

**ANOTHER
DIMENSION**



**Hettich HT1406 / HT1407
Benchtop Centrifuges
classic/cooled**

Hettich
ZENTRIFUGEN

Developed for large volumes, yet not overly large in size. High performance when it counts, yet cost-effective and fair to your budget. The Hettich HT1406 / HT1407 centrifuges offer these benefits and more.

The new, compact benchtop centrifuges are conceived for high sample throughput as well as for high sample volumes. With a maximum capacity of 4 x 600 ml, 140 blood collection tubes or 16 microtitre plates are ideal for applications in clinical chemistry, in biotechnology and in life science research facilities.



Hettich HT1406 classic

PERFORMANCE



- High capacity
 - max. 4 x 600 ml
- High RCF
 - up to 16,504 for 94 ml tubes
 - up to 12,007 for 250 ml bottles
 - up to 24,400 for reaction tubes

DESIGN

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

USER-FRIENDLINESS

- Automatic lid locking
- Ergonomic control and information panel
- Easy rotor changing
- 99 program storage spaces

COOLING (Hettich HT1407)

- 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 HT1407)

OPTIONS

The following are available as options, the Hettich HT1407

- with connection for nitrogen rinsing
Cat. No. **4706-20**
for centrifugation of reactive substances or substances which are unstable in aerial oxygen. As required, a monitoring control system should be available to measure oxygen concentration.
- as heating/cooling version up to +90 °C (or +194 °F)
Cat. No. **4706-50**
for applications calling for temperatures over +40 °C.

OPERATION AND CONTROL

The advanced C control panel significantly facilitates the daily laboratory routine.

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 can be selected. Ramp 9 represents the shortest braking and acceleration time. 98 program memory positions are available. Additional program position "PREC" (PRECOOLING) is reserved for the pre-cooling program.

The temperature in the Hettich HT1407 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, in the heating/cooling versions, between - 20 °C and + 90 °C or, between - 4 °F and + 194 °F.

DIGITAL DISPLAY AND CONTROL PANEL

KEYBOARD

START	Start centrifugation run / short centrifuging runs / save entries and changes Start pre-cooling program PREC
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 (Hettich HT1407)
	Input of acceleration levels 1 – 9 Input of braking levels 1 – 9 Input brake force cut-off
RCF	Input relative centrifuging acceleration (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 s) or continuous operation



Hettich HT1407 control panel



Hettich HT1407 cooled

ROTORS AND ACCESSORIES

Swing-out rotor, 4-place



±90°

n = 4,500 min⁻¹
max. RCF 4,166

Cat. No. (without carriers) **HTR1635**

capacity in ml	1.5	2.0	3	4	4	5	6	7	10	15	25	50	75	85	100	
Ø x L in mm	11 x 38		10 x 60	10 x 88	12 x 60	12 x 75	12 x 82	12 x 100	17 x 70	17 x 100	24 x 100	34 x 100	35 x 105	38 x 106	40 x 115	
Cat. No.	2078	0536	-			0553²⁾	0501²⁾	0578²⁾	2079	0518²⁾	0519²⁾	0521²⁾	0548	0549	0523²⁾	
lid with bio-containment ⁴⁾ Cat. No. 4751																
carrier Cat. No. HTC1722																
Cat. No.	4773	4761	4762			4763			4764	4765	4766					
boring Ø x L in mm	11.2 x 38		11.2 x 54			13.4 x 55			17.5 x 62		26.5 x 69		36 x 77		42 x 76.5	
tubes per rotor	96		140			104			72		28		16		12	
max. RCF	4,030										4,007					
radius in mm	178										177					
run-up in sec	40															
run-down in sec	40 550															
temperature in °C ¹⁾	+2															

