

Anexa tehnica lot 4

Centrifugă de laborator (32 tuburi)

Rotofix 32A cu rotor 1418 si 8 adaptoare 1467, DM DM000739303

Producator: Andreas Hettich, Germania

Parametri solicitati	Parametri oferiti
Descriere Centrifugele de laborator sunt destinate pentru a centrifuga sângele. Parametrul Specificația Viteza de rotație Minimală, rpm reglabilă Maximală, rpm ≥ 3500 Setări setarea vitezei	Descriere Centrifugele de laborator sunt destinate pentru a centrifuga sângele. Parametrul Specificația Viteza de rotație Minimală, rpm reglabilă Maximală, rpm 6000, cu rotor 1418 – 4000 rpm Setări setarea vitezei cu increment de 100 rpm, in diapazonul 500 rpm – 6000 rpm
Capacitatea Tipul tuburilor tuburi de 10 - 15 ml Numărul de tuburi 32 unități Timer Diapazon minim de timp 1 - ≥ 60 min Incrementarea ≤ 1 min Securitatea Blocarea capacului în timpul lucrului obligatoriu Indicatori Indicatori vizual și acustic obligatoriu Debalansare obligatoriu Pornire/oprire obligatoriu Capac deschis obligatoriu Display Digital obligatoriu Nivelul de zgomot ≤ 65 dB obligatoriu Fereastra, orificiu sau alt acces, necesar pentru efectuarea procedurii de verificare periodica, conform normelor si standardelor în vigoare. obligatoriu	Capacitatea Tipul tuburilor tuburi de 10 - 15 ml Numărul de tuburi 32 unități Timer Diapazon minim de timp 1 - 99 min Incrementarea 1 min Securitatea Blocarea capacului în timpul lucrului obligatoriu Indicatori Indicatori vizual și acustic obligatoriu Debalansare obligatoriu Pornire/oprire obligatoriu Capac deschis obligatoriu Display Digital obligatoriu Nivelul de zgomot 52 dB obligatoriu Fereastra, orificiu sau alt acces, necesar pentru efectuarea procedurii de verificare periodica, conform normelor si standardelor în vigoare. obligatoriu

Benchtop centrifuges

ROTOFIX 32 A

Rugged and indispensable

For decades, the ROTOFIX 32 A has set the standard in daily lab routine thanks to its versatility and solid construction. The benchtop centrifuge spins sample volumes up to 6 x 94 ml, 40 blood collection tubes or 8 x 50 ml conical tubes with a simple user interface. Hettich's cytology rotors are compatible with most existing funnel/slide systems and have bio-containment lids.



■ Highlights

- RPM: 500 - 6,000 min⁻¹
Adjustable in increments of 100
- max. RCF: 4,226
- max. capacity: 4 x 100 ml / 6 x 94 ml
- choice of 9 rotors
- easy operation with keypad
- 2 individual deceleration stages
- IVDR-conform according to regulation (EU) 2017/746

■ Features

- metal housing and lid
- viewing port in the lid
- one-hand lid lock
- lid dropping protection
- emergency lid lock release
- stainless steel chamber
- automatic rotor recognition
- brushless drive
- error display
- imbalance monitoring and switch-off
- control panel with actual values of all parameters
- auditory message after completion of the centrifugation run

Technical data

ROTOFIX 32 A	
voltage *)	208 – 240 V 1 ~
frequency	50 – 60 Hz
consumption	300 VA
emission, immunity	EN/IEC 61326-1, class B
max. capacity	4 x 100 ml / 6 x 94 ml
max. RPM	6,000 min ⁻¹
max. RCF	4,226
running time	1–99 min, ∞ continuous run, short cycle mode (impulse button)
dimesions (WxDxH)	366x430x257 mm
weight	approx. 23 kg
noise level	52 dB (A) with rotor 1628
Cat. No.	1206
100 – 127 V 1 ~ / 50 – 60 Hz *)	1206-01
emission, immunity	FCC class B

*) Other voltages on request.

