



# ROTIXA 500 RS

## Best for high sample throughput

ROTIXA has become a synonym for high sample throughput. This is why the ROTIXA models are the centrifuges of choice for medical routine laboratories, as well as research and quality

control laboratories in the life science industry. ROTIXA centrifuges feature the extended S control panel.



TECHNOLOGY	ROTIXA 500 RS <sup>&gt;</sup>	
Floorstanding centrifuge, without rotor	cooled	
Power supply <sup>1)</sup>	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 (speed)	11,500 min <sup>-1</sup>	
Max. RCF	18,038	
Running time	1 sec – 999 min : 59 sec, ∞ continuous run	
Dimensions (H x W x D)	973 x 650 x 814 mm	
Weight	approx. 219 kg	
<b>Refrigeration</b>		
Temperature control, infinitely variable	from -20 to +40 °C	
<b>Cat. No.</b>	<b>4950</b>	

<sup>1)</sup> Other voltages on request.

<sup>></sup> For a list of further versions of this model, please refer to page 12.

## Swing-out rotor, 4-place



illustrated with carriers 4295-A  
and lids 4229-B

∠ 90° n = 4,500 min<sup>-1</sup> max. RCF 5,252

**Cat. No. (without carriers) 4294**

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		10x88	12x75	12x82	12x100	14x100	16x101	17x100	24x100	34x100	38x102	40x115
<b>Cat. No.</b>	-	<b>2078</b>	<b>0536</b>	-	<b>0553<sup>2)</sup></b>	<b>0501<sup>2)</sup></b>	<b>0578<sup>2)</sup></b>	<b>0500<sup>2)</sup></b>	-	<b>0518<sup>2)</sup></b>	<b>0519<sup>2)</sup></b>	<b>0521<sup>2)</sup></b>	<b>0549</b>	<b>0523<sup>2)</sup></b>
lid Cat. No. 4229-B														
<b>carrier</b> Cat. No. 4295-A														
<b>Cat. No.</b>	<b>4226</b>	<b>4225</b>	<b>4224</b>	<b>4213-93</b>	<b>4213</b>	<b>4223</b>	<b>4214</b>	<b>4215</b>	<b>4216</b>	<b>4218</b>				
boring Ø x L in mm	8.2x36	11.2x46	11x74	12.5x36	12.5x74	16x74	17.5x74	26x74	35x74	41.5x74				
tubes per rotor	312	336	252	192	192	100	120	44	24	16				
max. RCF <sup>2)</sup> upper / lower	4,777	3,690 / 4,867		4,777										
radius in mm upper / lower	211	163 / 215		211										
run-up in sec								115						
run-down in sec, braked								116						
temperature in °C <sup>1)</sup>								+6						

capacity in ml	2.6-3.4	2.7-3	4-5.5	4.5-5	7.5-8.5	9-10	10	1.6-5	4-7	4-7	8	8.5-10
Ø x L in mm	13x65	11x66	15x75	11x92	15x92	16x92	15x102	13x75	13x100	16x75	16x125	16x100
<b>Cat. No.</b>	<b>blood collection / urine tubes</b>											
lid Cat. No. 4229-B												
<b>carrier</b> Cat. No. 4295-A												
<b>Cat. No.</b>	<b>4222-93</b>	<b>4213-93</b>	<b>4214-93</b>	<b>4213</b>	<b>4214</b>	<b>4220</b>	<b>4214</b>	<b>4222-93</b>	<b>4222</b>	<b>4214-93</b>	<b>4223</b>	<b>4214</b>
boring Ø x L in mm	13.2x36	12.5x36	17.5x36	12.5x74	17.5x74	17.5x74	17.5x74	13.2x36	13.2x74	17.5x36	16x74	17.5x74
tubes per rotor	120	192	120	192	120	64	120	100	120	120	100	120
max. RCF <sup>2)</sup>	4,777											
radius in mm	211											
run-up in sec	115											
run-down in sec, braked	116											
temperature in °C <sup>1)</sup>	+6											



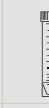























1) Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be attained by reducing the speed.  
 2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote <sup>2)</sup> is 4,000.  
 3) When using these tubes, carrier 4295-A cannot be closed with lid 4229-B.