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	1.6–5	4–7	4–7	8	8.5–10
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	13 x 75	13 x 100	16 x 75	16 x 125	16 x 100
Cat. No.	0526²⁾	0530²⁾	blood collection / urine tubes												
lid with bio-containment ⁴⁾ Cat. No. 4751															
carrier Cat. No. HTC1722															
Cat. No.	4767	4768	4761	4775	4763	4761	4762	4763	4775	4763					
boring Ø x L in mm	46 x 76.5	66 x 103	11.2 x 54	13.4 x 54	17.5 x 62	11.2 x 54	13.4 x 55	17.5 x 62	13.4 x 54	17.5 x 62					
tubes per rotor	8	4	140	84	72	140	104	72	84	72					
max. RCF	4,007	3,985	4,030												
radius in mm	177	176	178												
run-up in sec	40														
run-down in sec	40 550														
temperature in °C ¹⁾	+2														

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







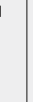























²⁾ Please make sure not to exceed the tubes' max. permissible RCF. The max. RCF for glass tubes is 4,000.


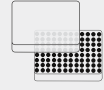






³⁾ When using these tubes, carrier 4750 cannot be closed with lid 4751.

⁴⁾ Tested by the TÜV in conformity with DIN EN 61010, section 2-020.

ROTORS AND ACCESSORIES

Swing-out rotor HTR1635

capacity in ml	15	50	12	25	30	50	10	30	50	85	94	250	400	400	600
Ø x L in mm	17 x 120	29 x 115	17 x 100	25 x 90	25 x 110	29 x 115	16 x 80	26 x 95	29 x 107	38 x 106	38 x 102	61 x 122	81 x 136	84 x 134	93 x 134
Cat. No.	0509	0513	-					0545	0546	0547	0538⁶⁾	5127	-		0551
lid with bio-containment ⁴⁾ Cat. No. 4751															
carrier Cat. No. HTC1722															
Cat. No.	4769	4770	4774	4764		4770⁴⁾	4763	4764	4770⁴⁾	4766	4771	4772		-	
boring Ø x L in mm	17 x 84	30 x 82.5	17.2 x 82.5	26.5 x 69		30 x 82.5	17.5 x 62	26.5 x 69	30 x 82.5	42 x 76.5	62 x 100	85 x 100		94 x 99	
tubes per rotor	52	20	60	28		20	72	28	20	12	4				
max. RCF	4,166	4,143		4,030		4,143	4,030		4,143	4,007		4,166			
radius in mm	184	183		178		183	178		183	177		184			
run-up in sec	40														
run-down in sec	I 40 [550														
temperature in °C ¹⁾	+2														

D x W x H in mm	86 x 128 x 15	86 x 128 x 17.5	86 x 128 x 22	86 x 128 x 44.5	86 x 128 x 46	59 x 84 x 11	82 x 124 x 20	-
capacity in ml	-							0.2
Cat. No.	MTP		CP	DWP	MS	Microtest plate (Terasaki)	PCR plate 96-place	PCR-Strips
carrier Cat. No. HTC1723								
Cat. No.	-						1469	
boring Ø x L in mm	-							
plates/racks per rotor	16	16	12	4	4	8	4	48 x 8
max. RCF	3,600							
radius in mm	159							
run-up in sec	40							
run-down in sec	I 40 [550							
temperature in °C ¹⁾	+2							

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

²⁾ Please make sure not to exceed the tubes' max. permissible RCF. The max. RCF for glass tubes is 4,000.

³⁾ When using these tubes, carrier 5091 cannot be closed with lid 5095.

⁴⁾ Please remove the inserts.

