151 kg

Refrigeration

Temperature control, infinitely variable	-	from -20 to +40 °C		
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Cat. No.	5650	5650-01	5660	5660-01
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^{*)} Other voltages on request.

^{*)} For a list of further versions of this model, please refer to page 12.

ROTANTA 460 RC /460 RF

Model ROTANTA 460 RC is a refrigerated floor-standing centrifuge. It rests on castors, can be easily pushed beneath the workbench and thus does not take up any space on top of the workbench. A further option is the refrigerated ROTANTA 460 RF floor-standing centrifuge.



TECHNOLOGY

ROTANTA 460 RC ^{*)}

ROTANTA 460 RF ^{*)}

	Underbench centrifuge, cooled, without rotor	Floorstanding centrifuge, cooled, without rotor
Power supply ^{*)}	200 – 240 V 1 ~	
Frequency	50 Hz	
Consumption	1,800 VA	
Emission, Immunity	EN / IEC 61326-1, class B	

 Max. capacity	4 x 750 ml	
 Max. RPM (speed)	15,000 min ⁻¹	
Max. RCF	24,400	
Running time	1 sec - 99 h : 59 min : 59 sec, ∞ continuous run, short cycle mode	

Dimensions (HxWxD)	683 x 554 x 697 mm	961 x 554 x 697 mm
Weight	approx. 140 kg	approx. 164 kg

Refrigeration

Temperature control, infinitely variable	from - 20 to + 40 °C	
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Cat. No.	5670	5675
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Swing-out rotor, 4-place

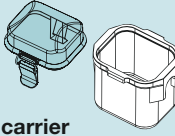


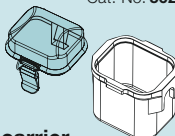
± 90°

n = 4,600 min⁻¹
max. RCF 5,063

illustrated with carriers 5625-A and lids 5627
with bio-containment⁵⁾

Cat. No. (without carriers) **5699**

capacity in ml	1.5	2.0	3	4	4	5	6	7	10	15	25	50	75	94	
Ø x L in mm	11 x 38		10 x 60	10 x 88	12 x 60	12 x 75	12 x 82	12 x 100	17 x 70	17 x 100	24 x 100	34 x 100	35 x 105	38 x 102	
Cat. No.	2078	0536	-			0553 ²⁾	0501 ²⁾	0578 ²⁾	2079	0518 ²⁾	0519 ²⁾	0521 ²⁾	0548	0549	
lid with bio-containment⁵⁾ Cat. No. 5627  carrier Cat. No. 5625-A															
															
Cat. No.	4730				4732				4733		4734	4735		4736	
boring Ø x L in mm	11 x 84				13.5 x 84				17.5 x 84		26.5 x 84		36 x 80		42 x 80
tubes per rotor	224		120		80				68		24	12			
max. RCF ²⁾ upper/lower	3,572 / 4,637		4,637										4,495		
radius in mm upper/lower	151 / 196		196										190		
run-up in sec	90														
run-down in sec, braked	95														
temperature in °C ¹⁾	+ 4														

capacity in ml	100	100	250	1.1–1.4	2.6–3.4	2.7–3	4–5.5	4.5–5	4.9	7.5–8.5	9–10	10
Ø x L in mm	44x100	40x115	65x115	8x66	13x65	11x66	15x75	11x92	13x90	15x92	16x92	15x102
Cat. No.	0526 ²⁾	0523 ²⁾	0530 ²⁾	blood collection/urine tubes								
lid with bio-containment ⁵⁾ Cat. No. 5627  carrier Cat. No. 5625-A												
												
Cat. No.	4737	4736	4738	4730	4732	4733	4732	4733				
boring Ø x L in mm	46x84	42x80	66x80	11x84	13.5x84	17.5x84	13.5x84	17.5x84				
tubes per rotor	8	12	4	120	80	68	80	68				
max. RCF ²⁾	4,637	4,495	4,637									
radius in mm	196	190	196									
run-up in sec	90											
run-down in sec, braked	95											
temperature in °C ¹⁾	+ 4											

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

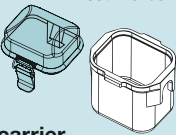
²⁾ Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote ²⁾ is 4,000.