# ROTORS

## Swing-out rotor 4294



illustrated with  
carriers 4295-A

capacity in ml	15	50	12	25	30	50	85	94	250	290	600	650	750
Ø x L in mm	17x120	29x115	17x100	25x90	25x110	29x115	38x106	38x102	61x122	62x137	93x134	97x139	97x152
<b>Cat. No.</b>	<b>0509</b>	<b>0513</b>	-	-	-	-	<b>0547</b>	<b>0538</b> <sup>13)</sup>	<b>5127</b> <sup>28)</sup>	- <sup>28)</sup>	<b>0551</b> <sup>28)</sup>	<b>0554</b> <sup>28)</sup>	<b>0512</b> <sup>28)</sup>
lid Cat. No. 4229-B													
<b>carrier</b> Cat. No. 4295-A													
<b>Cat. No.</b>	<b>4232</b>	<b>4245-A</b>	<b>4220</b>	<b>4241</b>	<b>4215</b>	<b>4249</b>	<b>4218</b>	<b>4238</b>	<b>4233</b>	<b>4258</b>			
boring Ø x L in mm	17x70	30x70	17.5x74	26x73	26x74	30x96	41.5x74	62x90	94x105	97.5x105			
tubes per rotor	92	32	64	32	44	24	16	4					
max. RCF <sup>2)</sup>	4,958		4,777			4,867	4,777		4,958				
radius in mm	219		211			215	211		219				
run-up in sec							115						
run-down in sec, braked							116						
temperature in °C <sup>1)</sup>							+6						

capacity in ml	750	250	500
Ø x L in mm	96 x 135	60 x 162	96 x 147
<b>Cat. No.</b>	<b>4234-A</b>	<b>Corning®</b>	<b>Corning®</b>
lid Cat. No. 4229-B			
<b>carrier</b> Cat. No. 4295-A			
<b>Cat. No.</b>	<b>4258</b>	<b>6322</b>	<b>4258</b>
boring Ø x L in mm	97.5 x 105	61 x 125	97.5 x 105
tubes per rotor	4		
max. RCF <sup>2)</sup>	4,958	4,777	4,958
radius in mm	219	211	219
run-up in sec	115		
run-down in sec, braked	116		
temperature in °C <sup>1)</sup>	+6		

<sup>1)</sup> Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be attained by reducing the speed.  
<sup>2)</sup> 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 <sup>2)</sup> is 4,000.  
<sup>3)</sup> When using these tubes, carrier 4295-A cannot be closed with lid 4229-B.

## Swing-out rotor 4294



illustrated with  
carriers 4290

capacity in ml	5	6	7	9	12	15	2.6 - 3.4	4.9	4-5.5	7.5 - 8.5	9 - 10	10
Ø x L in mm	12 x 75	12 x 82	12 x 100	14 x 100	16 x 101	17 x 100	13 x 65	13 x 90	15 x 75	15 x 92	16 x 92	15 x 102
<b>Cat. No.</b>	<b>0553<sup>2)</sup></b>	<b>0501<sup>2)</sup></b>	<b>0578<sup>2)</sup></b>	<b>0500<sup>2)</sup></b>	-	<b>0518<sup>2)</sup></b>	<b>blood collection / urine tubes</b>					
lid with bio-containment <sup>5)</sup> <b>Cat. No. 4291</b>												
<b>carrier</b> <b>Cat. No. 4290</b>												
<b>Cat. No.</b>	<b>4273</b>		<b>4338</b>			<b>4273</b>		<b>4338</b>		<b>4311</b>		
boring Ø x L in mm	13.2 x 57		17.5 x 62			13.2 x 57		17.5 x 62		17.5 x 63		
tubes per rotor	200		168			200		168		132		
max. RCF <sup>2)</sup>	4,551		4,551			4,551		4,551		4,573		
radius in mm	201		201			201		201		202		
run-up in sec							115					
run-down in sec, braked							116					
temperature in °C <sup>1)</sup>							+ 2					

capacity in ml	1.6-5	4-7	4-7	8.5-10	10	12	15	15	50	50	50	50		
Ø x L in mm	13 x 75	13 x 100	16 x 75	16 x 100	16 x 80	17 x 100	17 x 120	17 x 120	29 x 115	29 x 115	29 x 115	29 x 115		
<b>Cat. No.</b>	<b>blood collection / urine tubes</b>						-	-	<b>0509</b>	<b>0509</b>	<b>0513</b>	<b>0513</b>	-	-
lid with bio-containment <sup>5)</sup> <b>Cat. No. 4291</b>														
<b>carrier</b> <b>Cat. No. 4290</b>														
<b>Cat. No.</b>	<b>4273</b>		<b>4338</b>			<b>4310</b>	<b>4314</b>	<b>4320<sup>3)</sup></b>	<b>4321</b>	<b>4323<sup>3)</sup></b>	<b>4313</b>	<b>4339<sup>3)</sup></b>		
boring Ø x L in mm	13.2 x 57		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	200		168			112	68	112	32	40	32	40		
max. RCF <sup>2)</sup>	4,551		4,551			4,437	4,618	4,618	4,618	4,618	4,528	4,528		
radius in mm	201		201			196	204	204	204	204	200	200		
run-up in sec							115							
run-down in sec, braked							116							
temperature in °C <sup>1)</sup>							+ 2							

<sup>3)</sup> When using these adapters, carrier 4290 cannot be closed with lid 4291.