ROTORS AND ACCESSORIES

Swing-out rotor, 4-place

±90°



n = 4,000 min⁻¹
max. RCF 3,095

illustrated with carriers 5091
and lids 5095

Cat. No. (without carriers) **HTR1636**

capacity in ml	1.5	2.0	1.5	2.0	3	5	6	7	9	15	25	50	100	100
Ø x L in mm	11x38		11x38		10x60	12x75	12x82	12x100	14x100	17x100	24x100	34x100	44x100	40x115
Cat. No.	2078	0536	2078	0536	-	0553²⁾	0501²⁾	0578²⁾	0500²⁾	0518²⁾	0519²⁾	0521²⁾	0526²⁾	0523²⁾
lid Cat. No. 5095														
carrier Cat. No. HTC1720														
Cat. No.	5257	5281	5267	5227	5247⁷⁾	5264	5248⁷⁾	5242	5243	5262	5249	5249	5249	5249
boring Ø x L in mm	12.5x42	11.5x50	11x44	12.5x42	12.5x86	16x50	17.5x86	26x86	36x86	45.5x86	42x86	42x86	42x86	42x86
tubes per rotor	160	64	80	80	80	48	48	20	8	4		4		4
max. RCF upper/lower	1,950/2,826	2,826	2,737	2,773	2,755	2,773	2,755		2,755		2,755		2,755	
radius in mm upper/lower	109/158	158	153	155	154	155	154		154		154		154	
run-up in sec	18													
run-down in sec	16 [260													
temperature in °C ¹⁾	- 1													

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	16x75	13x100	16x100
Cat. No.	blood collection / urine tubes												
lid Cat. No. 5095													
carrier Cat. No. HTC1720													
Cat. No.	5267	5268	5227	5264	5227	5268	5264	5258	5268	5264	5268	5268	5248
boring Ø x L in mm	11x44	13.5x52	12.5x42	16x50	12.5x42	13.5x52	16x50	17.6x86	13.5x52	16x50	13.5x52	17.5x86	17.5x86
tubes per rotor	80	48	80	48	80	48	48	44	48		48		48
max. RCF upper/lower	2,737	2,808	2,773	2,773	2,808	2,773	2,755	2,808	2,773	2,808	2,755	2,755	2,755
radius in mm upper/lower	153	157	155	155	157	155	154	157	155	157	154	154	154
run-up in sec	18												
run-down in sec	16 [260												
temperature in °C ¹⁾	- 1												














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












⁶⁾ The screw cap for tube No. 0538 is available with Cat. No. 0539. Dimensions with cap 38 x 106 mm.

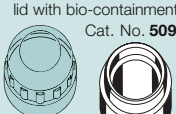










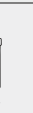



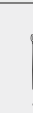

















⁷⁾ With Cat. No. 5247-91 or 5248-91 these adapters can also be ordered with a decanting aid.

ROTORS AND ACCESSORIES

Swing-out rotor HTR1636

capacity in ml	15	50	12	30	50	two-tier frame for cyto accessories
Ø x L in mm	17x120	29x115	17x100	25x110	29x115	
Cat. No.	0509	0513	-			cyto chambers⁶⁾
 carrier Cat. No. HTC1720						
						
Cat. No.	6306	5259	6306	5266	5243	5280
boring Ø x L in mm	17x90	30x86	17x90	26x86	36x86	-
tubes per rotor	28	8	28	20	8	8
max. RCF upper/lower	2,898	2,826	2,898	2,755		1,735/2,737
radius in mm upper/lower	162	158	162	154		97/153
run-up in sec	18					
run-down in sec	16 [260					
temperature in °C ¹⁾	-1					

capacity in ml	5	6	7	10	15
Ø x L in mm	12x75	12x82	12x100	17x70	17x100
Cat. No.	0553²⁾	0501²⁾	0578²⁾	2079	0518²⁾
 carrier Cat. No. 5092					
					
Cat. No.	5128	5120	5136		
boring Ø x L in mm	12.8x45		12.8x82	17.5x60.7	
tubes per rotor	48			32	
max. RCF	3,005			2,952	
radius in mm	168			165	
run-up in sec	18				
run-down in sec	16 [260				
temperature in °C ¹⁾	-1				

capacity in ml	25	50	100	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
Ø x L in mm	24x100	34x100	44x100	40x115	65x115	8x66	13x65	11x66	15x75	11x92	13x90	15x92	16x92	15x102	13x75	13x100
Cat. No.	0519²⁾	0521²⁾	0526²⁾	0523²⁾	0530²⁾	blood collection / urine tubes										
 carrier Cat. No. HTC1707																
																
