

Swing-out rotor 01624,
4-place, illustrated with
carriers 01369
n= 4,000 min⁻¹,
max. RCF 2,665
max. cap. 4 x 100 ml.



Swing-out rotor,
No. 01624, 4-place,
n= 4,000 min⁻¹,
max. RCF 2,665
for max. 4 x 100 ml

capacity in ml	5	4-7	9	9	15	1,6 - 7	15	20	25	45	50
dimensions Ø x L mm	12/13x75	13 x 100	14 x 100	14 x 100	17 x 100	12/13x75 16 x 75	17 x 100	21 x 100	24 x 100	31 x 100	34 x 100
											
n=4,000 min ⁻¹ Cat.-No. 01624											
Cat.-No.	01372	01739	01370	01741	01369	01742	01742	01346	01745	01345	01746
tubes per rotor	68	28	20	40	16	28	28	8	8	4	4
RCF	2,164	2,451	2,308	2,415	2,308	2,325	2,415	2,361	2,451	2,361	2,451
radius in mm	121	137	129	135	129	130	137	132	137	132	137
run-up in sec. ²⁾	20	22		20		22		20			
run-down in sec. ²⁾						25					
temperature °C ¹⁾		- 17		- 15	- 17	- 15	- 15	- 15	- 15	- 17	- 15

1) Lowest attain-
able temperature
in the U-320 R at
max. speed.

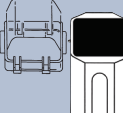
2) braked
run-down

Please take care
not to exceed the
tubes' max.
permissible RCF!

capacity in ml	1	3	1,6-7	4-10	9/15	25	30	50	50	85	100	15	50	1,6 - 7	4 - 10
dimensions Ø x L mm	6 x 45 Rhesus	10 x 60	13 x 75/100	16x75/100	14/17 x 100	24 x 100	26 x 95	29 x 107	34 x 100	38 x 106	44 x 100	17 x 120	29 x 115	13x75/100	16x75/100
															
Cat.-No. 01481															
Cat.-No.	01339	01343	01383	01348	01329	01330	04417	04416	01331	01396	00761	01347	01384	01383	01348
tubes per rotor	108	36	20	16	16	4	4	4	4	4	4	4	4	20	16
RCF	2,594	2,630	2,558	2,522	2,540	2,433	2,451	2,630	2,415	2,612	2,558	2,665	2,665	2,558	2,522
radius in mm	145	147	143	141	142	136	137	147	135	146	143	149	149	143	141
run-up in sec									20						
run-down in sec. ²⁾									25						
temperature °C ¹⁾									- 15						



Swing-out rotor, No. 01494
4-place,
n= 5,000 min⁻¹,
max. RCF 4,193
illustrated with buckets
01427

capacity ml	1.5/2.0	1	3	5	6	7	9	15	25	50	15	25	30	50
dimensions Ø x L mm	11 x 38	6 x 45 Rhesus	10 x 60	13 x 75	12 x 82	12 x 100	14 x 100	17 x 100	24 x 100	34 x 100	17 x 120	25 x 90	25 x 110	29 x 115
														
Cat.-No. 01421 Cat.-No. 01427														
Cat.-No.	05277	01357	01327	01732	05229	05230	05237	05231	05232	05233	05275	01731	05272	05276
tubes per rotor	36	120	48	32	48	48	24	24	8	4	4	8	4	4
RCF	4,109	4,081	4,053	4,025	4,053			3,941			4,165	3,969	4,025	4,053
radius in mm	147	146	145	144	145			141			149	142	144	145
run-up in sec								30						
run-down in sec. ²⁾								32						
temperature °C ¹⁾								- 7						

3) When using these tubes, bucket 01427 cannot be closed with lid 01421



Swing-out rotor, No. 01494
4-place,
n= 5,000 min⁻¹,
max. RCF 4,193
illustrated with buckets 01425

capacity ml	1.5/2.0	1	3	2,6-7	5/6/7	9/15	25	50	100	15	50	50	4 - 10
dimensions Ø x L mm	11 x 38	6 x 45 Rhesus	10 x 60	11x100	12x75-100	14/17x100	24 x 100	34 x 100	44 x 100	17 x 120	29 x 115	29 x 115	16x75/100
													