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

<sup>13)</sup> The screw cap for tube No. 0538 is available with Cat. No. 0539. Dimensions with cap 38 x 110 mm.

# ROTORS

## Swing-out rotor 4294



Carrier 4280, illustrated with Deep Well Plates and removal aid 4279

D x W x H in mm	86x128x15	86x128x17.5	86x128x22	86x128x44.5	86x128x46	86x128x83	82x124x20	-
Cat. No.	<b>MTP</b>		<b>CP</b>	<b>DWP</b>	<b>MS</b>	<b>QP</b>	<b>PCR plate 96 wells</b>	<b>PCR strips</b>
lid with bio-containment <sup>5)</sup> Cat. No. 5629								
<b>carrier</b> Cat. No. 4280								
Cat. No.	<b>4279</b>						<b>4279 + 1485</b>	
boring Ø x L in mm	-							
plates / strips per rotor	24		20	8		4		48x8
max. RCF <sup>2)</sup>	4,573							
radius in mm	202							
run-up in sec	115							
run-down in sec, braked	116							
temperature in °C <sup>1)</sup>	+5							

D x W x H in mm	86x128x15	86x128x17.5	86x128x22	86x128x44.5	86x128x46	18x164x46	82x124x20	-
Cat. No.	<b>MTP</b>		<b>CP</b>	<b>DWP</b>	<b>MS</b>	<b>LKB racks</b>	<b>PCR plate 96 wells</b>	<b>PCR strips</b>
<b>carrier</b> Cat. No. 4299-N								
Cat. No.	<b>4236</b>					<b>-</b>	<b>4236 + 1485</b>	
boring Ø x L in mm	-							
plates / strips per rotor	16		8	4		16	4	48x8
max. RCF <sup>2)</sup>			3,939			4,120	3,939	
radius in mm			174			182	174	
run-up in sec	115							
run-down in sec, braked	116							
temperature in °C <sup>1)</sup>	+4							

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

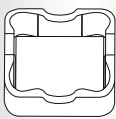


<sup>2)</sup> Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote <sup>2)</sup> is 4,000.












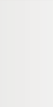


<sup>3)</sup> When using these tubes, bucket 4255 cannot be closed with its lid.

## Swing-out rotor 4294





























Carrier 4254, illustrated with bucket 4255 with lid

D x W x H in mm	20x118x70
<b>Hitachi Racks</b>	
<b>Cat. No.</b>	-
	
<b>carrier</b> Cat. No. <b>4257</b>	
<b>Cat. No.</b>	<b>4259-A<sup>26)</sup></b>
boring Ø x L in mm	-
racks per rotor	20
max. RCF <sup>2)</sup>	4,867
radius in mm	215
run-up in sec	115
run-down in sec, braked	116
temperature in °C <sup>1)</sup>	+7

capacity in ml	5	7	9	15	25	50	100
Ø x L in mm	12x75	12x100	14x100	17x100	24x100	34x100	44x100
<b>Cat. No.</b>	<b>0553<sup>2)</sup></b>	<b>0578<sup>2)</sup></b>	<b>0500<sup>2)</sup></b>	<b>0518<sup>2)</sup></b>	<b>0519<sup>2)</sup></b>	<b>0521<sup>2)</sup></b>	<b>0526<sup>2)</sup></b>
bucket Cat. No. <b>4255</b>							
<b>carrier</b> Cat. No. <b>4254</b>							
<b>Cat. No.</b>	<b>4433</b>	<b>4434</b>	<b>4438</b>	<b>4439</b>	<b>4442</b>		
boring Ø x L in mm	13x58	17.5x53	26x72	36x79	45x78		
tubes per rotor	120	76	28	16	8		
max. RCF <sup>2)</sup>	4,618	4,777	4,505	4,573	4,551		
radius in mm	204	211	199	202	201		
run-up in sec	115						
run-down in sec, braked	116						
temperature in °C <sup>1)</sup>	+5						

capacity in ml	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	8.5–10
Ø x L in mm	13x65	11x66	15x75	11x92	13x90	15x92	16x92	15x102	13x75	13x100	16x75	16x125	16x100