Cat. No.	5122	5124	5125	5126	1791	5137	5136	5137	5136	5137	5136	5136	5136	5137	5137	5137
boring Ø x L in mm	25.5x82	35.5x85	45.5x85	42x85	66x103	13.5x60.7		17.5x60.7	13.5x60.7		17.5x60.7		13.5x60.7			
tubes per rotor	16	4				32										
max. RCF	2,898	2,952	2,952		3,095	2,952										
radius in mm	162	165	165		173	165										
run-up in sec	18															
run-down in sec	16 [260															
temperature in °C ¹⁾	-1															

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

²⁾ Please make sure not to exceed the tubes' max. permissible RCF. The max. RCF for glass tubes is 4,000.

³⁾ When using these tubes, carrier 5091 cannot be closed with lid 5095.

⁴⁾ Please remove the inserts when using lid 5093.

ROTORS AND ACCESSORIES

Swing-out rotor, 4-place



±90°

n = 4,600 min⁻¹
max. RCF 3,832

Swing-out rotor HTR1636

Cat. No. (without carriers) **HTR1637**

capacity in ml	4-7	8.5-10	15	50	12	25	30	50	10	250
Ø x L in mm	16 x 75	16 x 100	17 x 120	29 x 115	17 x 100	25 x 90	25 x 110	29 x 115	16 x 80	61 x 122
Cat. No.	blood / urine tubes		0509	0513	-					5127
lid with bio-containment ⁵⁾ Cat. No. 5093										
rotor 4753 carrier Cat. No. HTC1707										
Cat. No.	5136	5129⁴⁾	5123	5121	5134	5122	5135	5136	6319	
boring Ø x L in mm	17.5 x 60.7	17 x 85	30 x 85	17.5 x 82	26 x 73	25.5 x 82	30 x 99	17.5 x 60	66 x 103	
tubes per rotor	32	28	8	28	12	16	8	32	4	
max. RCF	2,952	3,095		3,005	2,826	2,898	3,023	2,952	3,095	
radius in mm	165	173		168	158	162	169	165	173	
run-up in sec	18									
run-down in sec										
temperature in °C ¹⁾	-1									

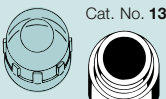
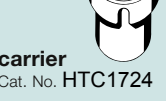























capacity in ml	1.5	2.0	1	3	4	5	6	7	8	9	15	25	50	85	100	
Ø x L in mm	11 x 38	11 x 38	6 x 45	10 x 60	10 x 88	12 x 75	12 x 82	12 x 100	16 x 81	14 x 100	17 x 100	24 x 100	34 x 100	38 x 106	44 x 100	
Cat. No.	2078	0536	Rhesus	-			0553²⁾	0501²⁾	0578²⁾	-	0500²⁾	0518²⁾	0519²⁾	0521²⁾	0549	0526²⁾
lid with bio-containment ⁵⁾ Cat. No. 1382																
rotor 4754 carrier Cat. No. HTC1724																
Cat. No.	1351	1339	1343	1383			1348	1329	1330	1331	1396	0761				
boring Ø x L in mm	11.2 x 38	6.5 x 34	10.5 x 43	13.4 x 48			16.5 x 56	17.6 x 91	25.2 x 87	35.2 x 87	38.5 x 92	45.6 x 98				
tubes per rotor	20	108	36	20			16	16	4							
max. RCF	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			156	155	149	148	159	156				
run-up in sec	14															
run-down in sec																
temperature in °C ¹⁾	0															


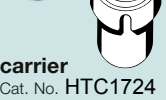

























⁵⁾ Tested by the TÜV in conformity with DIN EN 61010, section 2-020.