Cat.-No. 01425													
Cat.-No.	01444	01432	01433	01438	01434	01431	01435	01436	01437	01442	01443	01737	01441
tubes per rotor	36	144	56	28	48	28	8	4	4		4		28
RCF		3,969			3,913				3,801		4,081		3,913
radius in mm	139	142			140				136		146		140
run-up in sec								30					
run-down in sec. ²⁾								32					
temperature °C ¹⁾								- 10					

capacity ml	1.5/2.0	1	3	5	6/7	9/15	25	50	100	10	30	50	85	15	50	12	25	30	50
dimensions Ø x L mm	11 x 38	6 x 45 Rhesus	10x60	13x75	13x82/100	14/17x100	24 x 100	34 x 100	44 x 100	16x80/100	26x95	29x107	38x106	17x120	29x115	17x100	25 x90	25x110	29x115
lid No. 01492 biocontainment ⁵⁾																			
	Carrier Cat.-No. 01495																		
Cat.-No.	01351	01339	01343	01383	01383	01329	01330	01331	00761	01348	04417	04416	01396	01347	01384	06311	01363	01365	06318
tubes per rotor	20	108	36	20	20	16	4	4	4	16	4	4	4	4					
RCF	3,857	4,081	4,137	4,025	4,025	3,997	3,829	3,801	4,025	4,025	3,857	4,137	4,109	4,193		3,689		4,193	
radius in mm	138	146	148	144	144	143	137	136	144	144	138	148	147	150		132		150	
run-up in sec	30																		
run-down in sec. ²⁾	32																		
temperature °C ¹⁾	- 10																		

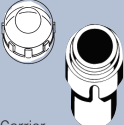


Swing-out rotor 01324,
4-place, illustrated with
suspension 01398 and
adapter 01483
n= 4,500 min⁻¹,
max. RCF 3,260



Swing-out rotor 01324,
4-place, illustrated with
carrier 01490 and lids
01492
n= 4,500 min⁻¹,
max. RCF 3,328
for max. 4 x 100 ml

capacity ml	9	15	2,6-3,4	4-5,5	9-10	10	4-7	15	50	12	50
dimensions Ø x L mm	14x100	17x100	13x65	15x75	16x92	15x102	16 x 75	17x120	29x115	17x100	29x115
											
											
Cat.-No.	01482-A	01486	01482-A	01482-A	01482-A	01482-A	01483-A	01484	01482-A	01484	01484
tubes per rotor	16	20	16	16	16	16	16	16	4	16	4
RCF	3,192	3,147	2,875	3,192	3,034	3,305	3,260	3,192	3,260	3,192	3,260
radius in mm	141	139	127	141	134	146	144	141	144	141	144
run-up in sec	27										
run-down in sec. ²⁾	30										
temperature °C ¹⁾	- 6										

capacity ml	1.5/2.0	1	3/4	5	6/7	9/15	25	50	100	4-10	30	50	85	15		50	12	25	30	50
dimensions Ø x L mm	11 x 38	6 x 45 Rhesus	10x60/88	12/13x75	13x82/100	14/17x100	24 x 100	34 x 100	44 x 100	16x75/100	26x95	29x107	38x106	17x120		29x115	17x100	25 x90	25x110	29x115
lid No. 01492 biocontainment ⁵⁾																				
Carrier Cat.-No. 01490																				
Cat.-No.	01351	01339	01343	01383	01383	01329	01330	01331	00761	01348	04417	04416	01396	01356	01347	01384	06311	01363	01365	06318
tubes per rotor	20	108	36	20	20	16	4	4	4	16	4	4	4	12	4					
RCF	3,056	3,237	3,283	3,192	3,192	3,170	3,034	3,011	3,192	3,147	3,056	3,283	3,260	3,328		2,920		3,328		
radius in mm	135	143	145	141	141	140	134	133	141	139	135	145	144	147		129		147		
run-up in sec											27									
run-down in sec. ²⁾											30									
temperature °C ¹⁾											- 6									



Swing-out rotor, 8-place,
n= 4,000 min⁻¹,
max. RCF 2,415,
for 8 x 15 ml,
stainless steel,
with suspensions No.
01644, PA, fibreglass
reinforced.

capacity in ml	5	10	10	15
dimensions Ø x L mm	12/13x75	17 x 70	13 x 100	17 x 100
 n=4,000 min ⁻¹ Cat.-No. 01611				
				
Cat.-No.	01131-A	01132-A	01643	01644
tubes per rotor	8	8	8	8
RCF	1,914		2,415	
radius in mm	107		135	
run-up in sec	20			
run-down in sec. ²⁾	20			
temperature °C ¹⁾	-16			