⁴⁾ Please remove the inserts.



Most of the adapters for carriers 5625-A and 5620-A are built in layers. For shorter tubes, 1 to 2 layers should be removed. In the tables, the required layers are marked in grey.

Swing-out rotor 5699

capacity in ml	1.6-5	4-7	4-7	8.5-10	14	15	50	12	25	30	50	10	30	50	85	94
Ø x L in mm	13x75	13x100	16x75	16x100	16.5x106	17x120	29x115	17x100	25x90	25x110	29x115	16x80	26x95	29x107	38x106	38x102
Cat. No.	blood collection/urine tubes				-	0509	0513	-				-	0545	0546	0547	0538 ¹³⁾
lid with bio-containment ⁵⁾ Cat. No. 5627  carrier Cat. No. 5625-A																
Cat. No.	4732	4733	4739 ⁴⁾	4739	4740	4739 ⁴⁾	4734	4740 ⁴⁾	4733	4734	4740 ⁴⁾	4736	4740 ⁴⁾	4736	4736	4736
boring Ø x L in mm	13.5x84	17.5x84	17x80	17x80	30x80	17x80	26.5x84	30x80	17.5x84	26.5x84	30x80	42x80	17.5x84	26.5x84	30x80	42x80
tubes per rotor	80	68	48	48	20	48	24	20	68	24	20	12	68	24	20	12
max. RCF ²⁾	4,637															4,495
radius in mm	196															190
run-up in sec	90															
run-down in sec, braked	95															
temperature in °C ¹⁾	+4															

capacity in ml	1.5	2.0	3	4	4	5	6	7	10	15	25	45	50	75	94	100
Ø x L in mm	11x38	10x60	10x88	12x60	12x75	12x82	12x100	17x70	17x100	24x100	31x100	34x100	35x105	38x102	40x115	
Cat. No.	2078	0536	-	0553 ²⁾	0501 ²⁾	0578 ²⁾	2079	0518 ²⁾	0519 ²⁾	-	0521 ²⁾	0548	0549	0523 ²⁾		
lid with bio-containment ⁵⁾ Cat. No. 5621  carrier Cat. No. 5620-A																
Cat. No.	4830	4832	4833	4834	4835	4836										
boring Ø x L in mm	11x84	13.5x84	17.5x84	26.5x84	36x80	42x80										
tubes per rotor	192	96	76	28	16	12										
max. RCF ²⁾ upper/lower	3,572 / 4,637	4,637	4,495													
radius in mm upper/lower	151 / 196	196	190													
run-up in sec	90															
run-down in sec, braked	95															
temperature in °C ¹⁾	+4															

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

¹³⁾ The screw cap for tube No. 0538 is available with Cat. No. 0539. Dimensions with cap 38 x 106 mm.



carrier 5620-A with lid 5621
and adapter 4839

Swing-out rotor 5699

capacity in ml	100	250	1.1–1.4	2.6–3.4	2.6–3.4	2.7–3	4–5.5	4.5–5	4.9	4.9	7.5–8.5	9–10	9–10	10	1.6–5
Ø x L in mm	44x100	65x115	8x66	13x65	13x65	11 x66	15x75	11x92	13x90	13x90	15x92	16x92	16x92	15x102	13x75
Cat. No.	0526 ²⁾	0530 ²⁾	blood collection/urine tubes												
lid with bio-containment ⁵⁾ Cat. No. 5621  carrier Cat. No. 5620-A 															
															