⁶⁾ Please ask for our detailed cyto brochure.

ROTORS AND ACCESSORIES

Swing-out rotor HTR1637

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
Cat. No.	blood collection/urine tubes												
 lid with bio-containment ⁴⁾ Cat. No. 1382  carrier Cat. No. HTC1724													
													
Cat. No.	1457	1383	1459	1383	1459	1329	1329³⁾	1383	1348				
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	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	14												
run-down in sec	14 200												
temperature in °C ¹⁾	0												

capacity in ml	15	30	50	12	25	30	50	10	30	50	85	30	
Ø x L in mm	17x120	25x110	29x115	17x100	25x90	25x110	29x115	16x80	26x95	29x107	38x106	44x105	
Cat. No.	0509	-	0513	-				0545	0546	0547	0534⁵⁾		
 lid with bio-containment ⁴⁾ Cat. No. 1382  carrier Cat. No. HTC1724													
													
Cat. No.	1347	1365	1384	6311	1363	1365	6318	1348	4417	4416	1396	0765	
boring Ø x L in mm	17x90	26x80	30x90	17x80	26x72	26x80	29.5x80	16.5x56	26x83	29x93	38.5x92	45.6x98	
tubes per rotor	4							16	4				
max. RCF	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	14												
run-down in sec	14 200												
temperature in °C ¹⁾	0												

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

²⁾ Please make sure not to exceed the tubes' max. permissible RCF. The max. RCF for glass tubes is 4,000.




























³⁾ Please remove the inserts.

































⁴⁾ Tested by the TÜV in conformity with DIN EN 61010, section 2-020.

ROTORS AND ACCESSORIES



Swing-out rotor HTR1637

capacity in ml	1.5	2.0	1	3	4	5	6	7	9	15	25	50	100
Ø x L in mm	11 x 38	11 x 38	6 x 45	10 x 60	12 x 60	12 x 75	12 x 82	12 x 100	14 x 100	17 x 100	24 x 100	34 x 100	44 x 100
Cat. No.	2078	0536	Rhesus	-		0553²⁾	0501²⁾	0578²⁾	0500²⁾	0518²⁾	0519²⁾	0521²⁾	0526²⁾
 carrier Cat. No. HTC1725													
													
Cat. No.	1444	1432	1433	1438	1434	1431	1435	1436	1437				
boring Ø x L in mm	11.5 x 38	6.5 x 34	10.5 x 40	13.4 x 50	12.7 x 60	17.5 x 84	25.5 x 84	35.5 x 84	45.5 x 86				
tubes per rotor	36	144	56	28	48	28	8	4	4				
max. RCF	3,572	3,643					3,596						3,501
radius in mm	151	154					152						148
run-up in sec	14												
run-down in sec	14 [200												
temperature in °C ¹⁾	0												

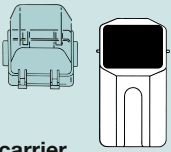















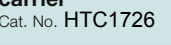















capacity in ml	1.1–1.4	2.6–2.9	2.7–3	4–5.5	4.5–5	4.9	7.5–8.2	9–10	1.6–5	4–7	4–7	8.5–10	15	50	50	
Ø x L in mm	8 x 66	13 x 65	11 x 66	15 x 75	11 x 92	13 x 90	15 x 92	16 x 92	13 x 75	13 x 100	16 x 75	16 x 100	17 x 120	29 x 115	29 x 115	
Cat. No.	blood collection/urine tubes												0509	0513	-	
 carrier Cat. No. HTC1725																
																
Cat. No.	1458	1438	1441	1438	1431	1439	1438	1441	1736	1443	1737					
boring Ø x L in mm	9 x 50	13.4 x 50	16.5 x 50	13.4 x 50	17.5 x 84	17 x 45	13.4 x 50	16.5 x 50	17 x 90	30 x 90						
tubes per rotor	36	28				16		28		16	4					
max. RCF	3,690	3,596				3,596		3,596		3,738	3,738					
radius in mm	156	152				152		152		158	158					
run-up in sec	14															
run-down in sec	14 [200															
temperature in °C ¹⁾	0															

