



**Hettich HT1404 / HT1405  
Benchtop Centrifuges  
classic/cooled**

Efficiency and safety are key requisites in today's laboratories – whether for research or routine tasks.

Wherever centrifuges are incorporated to working processes, they need to deliver good separation results quickly and safely.

The Hettich HT1404 / HT1405 centrifuge models are ideally equipped to take on these challenges. Their high performance and advanced features set standards among the benchtop centrifuges in their class.

Samples with capacities of up to 4 x 290 ml can be processed in these high-performance centrifuges with a max. RCF of 4,863. Should higher speeds be required, angle rotors with a max. RCF of 22,789 for 50 ml culture tubes are available.

Accessories with bio-containment protect users from aerosols while ensuring optimal safety, for instance, while centrifuging infectious samples.

### PERFORMANCE

- High capacity
  - max. 4 x 290 ml
  - max. 32 x 15 ml
- High RCF
  - up to 22,789 for 50 ml tubes
  - up to 16,504 for 94 ml tubes
  - up to 24,400 for reaction tubes



### DESIGN

- Metal housing
- Stainless steel centrifuging chamber
- Viewing port in the lid

### USER-FRIENDLINESS

- Powered lid locking
- Ergonomic control and information panel
- Easy rotor changing
- 98 program storage spaces

### COOLING (Hettich HT1405)

- Infinitely variable adjustment from -20 °C to +40 °C (or -4 °F to +104 °F)
- Stand-by cooling

### SAFETY

- Lid locking and holding
- Emergency lid lock release
- Lid dropping protection
- Automatic rotor recognition
- Imbalance switch-off
- Motor overheating protection
- Chamber overheating protection (Hettich HT1405)



Hettich HT1404  
Cat. No. 1701

## OPERATION AND CONTROL

With the convenient C control panel, even the most challenging centrifugation programs can easily be keyed in, stored and accessed as required.

98 program memory positions are available. Additional program position "PREC" (PRE-COOLING) is reserved for the pre-cooling program.

Parameter selection is done via the use of symbol keys. Values are set with the control knob, and recorded by pressing the Start key.

9 braking and acceleration ramps, unbraked run-down, or a cut-off speed can be selected. Ramp 9 represents the shortest braking and acceleration time.


The temperature in the **Hettich HT1405** refrigerated centrifuge can be set in either Celsius (°C) or Fahrenheit (°F) degrees. The temperature range is between - 20 °C and + 40 °C or between - 4 °F and + 104 °F.

## DIGITAL DISPLAY AND CONTROL PANEL

### KEYBOARD

START	Start centrifugation run / short centrifuging runs / save entries and changes  Start pre-cooling program <b>PREC</b>
STOP OPEN	Manually end centrifugation run / Open lid

### PARAMETER INPUT

PROG	Input / recall program number 98 programs can be stored
T/C	Input temperature in increments of 1 from - 20 °C to + 40 °C or - 4 °F to + 104 °F ( <b>Hettich HT1405</b> )
	Input of acceleration levels 1 – 9 Input of braking levels 1 – 9 Input brake force cut-off
RCF	Input relative centrifugal force (RCF) in increments of 1 Enter centrifuging radius (RAD) in mm
RPM	Input speed in increments of 10
TIME	Input length of centrifugation (max. 99 h : 59 min : 59 sec) or continuous operation



Hettich HT1405 control panel (C control panel)



Hettich HT1405 cooled  
Cat. No. 1706

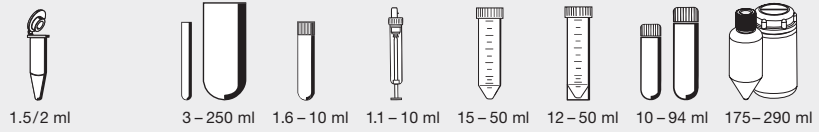
# ROTORS AND ACCESSORIES

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



**Swing-out rotor 4-place**  
 $\curvearrowright$  90°  
 $n = 5,000 \text{ min}^{-1}$   
 max. RCF 4,863  
**Cat. No. 1754**

Some accessories with biocontainment<sup>5)</sup>

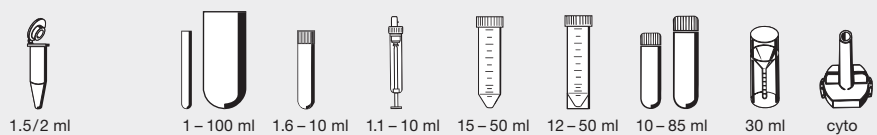


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P.6-7



**Swing-out rotor 4-place**  
 $\curvearrowright$  90°  
 $n = 4,600 \text{ min}^{-1}$   
 max. RCF 3,832  
**Cat. No. 1724**

Some accessories with biocontainment<sup>5)</sup>

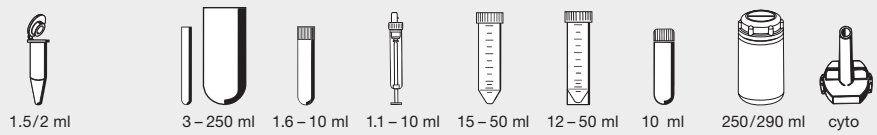


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P.8-11



**Swing-out rotor 4-place**  
 $\curvearrowright$  90°  
 $n = 4,000 \text{ min}^{-1}$   
 max. RCF 3,095  
**Cat. No. 1798**

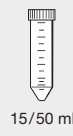
Some accessories with biocontainment<sup>5)</sup>



→  
P.12-14



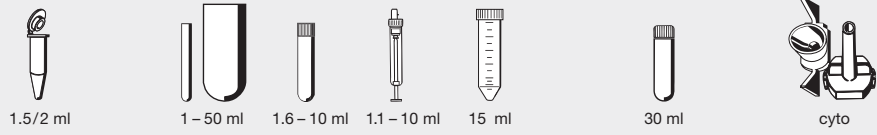
**Swing-out rotor 10-place**  
 $\curvearrowright$  45°  
 $n = 4,600 \text{ min}^{-1}$   
 max. RCF 3,856  
**Cat. No. 1717**



→  
P.14



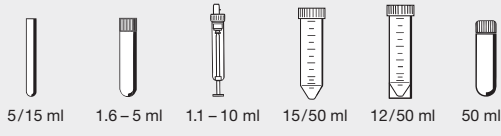
**Swing-out rotor 6-place**  
 $\curvearrowright$  90°  
 $n = 4,000 \text{ min}^{-1}$   
 max. RCF 2,808  
**Cat. No. 1726**