Cat. No.	4837	4838	4830	4847	4832	4833	4832	4847 ⁴⁾	4833	4848	4833	4847			
boring Ø x L in mm	46x84	66x80	11x84	13.2x61	13.5x84	17.5x84	13.5x84	13.2x61	17.5x84	17.5x61	17.5x84	13.2x61			
tubes per rotor	8	4	96	108	76					108	76	88	76	108	
max. RCF ²⁾	4,637	4,495	4,637	4,116	4,637					4,684	4,637	4,684	4,637	4,116	
radius in mm	196	190	196	174	196					198	196	198	196	174	
run-up in sec	90														
run-down in sec, braked	95														
temperature in °C ¹⁾	+ 4														

capacity in ml	1.6–5	4–7	4–7	4–7	4–7	8	8.5–10	8.5–10	14	15	50	50	12	25	30
Ø x L in mm	13x75	13x100	13x100	16x75	16x75	16x125	16x100	16x100	16.5x106	17x120	29x115	29x115	17x100	25x90	25x110
Cat. No.	blood collection/urine tubes								-	0509	0513	0513	-		-
lid with bio-containment⁵⁾ Cat. No. 5621  carrier Cat. No. 5620-A															
															
Cat. No.	4832	4847 ⁴⁾	4832	4833	4848	4833		4848	4839 ⁴⁾	4839	5647	4840	4839 ⁴⁾	4834	
boring Ø x L in mm	13.5x84	13.2x61	13.5x84	17.5x84	17.5x61	17.5x84		17.5x61	17x80		30x96.5	30x80	17x80	26.5x84	
tubes per rotor	76	108	76	76	88	76		88	56		28	20	56	28	
max. RCF ²⁾	4,637	4,684	4,637	4,637	4,684	4,637		4,684	4,637		4,708	4,637			
radius in mm	196	198	196	196	198	196		198	196		199	196			
run-up in sec	90														
run-down in sec, braked	95														
temperature in °C ¹⁾	+4														

1) Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be reached 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) When using these tubes, carrier 5620-A cannot be closed with lid 5621.

4) Please remove the inserts.



illustrated with carriers 5620-A
and lids 5621
with bio-containment⁵⁾

Swing-out rotor 5699

capacity in ml	50	50	10	10	30	50	50	85	94	250	290	500	600	650	750
Ø x L in mm	29 x 115	29 x 115	16 x 80	16 x 80	26 x 95	29 x 107	29 x 107	38 x 106	38 x 102	61 x 122	62 x 137	96 x 147	93 x 134	97 x 139	97 x 152
Cat. No.	-	-	-	-	0545	0546	0546	0547	0538 ¹³⁾	5127 ²⁸⁾	- ²⁸⁾	Corning	0551 ²⁸⁾	0554 ²⁸⁾	0512 ²⁸⁾
lid with bio-containment ⁵⁾ Cat. No. 5621															
carrier Cat. No. 5620-A															
Cat. No.	5647 ⁴⁾	4840 ⁴⁾	4833	4848	4834	4840 ⁴⁾	5647 ⁴⁾	4836		4841		Adapter 4845 + support cushion 431124 (Corning)	4846	4845	
boring Ø x L in mm	30 x 96.5	30 x 80	17.5 x 84	17.5 x 61	26.5 x 84	30 x 80	30 x 96.5	42 x 80		62 x 100		98 x 100	94 x 95	98 x 100	
tubes per rotor	28	20	76	88	28	20	28	12				4			
max. RCF ²⁾	4,708	4,637	4,637	4,684	4,637	4,708	4,495					4,779			
radius in mm	199	196	196	198	196	199	190					202			
run-up in sec								90							
run-down in sec, braked								95							
temperature in °C ¹⁾								+4							

capacity in ml	450	750	30/50		40	160	200		
Ø x L in mm	97 x 113	96 x 135	-						
Cat. No.	4447	4234-A	Falcon®	Corning	Nunc®	Nunc®	Falcon®	Greiner	Nunc®
lid with bio-containment ⁵⁾ Cat. No. 5621  carrier Cat. No. 5620-A									
									