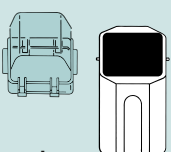













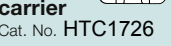















⁵⁾ A rubber stopper for closing the tube is available under Cat. No. 0535. The tube may not be centrifuged with the stopper. The stopper only serves to close the tube for agitating or mixing.

ROTORS AND ACCESSORIES



Swing-out rotor Cat. No. (without carriers) 4754

capacity in ml	1.5/2.0	1	3	4	5	6	7	9	15	25	50	15	50	50	
Ø x L in mm	11x38	6x45	10x60	12x60	12x75	12x82	12x100	14x100	17x100	24x100	34x100	17x120	29x115	29x115	
Cat. No.	2078/0536	Rhesus	-		0553²⁾	0501²⁾	0578²⁾	0500²⁾	0518²⁾	0519²⁾	0521²⁾	0509	0513	-	
lid Cat. No. 1421 															
carrier Cat. No. HTC1726 															
Cat. No.	5277	5273	1357	1327	1326	1732	5229	5230	5237	5231	5232	5233	1733	5276	5233⁴⁾
boring Ø x L in mm	11.5x38	13.7x38	6.5x23	10.5x23	12.5x44	13.4x58	12.5x44	12.4x87	15x73	17.8x87	25.5x87	35.5x87	17x90	30x90	35.5x87
tubes per rotor	36	48	120	48		32	48	48	24	24	8	4	12	4	
max. RCF	3,761	3,714	3,738	3,714		3,690	3,714	3,620					3,809	3,714	
radius in mm	159	157	158	157		156	157	153					161	157	
run-up in sec	14														
run-down in sec	14 [1200														
temperature in °C ¹⁾	0														

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	1.6-5	4-7	4-7	8.5-10	suspension for cyto accessories		
Ø x L in mm	8x66	13x65	11x66	15x75	11x92	13x90	15x92	16x92	13x75	13x100	16x75	16x100			
Cat. No.	blood collection/urine tubes											cyto chambers⁵⁾			
lid Cat. No. 1421 															
carrier Cat. No. HTC1726 															
Cat. No.	5278	1732	5229	5279	5230	1732	5279	5271⁴⁾	1732	5271	5231	1452			
boring Ø x L in mm	9x41	13.4x58	12.5x44	15.6x41	12.4x87	13.4x58	15.6x41	17x66	13.4x58	17x66	17.8x87	-			
tubes per rotor	48	32	48	20	48	32	20		32	20	24	4			
max. RCF	3,761	3,690	3,714	3,761	3,620	3,690	3,761	3,643	3,690	3,643	3,620	2,721			
radius in mm	159	156	157	159	153	156	159	154	156	154	153	115			
run-up in sec	14														
run-down in sec	14 [1200														
temperature in °C ¹⁾	0														

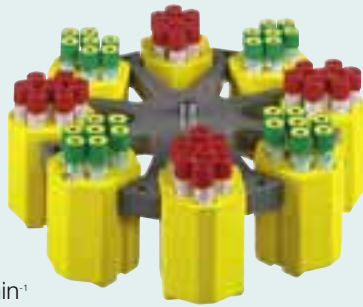
¹⁾ Lowest attainable temperature in precooled refrigerated centrifuges at max. speed.

²⁾ Please make sure not to exceed the tubes' max. permissible RCF. The max. RCF for glass tubes is 4,000.

