

# ROTOFIX 32 A

## Benchtop centrifuge

Proven in use – the first choice for clinical chemistry and cytology



# ROTOFIX 32 A



**View into the centrifuging chamber**  
showing the rotor 1624 with  
carriers 1660 for cyto chambers

## PROVEN TECHNOLOGY – IDEAL PREPARATION OF SAMPLES FOR CLINICAL AND CYTOLOGICAL DIAGNOSTICS

Its versatility means that the ROTOFIX 32 A has set the standard in daily laboratory routines for many years. It can spin samples up to a volume of 4x94 ml at a maximum RCF of 4,226. Its reliable performance and the comprehensive range of accessories with various swing-out and angle rotors have helped to make this robust and durable benchtop centrifuge an indispensable tool in the lab, with an excellent performance-to-price ratio. The high-quality design and construction of the centrifuge helps to make lab procedures safer and less demanding.

### COMPREHENSIVE RANGE OF ACCESSORIES

The ROTOFIX 32 A has a large range of accessories for very different types of tubes and applications. Special vessels may also be centrifuged in addition to the standard ones. For example, the centrifuge can handle tubes used to investigate the condition of chrome baths in electroplating applications.



**ROTOFIX 32 A**  
Benchtop centrifuge

**Cat. No. 1206**

# ROTOFIX 32 A



The ROTOFIX 32A, with its four rotors for cytology and comprehensive range of Hettich accessories, is a highly-advanced tool for this specialist field.

## STURDY DESIGN

The housing and the lid are of metal construction and the centrifuging chamber is of non-rusting stainless steel. The robust ROTOFIX 32A is therefore perfect for use in very different environments, including mobile laboratories.

## MAXIMUM SAFETY

The ROTOFIX 32A makes a major contribution to safety in the workplace. Its robust design and solid metal construction ensure mechanical safety. The stainless steel interior is easy to clean, thus enabling a high standard of hygiene. Accessories with bioseals prevent the development of toxic or infectious aerosols.

## HIGH CAPACITY

The ROTOFIX 32A has a capacity of up to 4 x 100 ml and a maximum RCF of 4,226.



## AT A GLANCE



### FIELDS OF APPLICATION

#### Medical diagnostics

- Centrifugation of blood and urine samples
- Cytology

#### Research

- Sedimentation of cells, yeast cells, bacteria, etc.

#### Industry

- Determination of the sulphate content of chrome baths

### EASE OF OPERATION

- Ergonomic operating and information panel
- Foil keypad for the rapid and precise entry of parameters
- Continuous operation can be set
- Display switchable from RCF to RPM

### SAFETY

- Lid locking and holding
- Lid dropping protection
- Automatic rotor recognition
- Imbalance switch-off
- Emergency lid lock release

### DESIGN

- Housing and lid of metal
- Centrifuging chamber of stainless steel
- One-hand lid lock

### MAX. RCF

- 4,226

### MAX. CAPACITY

- 4 x 100 ml / 32 x 15 ml
- 12 cytological preparations

### OUR SERVICE

You will find information on Hettich partners in your country at [www.hettichlab.com](http://www.hettichlab.com)

# OVERVIEW OF CONTROL SYSTEM AND ROTORS



Control panel

The ROTOFIX 32A is fitted with the E(economy) control panel. The required centrifugation parameters can be entered quickly and easily on the user-friendly keypad. During centrifugation the ACTUAL values are indicated on the display.

## SIMPLE OPERATION WITH THE E CONTROL PANEL

### KEYPAD




























- ▲ Increases the relevant value.
- ▼ Decreases the relevant value.
- IMPULS For short centrifugation steps.
- RCF Switches from RPM to RCF display.
- START Starts centrifugation.
- STOP Stops centrifugation manually.

### DISPLAY

- RPM/RCF Speed or RCF indication.  
Entry of RPM in increments of 100.
- t Time indication.  
Entry in minutes, max. 99 min.








































## Rotors

Quick overview of rotors and suitable accessories. The figures highlighted under the arrows refer to the pages where technical and ordering details are listed.