Available rotors

SWING-OUT ROTORS		angle	max. RPM	max. capacity	Cat. No.	page
	swing-out rotor, 4-place	90°	4,000 min ⁻¹	4x100 ml	1624	3
	swing-out rotor, 4-place	90°	4,000 min ⁻¹	4x100 ml	1324	6
	swing-out rotor, 6-place	90°	4,000 min ⁻¹	6x50 ml	1619	8
	swing-out rotor, 8-place	45°	4,000 min ⁻¹	8x50 ml	1617	8
	swing-out rotor, 8-place	90°	4,000 min ⁻¹	8x15 ml	1611	9
	swing-out rotor, 12-place	55° / 60° / 80°	4,000 min ⁻¹	12x15 ml	1628	9
ANGLE ROTORS						
	angle rotor, 8-place	45°	4,000 min ⁻¹	8x50 ml	1418	10
	angle rotor, 6-place	35°	6,000 min ⁻¹	6x85 ml	1620A	11
	angle rotor, 12-place	35°	6,000 min ⁻¹	12x15 ml	1613	12

Swing-out rotor, 4-place | 1624



Rotor

max. RPM max. RCF	4,000 min ⁻¹ 2,451
max. capacity	4 x 50 ml
run-up run-down, braked in sec	22 25
angle max. noise level	90° 55 dB (A)
Cat. No.	1624



Vessels

	5	5	6	7	9	9	15	15	20	25	45	50
capacity in ml	5	5	6	7	9	9	15	15	20	25	45	50
Ø x L in mm	12 x 75	12 x 75	12 x 82	12 x 100	14 x 100	14 x 100	17 x 100	17 x 100	21 x 100	24 x 100	31 x 100	34 x 100
max. RCF ²⁾	2,218	2,164	2,343	2,343	2,308	2,415	2,308	2,451	2,361	2,451	2,361	2,451
radius in mm	124	121	131	131	129	135	129	137	132	137	132	137



Carrier

	12 x 75	13.5 x 65	12.5 x 71.5	12.5 x 71.5	14.6 x 74	14.6 x 78	17.6 x 71.5	17.6 x 78	21.5 x 74	26 x 78	32 x 74	35 x 78
boring Ø x L in mm	12 x 75	13.5 x 65	12.5 x 71.5	12.5 x 71.5	14.6 x 74	14.6 x 78	17.6 x 71.5	17.6 x 78	21.5 x 74	26 x 78	32 x 74	35 x 78
vessels per rotor	16	68	16	16	20	40	16	28	8	8	4	4
Cat. No.	1369-91	1372	1369-92	1369-92	1370	1741	1369	1742	1346	1745	1345	1746

blood collection / urine vessels

-

cyto chambers

Vessels

	1.1-1.4	2.6-3.4	4-5.5	4.9	1.6-5	4-7	4-7	8.5-10	30	1-8
capacity in ml	1.1-1.4	2.6-3.4	4-5.5	4.9	1.6-5	4-7	4-7	8.5-10	30	1-8
Ø x L in mm	8 x 66	13 x 65	15 x 75	13 x 90	13 x 75	16 x 75	13 x 100	16 x 100	26 x 95	simple / multiple
max. RCF ²⁾	2,415	2,325	2,325	2,451	2,325	2,325	2,451	2,451	2,451	1,646
radius in mm	135	130	130	137	130	130	137	129	137	92



Carrier

	14.6 x 78	17.6 x 78	17.6 x 78	14.6 x 78	17.6 x 78	17.6 x 78	13.5 x 78	17.6 x 71.5	26 x 78	-
boring Ø x L in mm	14.6 x 78	17.6 x 78	17.6 x 78	14.6 x 78	17.6 x 78	17.6 x 78	13.5 x 78	17.6 x 71.5	26 x 78	-
vessels per rotor	40	28	28	40	28	28	28	16	8	4
Cat. No.	1741	1742	1742	1741	1742	1742	1739	1369⁴⁾	1745	1660

CYTO

Cyto system available for this model.
More information on [page 184](#)

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 spacer.

20) Vacutainers made of glass may not be used.