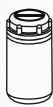











<b>Cat. No.</b>	<b>blood collection / urine tubes</b>												
bucket Cat. No. <b>4255</b>													
<b>carrier</b> Cat. No. <b>4254</b>													
<b>Cat. No.</b>	<b>4435</b>	<b>4433</b>	<b>4434</b>	<b>4433</b>	<b>4435</b>	<b>4434</b>	<b>4435</b>	<b>4434</b>	<b>4435</b>	<b>4434</b>			
boring Ø x L in mm	13.5x58	13x58	17.5x53	13x58	13.5x58	17.5x53	13.5x58	17.5x53	13.5x58	17.5x53			
tubes per rotor	84	120	76	120	84	76	84	76	84	76			
max. RCF <sup>2)</sup>	4,618		4,777	4,618		4,777	4,618		4,777				
radius in mm	204		211	204		211	204		211				
run-up in sec	115												
run-down in sec, braked	116												
temperature in °C <sup>1)</sup>	+5												













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

<sup>26)</sup> When using removal frame 4259-A, please take the insert out of carrier 4257.

# ROTORS

## Swing-out rotor 4294

capacity in ml	15	30	50	25	30	10	250	290	650	750	1,000	1,000
Ø x L in mm	17x120	25x110	29x115	25x90	25x110	16x80	61x122	62x137	97x139	97x152	96x176	98x138
<b>Cat. No.</b>	<b>0509</b>	-	<b>0513</b>	-	-	-	<b>5127<sup>2B)</sup></b>	- <sup>2B)</sup>	<b>0554<sup>2B)</sup></b>	<b>0512<sup>2B)</sup></b>	<b>4239<sup>2B)</sup></b>	<b>4255</b>
bucket Cat. No. <b>4255</b>												
<b>carrier</b> Cat. No. <b>4254</b>												
<b>Cat. No.</b>	<b>4437</b>	<b>4438</b>	<b>4441</b>	<b>4438</b>	<b>4434</b>	<b>4443</b>	-		-			
boring Ø x L in mm	17x88	26x72	30x87	26x72	17.5x53	62x92	98x138		-			
tubes per rotor	48	28	20	28	76	4						
max. RCF <sup>2)</sup>	4,890	4,709	4,890	4,709	4,777	5,003	5,184					
radius in mm	216	208	216	208	211	221	229					
run-up in sec							115					
run-down in sec, braked							116					
temperature in °C <sup>1)</sup>							+5					

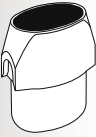

capacity in ml	175	175	200	225	250	500
Ø x L in mm	61 x 118	62 x 144	60 x 130	61 x 137	60 x 162	96 x 147
<b>Cat. No.</b>	<b>Falcon®</b>	<b>Nalgene®</b>	<b>Nunc®</b>	<b>Falcon®</b>	<b>Corning®</b>	
bucket Cat. No. <b>4255</b>						
<b>carrier</b> Cat. No. <b>4254</b>						
<b>Cat. No.</b>	<b>4440</b>	<b>4430</b>	<b>4440</b>	<b>4430</b>	<b>4449</b>	
boring Ø x L in mm	-					
tubes per rotor	4					
max. RCF <sup>2)</sup>	5,184					
radius in mm	229					
run-up in sec	115					
run-down in sec, braked	116					
temperature in °C <sup>1)</sup>	+5					



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 <sup>2)</sup> is 4,000.  
 3) When using these tubes, carrier 4255 cannot be closed with its lid.

## Swing-out rotor 4294



illustrated with carriers 4298-A  
and inserts 4237-A

capacity in ml	450	500
<b>blood bags</b>	<b>triple</b>	
<b>Cat. No.</b>	-	-
		
<b>carrier</b> Cat. No. <b>4293</b>		
<b>Cat. No.</b>	<b>4244-A</b>	
boring Ø x L in mm	-	
blood bag systems per rotor	4	
max. RCF	5,252	
radius in mm	232	
run-up in sec	115	
run-down in sec, braked	116	
temperature in °C <sup>1)</sup>	+2	

capacity in ml	450	500	750	1,000
<b>blood bags</b>	<b>quadruple</b>		<b>single</b>	<b>single</b>
<b>Cat. No.</b>	-		-	-
				
<b>carrier</b> Cat. No. <b>4298-A</b>				
<b>Cat. No.</b>	<b>4237-A</b>		-	
boring Ø x L in mm	-		-	
blood bag systems per rotor	4		4	
max. RCF	5,003		5,071	
radius in mm	221		224	
run-up in sec	115		115	
run-down in sec, braked	116		116	
temperature in °C <sup>1)</sup>	+3		+3	



### HettLiner

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

**Cat. No. 4564**



### Set of balancing weights

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

**Cat. No. 4566**

<sup>2)</sup> At temperatures of over +40 °C and / or when not filled to capacity, bottles may warp during centrifugation.