 <p><b>Swing-out rotor, 4-place</b>  <math>\sphericalangle 90^\circ</math>  <math>n = 4,000 \text{ min}^{-1}</math>                      max. RCF 2,665  <b>Cat. No. 1624</b></p>											→ <b>Page 6-8</b>
 <p><b>Swing-out rotor, 4-place</b>  <math>\sphericalangle 90^\circ</math>  <math>n = 4,000 \text{ min}^{-1}</math>                      max. RCF 2,630  <b>Cat. No. 1324</b></p>											→ <b>Page 9-11</b>
 <p><b>Swing-out rotor, 6-place</b>  <math>\sphericalangle 90^\circ</math>  <math>n = 4,000 \text{ min}^{-1}</math>                      max. RCF 2,701  <b>Cat. No. 1619</b></p>											→ <b>Page 11</b>
 <p><b>Swing-out rotor, 8-place</b>  <math>\sphericalangle 90^\circ</math>  <math>n = 4,000 \text{ min}^{-1}</math>                      max. RCF 2,415  <b>Cat. No. 1611</b></p>											→ <b>Page 12</b>

# ROTORS



 <p><b>Swing-out rotor, 8-place</b>  <math>\sphericalangle</math> 45°  <math>n = 4,000 \text{ min}^{-1}</math>                      max. RCF 2,469  <b>Cat. No. 1617</b></p>							 15 / 50 ml				 <b>Page 12</b>
 <p><b>Swing-out rotor, 12-place</b>  <math>\sphericalangle</math> 55°–80°  <math>n = 4,000 \text{ min}^{-1}</math>                      max. RCF 2,683  <b>Cat. No. 1628</b></p>	 5–15 ml		 1.6–10 ml	 2.6–8.5 ml							 <b>Page 13</b>
 <p><b>Angle rotor, 8-place</b>  <math>\sphericalangle</math> 45°  <math>n = 4,000 \text{ min}^{-1}</math>                      max. RCF 2,612  <b>Cat. No. 1418</b></p>	 5–15 ml		 1.6–10 ml	 1.1–10 ml	 12 ml	 15 / 50 ml	 12 / 50 ml	 50 ml			 <b>Page 13</b>
 <p><b>Angle rotor, 6-place</b>  <math>\sphericalangle</math> 35°  <math>n = 6,000 \text{ min}^{-1}</math>                      max. RCF 4,226  <b>Cat. No. 1620A</b></p>	 max. 5 ml	 3–94 ml	 0.5 ml	 8.5–10 ml	 7.5–10 ml	 15 / 50 ml		 10–85 ml			 <b>Page 14</b>
 <p><b>Angle rotor, 12-place</b>  <math>\sphericalangle</math> 35°  <math>n = 6,000 \text{ min}^{-1}</math>                      max. RCF 4,146  <b>Cat. No. 1613</b></p>	 4–15 ml	 0.5 ml	 1.6–10 ml	 1.1–10 ml		 15 ml					 <b>Page 15</b>
 <p><b>Cyto rotor, 6-place</b>  <math>n = 4,000 \text{ min}^{-1}</math>                      max. RCF 2,039  <b>Cat. No. 1626</b></p>	Detailed information on our comprehensive range of cyto accessories is provided in a separate brochure. We will be pleased to send one to you on request.									 Cyto	
 <p><b>Cyto rotor, 12-place</b>  <math>n = 2,000 \text{ min}^{-1}</math>                      max. RCF 438  <b>Cat. No. 1515</b></p>										 Cyto	
 <p><b>Disk rotor, 12-place</b>  <math>n = 2,000 \text{ min}^{-1}</math>                      max. RCF 438  <b>Cat. No. 1520</b></p>										 Cyto	

**Additional tubes e.g. stool tubes or spin columns on request.  
 The capacity of the vessels is given as the nominal volume according to the manufacturer. The filling volume can be different.**

# ACCESSORIES



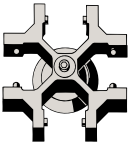











## Swing-out rotor, 4-place

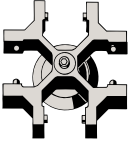















illustrated with carriers 1369

∠ 90°  
n= 4,000 min<sup>-1</sup>  
max. RCF 2,665

### Cat. No. (without carriers) 1624

capacity in ml	5	6	7	9	15	20	25	45	50		
∅ x L in mm	12x75	12x82	12x100	14x100	17x100	21x100	24x100	31x100	34x100		
<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>0519<sup>2)</sup></b>	-	<b>0521<sup>2)</sup></b>		
 <b>rotor</b> <b>Cat. No. 1624</b>											
	with decanting aid		with decanting aid		+ 0701						
<b>Cat. No.</b>	<b>1369-91</b>	<b>1372</b>	<b>1369-92</b>	<b>1370</b>	<b>1741</b>	<b>1369</b>	<b>1742</b>	<b>1346</b>	<b>1745</b>	<b>1345</b>	<b>1746</b>
boring ∅ x L in mm	12.5x64.4	13.5x65	12.5x71.5	14.6x74	14.6x78	17.6x74	17.6x78	21.5x74	26x78	32x74	35x78
tubes per rotor	16	68	16	20	40	16	28	8		4	
max. RCF <sup>2)</sup>	2,057	2,164	2,308		2,415	2,308	2,451	2,361	2,451	2,361	2,451
radius in mm	115	121	129		135	129	137	132	137	132	137
run-up in sec	22										
run-down in sec, braked	25										