Rotor			Bucket	
max. RPM max. RCF	4,000 min ⁻¹ 1,968	+	Cat. No.	1366
max. capacity	48 x 4 ml			
run-up run-down, braked in sec	22 25			
angle max. noise level	90° 56 dB (A)			
Cat. No.	1624			

- Swing-out rotor, 4-place | 1624

	
Rotor	Bucket
max. RPM max. RCF	Lid bioseal ⁵⁾
max. capacity	1492
run-up run-down, braked in sec	Cat. No.
angle max. noise level	1481
Cat. No.	
1624	

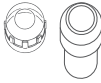
	Pediatric			microtubes	Rhesus	tubes ²⁾								
Vessels														
capacity in ml	0,5	1,5	2,0	1	3	5	6	7	9	15	25	50	85	100
Ø x L in mm	10.7 x 46	11 x 38	11 x 38	6 x 45	10 x 60	12 x 75	12 x 82	12 x 100	14 x 100	17 x 100	24 x 100	34 x 100	38 x 101	44 x 100
max. RCF ²⁾	2,379	2,451	2,451	2,594	2,630	2,558	2,558	2,558	2,540	2,540	2,433	2,415	2,612	2,558
radius in mm	133	135	135	145	147	141	141	141	142	142	136	135	146	143
+														
Adapter														Spacer
boring Ø x L in mm	11.2 x 38	11.2 x 38	11.2 x 38	6.5 x 34	10.5 x 43	13.4 x 48	13.4 x 48	13.4 x 48	17.6 x 89	17.6 x 89	25.2 x 77	35.2 x 77	38.5 x 92	45.9 x 98
vessels per rotor	20	20	20	108	36	20	20	20	16	16	4	4	4	4
Cat. No.	1351	1351	1351	1339	1343	1383	1383	1383	1329	1329	1330	1331	1396	0761

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

Swing-out rotor, 4-place | 1624

	
Rotor	
max. RPM max. RCF	4,000 min ⁻¹ 2,665
max. capacity	4 x 100 ml
run-up run-down, braked in sec	22 25
angle max. noise level	90° 55 dB (A)
Cat. No.	1624



	
Bucket	
Lid bioseal ⁵⁾	1492
Cat. No.	1481



	blood collection / urine vessels								tubes with screw cap							
Vessels																
capacity in ml	1.1–1.4	2.7–3	2.6–4.9	4–8.5	9–10	10	1.6–7	4–10	15	50	12	25	30	50	10	
Ø x L in mm	8 x 66	11 x 66	13x65/90	15x75/92	16 x 92	15 x 102	13x75/100	16x75/100	17 x 120	29 x 115	17 x 100	25 x 90	25 x 110	29 x 115	16 x 80	
max. RCF ²⁾	2,540	2,558	2,558	2,576	2,540	2,665	2,558	2,522	2,665	2,665	2,665	2,343	2,665	2,665	2,522	
radius in mm	142	143	143	144	142	149	143	141	149	149	149	131	149	149	141	
Adapter																
boring Ø x L in mm	9x49	13.4x48	13.4x48	15.6x47	17.6x91	17.6x91	13.4x48	16.5x56	17x90	30x90	17x80	26x72	26x80	29.5x80	16.5x56	
vessels per rotor	28	20	20	16	16	16	20	16	4	4	4	4	4	4	16	
Cat. No.	1457	1383	1383	1459	1329	1329⁴⁾	1383	1348	1347	1384	6311	1363	1365	6318	1348	

	tubes with screw cap			0534 ⁵⁾ chrome bath tubes
Vessels				
capacity in ml	30	50	85	30
Ø x L in mm	26 x 95	29x107	38x106	44x105
max. RCF ²⁾	2,451	2,630	2,612	2,540
radius in mm	137	147	146	142
Adapter				Spacer 
boring Ø x L in mm	26x83	29x93	38.5x92	45.9x98
vessels per rotor	4	4	4	4
Cat. No.	4417	4416	1396	0765

- 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, bucket 1490 cannot be closed with lid 1492.
- 4) Please remove spacer.
- 5) Tested by TÜV in conformity with DIN EN 61010, section 2-020.
- 6) A rubber stopper for closing the tube for agitating or mixing is available under Cat. No. 0535. The tube may not be centrifuged with the stopper.