Cat. No.	4845	4849		4852	4851	4831			
boring Ø x L in mm	98 x 100	-							
tubes per rotor	4	4							
max. RCF ²⁾	4,779	4,613 ³¹⁾							
radius in mm	202	195							
run-up in sec	90								
run-down in sec, braked	95								
temperature in °C ¹⁾	+4								

Accommodated cell culture flasks:

30/50 ml
from Becton Dickinson, No. 353014
from Corning, No. 430168

40 ml
from Nunc, No. 156340

160 ml
from Nunc, No. 156472

200 ml
from Becton Dickinson, No. 353024
from Greiner, No. 658170
from Nunc, No. 153732 or 147589

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

¹³⁾ The screw cap for tube No. 0538 is available with Cat. No. 0539. Dimensions with cap 38 x 106 mm.

²⁸⁾ At temperatures of over + 40 °C and / or when not filled to capacity, bottles may warp during centrifugation.

³¹⁾ Please note that the RCF values indicated refer only to rotor performance.

The max. RCF for the accommodated cell culture flasks is 2,300.



illustrated with carriers 5620-A
and lids 5621
with bio-containment⁵⁾

Swing-out rotor 5699

capacity in ml	1.5	2.0	5	7	8	9	10	15	25	50	100	2.6–3.4	2.7–3	4–5.5	4.5–5
Ø x L in mm	11 x 38		12 x 75	12 x 100	16 x 81	14 x 100	17 x 70	17 x 100	24 x 100	34 x 100	44 x 100	13 x 65	11 x 66	15 x 75	11 x 92
Cat. No.	2078	0536	0553 ²⁾	0578 ²⁾	-	0500 ²⁾	2079	0518 ²⁾	0519 ²⁾	0521 ²⁾	0526 ²⁾	blood collection tubes			
lid with bio-containment⁵⁾ Cat. No. 5621   carrier Cat. No. 5623-A															
															
Cat. No.	4432		4433		4434				4438	4439	4442	4435	4433	4434	4433
boring Ø x L in mm	11.5 x 38		13 x 58		17.5 x 53				26 x 72	36 x 79	45 x 78	13.5 x 58	13 x 58	17.5 x 53	13 x 58
tubes per rotor	168		120		76				28	16	8	84	120	76	120
max. RCF ²⁾ upper/lower	3,407 / 4,542		4,471		4,637				4,353	4,424	4,400	4,471		4,637	4,471
radius in mm upper/lower	144 / 192		189		196				184	187	186	189		196	189
run-up in sec	90														
run-down in sec, braked	95														
temperature in °C ¹⁾	+4														

capacity in ml	4.9	7.5–8.5	9–10	10	1.6–5	4–7	4–7	8	8.5–10	10	15	50	25	30	50	50	
Ø x L in mm	13x90	15x92	16x92	15x102	13x75	13x100	16x75	16x125	16x100	16x80	17x120	29x115	25x90	25x110	29x115	29x107	
Cat. No.	blood collection/urine tubes										-	0509	0513	-	-	-	0546
lid with bio-containment ⁵⁾ Cat. No. 5621																	
 carrier Cat. No. 5623-A																	
Cat. No.	4435	4434			4435		4434			4469		4468	4438		4468 ⁴⁾	4468	
boring Ø x L in mm	13.5x58	17.5x53			13.5x58		17.5x53			17x93.1		31x96	26x72		31x96		
tubes per rotor	84	76			84		76			56		28	28		28		
max. RCF ²⁾	4,471	4,637			4,471		4,637			4,755		4,613	4,566		4,613		
radius in mm	189	196			189		196			201		195	193		195		
run-up in sec	90																
run-down in sec, braked	95																
temperature in °C ¹⁾	+4																

1) Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be reached 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) When using these tubes, carrier 5623-A cannot be closed with lid 5621.