# ROTORS

Swing-out rotor, 6-place



illustrated with carriers 5051  
and lids 5053

∠ 90° n = 4,000 min<sup>-1</sup> max. RCF 3,631

**Cat. No. (without carriers) 4296**

capacity in ml	1.5	2.0	1.5	2.0	5	6	7	9	15	25	50	100	100	two-tier frame for cyto accessories
Ø x L in mm	11x38		11x38		12x75	12x82	12x100	14x100	17x100	24x100	34x100	44x100	40x115	
<b>Cat. No.</b>	-	-	<b>2078</b>	<b>0536</b>	<b>0553<sup>2)</sup></b>	<b>0501<sup>2)</sup></b>	<b>0578<sup>2)</sup></b>	<b>0500<sup>2)</sup></b>	<b>0518<sup>2)</sup></b>	<b>0519<sup>2)</sup></b>	<b>0521<sup>2)</sup></b>	<b>0526<sup>2)</sup></b>	<b>0523<sup>2)</sup></b>	<b>cyto chambers</b>
lid Cat. No. <b>5053</b>														
<b>carrier</b> Cat. No. <b>5051</b>														
<b>Cat. No.</b>	<b>5257</b>	<b>5281</b>	<b>5227</b>	<b>5247<sup>18)</sup></b>	<b>5264</b>	<b>5248<sup>18)</sup></b>	<b>5242</b>	<b>5243</b>	<b>5262</b>	<b>5249</b>	<b>5280</b>			
boring Ø x L in mm	12.5x42	11.5x50	12.5x42	12.5x86	16x50	17.5x86	26x86	36x86	45.5x86	42x86	-			
tubes per rotor	240	96	120	120	72	72	30	12	6	6	12			
max. RCF <sup>2)</sup> oben/unten	2,486/3,363	3,363	3,309	3,291	3,309	3,291	3,291	3,291	3,291	3,291	2,290/3,274			
radius in mm oben/unten	139/188	188	185	184	185	184	184	184	184	184	128/183			
run-up in sec												33		
run-down in sec, braked												50		
temperature in °C <sup>1)</sup>												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	10	1.6–5	4–7	4–7	8.5–10	15	50		
Ø x L in mm	8x66	13x65	11x66	15x75	11x92	13x90	15x92	16x92	15x102	13x75	13x100	16x75	16x100	17x120	29x115		
<b>Cat. No.</b>	<b>blood collection / urine tubes</b>													<b>0509</b>	<b>0513</b>		
lid Cat. No. <b>5053</b>																	
<b>carrier</b> Cat. No. <b>5051</b>																	
<b>Cat. No.</b>	<b>5267</b>	<b>5268</b>	<b>5227</b>	<b>5264</b>	<b>5227</b>	<b>5268</b>	<b>5264</b>	<b>5258</b>	<b>5268</b>	<b>6301</b>	<b>5264</b>	<b>5248</b>	<b>6306</b>	<b>5259</b>			
boring Ø x L in mm	11x44	13.5x52	12.5x42	16x50	12.5x42	13.5x52	16x50	17.6x86	13.5x52	13.5x86	16x50	17.5x86	17x90	30x86			
tubes per rotor	120	72	120	72	120	72	66	72	72	72	72	42	12				
max. RCF <sup>2)</sup>	3,274	3,345	3,309	3,309	3,309	3,345	3,309	3,291	3,345	3,291	3,309	3,291	3,434	3,363			
radius in mm	183	187	185	185	185	187	185	184	187	184	185	184	192	188			
run-up in sec															33		
run-down in sec, braked															50		
temperature in °C <sup>1)</sup>															0		

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

<sup>2)</sup> 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 <sup>2)</sup> is 4,000.

<sup>3)</sup> When using these tubes, carrier 5051 resp. 5092 cannot be closed with its lid 5053 resp. 5093.

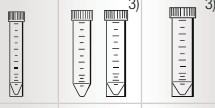

## Swing-out rotor 4296





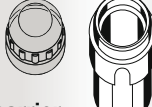
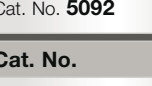
illustrated with  
carriers 5051



illustrated with carriers 5092  
and lids 5093  
with bio-containment<sup>5)</sup>

capacity in ml	12	30	50
Ø x L in mm	17x100	25x110	29x115
<b>Cat. No.</b>	-		
lid Cat. No. 5053			
<b>carrier</b> Cat. No. 5051			
<b>Cat. No.</b>	<b>6306</b>	<b>5266</b>	<b>5243</b>
boring Ø x L in mm	17x90	26x86	36x86
tubes per rotor	42	30	12
max. RCF <sup>2)</sup>	3,434	3,291	
radius in mm	192	184	
run-up in sec	33		
run-down in sec, braked	50		
temperature in °C <sup>1)</sup>	0		