capacity in ml	1.1–1.4	2.6–3.4	4–5.5	4.9	1.6–5	4–7	1.6–5	4–7	4–7	8.5–10	30	suspension for cyto accessories	
∅ x L in mm	8x66	13x65	15x75	13x90	13x75	13x75	13x75	16x75	13x100	16x100	26x95		
<b>Cat. No.</b>	<b>blood collection/urine tubes</b>										<b>0545</b>	<b>cyto chambers<sup>3)</sup></b>	
 <b>rotor</b> <b>Cat. No. 1624</b>													
	+ 0701	+ 0716			4 x 0768 <sup>6)</sup>		+ 0716		+ 1058				
<b>Cat. No.</b>	<b>1741</b>	<b>1742</b>	<b>1741</b>	<b>1741</b>	<b>1369<sup>3)</sup></b>	<b>1742</b>		<b>1369<sup>5)</sup></b>	<b>1370<sup>5)</sup></b>	<b>1369<sup>5)</sup></b>	<b>1745</b>	<b>1660</b>	
boring ∅ x L in mm	14.6x78	17.6x78	14.6x78	14.6x78	17.6x74	17.6x78		17.6x74	14.6x74	17.6x74	26x78	-	
tubes per rotor	40	28	40	40	16	28		16	20	16	8	4	
max. RCF <sup>2)</sup>	2,415	2,325	2,451	2,129	2,361	2,325		2,361			2,451	1,646	
radius in mm	135	130	137	119	132	130		132			137	92	
run-up in sec	22												
run-down in sec, braked	25												

<sup>1)</sup> Tested by the TÜV in conformity with DIN EN 61010, section 2 - 020.

<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>3)</sup> is 4,000.

<sup>3)</sup> Please ask for our detailed cyto brochure.











<sup>4)</sup> This combination permits no Vacutainers made of glass.

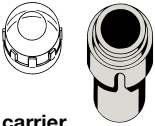



















# ACCESSORIES



illustrated with carriers 1481  
and lids 1492 with bio-containment<sup>1)</sup>

## Swing-out rotor 1624

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
<b>Cat. No.</b>	<b>2078</b>	<b>0536</b>	<b>Rhesus</b>	-	-
 <b>carrier</b> <b>Cat. No. 1366</b>					
					
<b>Cat. No.</b>	<b>5277</b>		<b>1357</b>	<b>1327</b>	<b>1326</b>
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	36		120	48	
max. RCF <sup>2)</sup>	1,968		1,950	1,932	
radius in mm	110		109	108	
run-up in sec	22				
run-down in sec, braked	25				

capacity in ml	0.5	1.5	2.0	1	3	5/6/7	9	15	25	50	94	
Ø x L in mm	10.7 x 36	11 x 38		6 x 45	10 x 60	12 x 75/82/100	14 x 100	17 x 100	24 x 100	34 x 100	38 x 102	
<b>Cat. No.</b>	<b>Pediatric</b>	<b>2078</b>	<b>0536</b>	<b>Rhesus</b>	-	<b>0553<sup>2)</sup>/0501<sup>2)</sup>/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>lid with bio-containment<sup>1)</sup></b> <b>Cat. No. 1492</b> 												
												
<b>Cat. No.</b>	<b>1351</b>			<b>1339</b>	<b>1343</b>	<b>1383</b>		<b>1329</b>		<b>1330</b>	<b>1331</b>	<b>1396</b>
boring Ø x L in mm	11.2 x 38			6.5 x 34	10.5 x 43	13.4 x 48	17.6 x 91		25.2 x 87	35.2 x 87	38.5 x 92	
tubes per rotor	20			108	36	20	16		4			
max. RCF <sup>2)</sup>	2,379	2,451		2,594	2,630	2,558	2,540		2,433	2,415	2,612	
radius in mm	133	137		145	147	143	142		136	135	146	
run-up in sec	22											
run-down in sec, braked	25											

<sup>1)</sup> Please remove the inserts.

<sup>2)</sup> Packed in units of 10 pieces.