4) Please remove the inserts.



illustrated with carriers 5620-A

Swing-out rotor 5699

capacity in ml	250	290	650	750	175	175	200	225	250	500
Ø x L in mm	61 x 122	62 x 137	97 x 139	97 x 152	61 x 118	62 x 144	60 x 130	61 x 137	60 x 162	96 x 147
Cat. No.	5127²⁸⁾	-²⁸⁾	0554²⁸⁾	0512²⁸⁾	Falcon®	Nalgene®	Nunc®	Falcon®	Corning	Corning
lid with bio-containment ⁵⁾ Cat. No. 5621										
carrier Cat. No. 5623-A										
Cat. No.	4443	4451	4451	4440	4430	4440	4430	4449	4449	4449
boring Ø x L in mm	62 x 92	98.4 x 116	98.4 x 116	-	-	-	-	-	-	-
tubes per rotor	4	4	4	4	4	4	4	4	4	4
max. RCF ²⁾	4,873	4,873	4,873	5,063	5,063	5,063	5,063	5,063	5,063	5,063
radius in mm	206	206	206	214	214	214	214	214	214	214
run-up in sec	90	90	90	90	90	90	90	90	90	90
run-down in sec, braked	95	95	95	95	95	95	95	95	95	95
temperature in °C ¹⁾	+4	+4	+4	+4	+4	+4	+4	+4	+4	+4

capacity in ml	450	750	450
Ø x L in mm	97 x 113	96 x 135	triplicate system without filter
Cat. No.	4447	4234-A	blood bags³²⁾
lid with bio-containment ⁵⁾ Cat. No. 5621			
carrier Cat. No. 5623-A			
Cat. No.	4451	-	-
boring Ø x L in mm	98.4 x 116	98.4 x 116	-
tubes per rotor	4	4	4
max. RCF ²⁾	5,063	5,063	5,063
radius in mm	214	214	214
run-up in sec	90	90	90
run-down in sec, braked	95	95	95
temperature in °C ¹⁾	+4	+4	+4

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

²⁸⁾ At temperatures of over + 40 °C and / or when not filled to capacity, bottles may warp during centrifugation.

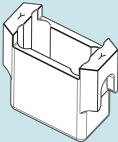
³²⁾ We recommend the use of the refrigerated ROTANTA 460 R, 460 RC and 460 RF to ensure that the temperature of the blood is maintained during centrifugation.

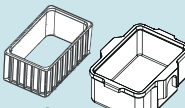


illustrated with carriers 5628
and adapters 6338-A

Swing-out rotor 5699

capacity in ml	450	
blood bags ³²⁾	triplicate system	quadruplicate system
Cat. No.	5693	5695
 carrier Cat. No. 5691-A	holder for systems without filter	holder for systems with or without filter
		
Cat. No.	5692	
boring Ø x L in mm	-	
blood bag systems per rotor	4	
max. RCF ²⁾	4,637	
radius in mm	196	
run-up in sec	90	
run-down in sec, braked	95	
temperature in °C ¹⁾	+11	

capacity in ml	-
L x W x H in mm	152.5 x 85.5 x 12
Cat. No.	-
 carrier Cat. No. 5636	TaqMan array
	
Cat. No.	5648
boring Ø x L in mm	-
arrays per rotor	12
max. RCF ²⁾	4,921
radius in mm	208
run-up in sec	90
run-down in sec, braked	95
temperature in °C ¹⁾	+4