Swing-out rotor, 12-place,
n= 5,000 min⁻¹,
max. RCF 4,193,
for 12 x 15 ml, stainless
steel, with suspensions
No. 01621, PA, fibreglass
reinforced.

capacity in ml	5	10	15
dimensions Ø x L mm	12/13 x 75	17 x 70	17 x 100
			
			
Cat.-No.	01127-A	01122	01621
tubes per rotor	12	12	12
RCF	3,494	3,522	4,193
radius in mm	125	126	150
run-up in sec	16		
run-down in sec. ²⁾	16		
temperature °C ¹⁾	-15		-10

capacity ml	1.5/2.0	5	5-7	1,6-7	9/15	25	50	85	100	125/150	200	30	50	15	50	12	25/30	50
dimensions Ø x L mm	11 x 38	17x59	12x75/100	13x75/100	14/17x100	24 x 100	34 x 100	38x101/6	44 x 100	51x100/116	56 x 112	26 x 95	29 x 107	17 x 120	29 x 115	17 x 100	25x90/110	29x115
lid No. 01561 biocontainment ³⁾																		
Carrier Cat.-No. 01560																		
Cat.-No.	01571	01593	01589	01589	01588	01573	01574	01575	01576	01594	-	01585	01586	01577	01595	01579	01582	01583
tubes per rotor	56	16	28	28	20	4	4	4	4	4	4	4	4	8	12	4	16	4
max. RCF	3,328 / 2,332	3,328	3,215	3,215	3,215	3,056	3,147	3,260	3,147	3,328	3,328	3,260	3,260		3,328		3,260	3,328
radius in mm	147/103	147	142	142	142	135	139	144	139	147	147	144	144	147		144		147
run-up in sec	28																	
run-down in sec. ²⁾	31																	
temperature °C ¹⁾	-8																	

90°



Swing-out rotor, 01554, 4-place, illustrated with carrier 01560 and lids 01561

n= 4,500 min⁻¹,
max. RCF 3,328
for max. 4 x 200 ml

Swing-out rotor 01554, 4-place, illustrated with carrier 01563

capacity in ml	12	15	50	50
dimensions Ø x L mm	17 x 100	17 x 120	29 x 115	29 x 115
Carrier Cat.-No. 01563				
Cat.-No.	01592	01592	-	-
tubes per rotor	8			
RCF	3,260			
radius in mm	144			
run-up in sec	28			
run-down in sec. ²⁾	31			
temperature °C ¹⁾	-8			

90°



Swing-out rotor, 6-place, n= 4,000 min⁻¹, RCF 2,701, for 6 x 50/15ml Falcon tubes, stainless steel, with suspensions, PA, fiberglass reinforced.

capacity in ml	15	50
dimensions Ø x L mm	17 x 120	29 x 115
n=4,000 min ⁻¹ Cat.-No. 01619		
Cat.-No.	01462-A	-
tubes per rotor	6	
RCF	2,701	
radius in mm	151	
run-up in sec	20	
run-down in sec. ²⁾	22	
temperature °C ¹⁾	- 15	

45°



Swing-out rotor, 8-place, n= 5,000 min⁻¹, RCF 3,857, for 8 x 50/15 ml, stainless steel, with suspensions, aluminium.

capacity in ml	15	50
dimensions Ø x L mm	17 x 120	29 x 115
n=5,000 min ⁻¹ Cat.-No. 01617		
Cat.-No.	01462-A	-
tubes per rotor	8	
RCF	3,857	
radius in mm	138	
run-up in sec	20	
run-down in sec. ²⁾	19	
temperature °C ¹⁾	- 10	

90°



Swing-out rotor, 4-place, n= 4,000 min⁻¹, RCF 1,896, for microtitre plates, rotor and carriers No. 04345 of stainless steel.

	microtitre plate	culture plate
n=4,000 min ⁻¹ Rotor Cat.-No. 01645		
Cat.-No.	04345	
plates per rotor	4	
RCF	1,896	
radius in mm	106	
run-up in sec	20	
run-down in sec. ²⁾	19	
temperature °C ¹⁾	- 16	

90°



Swing-out rotor, 2-place, n=4,000 min⁻¹, RCF 2,218 for microtitre plates, aluminium, coated, with suspensions No. 01453-A, stainless steel.

	microtitre plate	culture plate	deep well plate	MS	QP	Microtest plate (Terasaki)	PCR plate 96 wells	PCR strips 0,2
n=4,000 min ⁻¹ Rotor Cat.-No. 01460								
Cat.-No.	01453-A							01453-A + 01485
plates per rotor	10	8	6	2	2	4	2	24 x 8
RCF	2,218							
radius in mm	124							
run-up in sec	40							
run-down in sec. ²⁾	45							
temperature °C ¹⁾	-6							

1) Lowest attainable temp. in precooled refrigerated centrifuges at max. speed.