# ACCESSORIES



illustrated with carriers 1481  
and lids 1492 with bio-containment<sup>1)</sup>

## Swing-out rotor 1624

capacity in ml	100	1.1–1.4	2.7–5	2.6–4.9	4–8.5	9–10	10	1.6–7	4–10	5	15
Ø x L in mm	44x100	8x66	11x66/92	13x65/90	15x75/92	16x92	15x102	13x75/100	16x75/100	17x59	17x120
<b>Cat. No.</b>	<b>0526<sup>2)</sup></b>	<b>blood collection/urine tubes</b>								-	<b>0509</b>
<b>lid with bio-containment<sup>1)</sup></b> <b>Cat. No. 1492</b>											
<b>carrier</b> <b>Cat. No. 1481</b>	 rubber insert										
<b>Cat. No.</b>	<b>0761</b>	<b>1457</b>	<b>1383</b>	<b>1365</b>	<b>6318</b>	<b>1348</b>	<b>1329<sup>5)</sup></b>	<b>1383</b>	<b>1348</b>	<b>6341</b>	<b>1347</b>
boring Ø x L in mm	45.9x98	9x47	13.4x48		15.6x47	17.6x91		13.4x48	16.5x56	17x45	17x90
tubes per rotor	4	28	20		16	16		20	16	12	4
max. RCF <sup>2)</sup>	2,558	2,576	2,558		2,576	2,540	2,665	2,558	2,522	2,665	
radius in mm	143	144	143		144	142	149	143	141	149	
run-up in sec	22										
run-down in sec, braked	25										

capacity in ml	50	12	25	30	50	10	30	50	85	30
Ø x L in mm	29x115	17x100	25x90	25x110	29x115	16x80	26x95	29x107	38x106	44x105
<b>Cat. No.</b>	<b>0513</b>	-	-	-	-	-	<b>0545</b>	<b>0546</b>	<b>0547</b>	<b>0534<sup>7)</sup></b>
<b>lid with bio-containment<sup>1)</sup></b> <b>Cat. No. 1492</b>										 chrome bath tube
<b>carrier</b> <b>Cat. No. 1481</b>										 rubber insert
<b>Cat. No.</b>	<b>1384</b>	<b>6311</b>	<b>1363</b>	<b>1365</b>	<b>6318</b>	<b>1348</b>	<b>4417</b>	<b>4416</b>	<b>1396</b>	<b>0765</b>
boring Ø x L in mm	30x90	17x80	26x72	26x80	29.5x80	16.5x56	26x83	29x93	38.5x92	45.9x98
tubes per rotor	4					16	4			
max. RCF <sup>2)</sup>	2,665		2,343	2,665	2,522		2,451	2,630	2,612	2,540
radius in mm	149		131	149	141		137	147	146	142
run-up in sec	22									
run-down in sec, braked	25									

<sup>1)</sup> Tested by the TÜV in conformity with DIN EN 61010, section 2 - 020.

<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>3)</sup> is 4,000.

<sup>5)</sup> Please remove the inserts.

<sup>7)</sup> 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.



# ACCESSORIES



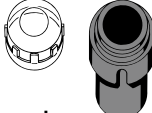

## Swing-out rotor, 4-place

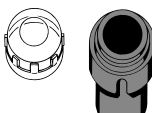



illustrated with carriers 1490  
and lids 1492 with bio-containment<sup>1)</sup>

∠ 90°  
n = 4,000 min<sup>-1</sup>  
max. RCF 2,630

### Cat. No. (without carriers) 1324

capacity in ml	0.5	1.5	2.0	1	3	4	5	6	7	9	15	25
∅ x L in mm	10.7 x 36	11 x 38		6 x 45	10 x 60	10 x 88	12 x 75	12 x 82	12 x 100	14 x 100	17 x 100	24 x 100
<b>Cat. No.</b>	<b>Pediatric</b>	<b>2078</b>	<b>0536</b>	<b>Rhesus</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>lid with bio-containment<sup>1)</sup></b> <b>Cat. No. 1492</b>												
<b>carrier</b> <b>Cat. No. 1490</b>												
<b>Cat. No.</b>	<b>1351</b>		<b>1339</b>		<b>1343</b>	<b>1383</b>		<b>1329</b>			<b>1330</b>	
boring ∅ x L in mm	11.2 x 38			6.5 x 34	10.5 x 43		13.4 x 48		17.6 x 91			25.2 x 87
tubes per rotor	20			108	36	20		16			4	
max. RCF <sup>2)</sup>	2,343	2,415		2,558	2,594	2,522		2,504			2,397	
radius in mm	131	135		143	145	141		140			134	
run-up in sec	27											
run-down in sec, braked	30											