→  
P.15-16



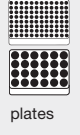
**Angle rotor 8-place**  
 $\curvearrowright$  45°  
 $n = 4,500 \text{ min}^{-1}$   
 max. RCF 3,283  
**Cat. No. 1721**



→  
P.16



**Swing-out rotor 2-place**  
 $\curvearrowright$  90°  
 $n = 4,000 \text{ min}^{-1}$   
 max. RCF 2,397  
**Cat. No. 1760**



→  
P.17

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

# ROTORS AND ACCESSORIES



## Angle rotor 6-place

↗ 45°

HT1405:  
n = 11,000 min<sup>-1</sup>  
max: RCF 16,369

HT1404:  
n = 10,000 min<sup>-1</sup>  
max. RCF 13,528

Cat. No. 1720



1.5/2 ml



15–85 ml



8.5–10 ml



7.5–10 ml



15/50 ml



10–85 ml

→  
P.17-18



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

## Angle rotor 6-place

↗ 45°

HT1405:  
n = 11,000 min<sup>-1</sup>  
max: RCF 16,504

HT1404:  
n = 10,000 min<sup>-1</sup>  
max. RCF 13,640

Cat. No. 1792



1.5/2 ml



15–85 ml



8.5–10 ml



7.5–10 ml



15/50 ml



10–94 ml

→  
P.18-19



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

## Angle rotor 30-place

↗ 45°

n = 15,000 min<sup>-1</sup>  
max. RCF 24,400

Cat. No. 1789



0.2–2.0 ml

→  
P.19



## Drum rotor 6-place

n = 15,000 min<sup>-1</sup>  
max. RCF 18,866

Cat. No. 1711



0.2–2.0 ml

→  
P.19



rotor only for Hettich HT1405

## Angle rotor 8-place

↘ 25°

n = 14,000 min<sup>-1</sup>  
max. RCF 22,789

Cat. No. 1797



50 ml

→  
P.19



## Cyto rotor 8-place

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

Cat. No. 1748

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.

Additional tubes e.g. stool tubes or spin columns on request.

# ROTORS AND ACCESSORIES

## Swing-out rotor, 4-place



±90°

n = 5,000 min<sup>-1</sup>  
max. RCF 4,863

illustrated with carriers 1752 and lids 1751  
with bio-containment<sup>5)</sup>

**Cat. No.** (without carriers) **1754**

capacity in ml	1.5	2.0	3	4	5	6	7	9	10	15	25	50	75	85	100		
Ø x L in mm	11 x 38		10 x 60	12 x 60	12 x 75	12 x 82	12 x 100	14 x 100	17 x 70	17 x 100	24 x 100	34 x 100	35 x 105	38 x 106	40 x 115		
<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>2079</b>	<b>0518<sup>2)</sup></b>	<b>0519<sup>2)</sup></b>	<b>0521<sup>2)</sup></b>	<b>0548</b>	<b>0549</b>	<b>0523<sup>2)</sup></b>	
lid with bio-containment <sup>5)</sup> Cat. No. 1751																	
carrier Cat. No. 1752																	
<b>Cat. No.</b>	<b>1761</b>	<b>1761</b>	<b>1762</b>			<b>1763</b>			<b>1764</b>	<b>1765</b>	<b>1777</b>	<b>1767</b>					
boring Ø x L in mm	11.2 x 39.5		11.2 x 39.5		12.5 x 56			17.5 x 62			25.5 x 81		35.5 x 81		38.5 x 80		41 x 97
tubes per rotor	144		72		96			52			24		12		8		4
max. RCF <sup>2)</sup> upper/lower	3,494 / 4,779		4,779					4,668							4,807		4,640
radius in mm upper/lower	125 / 171		171					167							172		166
run-up in sec	41																
run-down in sec	☐ 27    ○ 550																
temperature in °C <sup>1)</sup>	0																

capacity in ml	100	250	1.1-1.4	2.6-2.9	2.7-3	4-5.5	4.5-5	4.9	7.5-8.2	9-10	10	1.6-5	4-7	4-7	8	
Ø x L in mm	44 x 100	65 x 115	8 x 66	13 x 65	11 x 66	15 x 75	11 x 92	13 x 90	15 x 92	16 x 92	15 x 102	13 x 75	13 x 100	16 x 75	16 x 125	
<b>Cat. No.</b>	<b>0526<sup>2)</sup></b>	<b>0530<sup>2)</sup></b>	<b>blood collection/urine tubes</b>													
lid with bio-containment <sup>5)</sup> Cat. No. 1751																
carrier Cat. No. 1752																
<b>Cat. No.</b>	<b>1766</b>	<b>1768</b>	<b>1781</b>	<b>1783</b>	<b>1762</b>	<b>1763</b>	<b>1762</b>	<b>1783</b>	<b>1763</b>			<b>1783</b>		<b>1763</b>		
boring Ø x L in mm	45 x 87	66 x 104.5	9 x 49	13.5 x 54	12.5 x 56	17.5 x 62	12.5 x 56	13.5 x 54	17.5 x 62			13.5 x 54		17.5 x 62		
tubes per rotor	4	4	96	60	96	52	96	60	52			60		52		
max. RCF <sup>2)</sup>	4,640															
radius in mm	166															
run-up in sec	41															
run-down in sec	☐ 27    ○ 550															
temperature in °C <sup>1)</sup>	0															

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

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

3) When using these tubes, carrier 1752 cannot be closed with lid 1751.

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

# ROTORS AND ACCESSORIES



illustrated with carriers 1752 and lids 1751  
with bio-containment<sup>5)</sup>

## Swing-out rotor Cat. No. (without carriers) 1754

capacity in ml	8.5–10	15	50	12	25	30	50	10	14	30	50	85	94	175	175	
Ø x L in mm	16x100	17x120	29x115	17x100	25x90	25x110	29x115	16x80	16.5x106	26x95	29x107	38x106	38x102	61x118	62x144	
<b>Cat. No.</b>	blood coll. tube	<b>0509</b>	<b>0513</b>	-							<b>0545</b>	<b>0546</b>	<b>0547</b>	<b>0538<sup>10)</sup></b>	<b>Falcon®</b>	<b>Nalgene®</b>
lid with bio-containment <sup>5)</sup> Cat. No. 1751																
<b>carrier</b> Cat. No. 1752																
<b>Cat. No.</b>		<b>1763</b>	<b>1771</b>	<b>1772</b>	<b>1773</b>	<b>1779</b>	<b>1774</b>	<b>1763</b>	<b>1775</b>	<b>1774</b>	<b>1777</b>	<b>1782</b>	<b>1778</b>	<b>1782</b>	<b>1778</b>	
boring Ø x L in mm	17.5x62	17x84	30x84	17x78	26.5x72	30x80	30x80	17.5x62	16.5x106	26.5x70	30x80	38.5x80	38x102	62x111	62x111	
tubes per rotor	52	36	16	36	20	16	16	52	14	24	16	8	8	4	4	
max. RCF <sup>2)</sup>	4,668	4,863	4,863	4,696	4,528	4,752	4,752	4,668	4,668	4,807	4,752	4,807	4,807	4,863	4,863	
radius in mm	167	174	174	168	162	170	170	167	167	172	170	172	172	174	174	
run-up in sec	41															
run-down in sec	☐ 27    ☐ 550															
temperature in °C <sup>1)</sup>	0															