Swing-out rotor, 4-place | 1324

Rotor

max. RPM max. RCF	4,000 min ⁻¹ 2,630
max. capacity	4 x 100 ml
run-up run-down, braked in sec	27 30
angle max. noise level	90° 55 dB (A)

Cat. No. 1324



Bucket

Lid bioseal⁵⁾

Cat. No.



1492

Cat. No. 1490



Vessels

	0.5	1.5	2.0	1	3	4	5	6	7	9	15	25	50	85	100
capacity in ml	0.5	1.5	2.0	1	3	4	5	6	7	9	15	25	50	85	100
Ø x L in mm	10.7x46	11x38	11x38	6x45	10x60	10x88	12x75	12x82	12x100	14x100	17x100	24x100	34x100	38x101	44x100
max. RCF ²⁾	2,343	2,415	2,415	2,558	2,594	2,594	2,522	2,522	2,522	2,504	2,504	2,397	2,379	2,576	2,522
radius in mm	131	135	135	143	145	145	141	141	141	140	140	134	133	144	141



Adapter

boring Ø x L in mm	11.2x38	11.2x38	11.2x38	6.5x34	10.5x43	10.5x43	13.4x48	13.4x48	13.4x48	17.6x91	17.6x91	25.2x87	35.2x87	38.5x92	45.9x100.5
vessels per rotor	20	20	20	108	36	36	20	20	20	16	16	4	4	4	4
Cat. No.	1351	1351	1351	1339	1343	1343	1383	1383	1383	1329	1329	1330	1331	1396	0761

Vessels

	blood collection / urine vessels													-
capacity in ml	1.1–1.4	2.6–3.4	4.9	2.7–3	4.5–5	4–5.5	7.5–8.2	9–10	10	1.6–5	4–7	4–7	8.5–10	15
Ø x L in mm	8 x 66	13x65	13x90	11x66	11x92	15x75	15x92	16x92	15x102	13x75	13x100	16x75	16x100	17x120
max. RCF ²⁾	2,540	2,522	2,522	2,522	2,522	2,540	2,540	2,504	2,630	2,522	2,522	2,486	2,486	2,630
radius in mm	142	141	141	141	141	142	142	140	147	141	141	139	139	147



Adapter

boring Ø x L in mm	9x47	13.4x45	13.4x45	13.4x45	13.4x45	15.6x47	15.6x47	17.6x91	17.6x91	13.4x45	13.4x45	16.5x56	16.5x56	17x90
vessels per rotor	28	20	20	20	20	16	16	16	16	20	20	16	16	4
Cat. No.	1457	1383	1383	1383	1383	1459	1459	1329	1329⁴⁾	1383	1383	1348	1348	1347

Vessels

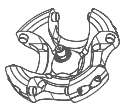
	tubes with screw cap										0534 ⁶⁾ chrome bath tube
capacity in ml	15	50	12	25	30	50	10	30	50	85	30
Ø x L in mm	17x120	29 x 115	17 x 100	25 x 90	25 x 110	29 x 115	16 x 80	26 x 95	29x107	38x106	44x105
max. RCF ²⁾	2,630	2,630	2,630	2,308	2,630	2,630	2,486	2,415	2,594	2,576	2,504
radius in mm	147	147	147	129	147	147	139	135	145	144	140



Adapter

boring Ø x L in mm	17x107	30x90	17x80	26x72	26x80	29.5x80	16.5x56	26x83	29x93	38.5x92	45.9x100.5
vessels per rotor	12	4	4	4	4	4	16	4	4	4	4
Cat. No.	1356	1384	6311	1363	1365	6318	1348	4417	4416	1396	0765

Swing-out rotor, 4-place | 1324

Rotor	
max. RPM max. RCF	4,000 min ⁻¹ 2,612
max. capacity	4 x 50 ml
run-up run-down, braked in sec	27 30
angle	90° 56 dB (A)
Cat. No.	1324



