



**Floorstanding  
Centrifuges,  
non-refrigerated  
and refrigerated**

# ROTIXA HT1502 / HT1503



Among experts “ROTIXA” has become a household word for high sample throughput. This is why ROTIXA models are the centrifuges of choice in development and quality control laboratories of the life science industry and in medical routine laboratories.

With generating a maximum RCF of 5,530 ROTIXA centrifuges are suited for separating a wide range of samples such as food and beverage, cell suspensions, sediments of chemical reactions, sludge and, of course, blood and blood components.

In addition to all commonly used blood collection systems the ROTIXA HT1502 and HT1503 centrifuges accommodate conical tubes with screw cap, microtitre plates and centrifuge bottles up to a volume of 1,000 ml.

With the growing use of clinical chemistry analysers in mind, the ROTIXA HT1502 and HT1503 centrifuges are also designed to spin racks of well-known manufacturers like Olympus, Hitachi or LKB.

It goes without saying that they also accept the time-tested round-bottom tubes up to a volume of 250 ml.

## PERFORMANCE

- 4,900 min<sup>-1</sup> in a swing-out rotor, RCF 5,530
- max. 4 x 1,000 ml
- extremely short run-up and run-down times

## TECHNOLOGY

- easily exchangeable rotors
- smooth and quiet running
- exceptional speed stability
- frequency-controlled drive, maintenance only required according to UVV regulations
- see-through glass in the lid for additional speed control

## REFRIGERATION

- temperature in the ROTIXA HT1503 is controllable within a range of -20 °C to +40 °C



ROTIXA HT1502  
floorstanding centrifuge,  
non-refrigerated

**Cat. No. 4905**

## SAFETY

- Stainless steel centrifuging chamber
- Panelling with scratch and impact resistant coating
- Automatic lid locking and holding
- Lid dropping protection
- Emergency lid lock release
- Automatic rotor recognition
- Imbalance switch-off
- Key-operated switch for locking and protecting programs
- Motor overheating protection
- Chamber overheating protection in the ROTIXA HT1503
- Conformity with the latest national and international safety standards such as IEC 1010-2-2, EN 61010-1 and all relevant EC regulations
- CE marked

## MODEL VARIANTS

The ROTIXA HT1503 is also available

- with connection for nitrogen flushing (Cat. No. 4910-20),
- as heating/cooling variant up to +60 °C (Cat. No. 4910-50),
- with internal cooling unit (Cat. No. 4910-96),
- with connection to external cooling units (Cat. No. 4910-90),
- as GMP versions

**Having to cope with high sample throughput? No problem!**

With a capacity of e.g.

- 192 blood collection tubes or
- 32 x 50 ml conical tubes with screw cap
- 16 standard size microtitre plates
- 20 HITACHI racks
- 4 x 1,000 ml bottles
- 4 blood bags in a swing-out rotor



**ROTIXA HT1503**  
floorstanding centrifuge,  
refrigerated

**Cat. No. 4910**

# Control Panel

## ROTIXA HT1502 and HT1503 ...programming with effortless ease



Whether entering single parameters or chaining complete running programs, the clearly arranged display with its selector keys and adjusting knob provides for extreme user-friendliness.

The controls and displays of the HT1502 and HT1503 centrifuges are arranged according to ergonomical aspects.

The large display is clearly arranged and well readable. During centrifugation the actual values of all parameters are indicated.

### For special routine or scientific applications the ROTIXA HT1502/HT1503 centrifuges can be fitted with the following optional equipment:

#### Centrifuging data report

With the Hettich data report system up to 29 centrifuges can be controlled by a single PC. An optical cable connects the centrifuge to a BUS system. Protocols of selected centrifuging data and barcode readers can be produced via a PC with an RS 232 interface.

#### Visual indication when rotor is stationary

for additional information on the completion of a centrifuging cycle.

#### Chaining of programs

allows to program the centrifuge to run different programs in succession.

#### Second independent tacho system



for calibrating the speed measuring instrument as required by quality management systems.

ROTIXA control panel: Entry of the parameters is exact, fast and easy with selector keys on the water-protected foil keypad and an adjusting knob.

## DISPLAY

- PROG-Nr Program number.  
89 programmable memories are available.
- T/°C Temperature of the refrigerated HT1503
- PROFIL Run-up and run-down profile.
- n/min<sup>-1</sup> Speed indication.
- t/min:sec Centrifugation time (max. 999 min : 59 sec).