capacity in ml	5	6	7	15	25	50	100	100
Ø x L in mm	12x75	12x82	12x100	17x100	24x100	34x100	44x100	40x115
<b>Cat. No.</b>	<b>0553<sup>2)</sup></b>	<b>0501<sup>2)</sup></b>	<b>0578<sup>2)</sup></b>	<b>0518<sup>2)</sup></b>	<b>0519<sup>2)</sup></b>	<b>0521<sup>2)</sup></b>	<b>0526<sup>2)</sup></b>	<b>0523<sup>2)</sup></b>
lid with bio-containment <sup>5)</sup> Cat. No. 5093								
<b>carrier</b> Cat. No. 5092								
<b>Cat. No.</b>	<b>5128</b>	<b>5120</b>	<b>5136</b>	<b>5122</b>	<b>5124</b>	<b>5125</b>	<b>5126</b>	
boring Ø x L in mm	12.8x45	12.8x82	17.5x60.7	25.5x82	35.5x82.5	45.5x85	42x85	
tubes per rotor	72		48	24	6			
max. RCF <sup>2)</sup>	3,542		3,488	3,434	3,488			
radius in mm	198		195	192	195			
run-up in sec	33							
run-down in sec, braked	50							
temperature in °C <sup>1)</sup>	-2							

























capacity in ml	250	1.1–1.4	1.1–1.4	2.6–3.4	2.7–3	2.7–3	4.5–5	4–5.5	4.9	7.5–8.5	9–10	10	1.6–5
Ø x L in mm	65x115	8x66	8x66	13x65	11x66	11x66	11x92	15x75	13x90	15x92	16x92	15x102	13x75
<b>Cat. No.</b>	<b>0530<sup>2)</sup></b>	<b>blood collection / urine tubes</b>											
lid with bio-containment <sup>5)</sup> Cat. No. 5093													
<b>carrier</b> Cat. No. 5092													
<b>Cat. No.</b>	<b>1791</b>	<b>5137</b>	<b>5138</b>	<b>5138</b>	<b>5137</b>	<b>5138</b>	<b>5120</b>	<b>5136</b>	<b>5137</b>	<b>5136</b>		<b>5138</b>	
boring Ø x L in mm	66x103	13.5x60.7	12.8x54.5	12.8x54.5	13.5x60.7	12.8x54.5	12.8x82	17.5x60.7	13.5x60.7	17.5x60.7		12.8x54.5	
tubes per rotor	6	48	72		48	72				48		72	
max. RCF <sup>2)</sup>	3,631	3,488	3,077		3,488	3,077	3,542			3,488		3,077	
radius in mm	203	195	172		195	172	198			195		172	
run-up in sec	33												
run-down in sec, braked	50												
temperature in °C <sup>1)</sup>	-2												

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

<sup>18)</sup> With Cat. No. 5247-91 or 5248-91 these adapters can also be ordered with a decanting aid.

# ROTORS

## Swing-out rotor 4296

capacity in ml	4–7	4–7	8.5–10	8	15	50	25	30	50	10	250	290
Ø x L in mm	13x100	16x75	16x100	16x125	17x120	29x115	25x90	25x110	29x115	16x80	61x122	62x137
<b>Cat. No.</b>	<b>blood / urine tubes</b>				<b>0509</b>	<b>0513</b>	<b>-</b>				<b>5127<sup>2B)</sup></b>	<b>-<sup>2B)</sup></b>
lid with bio-containment <sup>3)</sup> Cat. No. <b>5093</b>												
<b>carrier</b> Cat. No. <b>5092</b>												
<b>Cat. No.</b>	<b>5120</b>	<b>5136</b>	<b>5121<sup>4)</sup></b>	<b>5129</b>	<b>5123</b>	<b>5134</b>	<b>5122</b>	<b>5135</b>	<b>5136</b>	<b>6319</b>		
boring Ø x L in mm	12.8x82	17.5x60.7	17.5x82	17x85	30x85	26x73	25.5x82	30x99	17.5x60.7	66x103		
tubes per rotor	72	48	42		12	18	24	12	48	6		
max. RCF <sup>2)</sup>	3,542	3,488	3,542	3,631	3,631	3,363	3,434	3,560	3,488	3,631		
radius in mm	198	195	198	203	203	188	192	199	195	203		
run-up in sec							33					
run-down in sec, braked							50					
temperature in °C <sup>1)</sup>							-2					

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

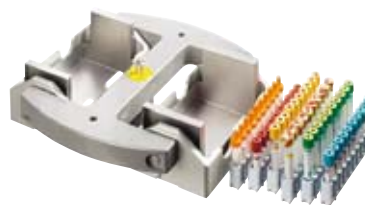
<sup>2)</sup> Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote <sup>2)</sup> is 4,000.