capacity in ml	50	94	100	1.1–1.4	2.6–3.4	4.9	2.7–3	4.5–5	4–5.5	7.5–8.5	9–10	10
∅ x L in mm	34 x 100	38 x 102	44 x 100	8 x 66	13 x 65	13 x 90	11 x 66	11 x 92	15 x 75	15 x 92	16 x 92	15 x 102
<b>Cat. No.</b>	<b>0521<sup>2)</sup></b>	<b>0549</b>	<b>0526<sup>2)</sup></b>	<b>blood collection / urine tubes</b>								
<b>lid with bio-containment<sup>1)</sup></b> <b>Cat. No. 1492</b>												
<b>carrier</b> <b>Cat. No. 1490</b>												
<b>Cat. No.</b>	<b>1331</b>	<b>1396</b>	<b>0761</b>	<b>1457</b>	<b>1383</b>	<b>1459</b>				<b>1329</b>	<b>1329<sup>3)</sup></b>	
boring ∅ x L in mm	35.2 x 87	38.5 x 92	45.9 x 100.5	9 x 47	13.4 x 48		15.6 x 47				17.6 x 91	
tubes per rotor	4			28	20		16					
max. RCF <sup>2)</sup>	2,379	2,576	2,522	2,540	2,522	2,540				2,504	2,630	
radius in mm	133	144	141	142	141	142				140	147	
run-up in sec	27											
run-down in sec, braked	30											

# ACCESSORIES



## Swing-out rotor 1324

capacity in ml	1.6–5	4–7	4–7	8.5–10	5	15	30	50	12	25	30
∅ x L in mm	13x75	13x100	16x75	16x100	17x59	17x120	25x110	29x115	17x100	25x90	25x110
<b>Cat. No.</b>	<b>blood/urine tubes</b>				-	<b>0509</b>	-	<b>0513</b>	-	-	-
<b>lid with bio-containment<sup>1)</sup></b> <b>Cat. No. 1492</b>											
<b>carrier</b> <b>Cat. No. 1490</b>											
<b>Cat. No.</b>	<b>1383</b>	<b>1348</b>	<b>6341</b>	<b>1347</b>	<b>1356</b>	<b>1365</b>	<b>1384</b>	<b>6311</b>	<b>1363</b>	<b>1365</b>	
boring ∅ x L in mm	13.4x48	16.5x56	17x45	17x90	17x107	26x80	30x90	17x80	26x72	26x80	
tubes per rotor	20	16	12	4	12	4					
max. RCF <sup>2)</sup>	2,522	2,486	2,630							2,308	2,630
radius in mm	141	139	147							129	147
run-up in sec	27										
run-down in sec, braked	30										

capacity in ml	50	10	30	50	85	30
∅ x L in mm	29x115	16x80	26x95	29x107	38x106	44x105
<b>Cat. No.</b>	-	-	<b>0545</b>	<b>0546</b>	<b>0547</b>	<b>0534<sup>3)</sup></b>
<b>lid with bio-containment<sup>1)</sup></b> <b>Cat. No. 1492</b>						 chrome bath tube
<b>carrier</b> <b>Cat. No. 1490</b>						 rubber insert
<b>Cat. No.</b>	<b>6318</b>	<b>1348</b>	<b>4417</b>	<b>4416</b>	<b>1396</b>	<b>0765</b>
boring ∅ x L in mm	29.5x80	16.5x56	26x83	29x93	38.5x92	45.9x100.5
tubes per rotor	4	16	4			
max. RCF <sup>2)</sup>	2,630	2,486	2,415	2,594	2,576	2,504
radius in mm	147	139	135	145	144	140
run-up in sec	27					
run-down in sec, braked	30					

<sup>1)</sup> Tested by the TÜV in conformity with DIN EN 61010, section 2 - 020.

<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>3)</sup> is 4,000.

<sup>3)</sup> Please remove the inserts.