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

ROTORS AND ACCESSORIES






























Swing-out rotor, 8-place









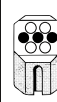
















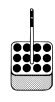
↻ 90°

n = 3,800 min⁻¹
max. RCF 2,906

Cat. No. (without carriers) **HTR1638**

capacity in ml	5	6	7	9	15	20	25	45	50	1.1–1.4	4–5.5	4.9	1.6–5/4–7	8.5 x 10	
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	8 x 66	15 x 75	13 x 90	13 x 75/16 x 75	16 x 100	
Cat. No.	0553²⁾	0501²⁾	0578²⁾	0500²⁾	0518²⁾	-	0519²⁾	-	0521²⁾	blood collection/urine tubes					
 rotor Cat. No. HTR1638															
															
Cat. No.	1369-91	1372	1369-92	1370	1369	1346	1745	1345	1746	1308	1741	1742	1741	1742	1369
boring Ø x L in mm	11.5 x 64.4	13.5 x 65	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	14.6 x 78	17.6 x 78	14.6 x 78	17.6 x 78	17.6 x 74
tubes per rotor	32	136	32	40	32	16	16	8		80	56	80	56	32	
max. RCF	2,551	2,648	2,777	2,777	2,825	2,825	2,906	2,825	2,906	2,761	2,874	2,793	2,906	2,793	2,825
radius in mm	158	164	172	172	175	175	180	175	180	171	178	173	180	173	175
run-up in sec	19														
run-down in sec	16 270														
temperature in °C ¹⁾	0														

capacity in ml	15	50			30	suspensions for cyto accessories	
Ø x L in mm	17 x 120	29 x 115			26 x 95		
Cat. No.	0509	0513			-	0545	cyto chambers⁵⁾
 rotor Cat. No. HTR1638							
							
Cat. No.	1742⁶⁾	1746	1746	1308	1745	1660	1680
boring Ø x L in mm	17.6 x 78	30 x 98	30 x 98	35.7 x 88.2	26 x 78	-	
tubes per rotor	24	8	8	8	16	8	
max. RCF	2,906			2,761	2,906	2,179	
radius in mm	180			171	180	135	
run-up in sec	19						
run-down in sec	16 270						
temperature in °C ¹⁾	0						

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
Cat. No.	2078/0536	Rhesus	-	-
 carrier Cat. No. HTR1727				
				
Cat. No.	5277	1357	1327	1326
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	72	240	96	
max. RCF	2,470	2,454	2,438	
radius in mm	153	152	151	
run-up in sec	19			
run-down in sec	16 270			
temperature in °C ¹⁾	0			

4) Please remove the inserts.
5) Please ask for our detailed cyto brochure.
6) Please load only the middle row.

ROTORS AND ACCESSORIES

Angle rotor, 30-place



↘ 45°

n = 15,000 min⁻¹
max. RCF 24,400

with bio-containment³⁾

Cat. No. HTR1639

Angle rotor, 6-place, for PCR-Strips



↘ 45°

n = 14,000 min⁻¹
max. RCF 18,845

lid (optional)
Cat. No. **1162**

Cat. No. (without lid) HTR1640

Angle rotor, 4-place



↘ 25°

n = 9,500 min⁻¹
max. RCF 12,007

Cat. No. HTR1641

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	
Cat. No.	-				2078	0536
lid with bio-containment ³⁾ incl.						
rotor Cat. No. HTR1639						
Cat. No.	2024	2023	2031⁴⁾	-		
boring Ø x L in mm	6x40		8x40		10.2x19	
tubes per rotor	30					
max. RCF	24,400					
radius in mm	97					
run-up in sec	19					
run-down in sec	24 520					
temperature in °C ¹⁾	+4					

capacity in ml	0.2	0.2
Ø x L in mm	6 x 18	-
Cat. No.	-	PCR-Strips
rotor Cat. No. HTR1640		
Cat. No.	-	
boring Ø x L in mm	6.5 x 15.5	
tubes per rotor	48	6 x 8
max. RCF	18,845	
radius in mm	86	
run-up in sec	15	
run-down in sec	15 285	
temperature in °C ¹⁾	+1	