<sup>3)</sup> When using these tubes, carrier 5051 resp. 5092 cannot be closed with its lid 5053 resp. 5093.

## Swing-out rotor, 2-place

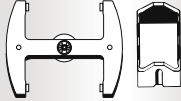

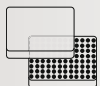










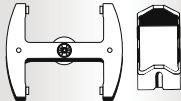


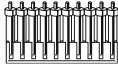





illustrated with carriers  
4285-A, adapters 4281  
and Deep Well Plates



illustrated with carriers  
4285-A, adapters 4283-B  
and Olympus racks

∠ 90° n = 3,600 min<sup>-1</sup> max. RCF 2,652  
**Cat. No. (without carriers) 4282**

D x W x H in mm	86x128x15	86x128x17.5	86x128x22	86x128x44.5	59x84x11	82x124x20	-
Cat. No.	MTP		CP	DWP	Microtest plate (Terasaki)	PCR plate 96 wells	PCR strips
carrier Cat. No. 4285-A 							
<b>rotor</b> Cat. No. 4282							
<b>Cat. No.</b>	<b>4281</b>					<b>4281 + 2 x 1485</b>	
boring Ø x L in mm	-						
plates / racks per rotor	16		12	4		48x8	
max. RCF <sup>2)</sup>	2,434						
radius in mm	168						
run-up in sec	87						
run-down in sec, braked	94						
temperature in °C <sup>1)</sup>	-2						

D x W x H in mm	20x176x41	20x118x70	25x193x60	110x210x44
Cat. No.	Olympus racks	Hitachi racks	Behring racks	rack, 50-place
carrier Cat. No. 4285-A 				
<b>rotor</b> Cat. No. 4282				
<b>Cat. No.</b>	<b>4283-B</b>	<b>4287-B</b>	<b>4288-A</b>	<b>4263-A</b>
boring Ø x L in mm	-			
plates / racks per rotor	12	20	10	2
max. RCF <sup>2)</sup>	2,652		2,579	
radius in mm	183		178	
run-up in sec	87			
run-down in sec, braked	94			
temperature in °C <sup>1)</sup>	-2			

<sup>4)</sup> Please remove the inserts.

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

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

# ROTORS

Angle rotor, 6-place



with bio-containment <sup>5)</sup>

∠ 25° n = 9,500 min<sup>-1</sup> max. RCF 14,025  
**Cat. No. 4266**

Angle rotor, 6-place



with bio-containment <sup>5)</sup>

∠ 45° n = 11,500 min<sup>-1</sup> max. RCF 18,038  
**Cat. No. 4246**

capacity in ml	15	25	94	15	50	10	30	50	85	94	250
Ø x L in mm	17x100	24x100	38x102	17 x 120	29 x 115	16x80	26x95	29x107	38x106	38x102	61x122
<b>Cat. No.</b>	<b>0518<sup>2)</sup></b>	<b>0519<sup>2)</sup></b>	<b>0549</b>	<b>0509</b>	<b>0513</b>	-	<b>0545</b>	<b>0546</b>	<b>0547</b>	<b>0538<sup>1,3)</sup></b>	<b>5127<sup>2B)</sup></b>
lid with bio-containment <sup>5)</sup> incl.											
<b>rotor</b> Cat. No. <b>4266</b>											
<b>Cat. No.</b>	<b>5646</b>	<b>5642</b>	<b>5644</b>	<b>5637</b>	<b>5638</b>	<b>5641</b>	<b>5642</b>	<b>5643</b>	<b>5644</b>	-	
boring Ø x L in mm	17.6x83	26x80	38.6x88	17 x 106	30 x 100	16.6x70	26x80	29x90	38.6x88	61.5x109	
tubes per rotor	42	18	6	30	6	48	18	6			
max. RCF <sup>2)</sup>	13,319	12,915	12,310	12,915	12,108	13,420	12,915	12,108	12,310	14,025	
radius in mm	132	128	122	128	120	133	128	120	122	139	
run-up in sec	82										
run-down in sec, braked	96										
temperature in °C <sup>1)</sup>	+2										