Bucket	
Cat. No.	1398



	tubes ²⁾					blood collection / urine vessels								
Vessels														
capacity in ml	5	6	7	9	15	2.6-3.4	2.7-3	4.5-5	4.9	9-10	10	1.6-5	4-7	4-7
Ø x L in mm	12x75	12x82	12x100	14x100	17x100	13x65	11x66	11x92	13x90	16x92	15x102	13x75	13x100	16x75
max. RCF ²⁾	2,486	2,486	2,486	2,522	2,522	2,486	2,486	2,486	2,486	2,522	2,522	2,486	2,486	2,397
radius in mm	139	139	139	141	141	139	139	139	139	141	141	139	139	134
	+ 0716													
Adapter														
boring Ø x L in mm	13.4x57.5	13.4x57.5	13.4x57.5	17.5x81	17.5x81	13.4x57.5	13.4x57.5	13.4x57.5	13.4x57.5	17.5x81	17.5x81	13.4x57.5	13.4x57.5	17.5x81
vessels per rotor	20	20	20	16	16	20	20	20	20	16	16	20	20	16
Cat. No.	1486	1486	1486	1482A	1482A	1486	1486	1486	1486	1482A	1482A	1486	1486	1482A

	tubes with screw cap			
Vessels				
capacity in ml	15	50	12	50
Ø x L in mm	17 x 120	29 x 115	17 x 100	29 x 115
max. RCF ²⁾	2,612	2,576	2,522	2,576
radius in mm	146	144	141	144
Adapter				
boring Ø x L in mm	17x100	30x98	17.5x81	30x98
vessels per rotor	16	4	16	4
Cat. No.	1483A	1484	1482A	1484 ⁴⁾

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 spacer.

Swing-out rotor, 6-place | 1619

	
Rotor	
max. RPM max. RCF	4,000 min ⁻¹ 2,701
max. capacity	6 x 50 ml
run-up run-down, braked in sec	22 25
angle max. noise level	90° 54 dB (A)
Cat. No.	1619



tubes with screw cap	
	
Vessels	
capacity in ml	15 50
Ø x L in mm	17 x 120 29 x 115
max. RCF ²⁾	2,701 2,701
radius in mm	151 151

+	
	
Adapter	
boring Ø x L in mm	17 x 84 30 x 87.5
vessels per rotor	6 6
Cat. No.	1462-A -

Swing-out rotor, 8-place | 1617

	
Rotor	
max. RPM max. RCF	4,000 min ⁻¹ 2,469
max. capacity	8 x 50 ml
run-up run-down, braked in sec	22 25
angle max. noise level	45° 53 dB (A)
Cat. No.	1617



tubes with screw cap	
	
Vessels	
capacity in ml	15 50
Ø x L in mm	17 x 120 29 x 115
max. RCF ²⁾	2,469 2,469
radius in mm	138 138

+	
	
Adapter	
boring Ø x L in mm	17 x 84 30 x 94.5
vessels per rotor	8 8
Cat. No.	1462-A -

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, 8-place | 1611



Rotor

max. RPM max. RCF	4,000 min ⁻¹ 2,415
max. capacity	8 x 15 ml
run-up run-down, braked in sec	22 25
angle max. noise level	90° 53 dB (A)
Cat. No.	1611



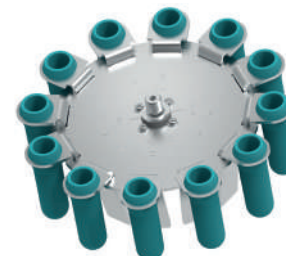
	tubes ²⁾					blood collection / urine vessels								
Vessels														
capacity in ml	5	6	7	10	15	2.6-3.4	2.7-3	4-5.5	4.5-5	7.5-8.2	1.6-5	4-7	4-7	8.5-10
Ø x L in mm	12/13x75	12x82	12x100	13x100	17x100	13x65	11x66	15x75	11x92	15x92	13x75	13x100	16x75	16x100
max. RCF ²⁾	1,914	1,914	2,415	2,415	2,415	1,914	1,914	1,914	2,415	2,415	1,914	2,415	1,914	2,415
radius in mm	107	107	135	135	135	107	107	107	135	135	107	135	107	135
+														
Bucket														
boring Ø x L in mm	13x53	13x53	13.2x81	13.2x81	17.5x81	13x53	13x53	17.5x53	13.2x81	17.5x81	13x53	13.2x81	17.5x53	17.5x81
vessels per rotor	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Cat. No.	1131-A	1131-A	1643	1643	1644	1131-A	1131-A	1132-A	1643	1644	1131-A	1643	1132-A	1644