capacity in ml	200	225	250	290
Ø x L in mm	60x130	61x137	61x122	62x137
<b>Cat. No.</b>	<b>Nunc®</b>	<b>Falcon®</b>	<b>5127</b>	-
lid with bio-containment <sup>5)</sup> Cat. No. 1751				
<b>carrier</b> Cat. No. 1752				
<b>Cat. No.</b>	<b>1778</b>	<b>1782</b>	<b>1769</b>	
boring Ø x L in mm	62x111	62x111	62x100	
tubes per rotor	4	4	4	
max. RCF <sup>2)</sup>	4,863	4,863	4,863	
radius in mm	174	174	174	
run-up in sec	41			
run-down in sec	☐ 27    ☐ 550			
temperature in °C <sup>1)</sup>	0			

<sup>10)</sup> The screw cap for tube No. 0538 is available with Cat. No. 0539. Dimensions with cap 38 x 106 mm.

# ROTORS AND ACCESSORIES

## Swing-out rotor, 4-place



±90°

n = 4,600 min<sup>-1</sup>  
max. RCF 3,832

illustrated with carriers 1430 and lids 1382  
with bio-containment<sup>5)</sup>

**Cat. No. (without carriers) 1724**

capacity in ml	1.5	2.0	1	3	5	6	7	9	15	25	50	85	100
Ø x L in mm	11x38	11x38	6x45	10x60	12x75	12x82	12x100	14x100	17x100	24x100	34x100	38x106	44x100
<b>Cat. No.</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>0521<sup>2)</sup></b>	<b>0549</b>	<b>0526<sup>2)</sup></b>
lid with bio-containment <sup>5)</sup> Cat. No. 1382													
carrier Cat. No. 1430													
<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>	<b>0761</b>	
boring Ø x L in mm	11.2x38	6.5x34	10.5x43		13.4x48			17.6x91	25.2x87	35.2x87	38.5x92	45.6x98	
tubes per rotor	20	108	36		20			16			4		
max. RCF <sup>2)</sup>	3,549	3,738	3,785		3,690			3,667	3,525	3,501	3,761	3,690	
radius in mm	150	158	160		156			155	149	148	159	156	
run-up in sec	16												
run-down in sec	☐ 15    ○ 232												
temperature in °C <sup>1)</sup>	-5												

capacity in ml	1.1-1.4	2.6-2.9	2.7-3	4-5.5	4.5-5	4.9	7.5-8.2	9-10	10	1.6-5	4-7	4-7	8.5-10
Ø x L in mm	8x66	13x65	11x66	15x75	11x92	13x90	15x92	16x92	15x102	13x75	13x100	16x75	16x100
<b>Cat. No.</b>	<b>blood collection/urine tubes</b>												
lid with bio-containment <sup>5)</sup> Cat. No. 1382													
carrier Cat. No. 1430													
<b>Cat. No.</b>	<b>1457</b>	<b>1383</b>	<b>1459</b>	<b>1383</b>	<b>1459</b>	<b>1329</b>	<b>1329<sup>4)</sup></b>	<b>1383</b>	<b>1348</b>				
boring Ø x L in mm	9x47	13.4x48	15.6x47	13.4x48	15.6x47	17.6x91	13.4x48	16.5x56					
tubes per rotor	28	20	16	20	16	16	20	16					
max. RCF <sup>2)</sup>	3,714	3,690	3,714	3,690	3,714	3,667	3,832	3,690					
radius in mm	157	156	157	156	157	155	162	156					
run-up in sec	16												
run-down in sec	☐ 15    ○ 232												
temperature in °C <sup>1)</sup>	-5												

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

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

3) When using these tubes, carrier 1430 cannot be closed with lid 1382.




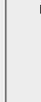



















































# ROTORS AND ACCESSORIES



illustrated with carriers 1430 and lids 1382  
with bio-containment<sup>5)</sup>

## Swing-out rotor Cat. No. (without carriers) 1724

capacity in ml	15	15	30	50	12	25	30	50	10	30	50	85	30	
Ø x L in mm	17x120	17x120	25x110	29x115	17x100	25x90	25x110	29x115	16x80	26x95	29x107	38x106	44x105	
<b>Cat. No.</b>	<b>0509</b>	<b>0509</b>	-	<b>0513</b>	-					<b>0545</b>	<b>0546</b>	<b>0547</b>	<b>0534<sup>6)</sup></b>	
lid with bio-containment <sup>5)</sup> Cat. No. 1382 														
														
<b>Cat. No.</b>	<b>1356</b>	<b>1347</b>	<b>1365</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	17x107	17x90	26x80	30x90	17x80	26x72	26x80	29.5x80	16.5x56	26x83	29x93	38.5x92	45.6x98	
tubes per rotor	12	4				4				16	4			
max. RCF <sup>2)</sup>	3,832				3,407				3,832	3,690	3,549	3,785	3,761	3,667
radius in mm	162				144				162	156	150	160	159	155
run-up in sec	16													
run-down in sec	☐ 15    ○ 232													
temperature in °C <sup>1)</sup>	-5													

capacity in ml	1.5	2.0	1	3	5	6	7	9	15	25	50	100
Ø x L in mm	11x38	11x38	6x45	10x60	12x75	12x82	12x100	14x100	17x100	24x100	34x100	44x100
<b>Cat. No.</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>0521<sup>2)</sup></b>	<b>0526<sup>2)</sup></b>
												
												
<b>Cat. No.</b>	<b>1444</b>	<b>1432</b>	<b>1433</b>	<b>1438</b>	<b>1434</b>	<b>1434</b>	<b>1431</b>	<b>1431</b>	<b>1435</b>	<b>1436</b>	<b>1437</b>	<b>1437</b>
boring Ø x L in mm	11.5x38	6.5x34	10.5x40	13.4x50	12.7x60		17.5x84		25.5x84	35.5x84	45.5x86	
tubes per rotor	36	144	56	28	48		28		8	4	4	
max. RCF <sup>2)</sup>	3,572	3,643	3,596				3,501					
radius in mm	151	154	152				148					
run-up in sec	16											
run-down in sec	☐ 15    ○ 232											
temperature in °C <sup>1)</sup>	-5											

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

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

<sup>6)</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.