# ACCESSORIES



illustrated with carriers 1398

























## Swing-out rotor, 6-place





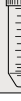


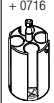











∠ 90°  
n = 4,000 min<sup>-1</sup>  
max. RCF 2,701

### Swing-out rotor 1324

### Cat. No. (with carriers) 1619

capacity in ml	5	6	7	9	15	2.6–3.4	2.7–3	4–5.5	4.5–5	4.9	9–10	10	1.6–5	4–7
∅ x L in mm	12x75	12x82	12x100	14x100	17x100	13x65	11x66	15x75	11x92	13x90	16x92	15x102	13x75	13x100
Cat. No.	0553 <sup>2)</sup>	0501 <sup>2)</sup>	0578 <sup>2)</sup>	0500 <sup>2)</sup>	0518 <sup>2)</sup>	blood collection / urine tubes								
 <b>carrier</b> <b>Cat. No. 1398</b>														
														
Cat. No.	1486			1482A	1486	1482A	1486	1482A	1486	1482A	1486	1482A	1486	
boring ∅ x L in mm	13.4x57.5			17.5x81	13.4x57.5	17.5x81	13.4x57.5	17.5x81	13.4x57.5	17.5x81	13.4x57.5	17.5x81	13.4x57.5	
tubes per rotor	20			16	20	16	20	16	20	16	20	16	20	
max. RCF <sup>2)</sup>	2,486			2,522	2,486	2,272	2,486	2,272	2,486	2,522	2,486	2,522	2,486	
radius in mm	139			141	139	127	139	127	139	141	139	141	139	
run-up in sec	27													
run-down in sec, braked	30													

capacity in ml	4–7	12	15	50	12	50
∅ x L in mm	16x75	17x102	17x120	29x115	17x100	29x115
Cat. No.	blood / urine tubes		0509	0513	-	-
 <b>carrier</b> <b>Cat. No. 1398</b>						
						
Cat. No.	1482A	1487	1483A	1484	1482A	1484 <sup>3)</sup>
boring ∅ x L in mm	17.5x81	17.5x74	17x100	30x98	17.5x81	30x98
tubes per rotor	16	12	16	4	16	4
max. RCF <sup>2)</sup>	2,397	2,451	2,612	2,576	2,522	2,576
radius in mm	134	137	146	144	141	144
run-up in sec	27					
run-down in sec, braked	30					

capacity in ml	15	50
∅ x L in mm	17x120	29x115
Cat. No.	0509	0513
 <b>rotor</b> <b>Cat. No. 1619</b>		
		
Cat. No.	1462-A	-
boring ∅ x L in mm	17x84	30x87.5
tubes per rotor	6	
max. RCF <sup>2)</sup>	2,701	
radius in mm	151	
run-up in sec	22	
run-down in sec, braked	25	

<sup>2)</sup> 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.

<sup>3)</sup> When using these tubes, carrier 1490 cannot be closed with lid 1492.

# ACCESSORIES



## Swing-out rotor, 8-place



∠ 90°  
n = 4,000 min<sup>-1</sup>  
max. RCF 2,415

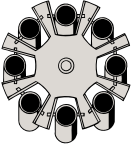




























**Cat. No. (without carriers) 1611**

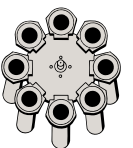

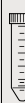

## Swing-out rotor, 8-place



∠ 45°  
n = 4,000 min<sup>-1</sup>  
max. RCF 2,469

**Cat. No. (with carriers) 1617**

capacity in ml	5	6	7	10	15	2.6–3.4	2.7–3	4–5.5	4.5–5	7.5–8.5	1.6–5	4–7	4–7	8.5–10			
∅ x L in mm	12x75	12x82	12x100	17x70	13x100	17x100	13x65	11x66	15x75	11x92	15x92	13x75	13x100	16x75	16x100		
Cat. No.	<b>0553<sup>2)</sup></b>	<b>0501<sup>2)</sup></b>	<b>0578<sup>2)</sup></b>	<b>2079</b>	-	<b>0518<sup>2)</sup></b>	<b>blood collection / urine tubes</b>										
 <b>rotor</b> <b>Cat. No. 1611</b>																	
																	
Cat. No.	<b>1131</b>		<b>1643</b>	<b>1132</b>	<b>1643</b>	<b>1644</b>	<b>1131</b>		<b>1132</b>	<b>1643</b>	<b>1644</b>	<b>1131</b>	<b>1643</b>	<b>1132</b>	<b>1644</b>		
boring ∅ x L in mm	13x53		13.2x81		17.5x53	13.2x81	17.5x81	13x53		17.5x53		13.2x81	17.5x81	13x53	13.2x81	17.5x53	17.5x81
tubes per rotor	8																
max. RCF <sup>2)</sup>	1,914		2,415	1,914	2,415	1,914		2,415		1,914	2,415	1,914	2,415	1,914	2,415		
radius in mm	107		135	107	135	107		135		107	135	107	135	107	135		
run-up in sec	22																
run-down in sec, braked	25																

capacity in ml	15	50
∅ x L in mm	17x120	29x115
Cat. No.	<b>0509</b>	<b>0513</b>
 <b>rotor</b> <b>Cat. No. 1617</b>		
		
Cat. No.	<b>1462-A</b>	-
boring ∅ x L in mm	17x84	30x94.5
tubes per rotor	8	
max. RCF <sup>2)</sup>	2,469	
radius in mm	138	
run-up in sec	22	
run-down in sec, braked	25	

<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.