## KEYPAD

- STO Stores the program.
- RCL Calls up the selected program.
- PROG Selects the program menu.
- Entry of the temperature from -20 °C to +40 °C in increments of 1 °C with the refrigerated HT1503
-  Entry of the run-up time in ramps 1-9 or in min:sec.
-  Entry of the run-down time in ramps 1-9 or in min:sec. Unbraked run-down or a brake force cut-off speed can be selected.
- RCF Switches from RPM to RCF display.  
Entry of the RCF in increments of 1.  
Entry of the rotor radius in mm in RCF mode.
- I RCF The integral over the RCF indicates the overall RCF acting on the centrifuged material during the running time so far.
- n Entry of the speed in increments of 10.
- t Entry of the centrifugation time (max. 999 min : 59 sec).
- START Starts centrifugation.
- STOP Stops centrifugation manually.

## Swing-out rotor, 4-place



± 90°

n = 4,500 min<sup>-1</sup>  
max. RCF 5,252

illustrated with carriers 4295  
and lids 4229

**Cat. No.** (without carriers) **HTR1631**

capacity in ml	0,8	1,5	2,0	4	6	7	12	15	25	50	100
Ø x L in mm	8 x 45	11 x 38		10 x 88	12 x 82	12 x 100	16 x 101	17 x 100	24 x 100	34 x 100	40 x 115
<b>Cat. No.</b>	-	<b>2078</b>	<b>0536</b>	-	<b>0501<sup>2)</sup></b>	<b>0578<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>
lid Cat. No. <b>4229</b>											
<b>carrier</b> Cat. No. <b>HTC1712</b>											
<b>Cat. No.</b>	<b>4226</b>	<b>4225</b>	<b>4224</b>	<b>4213</b>	<b>4223</b>	<b>4214</b>	<b>4215</b>	<b>4216</b>	<b>4218</b>		
boring Ø x L in mm	8.2 x 36	11.2 x 46		11 x 74	12.5 x 74	16 x 74	17.5 x 74	26 x 74	35 x 74	41.5 x 74	
tubes per rotor	312	336		252	192	100	120	44	24	16	
max. RCF <sup>2)</sup> upper/lower	4,777	3,690/4,867		4,777							
radius in mm upper/lower	211	163/215		211							
run-up in sec	112										
run-down in sec	☐ 105    ◯ 1,371										
temperature in °C <sup>1)</sup>	+ 7										

capacity in ml	2,6–2,9	2,7–3	4–5,5	4,5–5	7,5–8,2	9–10	10	1,6–5	4–7	4–7	8	8,5–10	15	50	25
Ø x L in mm	13 x 65	11 x 66	15 x 75	11 x 92	15 x 92	16 x 92	15 x 102	13 x 75	13 x 100	16 x 75	16 x 125	16 x 100	17 x 120	29 x 115	25 x 90
<b>Cat. No.</b>	<b>blood collection/urine tubes</b>												<b>0509</b>	<b>0513</b>	-
lid Cat. No. <b>4229</b>															
<b>carrier</b> Cat. No. <b>HTC1712</b>															
<b>Cat. No.</b>	<b>4222-93</b>	<b>4213-93</b>	<b>4214-93</b>	<b>4213</b>	<b>4214</b>	<b>4220</b>	<b>4214</b>	<b>4222-93</b>	<b>4222</b>	<b>4214-93</b>	<b>4223</b>	<b>4214</b>	<b>4232</b>	<b>4245</b>	<b>4241</b>
boring Ø x L in mm	13.2 x 36	12.5 x 36	17.5 x 36	12.5 x 74	17.5 x 74	17.5 x 74	17.5 x 74	13.2 x 36	13.2 x 74	17.5 x 36	16 x 74	17.5 x 74	17 x 70	30 x 70	26 x 73
tubes per rotor	120	192	120	192	120	64	120	120	120	120	100	120	92	32	32
max. RCF <sup>2)</sup>	4,777												4,958		4,777
radius in mm	211												219		211
run-up in sec	112														
run-down in sec	☐ 105    ◯ 1,371														
temperature in °C <sup>1)</sup>	+ 7														

<sup>1)</sup> Lowest attainable temperature in precooled refrigerated centrifuges at max. 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.







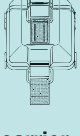

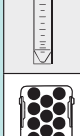

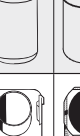

<sup>3)</sup> When using these tubes, carrier 4295 cannot be closed with lid 4229.