capacity in ml	1.5	2.0	3	5	6	7	9	25	50	100	100	250
Ø x L in mm	11 x 38		10 x 60	12 x 75	12 x 82	12 x 100	14 x 100	24 x 100	34 x 100	44 x 100	40 x 115	65 x 115
Cat. No.	2078	0536	-	0553 ²⁾	0501 ²⁾	0578 ²⁾	0500 ²⁾	0519 ²⁾	0521 ²⁾	0526 ²⁾	0523 ²⁾	0530 ²⁾
(adaptable only without lid 5629) adaptable frame Cat. No. 5220-A  carrier Cat. No. 5628¹¹⁾												
	+ 5220-A 		+ 5220-A 	+ 5220-A 			+ 5220-A 	+ 5220-A 	+ 5220-A 	+ 5220-A 	+ 5220-A 	+ 5220-A
	Cat. No. ²²⁾	5281		5267	5268			5264	5242	5243	5262	5249
boring Ø x L in mm	11.5 x 50		11 x 44	13.5 x 52			16 x 50	26 x 86	36 x 86	45.5 x 86	42 x 86	66 x 87
tubes per rotor	128		160	96			96	40	16	8		4
max. RCF ²⁾	4,164		4,069	4,164			4,116	4,093		4,069		4,045
radius in mm	176		172	176			174	173		172		171
run-up in sec	90											
run-down in sec, braked	95											
temperature in °C ¹⁾	+ 4											

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

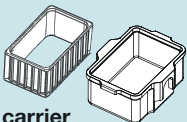
²⁾ Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote ²⁾ is 4,000.

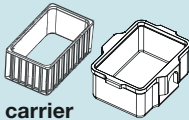
⁴⁾ Please remove the inserts.



illustrated with carriers 5628,
adapting frame 5220-A and
adapters 5258

Swing-out rotor 5699

capacity in ml	1.1–1.4	2.6–3.4	2.7–3	4–5.5	4.5–5	4.9	7.5–8.5	9–10	1.6–5	4–7	4–7	8.5–10
Ø x L in mm	8x66	13x65	11x66	15x75	11x92	13x90	15x92	16x92	13x75	16x75	13x100	16x100
Cat. No.	blood collection/urine tubes											
(adaptable only without lid 5629) adapting frame Cat. No. 5220-A  carrier Cat. No. 5628¹¹⁾												
												
Cat. No. ²²⁾	5267	5268	5227	5264	5227	5268	5264	5258	5268	5264	5268	5258
boring Ø x L in mm	11x44	13.5x52	12.5x42	16x50	12.5x42	13.5x52	16x50	17.6x86	13.5x52	16x50	13.5x 52	17.6x86
tubes per rotor	160	96	160	96	160	96	96	88	96		88	
max. RCF ²⁾	4,069	4,164	4,116			4,164	4,116	4,093	4,164	4,116	4,164	4,093
radius in mm	172	176	174			176	174	173	176	174	176	173
run-up in sec	90											
run-down in sec, braked	95											
temperature in °C ¹⁾	+ 4											

capacity in ml	15	30	50	50	250	two-tier frame for cyto accessories
Ø x L in mm	17 x 120	25 x 110	29 x 115	29 x 115	61 x 122	
Cat. No.	0509	-	0513	-	5127 ⁽²⁸⁾	cyto chambers ⁽²³⁾
(adaptable only without lid 5629) adapting frame Cat. No. 5220-A						
carrier Cat. No. 5628 ⁽¹¹⁾		+ 5220-A 			+ 5220-A + 6319 	+ 5220-A 
Cat. No. ⁽²²⁾	6337-A	5266 ⁽⁴⁾	6338-A	6339-A	5263-A ⁽⁴⁾	5280
boring Ø x L in mm	17x90	26x86	30x90	30x87	66x87	-
tubes per rotor	56	40	24	24	4	16
max. RCF ⁽²⁾ upper/lower	4,258	4,187	4,258	4,187		2,744 / 4,069
radius in mm upper/lower	180	177	180	177		116 / 172
run-up in sec	90					
run-down in sec, braked	95					
temperature in °C ⁽¹⁾	+ 4					

For detailed information on the comprehensive Hettich cyto system please turn to the pages 156–158.