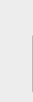



















# ROTORS AND ACCESSORIES



illustrated with carriers 1425

## Swing-out rotor Cat. No. (without carriers) 1724

capacity in ml	2.6–2.9	2.7–3	4–5.5	4.5–5	4.9	7.5–8.2	9–10	1.6–5	4–7	4–7	8.5–10	15	50	50		
Ø x L in mm	13x65	11x66	15x75	11x92	13x90	15x92	16x92	13x75	13x100	16x75	16x100	17x120	29x115	29x115		
<b>Cat. No.</b>	<b>blood collection/urine tubes</b>											<b>0509</b>	<b>0513</b>	<b>-</b>		
 <b>carrier</b> Cat. No. 1425																
																
<b>Cat. No.</b>	<b>1438</b>	<b>1441</b>	<b>1438</b>	<b>1431</b>	<b>1439</b>	<b>1438</b>	<b>1441</b>	<b>1736</b>	<b>1443</b>	<b>1737</b>						
boring Ø x L in mm	13.4x50	16.5x50	13.4x50	17.5x84	17x45	13.4x50	16.5x50	17x90	30x90							
tubes per rotor	28						16	28		16	4					
max. RCF <sup>2)</sup>	3,596						3,596	3,596		3,738	3,738					
radius in mm	152						152	152		158	158					
run-up in sec	16															
run-down in sec	☐ 15    ☐ 232															
temperature in °C <sup>1)</sup>	-5															

capacity in ml	1.5/2.0	1	3	5	6	7	9	15	25	50	
Ø x L in mm	11x38	6x45	10x60	12x75	12x82	12x100	14x100	17x100	24x100	34x100	
<b>Cat. No.</b>	2078/0536	-	Rhesus	-	0553 <sup>2)</sup>	0501 <sup>2)</sup>	0578 <sup>2)</sup>	0500 <sup>2)</sup>	0518 <sup>2)</sup>	0519 <sup>2)</sup>	0521 <sup>2)</sup>
 <b>carrier</b> Cat. No. 1427											
											
<b>Cat. No.</b>	<b>5277</b>	<b>5273</b>	<b>1357</b>	<b>1327</b>	<b>1732</b>	<b>5229</b>	<b>5230</b>	<b>5237</b>	<b>5231</b>	<b>5232</b>	<b>5233</b>
boring Ø x L in mm	11.5x38	13.7x38	6.5x23	10.5x23	13.4x58	12.5x44	12.4x87	15x73	17.8x87	25.5x87	35.5x87
tubes per rotor	36	48	120	48	32	48	48	24	24	8	4
max. RCF <sup>2)</sup>	3,761	3,714	3,738	3,714	3,690	3,714	3,620				
radius in mm	159	157	158	157	156	157	153				
run-up in sec	16										
run-down in sec	☐ 15    ☐ 232										
temperature in °C <sup>1)</sup>	-5										

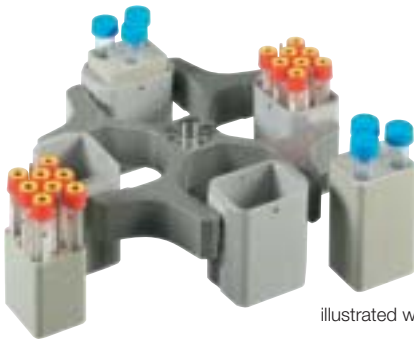
1) Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be reached by reducing the speed.

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

3) When using these tubes, carrier 1427 cannot be closed with lid 1421.

4) Please remove the inserts.

# ROTORS AND ACCESSORIES



illustrated with carriers 1427



illustrated with carriers 1427 and lids 1421

## Swing-out rotor Cat. No. (without carriers) 1724

capacity in ml	1.1–1.4	2.6–2.9	2.7–3	4–5.5	4.5–5	4.9	7.5–8.2	9–10	10	1.6–5	4–7	4–7	8.5–10
Ø x L in mm	8x66	13x65	11x66	15x75	11x92	13x90	15x92	16x92	15x102	13x75	13x100	16x75	16x100
<b>Cat. No.</b>	<b>blood collection/urine tubes</b>												
lid Cat. No. 1421													
carrier Cat. No. 1427													
<b>Cat. No.</b>	<b>5278</b>	<b>1732</b>	<b>5229</b>	<b>5279</b>	<b>5230</b>	<b>1732</b>	<b>5279</b>	<b>5271<sup>4)</sup></b>	<b>5279</b>	<b>1732</b>	<b>5271</b>	<b>5231</b>	
boring Ø x L in mm	9x41	13.4x58	12.5x44	15.6x41	12.4x87	13.4x58	15.6x41	17x66	15.6x41	13.4x58	17x66	17.8x87	
tubes per rotor	48	32	48	20	48	32	20			32	20	24	
max. RCF <sup>2)</sup>	3,761	3,690	3,714	3,761	3,620	3,690	3,761	3,643	3,761	3,690	3,643	3,620	
radius in mm	159	156	157	159	153	156	159	154	159	156	154	153	
run-up in sec	16												
run-down in sec	☐ 15    ○ 232												
temperature in °C <sup>1)</sup>	-5												

capacity in ml	15	30	50	25	30	50	suspension for cyto accessories
Ø x L in mm	17x120	25x110	29x115	25x90	25x110	29x115	
<b>Cat. No.</b>	<b>0509</b>	-	<b>0513</b>	-	-	-	<b>cyto chambers<sup>7)</sup></b>
lid Cat. No. 1421							
carrier Cat. No. 1427							
<b>Cat. No.</b>	<b>1733</b>	<b>1731</b>	<b>5276</b>	<b>1731</b>	<b>5233</b>	<b>1452</b>	
boring Ø x L in mm	17x90	25.5x72	30x90	25.5x72	35.5x87		-
tubes per rotor	12	8	4	8	4		4
max. RCF <sup>2)</sup>	3,809	3,643	3,714	3,643	3,620		2,721
radius in mm	161	154	157	154	153		115
run-up in sec	16						
run-down in sec	☐ 15    ○ 232						
temperature in °C <sup>1)</sup>	-5						

<sup>7)</sup> Please ask for our detailed cyto brochure.