# Accessories






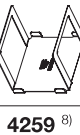
illustrated with carriers 4293

## Swing-out rotor Cat. No. (without carriers) HTR1631

capacity in ml	30	50	250	600	750	750
Ø x L in mm	25 x 110	29 x 115	61 x 122	93 x 134	97 x 152	93 x 137
<b>Cat. No.</b>	-	-	<b>5127</b>	<b>0551</b>	<b>0512</b>	<b>4234</b>
lid Cat. No. <b>4229</b>	 <sup>3)</sup>	 <sup>3)</sup>				 <sup>3)</sup>
<b>carrier</b> Cat. HTC1712						
<b>Cat. No.</b>	<b>4215</b>	<b>4249</b>	<b>4238</b>	<b>4233</b>	<b>4258</b>	<b>4233</b>
boring Ø x L in mm	26 x 74	30 x 96	62 x 90	94 x 105	97,5 x 105	94 x 105
tubes per rotor	44	24	4	4	4	4
max. RCF <sup>2)</sup>	4,777	4,867	4,777	4,958	4,958	4,958
radius in mm	211	215	211	219	219	219
run-up in sec	112					
run-down in sec	☐ 105    ☐ 1,371					
temperature in °C <sup>1)</sup>	+7					

capacity in ml	450	500
<b>blood bags, triplicate</b>		
<b>Cat. No.</b>	-	-
<b>carrier</b> Cat. No. HTC1713		
<b>Cat. No.</b>	<b>4244</b>	
boring Ø x L in mm	-	
blood bags per rotor	4	
max. RCF <sup>2)</sup>	5,252	
radius in mm	232	
run-up in sec	108	
run-down in sec	☐ 103    ☐ 1,385	
temperature in °C <sup>1)</sup>	+6	

capacity in ml	450	500
<b>blood bags, quadruplicate</b>		
<b>Cat. No.</b>	-	-
<b>carrier</b> Cat. No. HTC1714		
<b>Cat. No.</b>	<b>4237</b>	
boring Ø x L in mm	-	
blood bags per rotor	4	
max. RCF <sup>2)</sup>	5,003	
radius in mm	221	
run-up in sec	108	
run-down in sec	☐ 103    ☐ 1,679	
temperature in °C <sup>1)</sup>	+6	

W x L in mm	20 x 118
<b>Hitachi rack</b>	
<b>Cat. No.</b>	-
<b>carrier</b> Cat. No. HTC1715	 
<b>Cat. No.</b>	<b>4259<sup>8)</sup></b>
boring Ø x L in mm	-
racks per rotor	20
max. RCF <sup>2)</sup>	4,800
radius in mm	212
run-up in sec	108
run-down in sec	☐ 103    ☐ 1,679
temperature in °C <sup>1)</sup>	+6

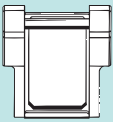







<sup>1)</sup> Lowest attainable temperature in precooled refrigerated centrifuges at max. speed.

<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.

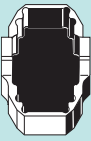











<sup>3)</sup> When using these tubes, carrier 4295 cannot be closed with lid 4229.

<sup>8)</sup> When using removal frame 4259, please take the insert out of carrier 4257.

### Swing-out rotor HTR1631









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	82 x 124 x 20	-	
Cat. No.	MTP		CP	DWP	PCR plate, 96-place	PCR strip	
 <b>carrier</b> Cat. No. HTC1716							
							
<b>Cat. No.</b>	-					<b>1469</b>	
boring Ø x L in mm	-						
plates per rotor	12	8	8	4	4	48 x 8	
max. RCF <sup>2)</sup>	4,007						
radius in mm	177						
run-up in sec	108						
run-down in sec	☐ 103    ○ 1,205						
temperature in °C <sup>1)</sup>	+4						










- CP = Culture Plate
- DWP = Deep Well Plate
- MS = Micronic System
- MTP = Microtitre Plate

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	18 x 164 W x L in mm	82 x 124 x 20	-	
Cat. No.	MTP		CP	DWP	MS	LKB rack	PCR plate, 96-place	PCR strip	
 <b>carrier</b> Cat. No. HTC1717									
									
<b>Cat. No.</b>			<b>4236</b>			-	<b>4236 + 1469</b>		
boring Ø x L in mm	-								
plates/racks per rotor	16		8		4	16	4	48 x 8	
max. RCF <sup>2)</sup>			3,939				4,120	3,939	
radius in mm			174				182	174	
run-up in sec	108								
run-down in sec	☐ 103    ○ 1,258								
temperature in °C <sup>1)</sup>	+4								