Swing-out rotor, 12-place | 1628



Rotor

max. RPM max. RCF	4,000 min ⁻¹ 2,683
max. capacity	12 x 15 ml
run-up run-down, braked in sec	22 25
angle max. noise level	55° / 60° / 80° 52 dB (A)
Cat. No.	1628



	tubes ²⁾		blood collection / urine vessels						
Vessels									
capacity in ml	5	15	2.6-3.4	2.7-3	4-5.5	7.5-8.2	1.6-5	4-7	8.5-10
Ø x L in mm	12/13x75	17x100	13x65	11x66	15x75	15x92	13x75	16x75	16x100
max. RCF ²⁾	2,236	2,683	2,236	2,236	2,254	2,683	2,236	2,254	2,683
radius in mm	125	150	125	125	126	150	125	126	150
+									
Bucket									
boring Ø x L in mm	13.2x53	17.5x79	13.2x53	13.2x53	17.5x53	17.5x79	13.2x53	17.5x53	17.5x79
vessels per rotor	12	12	12	12	12	12	12	12	12
Cat. No.	1127-A	1621	1127-A	1127-A	1122	1621	1127-A	1122	1621

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, 8-place | 1418



Rotor

max. RPM max. RCF	4,000 min ⁻¹ 2,612
max. capacity	8x50 ml
run-up run-down, braked in sec	36 43
angle max. noise level	45° 53 dB (A)
Cat. No.	1418



Vessels

	tubes ²⁾		blood collection / urine vessels					tubes with screw cap				
capacity in ml	5	12	1.1–1.4	2.6–3.4	2.7–3	9–10	1.6–5	15	50	15	50	50
Ø x L in mm	12x75	17x100	8 x 66	13x65	11x66	16x92	13x75	17x120	29x115	17x100	29x115	29x107
max. RCF ²⁾	2,182	2,540	2,182	2,182	2,182	2,540	2,182	2,594	2,486	2,540	2,486	2,486
radius in mm	122	142	122	122	122	142	122	145	139	142	139	139



Carrier

boring Ø x L in mm	17.4x91	17.4x91	17.4x91	17.4x91	17.4x91	17.4x91	17.4x91	17.4x91	30.2x92	17.4x91	30.2x92	30.2x92
vessels per rotor	32	32	32	32	32	32	32	32	8	32	8	8
Cat. No.	1467	1467	1467	1467	1467	1467	1467	1467	1468	1467	1468	1468

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 | 1620A



Rotor

max. RPM max. RCF	6,000 min ⁻¹ 4,226
max. capacity	6 x 85 ml
run-up run-down, braked in sec	19 22
angle max. noise level	35° 53 dB (A)
Cat. No.	1620A



Vessels

	Pediatric	microliter tubes			tubes ²⁾			blood collection / urine vessels				tubes with screw cap			
capacity in ml	0.5	1.5	2.0	3	15	50	94	7.5 – 8.2	9 – 10	10	8.5 – 10	15	50	50	10
Ø x L in mm	10.7 x 46	11 x 38	11 x 38	10 x 60	17 x 100	34 x 100	38 x 102	15 x 92	16 x 92	15 x 102	16 x 100	17 x 120	29 x 115	29 x 115	16 x 80
max. RCF ²⁾	4,105	4,105	4,105	4,105	3,904	4,146	4,226	3,904	3,904	3,904	3,904	3,985	3,985	3,985	3,904
radius in mm	102	102	102	102	97	103	105	97	97	97	97	99	99	99	97