# ACCESSORIES



## Swing-out rotor, 12-place



- ✂ 55° (with carriers 1127)
- ✂ 60° (with carriers 1122)
- ✂ 80° (with carriers 1621)

n = 4,000 min<sup>-1</sup>  
max. RCF 2,683

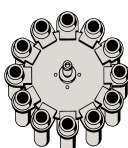
**Cat. No. (without carriers) 1628**


## Angle rotor, 8-place



✂ 45°  
n = 4,000 min<sup>-1</sup>  
max. RCF 2,612

**Cat. No. (without adapters) 1418**

capacity in ml	5	10	15	2.6–3.4	2.7–3	4–5.5	7.5–8.5	1.6–5	4–7	8.5–10
∅ x L in mm	12x75	17x70	17x100	13x65	11x66	15x75	15x92	13x75	16x75	16x100
<b>Cat. No.</b>	<b>0553<sup>2)</sup></b>	<b>2079</b>	<b>0518<sup>2)</sup></b>	<b>blood collection/urine tubes</b>						
 <b>rotor</b> <b>Cat. No. 1628</b>										
<b>Cat. No.</b>	<b>1127</b>	<b>1122</b>	<b>1621</b>	<b>1127</b>		<b>1122</b>	<b>1621</b>	<b>1127</b>	<b>1122</b>	<b>1621</b>
boring ∅ x L in mm	13.2x53	17.5x53	17.5x79	13.2x53		17.5x53	17.5x79	13.2x53	17.5x53	17.5x79
tubes per rotor	12									
max. RCF <sup>2)</sup>	2,236	2,254	2,683	2,236		2,254	2,683	2,236	2,254	2,683
radius in mm	125	126	150	125		126	150	125	126	150
run-up in sec	22									
run-down in sec, braked	25									

capacity in ml	5	15	1.1–1.4	2.6–3.4	2.7–3	9–10	1.6–5	4–7	8.5–10	12	15	50	12	50	50
∅ x L in mm	12x75	17x100	8x66	13x65	11x66	16x92	13x75	13x100	16x100	17x102	17x120	29x115	17x100	29x115	29x107
<b>Cat. No.</b>	<b>0553<sup>2)</sup></b>	<b>0518<sup>2)</sup></b>	<b>blood collection/urine tubes</b>								<b>0509</b>	<b>0513</b>	-	-	<b>0546</b>
 <b>rotor</b> <b>Cat. No. 1418</b>															
	+ 1054-A 	+ 0716 	+ 1054-A 				+ 0716 	+ 1054-A 		+ 0716 	+ 0716 	+ E2109 	+ E2110-A 	+ 0716 	
<b>Cat. No.</b>	<b>1467</b>	<b>1467</b>	<b>1467</b>				<b>1467</b>					<b>1468</b>	<b>1467</b>	<b>1468</b>	
boring ∅ x L in mm	17.4x91										30.2x92		17.4x91	30.2x92	
tubes per rotor	32										8	32	8		
max. RCF <sup>2)</sup>	2,182	2,540	2,182			2,540	2,182	2,612	2,540		2,594	2,486	2,540	2,486	
radius in mm	122	142	122			142	122	146	142		145	139	142	139	
run-up in sec	36														
run-down in sec, braked	43														

# ACCESSORIES




















## Angle rotor, 6-place


















illustrated with 6-place adapter set 1646

∠ 35°  
n = 6,000 min<sup>-1</sup>  
max. RCF 4,226

### Cat. No. 1620A

capacity in ml	0.5	1.5	2.0	3	15	50	75	94	7.5–8.5	9–10	10	8.5–10
∅ x L in mm	10.7x36	11x38		10x60	17x100	34x100	35x105	38x102	15x92	16x92	15x102	16x100
<b>Cat. No.</b>	<b>Pediatric</b>	<b>2078</b>	<b>0536</b>	-	<b>0518<sup>2)</sup></b>	<b>0521<sup>2)</sup></b>	<b>0548</b>	<b>0549</b>	<b>blood/urine tubes</b>			
												