# ROTORS AND ACCESSORIES

## Swing-out rotor, 4-place



±90°

n = 4,000 min<sup>-1</sup>  
max. RCF 3,095

illustrated with carriers 5051  
and lids 5053

**Cat. No.** (without carriers) **1798**

capacity in ml	1.5/2.0		3	5	6	7	9	15	25	50	100	100
Ø x L in mm	11 x 38		10 x 60	12 x 75	12 x 82	12 x 100	14 x 100	17 x 100	24 x 100	34 x 100	40 x 115	44 x 100
<b>Cat. No.</b>	-	<b>2078/0536</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>0523<sup>2)</sup></b>	<b>0526<sup>2)</sup></b>
lid Cat. No. 5053												
carrier Cat. No. 5051												
<b>Cat. No.</b>	<b>5257</b>	<b>5281</b>	<b>5267</b>	<b>5227</b>	<b>5247<sup>3)</sup></b>	<b>5264</b>	<b>5248<sup>3)</sup></b>	<b>5242</b>	<b>5243</b>	<b>5249</b>	<b>5262</b>	
boring Ø x L in mm	12.5 x 42	11.5 x 50	11 x 44	12.5 x 42	12.5 x 86	16 x 50	17.5 x 86	26 x 86	36 x 86	42 x 86	45.5 x 86	
tubes per rotor	160	64	80	80	80	48	48	20	8	4		
max. RCF <sup>2)</sup> upper/lower	1,950/2,826	2,826	2,737	2,773	2,755	2,773	2,755					
radius in mm upper/lower	109/158	158	153	155	154	155	154					
run-up in sec	20											
run-down in sec												
temperature in °C <sup>1)</sup>	-8											

capacity in ml	1.1-1.4	2.6-2.9	2.7-3	4-5.5	4.5-5	4.9	7.5-8.2	9-10	10	1.6-5	4-7	4-7	8.5-10
Ø x L in mm	8 x 66	13 x 65	11 x 66	15 x 75	11 x 92	13 x 90	15 x 92	16 x 92	15 x 102	13 x 75	13 x 100	16 x 75	16 x 100
<b>Cat. No.</b>	<b>blood collection/urine tubes</b>												
lid Cat. No. 5053													
carrier Cat. No. 5051													
<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>5264</b>	<b>5264</b>	<b>5248</b>	
boring Ø x L in mm	11 x 44	13.5 x 52	12.5 x 42	16 x 50	12.5 x 42	13.5 x 52	16 x 50	17.6 x 86	13.5 x 52	16 x 50	17.5 x 86		
tubes per rotor	80	48	80	48	80	48		44	48				
max. RCF <sup>2)</sup>	2,737	2,808	2,773			2,808	2,773	2,755	2,808	2,773	2,755		
radius in mm	153	157	155			157	155	154	157	155	154		
run-up in sec	20												
run-down in sec													
temperature in °C <sup>1)</sup>	-8												

<sup>1)</sup> Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be reached 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 cannot be closed with lid 5053.















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































# ROTORS AND ACCESSORIES



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

## Swing-out rotor Cat. No. (without carriers) 1798

capacity in ml	15	30	50	12	30	50	suspension for cyto accessories
Ø x L in mm	17x120	25x110	29x115	17x100	25x110	29x115	
<b>Cat. No.</b>	<b>0509</b>	-	<b>0513</b>	-	-	-	<b>cyto chambers<sup>7)</sup></b>
lid Cat. No. 5053							
<b>carrier</b> Cat. No. 5051							
<b>Cat. No.</b>	<b>6306</b>	<b>5266</b>	<b>5259</b>	<b>6306</b>	<b>5266</b>	<b>5243</b>	<b>5280</b>
boring Ø x L in mm	17x90	26x86	30x86	17x90	26x86	36x86	-
tubes per rotor	28	20	8	28	20	8	8
max. RCF <sup>2)</sup> upper/lower	2,898	2,755	2,826	2,898	2,755	2,755	1,735/ 2,737
radius in mm upper/lower	162	154	158	162	154	154	97/ 153
run-up in sec	20						
run-down in sec	☐ 14    ○ 198						
temperature in °C <sup>1)</sup>	-8						

capacity in ml	5	6	7	10	15	25	50	100	100	250	15	30	50	12	25
Ø x L in mm	12x75	12x82	12x100	17x70	17x100	24x100	34x100	44x100	40x115	65x115	17x120	25x110	29x115	17x100	25x90
<b>Cat. No.</b>	<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>0519<sup>2)</sup></b>	<b>0521<sup>2)</sup></b>	<b>0526<sup>2)</sup></b>	<b>0523<sup>2)</sup></b>	<b>0530<sup>2)</sup></b>	<b>0509</b>	-	<b>0513</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>	<b>1791</b>	<b>5129<sup>4)</sup></b>	<b>5122</b>	<b>5123</b>	<b>5121</b>	<b>5134</b>		
boring Ø x L in mm	12.8x45	12.8x82	17.5x60.7	25.5x82	35.5x85	45.5x85	42x85	66x103	17x85	25.5x82	30x85	17.5x82	26x73		
tubes per rotor	48		32	16	4			4	28	16	8	28	12		
max. RCF <sup>2)</sup>	3,005		2,952	2,898	2,952			3,095	3,095	2,898	3,095	3,005	2,826		
radius in mm	168		165	162	165			173	173	162	173	168	158		
run-up in sec	20														
run-down in sec	☐ 14    ○ 221														
temperature in °C <sup>1)</sup>	-8														

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

<sup>7)</sup> Please ask for our detailed cyto brochure.

<sup>8)</sup> With Cat. No. 5247-91 or 5248-91 these adapters can also be ordered with a decanting aid.

# ROTORS AND ACCESSORIES

## Swing-out rotor, 10-place



±45°

n = 4,600 min<sup>-1</sup>  
max. RCF 3,856

## Swing-out rotor 1798

Cat. No. (with carriers) 1717

capacity in ml	30	50	10	250	290	1.1–1.4	2.6–2.9	2.7–3	4–5.5	4.5–5	4.9	7.5–8.2	9–10	10	1.6–5
Ø x L in mm	25x110	29x115	16x80	61x122	62x137	8x66	13x65	11x66	15x75	11x92	13x90	15x92	16x92	15x102	13x75
Cat. No.			-	5127	-	blood collection/urine tubes									
lid with bio-containment <sup>5)</sup> Cat. No. 5093															
carrier Cat. No. 5092															
Cat. No.	5122	5135	5136	6319		5138	5136	5120	5137		5136			5138	
boring Ø x L in mm	25.5x82	30x99	17.5x60.7	66x103		12.8x54.5	17.5x60.7	12.8x82	13.5x60.7		17.5x60.7			12.8x54.5	
tubes per rotor	16	8	32	4		48	32	48	32		32			48	
max. RCF <sup>2)</sup>	2,898	3,023	2,952	3,095		2,540	2,952	3,005	2,952		2,952			2,540	
radius in mm	162	169	165	173		142	165	168	165		165			142	
run-up in sec	20														
run-down in sec	☐ 14 ☐ 221														
temperature in °C <sup>1)</sup>	-8														