# Accessories

## Swing-out rotor HTR1631

capacity in ml	5	7	9	10	15	25	50	100
Ø x L in mm	12x75	12x100	14x100	17x70	17x100	24x100	34x100	44x100
<b>Cat. No.</b>	<b>0553<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>0526<sup>2)</sup></b>
bucket Cat. No. 4255 								
carrier Cat. No. HTC1718 								
<b>Cat. No.</b>	<b>4433</b>		<b>4434</b>		<b>4438</b>		<b>4439</b>	<b>4442</b>
boring Ø x L in mm	13x58		17.5x53		26x72		36x79	45x78
tubes per rotor	120		76		28		16	8
max. RCF <sup>2)</sup>	4,618		4,777		4,505		4,573	4,551
radius in mm	204		211		199		202	201
run-up in sec	108							
run-down in sec	☐ 103    ○ 1,780							
temperature in °C <sup>1)</sup>	+6							

capacity in ml	2.6–2.9	2.7–3	4–5.5	4.5–5	4.9	9–10	10	1.6–5	4–7	4–7	8.5–10	
Ø x L in mm	13x65	11x66	15x75	11x92	13x90	16x92	15x102	13x75	13x100	16x75	16x100	
<b>Cat. No.</b>	<b>blood collection/urine tubes</b>											
bucket Cat. No. 4255 												
carrier Cat. No. HTC1718 												
<b>Cat. No.</b>	<b>4435</b>	<b>4433</b>	<b>4434</b>	<b>4433</b>	<b>4435</b>	<b>4434</b>		<b>4435</b>		<b>4434</b>		
boring Ø x L in mm	13.5x58	13x58	17.5x53	13x58	13.5x58	17.5x53		13.5x58		17.5x53		
tubes per rotor	84	120	76	120	84	76		84		76		
max. RCF <sup>2)</sup>	4,618		4,777		4,618		4,777		4,618		4,777	
radius in mm	204		211		204		211		204		211	
run-up in sec	108											
run-down in sec	☐ 103    ○ 1,780											
temperature in °C <sup>1)</sup>	+6											






















<sup>1)</sup> Lowest attainable temperature in precooled refrigerated centrifuges at max. 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 4255 cannot be closed with its lid.



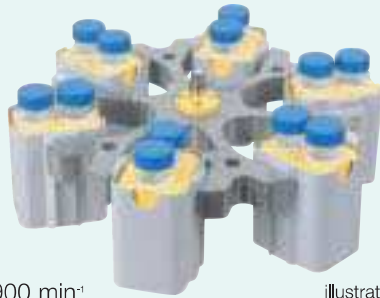
**Swing-out rotor HTR1631**

capacity in ml	15	30	50	25	30	10	250	600	750	1,000	1,000
Ø x L in mm	17 x 120	25 x 100	29 x 115	25 x 90	25 x 100	16 x 80	61 x 122	93 x 134	97 x 152	96 x 176	98 x 138
<b>Cat. No.</b>	<b>0509</b>	-	<b>0513</b>	-	-	-	<b>5127</b>	<b>0551</b>	<b>0512</b>	<b>4239</b>	<b>4255</b>
bucket Cat. No. 4255 											
<b>carrier</b> Cat. No. HTC1718 											
<b>Cat. No.</b>	<b>4437</b>	<b>4438</b>	<b>4441</b>	<b>4438</b>		<b>4434</b>	<b>4443</b>	<b>4466</b>	-	-	
boring Ø x L in mm	17 x 88	26 x 72	30 x 87	26 x 72		17.5 x 53	62 x 92	94 x 90	98 x 138		-
tubes per rotor	48	28	20	28		76	4		4		
max. RCF <sup>2)</sup>	4,890	4,709	4,890	4,483	4,709	4,777	5,003	5,184	5,184		
radius in mm	216	208	216	198	208	211	221	229	229		
run-up in sec	108										
run-down in sec	☐ 103    ○ 1,780										
temperature in °C <sup>1)</sup>	+6										

capacity in ml	175	175	200	225	250	500
Ø x L in mm	61 x 118	61,5 x 144	60 x 130	61 x 137	60 x 172	96 x 147
<b>Cat. No.</b>	<b>Falcon®</b>	<b>Nalgene®</b>	<b>Nunc®</b>	<b>Falcon®</b>	<b>Corning</b>	
bucket Cat. No. 4255 						
<b>carrier</b> Cat. No. HTC1718 						
<b>Cat. No.</b>	<b>4440</b>	<b>4430</b>	<b>4440</b>	<b>4430</b>	<b>4449</b>	
boring Ø x L in mm	-					
tubes per rotor	4					
max. RCF <sup>2)</sup>	5,184					
radius in mm	229					
run-up in sec	108					
run-down in sec	☐ 103    ○ 1,780					
temperature in °C <sup>1)</sup>	+6					