<b>rotor</b> <b>Cat. No. 1620A</b>												
<b>Cat. No.</b>	<b>1449</b>				<b>1451</b>	<b>1463</b>	-		<b>1451</b>			
boring ∅ x L in mm	11.4x39				17.5x92	35x89	38.6x90.2		17.5x92			
tubes per rotor	24				6							
max. RCF <sup>2)</sup>	4,105				3,904	4,146	4,226		3,904			
radius in mm	102				97	103	105		97			
run-up in sec	19											
run-down in sec, braked	22											

capacity in ml	5	15	50	10	30	50	85
∅ x L in mm	17x59	17x120	29x115	16x80	26x95	29x107	38x106
<b>Cat. No.</b>	-	<b>0509</b>	<b>0513</b>	-	<b>0545</b>	<b>0546</b>	<b>0547</b>
							
<b>rotor</b> <b>Cat. No. 1620A</b>							
<b>Cat. No.</b>	<b>1476</b>	<b>1466</b>	<b>1454</b>	<b>1646<sup>3)</sup></b>	<b>1448</b>	<b>1447</b>	<b>1446</b>
boring ∅ x L in mm	17x51	17x106	29.8x97	-	16.5x74	26x85	29x92
tubes per rotor	6		3	6	12	6	
max. RCF <sup>2)</sup>	3,824	3,985		3,904	3,824	4,025	4,226
radius in mm	95	99		97	95	100	105
run-up in sec	19						
run-down in sec, braked	22						

<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> 6-place adapter set for conical 50 ml tubes with screw cap.

# ACCESSORIES





























## Angle rotor, 12-place





$\sphericalangle$  35°  
 $n = 6,000 \text{ min}^{-1}$   
 max. RCF 4,146

### Cat. No. 1613

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	7.5–8,5	9–10
Ø x L in mm	10.7 x 36	10 x 88	12 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
Cat. No.	Pediatric	-	0553 <sup>2)</sup>	0501 <sup>2)</sup>	0518 <sup>2)</sup>	blood collection/urine tubes						
 rotor Cat. No. 1613												
												
Cat. No.	1063	6305	1054-A			1054-A						
boring Ø x L in mm	11 x 35	11.5 x 67.5	13.5 x 60		17,7 x 88	13.5 x 60				17.7 x 88		
tubes per rotor	12	12										
max. RCF <sup>2)</sup>	2,777	3,502	3,300		4,146	3,300			4,146			
radius in mm	69	87	82		103	82			103			
run-up in sec	13											
run-down in sec, braked	15											

capacity in ml	10	1.6–5	4–7	8	8.5–10	15
Ø x L in mm	15 x 102	13 x 75	13 x 100	16 x 125	16 x 100	17 x 120
Cat. No.	blood collection/urine tubes					0509
 rotor Cat. No. 1613						
						
Cat. No.	-	1054-A	1058			
boring Ø x L in mm	17.7 x 88	13.5 x 60	13.5 x 79	17.7 x 88		
tubes per rotor	12			6	12	6
max. RCF <sup>2)</sup>	4,146	3,300	4,146			
radius in mm	103	82	103			
run-up in sec	13					
run-down in sec, braked	15					

# TECHNICAL DATA

TECHNOLOGY	ROTOFIX 32A	
<b>Benchtop centrifuge, without rotor</b>		
Power supply <sup>1)</sup>	208–240 V 1 ~	100–127 V 1 ~
Frequency	50–60 Hz	
Consumption	300 VA	
Emission, Immunity	EN/IEC 61326-1, class B	FCC class B
 Max. capacity	4 x 100 ml / 32 x 15 ml	
 Max. RPM (speed)	6,000 min <sup>-1</sup>	
max. RCF	4,226	
Running time	1–99 min, ∞ continuous run, short cycle mode (impulse key)	
Dimensions (H x W x D)	257 x 366 x 430 mm	
Weight	approx. 23 kg	
<b>Cat. No.</b>	<b>1206</b>	<b>1206-01</b>

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



Hettich centrifuges comply with all relevant EU standards in effect and conform to the European level of quality and safety for medical devices. Evidence is provided by national and international test marks such as IEC 61010 or the CE conformity. The ISO 9001, ISO 13485 and ISO 14001 certificates accredited to the company bear witness to the extreme care and responsibility Hettich puts into the manufacturing of centrifuges and their accessories.



Our certification as an “Authorized Economic Operator” enables accelerated customs clearance.



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