capacity in ml	0.5	1.5	2.0	3	15	25	50	94	7.5–8.5	9–10	10	8.5–10	5	15	50
Ø x L in mm	10.7x36	11x38		10x60	17x100	24x100	34x100	38x102	15x92	16x92	15x102	16x100	17x59	17x120	29x115
<b>Cat. No.</b>	<b>Pediatric</b>	<b>2078</b>	<b>0536</b>	-	<b>0518<sup>2)</sup></b>	<b>0519<sup>2)</sup></b>	<b>0521<sup>2)</sup></b>	<b>0549</b>	<b>blood collection / urine tubes</b>				-	<b>0509</b>	<b>0513</b>
lid with bio-containment <sup>5)</sup> incl.															
<b>rotor</b> Cat. No. <b>4246</b>															
<b>Cat. No.</b>	<b>1449</b>				<b>1451</b>	<b>1447</b>	<b>1463</b>	-	<b>1451</b>				<b>1476</b>	<b>1466</b>	<b>1454</b>
boring Ø x L in mm	11.4x39				17.5x92	26x85	35x89	38.2x89.6	17.5x92				17x51	17x106	29.8x97
tubes per rotor	24				6										
max. RCF <sup>2)</sup>	17,299				17,003	16,560	17,743	18,038	17,003				16,856	17,299	17,595
radius in mm	117				115	112	120	122	115				114	117	119
run-up in sec	66														
run-down in sec, braked	68														
temperature in °C <sup>1)</sup>	+4														







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 <sup>2)</sup> is 4,000.  
 5) Tested by the TÜV in conformity with DIN EN 61010, section 2 - 020.




### Angle rotor, 4246

### Angle rotor, 6-place, for Schlenk tubes



∠ 45° n = 2,000 min<sup>-1</sup> max. RCF 805  
**Cat. No. 4316<sup>34)</sup>**

capacity in ml	10	30	50	85	94
Ø x L in mm	16x80	26x95	29x107	38x106	38x102
<b>Cat. No.</b>	-	<b>0545</b>	<b>0546</b>	<b>0547</b>	<b>0538<sup>13)</sup></b>
lid with bio-containment <sup>5)</sup> incl.					
 <b>rotor</b> Cat. No. <b>4246</b>					
<b>Cat. No.</b>	<b>1448</b>	<b>1447</b>	<b>1446</b>	-	
boring Ø x L in mm	16.5x74	26x85	29x92	38.2x89.6	
tubes per rotor	12	6			
max. RCF <sup>2)</sup>	17,003	16,560	17,299	18,038	
radius in mm	115	112	117	122	
run-up in sec	66				
run-down in sec, braked	68				
temperature in °C <sup>1)</sup>	+4				

capacity in ml	25	50
Ø x L in mm	24 x 146.5	38 x 148.5
<b>Cat. No.</b>	<b>0532</b>	<b>0533</b>
 <b>rotor</b> Cat. No. <b>4316<sup>34)</sup></b>		
<b>Cat. No.</b>	<b>4317</b>	-
boring Ø x L in mm	25x86	-
tubes per rotor	6	
max. RCF <sup>2)</sup>	783	805
radius in mm	175	180
run-up in sec	16	
run-down in sec, braked	29	
temperature in °C <sup>1)</sup>	-10	

<sup>13)</sup> The screw cap for tube No. 0538 is available with Cat. No. 0539. Dimensions with cap 38 x 110 mm.

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

<sup>34)</sup> In the heatable model 4950-50, rotor 4316 may only be used up to a maximum of +40 °C.











# ROTOR

Swing-out rotor, 4-place, for ASTM tubes  
+ 50 ml Babcock bottles



illustrated with  
carriers 4275

∠ 90° n = 2,000 min<sup>-1</sup> max. RCF 984  
**Cat. No. (without carriers) 4274**

capacity in ml	50	100	100	100	50
Ø x L in mm	45x130	58x161	44x168	37x200	36.5x185
<b>Cat. No.</b>	<b>ASTM <sup>2)</sup></b>	<b>ASTM 0528 <sup>2)</sup></b>	<b>ASTM <sup>2)</sup></b>	<b>ASTM 0531 <sup>2)</sup></b>	<b>Babcock</b>
carrier Cat. No. <b>4275</b>					
<b>rotor</b> Cat. No. <b>4274</b>					
<b>Cat. No.</b>	<b>4278-A</b>	<b>0771</b>	<b>4277</b>	<b>4276-A</b>	<b>0703-A</b>
boring Ø x L in mm	-				
tubes per rotor	4				
max. RCF <sup>2)</sup>	984		961		912
radius in mm	220		215		204
run-up in sec	16				
run-down in sec, braked	38				
temperature in °C <sup>1)</sup>	-5				

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

<sup>2)</sup> 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 <sup>2)</sup> is 700.