capacity in ml	4–7	4–7	4–7	8	8.5–10
Ø x L in mm	16x75	16x75	13x100	16x125	16x100
Cat. No.					
lid with bio-containment <sup>5)</sup> Cat. No. 5093					
carrier Cat. No. 5092					
Cat. No.	5136	5121-93	5120	5121 <sup>4)</sup>	5136
boring Ø x L in mm	17.5x60.7	17.5x52	12.8x82	17.5x82	17.5x60.7
tubes per rotor	32	28	48	28	32
max. RCF <sup>2)</sup>	2,952	3,005	3,005	3,059	2,952
radius in mm	165	168	168	171	165
run-up in sec	20				
run-down in sec	☐ 14 ☐ 221				
temperature in °C <sup>1)</sup>	-8				

capacity in ml	15	50
Ø x L in mm	17x120	29x115
Cat. No.	0509	0513
rotor Cat. No. 1717		
Cat. No.	1462-A	-
boring Ø x L in mm	17x84	38.4x89
tubes per rotor	10	
max. RCF <sup>2)</sup>	3,856	
radius in mm	163	
run-up in sec	16	16
run-down in sec	☐ 15 ☐ 430	☐ 15 ☐ 206
temperature in °C <sup>1)</sup>	-9	-9

<sup>1)</sup> Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be reached 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 5092 cannot be closed with lid 5093.

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

# ROTORS AND ACCESSORIES

## Swing-out rotor, 6-place






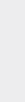


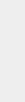
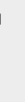






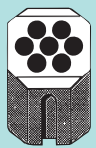










±90°

n = 4,000 min<sup>-1</sup>  
max. RCF 2,808

illustrated with carriers 1742

**Cat. No.** (without carriers) **1726**

capacity in ml	5	6	7	9	15	20	25	45	50	8.5–10	30	suspensions for cyto accessories			
Ø x L in mm	12 x 75	12 x 82	12 x 100	14 x 100	17 x 100	21 x 100	24 x 100	31 x 100	34 x 100	16 x 100	26 x 95				
<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>0521<sup>2)</sup></b>	<b>blood coll. tube</b>	<b>0545</b>	<b>cyto chambers<sup>7)</sup></b>			
 <b>rotor</b> Cat. No. <b>1726</b>															
<b>Cat. No.</b>	<b>1369-91</b>	<b>1372</b>	<b>1369-92</b>	<b>1369-92</b>	<b>1370</b>	<b>1369</b>	<b>1346</b>	<b>1745</b>	<b>1345</b>	<b>1746</b>	<b>1308</b>	<b>1369</b>	<b>1745</b>	<b>1660</b>	<b>1680</b>
boring Ø x L in mm	11.5 x 64.4	13.5 x 65	11.5 x 71.5	11.5 x 71.5	14.6 x 74	17.6 x 74	21.5 x 74	26 x 78	32 x 74	35 x 78	35.7 x 88.2	17.6 x 74	26 x 78	-	
tubes per rotor	24	102	24	24	30	24	12		6			24	12	6	
max. RCF <sup>2)</sup>	2,576	2,522	2,665	2,665			2,719	2,808	2,719	2,808	2,647	2,665	2,808	2,003	1,825
radius in mm	144	141	149	149			152	157	152	157	148	149	157	112	102
run-up in sec	16														
run-down in sec	☐ 22    ○ 210														
temperature in °C <sup>1)</sup>	-6													-10	

capacity in ml	15	2.6–2.9	4–5.5	7.5–8.2	9–10	10	1.6–5	4–7	8.5–10	15
Ø x L in mm	17 x 100	13 x 65	15 x 75	15 x 92	16 x 92	15 x 102	13 x 75	16 x 75	16 x 100	17 x 120
<b>Cat. No.</b>	<b>0518<sup>2)</sup></b>	<b>blood collection/urine tubes</b>								<b>0509</b>
 <b>carrier</b> Cat. No. <b>1742</b>										
<b>Cat. No.</b>	-	<b>0716</b>			-	-	<b>0716</b>		-	-
boring Ø x L in mm	17.6 x 78									
tubes per rotor	42	42	42	42	18	42	42	42	18	
max. RCF <sup>2)</sup>	2,808	2,683	2,808			2,683	2,808			
radius in mm	157	150	157			150	157			
run-up in sec	16									
run-down in sec	☐ 22    ○ 210									
temperature in °C <sup>1)</sup>	-6									

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

<sup>7)</sup> Please ask for our detailed cyto brochure.

<sup>9)</sup> Carrier must be loaded as illustrated.

# ROTORS AND ACCESSORIES



illustrated with carriers 1742

## Angle rotor, 8-place

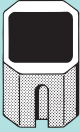









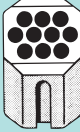







±45°
















n = 4,500 min<sup>-1</sup>  
max. RCF 3,283

**Swing-out rotor Cat. No. (without carriers) 1726**

**Cat. No. (without adapters) 1721**

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> Cat. No. <b>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	54		180	72	
max. RCF <sup>2)</sup>	2,325		2,308	2,290	
radius in mm	130		129	128	
run-up in sec	16				
run-down in sec	 22  210				
temperature in °C <sup>1)</sup>	-6				

capacity in ml	9	1.1–1.4	4.5–5	4.9	4–7
Ø x L in mm	14x100	8x66	11x92	13x90	13x100
<b>Cat. No.</b>	<b>0500<sup>2)</sup></b>	<b>blood collection tubes</b>			
 <b>carrier</b> Cat. No. <b>1741</b>					
<b>Cat. No.</b>	<b>0701</b>	-	-	-	-
boring Ø x L in mm	14.6x78				
tubes per rotor	60	36	60	60	
max. RCF <sup>2)</sup>	2,773	2,808		2,808	
radius in mm	155	157	157		
run-up in sec	16				
run-down in sec	 22  210				
temperature in °C <sup>1)</sup>	-6				

capacity in ml	5	1.1–1.4	2.6–2.9	2.7–3	9–10	1.6–5	15	15	50	12	50	50
Ø x L in mm	12x75	8x66	13x65	11x66	16x92	13x75	17x100	17x120	29x115	17x100	29x115	29x107
<b>Cat. No.</b>	<b>0553<sup>2)</sup></b>	<b>blood/urine tubes</b>					<b>0518<sup>2)</sup></b>	<b>0509</b>	<b>0513</b>	-	-	<b>0546</b>
 <b>rotor</b> Cat. No. <b>1721</b>												
<b>Cat. No.</b>	<b>1467</b>	<b>1467</b>	<b>1467</b>	<b>1467</b>	<b>1467</b>	<b>1467</b>	<b>1467</b>	<b>1467</b>	<b>1468</b>	<b>1467</b>	<b>1467</b>	<b>1468</b>
boring Ø x L in mm	13.5x60	13.5x60			17.4x91	13.5x60	17.4 x 91		30.2x92	17.4 x 91		30.2 x 92
tubes per rotor	32	32			32	32	32		8	32		8
max. RCF <sup>2)</sup>	2,762	2,762			3,215	2,762	3,215	3,283	3,147	3,215		3,147
radius in mm	122	122			142	122	142	145	139	142		139
run-up in sec	30											
run-down in sec	 31  640											
temperature in °C <sup>1)</sup>	- 11											