Carrier 5628, adapting frame 5220-A and adapters 5258



Carrier 5628 and adapter 6338-A

¹¹⁾ Please make sure not to exceed the max. permissible loading weight of 800g of carrier 5628. The loading weight is the sum of the weight of the respective adapters, of frame 5220-A (where required), the tubes, and their contents.

²²⁾ With the exception of adapters 5263-A, 6337-A, 6338-A and 6339-A, two of these adapters need to be placed into carrier 5628.

²³⁾ Please ask for our detailed cyto brochure.

²⁸⁾ At temperatures of over + 40 °C and / or when not filled to capacity, bottles may warp during centrifugation.

³²⁾ We recommend the use of the refrigerated ROTANTA 460 R, 460 RC and 460 RF to ensure that the temperature of the blood is maintained during centrifugation.



illustrated with carriers 5628
and lids 5629
with bio-containment⁵⁾
and removal frame 4626

Swing-out rotor Cat. No. (without carriers) 5699

D x W x H in mm	86 x 128 x 15	86 x 128 x 17.5	86 x 128 x 22	86 x 128 x 44.5	86 x 128 x 46	86 x 128 x 83	59 x 84 x 11	82 x 124 x 20	-
capacity in ml	-								0.2
Cat. No.	MTP		CP	DWP	MS	QP	Microtest plate (Terasaki)	PCR plate, 96 wells	PCR strips
lid with bio-containment ⁵⁾ Cat. No. 5629									
carrier Cat. No. 5628 ¹⁾									
Cat. No.	4626							4626 + 1485	
boring Ø x L in mm	-								
plates/strips per rotor	24	20	16	4	4	4	8	4	48 x 8
max. RCF ²⁾	4,211								
radius in mm	max. 178								
run-up in sec	90								
run-down in sec, braked	95								
temperature in °C ¹⁾	+ 4								

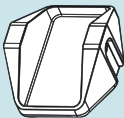
¹⁾ Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be reached by reducing the speed.

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.



illustrated with carriers 5630-B
and removal frame 4626

Swing-out rotor 5699

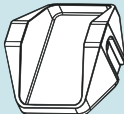
capacity in ml	40	160	200		
L x W x H in mm	-				
Cat. No.	Nunc®	Nunc®	Falcon®	Greiner	Nunc®
 carrier Cat. No. 5630-B					
					
Cat. No.	5672	5673	5671		
boring Ø x L in mm	-				
flasks per rotor	4				
max. RCF ²⁾	3,785 ³¹⁾				
radius in mm	160				
run-up in sec	90				
run-down in sec, braked	95				
temperature in °C ¹⁾	+4				

Accommodated cell culture flasks:

40 ml
from Nunc, No. 156340 or 156367

160 ml
from Nunc, No. 156472 or 156499

200 ml
from Becton Dickinson, No. 353024
from Greiner, No. 658170
from Nunc, No. 153732 or 147589

L x W x H in mm	86x128x15	86x128x17.5	86x128x22	86x128x44.5	86x128x46	86x128x83	59x84x11	82x124x20	-
capacity in ml	-								0.2
Cat. No.	MTP		CP	DWP	MS	QP	Microtest plate (Terasaki)	PCR plate, 96 wells	PCR strips
 carrier Cat. No. 5630-B									
									
Cat. No.	4626							4626 + 1485	
boring Ø x L in mm	-								
flasks per rotor	20	16	12	4	4	4	8	4	48 x 8
max. RCF ²⁾	3,832								
radius in mm	max. 162								
run-up in sec	90								
run-down in sec, braked	95								
temperature in °C ¹⁾	+4								

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

¹⁾ Please make sure not to exceed the max. permissible loading weight of 800g of carrier 5628. The loading weight is the sum of the weight of the respective adapters, of frame 5220-A (where required), the tubes, and their contents.

³⁾ Please note that the RCF values indicated refer only to rotor performance. The max. RCF for the accommodated cell culture flasks is 2,300.