Adapter

boring Ø x L in mm	11.4 x 39	11.4 x 39	11.4 x 39	11.4 x 39	17.5 x 91.5	35 x 89.3	38.6 x 90.2	17.5 x 91.5	17.5 x 91.5	17.5 x 91.5	17.5 x 91.5	17 x 106	29.8 x 96.7	-	16.5 x 74
vessels per rotor	24	24	24	24	6	6	6	6	6	6	6	6	3	6	12
Cat. No.	1449	1449	1449	1449	1451	1463	-	1451	1451	1451	1451	1466	1454	1646 ⁸⁾	1448

tubes with screw cap

Vessels

capacity in ml	30	50	85
Ø x L in mm	26 x 95	29 x 107	38 x 106
max. RCF ²⁾	3,824	4,025	4,226
radius in mm	95	100	105



Adapter

boring Ø x L in mm	26 x 85	29 x 92	38.6 x 90.2
vessels per rotor	6	6	6
Cat. No.	1447	1446	-

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.

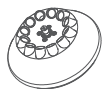
The max. RCF for glass tubes annotated with footnote 2) is 4,000.

8) Adapter (Set), 6-place: for conical 50 ml tubes with screw cap.

Angle rotor, 12-place | 1613

Rotor

max. RPM max. RCF	6,000 min ⁻¹ 4,146
max. capacity	12 x 15 ml
run-up run-down, braked in sec	13 15
angle max. noise level	35° 55 dB (A)
Cat. No.	1613



Vessels

	Pediatric	tubes ²⁾					blood collection / urine vessels							
capacity in ml	0.5	4	5	6	15	1.1-1.4	2.6-3.4	2.7-3	4.5-5	4.9	7.5-8.2	9-10	10	10
Ø x L in mm	10.7 x 46	10 x 88	12/13 x 75	12 x 82	17 x 100	8 x 66	13 x 65	11 x 66	11 x 92	13 x 90	15 x 92	16 x 92	15 x 102	15 x 102
max. RCF ²⁾	2,777	3,502	3,300	3,300	4,146	3,300	3,300	3,300	4,146	4,146	4,146	4,146	4,146	4,146
radius in mm	69	87	82	82	103	82	82	82	103	103	103	103	103	103



Adapter

boring Ø x L in mm	11 x 35	11.5 x 67.5	13.5 x 60	13.5 x 60	17.7 x 88	13.5 x 60	13.5 x 60	13.5 x 60	17.7 x 88	17.7 x 88	17.7 x 88	17.7 x 88	17.7 x 88	17.7 x 88
vessels per rotor	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Cat. No.	2 x 1063-6 (6 pcs.)	6305	1054-A	1054-A	-	1054-A	1054-A	1054-A	-	-	-	-	-	-

Vessels

	blood collection / urine vessels			
capacity in ml	1.6-5	8	8.5-10	15
Ø x L in mm	13 x 75	16 x 125	16 x 100	17 x 120
max. RCF ²⁾	3,300	4,146	4,146	4,146
radius in mm	82	103	103	103



Adapter

boring Ø x L in mm	13.5 x 60	17.7 x 88	17.7 x 88	17.7 x 88
vessels per rotor	12	6	12	6
Cat. No.	1054-A	-	-	-

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.

Packages

ROTOFIX 32 A BLOOD TUBE PACKAGE 1*

ROTOFIX 32 A BLOOD TUBE PACKAGE 1*	number of vessels	volume (ml)	size (mm)	RPM	RCF	
- 1 x ROTOFIX 32 A centrifuge	1206	20	1.6 - 7	13 x 90 / 100	4,000	2,558
- 1 x Swing-out rotor, 4-place	1624	16	4 - 10	16 x 75 / 100	4,000	2,522
- 4 x bucket	1481					
- 4 x lid (bioseal)	1492					
- 4 x adapter, 5-place	1383					
- 4 x adapter, 4-place	1348					
1206SET1						



Certifications / Registrations

Product certification:



Product registration:



Company certifications:



Dimensions