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

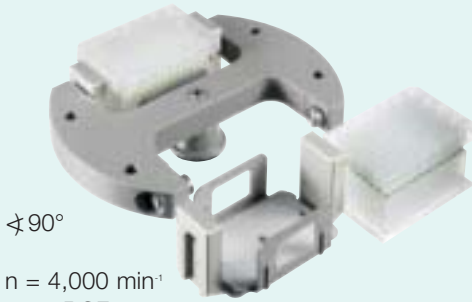
2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote 2) is 4,000.

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



# ROTORS AND ACCESSORIES

## Swing-out rotor, 2-place



↻ 90°

n = 4,000 min<sup>-1</sup>  
max. RCF 2,397

**Cat. No.** (without carriers) **1760**

## Swing-out rotor, 6-place



↻ 45°

**Hettich HT1405** n = 11,000 min<sup>-1</sup>, max. RCF 16,369  
**Hettich HT1404** n = 10,000 min<sup>-1</sup>, max. RCF 13,528

**Cat. No.** **1720**

D x W x H in mm	86 x 128 x 15/17.5		86 x 128 x 22	86 x 128 x 44.5	86 x 128 x 46	86 x 128 x 83	59 x 84 x 11	82 x 124 x 20	-
Cat. No.	MTP		CP	DWP	MS	QP	Microtest Plate (Terasaki)	PCR Plate, 96 wells	PCR strips
 <b>rotor</b> Cat. No. <b>1760</b>									
<b>Cat. No.</b>	<b>1753</b>							<b>1753 + 1469</b>	
boring Ø x L in mm	-								
plates/strips per rotor	10	8	6	2	2	2	4	2	24 x 8
max. RCF <sup>2)</sup>	2,397								
radius in mm	134								
run-up in sec	35								
run-down in sec	☐ 35    ○ 550								
temperature in °C <sup>1)</sup>	-8								

capacity in ml	1.5	2.0	15	25	50	75	85	7.5–8.2	9–10	8.5–10
Ø x L in mm	11 x 38		17 x 100	24 x 100	34 x 100	35 x 105	38 x 106	15 x 92	16 x 92	16 x 100
Cat. No.	<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>0548</b>	<b>0549</b>	<b>blood/urine tubes</b>		
 <b>rotor</b> Cat. No. <b>1720</b>										
<b>Cat. No.</b>	<b>1449</b>	<b>1451</b>	<b>1451</b>	<b>1447</b>	<b>1463</b>	-	<b>1451</b>	<b>1451</b>	<b>1451</b>	<b>1451</b>
boring Ø x L in mm	11.4 x 39		17.5 x 92	26 x 85	35 x 89	38.4 x 89	17.5 x 92	17.5 x 92	17.5 x 92	17.5 x 92
tubes per rotor	24		6	6	6	6	6	6	6	6
max. RCF <sup>2)</sup> classic/cooled	12,969/15,692		12,745/15,422	12,410/15,016	13,304/16,098	13,528/16,369	12,745/15,422	12,745/15,422	12,745/15,422	12,745/15,422
radius in mm	116		114	111	119	121	114	114	114	114
run-up in sec classic/cooled	35/63									
run-down in sec classic/cooled	☐ 36/60    ○ 780/960									
temperature in °C <sup>1)</sup>	+1									

<sup>9)</sup> Carrier must be loaded as illustrated.

# ROTORS AND ACCESSORIES

## Angle rotor, 6-place















±45°

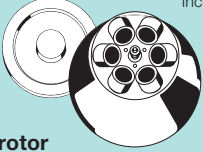

















**Hettich HT1405** n = 11,000 min<sup>-1</sup>, max. RCF 16,504

**Hettich HT1404** n = 10,000 min<sup>-1</sup>, max. RCF 13,640

### Angle rotor 1720

**Cat. No. 1792**

capacity in ml	15	50	10	30	50	85
Ø x L in mm	17 x 120	29 x 115	16 x 80	26 x 95	29 x 107	38 x 106
<b>Cat. No.</b>	<b>0509</b>	<b>0513</b>	-	<b>0545</b>	<b>0546</b>	<b>0547</b>
 <b>rotor</b> Cat. No. <b>1720</b>						
						
<b>Cat. No.</b>	<b>1466</b>	<b>1454</b>	<b>1448</b>	<b>1447</b>	<b>1446</b>	-
boring Ø x L in mm	17 x 106	29.8 x 97	16.5 x 74	26 x 85	29 x 92	38.4 x 89
tubes per rotor	6		12	6		
max. RCF <sup>2)</sup> classic/cooled	13,081/15,828	12,745/15,422	12,410/15,016	12,410/15,016	12,969/15,692	13,528/16,369
radius in mm	117	114	111	111	116	121
run-up in sec classic/cooled	35/63					
run-down in sec classic/cooled	☐ 36/60    ☐ 780/960					
temperature in °C <sup>1)</sup>	+1					

capacity in ml	1.5	2.0	15	25	50	75	85	7.5-8.2	9-10	10	8.5-10
Ø x L in mm	11 x 38		17 x 100	24 x 100	34 x 100	35 x 105	38 x 106	15 x 92	16 x 92	15 x 102	16 x 100
<b>Cat. No.</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>0548</b>	<b>0549</b>	<b>blood/urine tubes</b>			
 <b>rotor</b> Cat. No. <b>1792</b>											
											
<b>Cat. No.</b>	<b>1449</b>	<b>1451</b>	<b>1447</b>	<b>1463</b>			-	<b>1451</b>			
boring Ø x L in mm	11.4 x 39		17.5 x 92	26 x 85	35 x 89	38.2 x 89.6		17.5 x 92			
tubes per rotor	24		6								
max. RCF <sup>2)</sup> classic/cooled	13,081/15,828		12,857/15,557	12,522/15,151	13,640/16,504	13,640/16,504		12,857/15,557			
radius in mm	117		115	112	122	122		115			
run-up in sec classic/cooled	35/57										
run-down in sec classic/cooled	☐ 36/59    ☐ 930/1,040										
temperature in °C <sup>1)</sup>	+4										

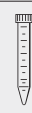













<sup>1)</sup> Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be reached by reducing the speed.