2) Rund down in sec. braked

Please make sure not to exceed the tubes max. permissible RCF. For glass tubes the max. RCF is 4,000



capacity in ml	4-7	15	15	50	12	50	50
dimensions Ø x L mm	13 x 100	17 x 100	17 x 120	29 x 115	17 x 100	29 x 115	29 x 107
							
n=4,500 min ⁻¹ Cat.-No. 01418	+ 00716	+ 00716	+ E2109	+ E2110	+ 00716		
Cat.-No.	01467	01467	01467	01468	01467	01468	
tubes per rotor	32	32	32	8	32	8	
RCF	3,305	3,215	3,283	3,147	3,215	3,147	
radius in mm	146	142	145	139	142	139	
run-up in sec				30			
run-down in sec. ²⁾				31			
temperature °C ¹⁾				-11			



4 Cyto rotors, suitable for U-320 and U-320R are available.
More informations are available in a detailed cyto brochure.



capacity in ml	10	15	30	50	50/75	85	15	50
dimensions Ø x L mm	16 x 80	17 x 100	26 x 95	29 x 107	34 x 100 35 x 105	38 x 106	17 x 120	29 x 115
								
n=9,000 min ⁻¹ Cat.-No. 01620A								4)
Cat.-No.	01448	01451	01447	01446	01463	-	01466	01646
tubes per rotor	12	6	6	6	6	6	6	6
RCF	8,784	8,784	8,603	9,056	9,327	9,509	8,965	
radius in mm	97	97	95	100	103	105	99	
run-up in sec				30				
run-down in sec. ²⁾				30				
temperature °C ¹⁾				- 11				

1) Lowest attainable temp. in precooled refrigerated centrifuges at max. speed

2) Rund down in sec. braked

Please make sure not to exceed the tubes max. permissible RCF. for glass tubes the max. RCF is 4,000

4) Adapter set, 6-place, for conical 50 ml tubes with screw cap



capacity in ml	5	15	15
dimensions Ø x L mm	12/13 x 75	17 x 100	17 x 120
			
n=6,000 min ⁻¹ Cat.-No. 01613			
Cat.-No.	01054A	-	-
tubes per rotor	12	12	6
RCF	3,300	4,146	
radius in mm	82	103	
run-up in sec		15	
run-down in sec. ²⁾		15	
temperature °C ¹⁾		- 16	



capacity in ml	5	15	15
dimensions Ø x L mm	12/13x75	17 x 100	17 x 120
			
n=12,000 min ⁻¹ Cat.-No. 01615			5)
Cat.-No.	01054A	-	01647
tubes per rotor	12	12	6
RCF	13,201	16,582	15,455
radius in mm	82	103	93
run-up in sec		40	
run-down in sec. ²⁾		40	
temperature °C ¹⁾		-2	



capacity in ml	1.5	0.5/0.8	0.2/0.4	2.0
dimensions Ø x L mm	11x38	8x30/45	6x18/45	11x38
				
Lid 0E2040 incl. n=15,000 min ⁻¹ Cat.-No. 01420-B				
Cat.-No.	-	02023	02024	-
tubes per rotor		24		
RCF		21,382		
radius in mm		85		
run-up in sec		25		
run-down in sec. ²⁾		23		
temperature °C ¹⁾		-4		

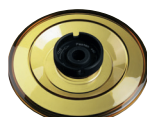


capacity in ml	1.5	0.5/0.8	0.2/0.4	2.0
dimensions Ø x L mm	11x38	8x30/45	6x18/45	11x38
				
lid with bio-containment incl. n=14,000 min ⁻¹ Cat.-No. 01689-A				
Cat.-No.	-	02023	02024	-
tubes per rotor		30		
RCF		21,255		
radius in mm		97		
run-up in sec		35		
run-down in sec. ²⁾		31		
temperature °C ¹⁾		0		

Optional lids for rotor 01420B



Lid (Cat. No. 02423
with bio-containment
autoclavable,
phenol-resistant



Lid Cat. No. 02425
with bio-containment
autoclavable

5) Adapter set, 6-place, for conical 15 ml tubes with screw cap. Remove 6 opposite carriers from rotor 01615 and replace them with adapters 01647.