# Accessories

## Swing-out rotor, 6-place































↯ 90°

n = 4,900 min<sup>-1</sup>  
max. RCF 5,530

illustrated with carriers 4396

**Cat. No.** (without carriers) **4256**

capacity in ml	1.5	2.0	1.5	2.0	5	6	7	15	25	50	100	100	two-tier frame for cyto accessories
Ø x L in mm	11 x 38		11 x 38		12 x 75	12 x 82	12 x 100	17 x 100	24 x 100	34 x 100	40 x 115	44 x 100	
<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>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>	<b>cyto chambers<sup>6)</sup></b>
 <b>carrier</b> Cat. No. HTC1719													
<b>Cat. No.</b>	<b>5257</b>	<b>5281</b>	<b>5268</b>	<b>5264</b>	<b>5268</b>	<b>5268</b>	<b>5268</b>	<b>5248</b>	<b>5242</b>	<b>5243</b>	<b>5249</b>	<b>5262</b>	<b>5280</b>
boring Ø x L in mm	12.5 x 42		11.5 x 50		13.5 x 52	12.5 x 42	12.5 x 86	17.5 x 86	26 x 86	36 x 86	42 x 86	45.5 x 86	-
tubes per rotor	240		96		72	120	120	72	30	12	6		12
max. RCF <sup>2)</sup> upper/lower	4,080 / 5,395		5,422		5,395	5,342	5,315					3,785 / 5,288	
radius in mm upper/lower	152 / 201		202		201	199	198					141 / 197	
run-up in sec	30												
run-down in sec	☐ 34    ○ 648												
temperature in °C <sup>1)</sup>	+7												




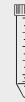












capacity in ml	1,1–1,4	2,6–2,9	2,7–3	4–5,5	4,5–5	4,9	7,5–8,2	9–10	10	1,6–5	4–7	4–7	8,5–10
Ø x L in mm	8 x 66	13 x 65	11 x 66	15 x 75	11 x 92	13 x 90	15 x 92	16 x 92	15 x 102	13 x 75	13 x 100	16 x 75	16 x 100
<b>Cat. No.</b>	<b>blood collection/urine tubes</b>												
 <b>carrier</b> Cat. No. HTC1719													
<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>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	13,5 x 52	16 x 50	17,5 x 86	
tubes per rotor	120	72	120	72	120	72	72	66	72				
max. RCF <sup>2)</sup>	5,288	5,395	5,342		5,395	5,342	5,315		5,395	5,395	5,342	5,315	
radius in mm	197	201	199		201	199	198		201	201	199	198	
run-up in sec	30												
run-down in sec	☐ 34    ○ 648												
temperature in °C <sup>1)</sup>	+7												

<sup>1)</sup> Lowest attainable temperature in precooled refrigerated centrifuges at max. 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>6)</sup> Please ask for our detailed cyto brochure.

**Swing-out rotor 4256**

capacity in ml	15	30	50	12	25	30	50
Ø x L in mm	17x120	25x110	29x115	17x100	25x90	25x110	29 x 115
<b>Cat. No.</b>	<b>0509</b>	-	<b>0513</b>	-	-	-	-
 <b>carrier</b> Cat. No. HTC1719							
							+ 6316
<b>Cat. No.</b>	<b>6306</b>	<b>5266</b>	<b>5259</b>	<b>6306</b>	<b>5266</b>	<b>5243</b>	
boring Ø x L in mm	17x90	26x86	30x86	17x90	26x86	36x86	
tubes per rotor	42	30	12	42	30	12	
max. RCF <sup>2)</sup>	5,530	5,315	5,422	5,530	5,315		
radius in mm	206	198	202	206	198		
run-up in sec	30						
run-down in sec	 34  648						
temperature in °C <sup>1)</sup>	+ 7						