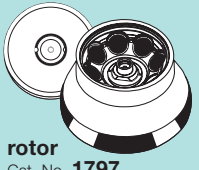
<sup>2)</sup> Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote <sup>2)</sup> is 4,000.







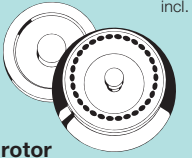


<sup>5)</sup> Tested by the TÜV in conformity with DIN EN 61010, section 2-020.







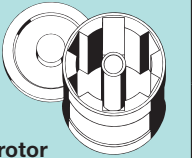



# ROTORS AND ACCESSORIES

Angle rotor, 30-place	Drum rotor, 6-place	Angle rotor, 8-place rotor only for Hettich HT1405
		
↘ 45°		↘ 25°
n = 15,000 min <sup>-1</sup> max. RCF 24,400	n = 15,000 min <sup>-1</sup> max. RCF 18,866	n = 14,000 min <sup>-1</sup> max. RCF 22,789
with bio-containment <sup>5)</sup>	illustrated with adapters 1377	
<b>Cat. No. 1789</b>	<b>Cat. No. (without adapters) 1711</b>	<b>Cat. No. 1797</b>

capacity in ml	15	50	10	30	50	85	94
Ø x L in mm	17x120	29x115	16x80	26x95	29x107	38x106	38x102
<b>Cat. No.</b>	<b>0509</b>	<b>0513</b>	-	<b>0545</b>	<b>0546</b>	<b>0547</b>	<b>0538<sup>10)</sup></b>
lid with bio-containment <sup>5)</sup> incl.							
<b>rotor</b> Cat. No. <b>1792</b>							
<b>Cat. No.</b>	<b>1466</b>	<b>1454</b>	<b>1448</b>	<b>1447</b>	<b>1446</b>	-	
boring Ø x L in mm	17 x 106	29,8 x 97	16,5 x 74	26 x 85	29 x 92	38,2 x 89,6	
tubes per rotor	6		12	6			
max. RCF <sup>2)</sup> classic/cooled	13,081/15,828	13,304/16,098	12,857/15,557	12,522/15,151	13,081/15,828	13,640/16,504	
radius in mm	117	119	115	112	117	122	
run-up in sec classic/cooled	55/57						
run-down in sec classic/cooled	☐ 57/59    ☐ 930/1,040						
temperature in °C <sup>1)</sup>	+4						


capacity in ml	50
Ø x L in mm	29 x 115
<b>Cat. No.</b>	<b>0513</b>
lid incl.	
<b>rotor</b> Cat. No. <b>1797</b>	
<b>Cat. No.</b>	-
boring Ø x L in mm	30 x 103
tubes per rotor	8
max. RCF <sup>2)</sup>	22,789
radius in mm	104
run-up in sec	55
run-down in sec	☐ 57    ☐ 1,150
temperature in °C <sup>1)</sup>	+13

capacity in ml	0.2	0.4	0.5	0.8	1.5	2.0
Ø x L in mm	6x18	6x45	8x30	8x45	11x38	
<b>Cat. No.</b>	-				<b>2078</b>	<b>0536</b>
lid with bio-containment <sup>5)</sup> incl.						
<b>rotor</b> Cat. No. <b>1789</b>						
<b>Cat. No.</b>	<b>2024</b>	<b>2023</b>	<b>2031<sup>11)</sup></b>	-		
boring Ø x L in mm	6x40	8x40	10,2x19	11,2x40,9		
tubes per rotor	30					
max. RCF <sup>2)</sup>	24,400					
radius in mm	97					
run-up in sec	19					
run-down in sec	☐ 17    ☐ 241					
temperature in °C <sup>1)</sup>	+4					

capacity in ml	0.2	0.4	0.5	0.8	1.5	2.0
Ø x L in mm	6x18	6x45	8x30	8x45	11x38	
<b>Cat. No.</b>	-				<b>2078</b>	<b>0536</b>
lid incl.						
<b>rotor</b> Cat. No. <b>1711</b>						
<b>Cat. No.</b>	<b>1378</b>	<b>1379</b>	<b>1377</b>			
boring Ø x L in mm	6x40	8,4x43	10,8x37			
tubes per rotor	192	126	60			
max. RCF <sup>2)</sup>	18,866					
radius in mm	75					
run-up in sec	33					
run-down in sec	☐ 35    ☐ 368					
temperature in °C <sup>1)</sup>	+2					

<sup>10)</sup> The screw cap for tube No. 0538 is available with Cat. No. 0539. Dimensions with cap 38 x 106 mm.

<sup>11)</sup> For centrifugation at high speeds, we recommend to use form-fitting, phenol-resistant adapters 2031.

TECHNOLOGY	HT1404		HT1405	
<b>Benchtop centrifuge, without rotor</b>	<b>classic</b>		<b>cooled</b>	
Power supply <sup>*)</sup>	208 – 240 V 1 ~	110 – 127 V 1 ~	208-240 V 1~/220-240 V 1~	110 – 127 V 1 ~
Frequency	50 – 60 Hz		50/60 Hz	60 Hz
Consumption	700 VA	850 VA	1,300 VA	1,400 VA
Emission	EN 55011 group 1, class B, EN 61000-3-2, EN 61000-3-3	FCC class B	EN 55011 group 1, class B, EN 61000-3-3	FCC class B
Immunity	EN 61000-6-2	-	EN 61000-6-2	-
 Max. capacity	4 x 290 ml			
Max. RPM (speed)	15,000 min <sup>-1</sup>			
Max. RCF	24,400			
Running time	1 sec – 99 h : 59 min : 59 sec, ∞ continuous run, short cycle mode (impulse key)			
Dimensions (HxWxD)	418 x 457 x 600 mm		418 x 457 x 750 mm	
Weight	approx. 53 kg		approx. 82 kg	
<b>Refrigeration</b>				
Temperature control, infinitely variable	-		from -20 to +40 °C	
<b>Cat. No.</b>	<b>1701</b>	<b>1701-01</b>	<b>1706</b>	<b>1706-01</b>

<sup>\*)</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 9001:2000 and ISO 13485:2003 certificates accredited to the company bear witness to the extreme care and responsibility Hettich puts into the manufacturing of centrifuges and their accessories.



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