capacity in ml	15	25	85	10	30	50	85	94	250	
Ø x L in mm	17x100	24x100	38 x 106	16x80	26x95	29x107	38x106	38x102	61 x 122	
Cat. No.	0518²⁾	0519²⁾	0549	-	0545	0546	0547	0538⁵⁾	5127	
rotor Cat. No. HTR1641										
Cat. No.	5646	5642	5644	5641	5642	5643	5644		-	
boring Ø x L in mm	17.6 x 83	26 x 80	38.6 x 88	16.6 x 70	26x80	29x90	38.6x88		61.5 x 109	
tubes per rotor	28	12	4	32	12	4	4		4	
max. RCF	11,301	10,897	10,292	11,402	10,897	10,090	10,292		12,007	
radius in mm	112	108	102	113	108	100	102		119	
run-up in sec	45									
run-down in sec	55 740									
temperature in °C ¹⁾	+2									

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

²⁾ Please make sure not to exceed the tubes' max. permissible RCF. The max. RCF for glass tubes is 4,000.

³⁾ Tested by the TÜV in conformity with DIN EN 61010, section 2-020.

ROTORS AND ACCESSORIES

Angle rotor, 6-place



45°

n = 11,000 min⁻¹
max. RCF 16,504

with bio-containment³⁾




Cat. No. HTR1642

capacity in ml	1.5	2.0	3	15	25	50	75	85	7.5–8.2	9–10	10	8.5–10
Ø x L in mm	11 x 38		10 x 60	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
Cat. No.	2078	0536	-	0518 ²⁾	0519 ²⁾	0521 ²⁾	0548	0549	blood collection/urine tubes			
lid with bio-containment ³⁾ incl.												
rotor Cat. No. HTR1642												
Cat. No.	1449			1451	1447	1463		-	1451			
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				6	6			
max. RCF	15,828			15,557	15,151	16,233		16,504	15,557			
radius in mm	117			115	112	120		122	115			
run-up in sec	40											
run-down in sec	I 63 [665											
temperature in °C ¹⁾	+4											

capacity in ml	15	50	10	30	50	85	94
Ø x L in mm	17 x 120	29 x 115	16 x 80	26 x 95	29 x 107	38 x 106	38 x 102
Cat. No.	0509	0513	-	0545	0546	0547	0538 ⁵⁾
lid with bio-containment ³⁾ incl.							
rotor Cat. No. HTR1642							
Cat. No.	1466	1454	1448	1447	1446	-	
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	6	12	6			
max. RCF	15,828	16,098	15,557	15,151	15,828	16,504	
radius in mm	117	119	115	112	117	122	
run-up in sec	40						
run-down in sec	I 63 [665						
temperature in °C ¹⁾	+4						

⁴⁾ For centrifugation at high speeds, we recommend to use form-fitting, phenol-resistant adapters 2031.

⁵⁾ The screw cap for tube No. 0538 is available with Cat. No. 0539. Dimensions with cap 38 x 106 mm.

TECHNOLOGY	HT1406	HT1407
Benchtop centrifuge, without rotor	classic	cooled
Power supply ^{*)}	200 – 240 V 1 ~	
Frequency	50 – 60 Hz	50 Hz
Consumption	750 VA	1,500 VA
Emission	EN 55011 group 1, class B, EN 61000-3-3	
Immunity	EN 61000-6-1	
 Max. capacity	4 x 600 ml	
 Max. RPM (speed)	15,000 min ⁻¹	
 Max. RCF	24,400	
Running time	1 s – 999 min, ∞ continuous run, short cycle mode	
Dimensions (HxWxD)	423 x 506 x 650 mm	423 x 713 x 654 mm
Weight	approx. 74 kg	approx. 106.5 kg
Refrigeration		
Temperature control, infinitely variable	-	from -20 to +40 °C

^{*)} 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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