# Accessories

## Swing-out rotor, 6-place



±90°

n = 4,000 min<sup>-1</sup>  
max. RCF 3,631

illustrated with carriers 5091  
and lids 5095

**Cat. No.** (without carriers) **HTR1632**

capacity in ml	1.5	2.0	1.5	2.0	5	6	7	15	25	50	100	100	two-tier frame for cyto accessories
Ø x L in mm	11 x 38		11 x 38		12 x 75	12 x 82	12 x 100	17 x 100	24 x 100	34 x 100	44 x 100	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>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>cyto chambers<sup>6)</sup></b>
lid Cat. No. <b>5095</b>													
<b>carrier</b> Cat. No. <b>HTC1720</b>													
<b>Cat. No.</b>	<b>5257</b>	<b>5281</b>	<b>5268</b>	<b>5227</b>	<b>5247<sup>5)</sup></b>	<b>5248<sup>5)</sup></b>	<b>5242</b>	<b>5243</b>	<b>5262</b>	<b>5249</b>	<b>5280</b>	<b>5280</b>	<b>5280</b>
boring Ø x L in mm	12.5 x 42	11.5 x 50	13.5 x 52	12.5 x 42	12.5 x 86	17.5 x 86	26 x 86	36 x 86	45.5 x 86	42 x 86	-	-	-
tubes per rotor	240	96	72	120	120	72	30	12	6	6	12	12	12
max. RCF <sup>2)</sup> upper/lower	2,486 / 3,363	3,363	3,345	3,309	3,291			3,291			2,290 / 3,274	2,290 / 3,274	
radius in mm upper/lower	139 / 188	188	187	185	184			184			128 / 183	128 / 183	
run-up in sec	33												
run-down in sec	☐ 38    ○ 789												
temperature in °C <sup>1)</sup>	- 4												

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	30	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	25 x 110	29 x 115
<b>Cat. No.</b>	<b>blood collection/urine tubes</b>												<b>0509</b>	<b>-</b>	<b>0513</b>
lid Cat. No. <b>5095</b>															
<b>carrier</b> Cat. No. <b>HTC1720</b>															
<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>5268</b>	<b>5264</b>	<b>5248</b>	<b>6306</b>	<b>5266</b>	<b>5259</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	13,5 x 52	16 x 50	17,5 x 86	17 x 90	26 x 86	30 x 86
tubes per rotor	120	72	120	72	120	72	66	72	42	30	12	42	30	12	12
max. RCF <sup>2)</sup>	3,274	3,345	3,309	3,309	3,309	3,345	3,309	3,291	3,345	3,345	3,309	3,291	3,434	3,291	3,363
radius in mm	183	187	185	185	185	187	185	184	187	187	185	184	192	184	188
run-up in sec	33														
run-down in sec	☐ 38    ○ 789														
temperature in °C <sup>1)</sup>	- 4														

<sup>1)</sup> Lowest attainable temperature in precooled refrigerated centrifuges at max. 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 5091 resp. 5092 cannot be closed with lid 5095 resp. 5093.

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



illustrated with carriers 5091

## Swing-out rotor Cat. No. (without carriers) HTR1632

capacity in ml	12	30
Ø x L in mm	17x100	25x110
<b>Cat. No.</b>	-	
lid Cat. No. 5095		
carrier Cat. No. HTC1720		
<b>Cat. No.</b>	<b>6306</b>	<b>5266</b>
boring Ø x L in mm	17x90	26x86
tubes per rotor	42	30
max. RCF <sup>2)</sup>	3,434	3,291
radius in mm	192	184
run-up in sec	33	
run-down in sec		
temperature in °C <sup>1)</sup>	-4	

capacity in ml	5	6	7	10	15	25	50	100	100	250
Ø x L in mm	12x75	12x82	12x100	17x70	17x100	24x100	34x100	44x100	40x115	65x115
<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>
lid with bio-containment <sup>4)</sup> Cat. No. 5093										
carrier Cat. No. 5092										
<b>Cat. No.</b>	<b>5137</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>	
boring Ø x L in mm	13.5x60.7	12.8x45	12.8x82	17.5x60.7	25.5x82	35.5x85	45.5x85	42x85	66x103	
tubes per rotor	48	72		48	24	6			6	
max. RCF <sup>2)</sup>	3,488	3,542		3,488	3,434	3,488			3,631	
radius in mm	195	198		195	192	195			203	
run-up in sec	33									
run-down in sec										
temperature in °C <sup>1)</sup>	-6									

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	8
Ø x L in mm	8x66	13x65	11x66	11x92	15x75	13x90	15x92	16x92	15x102	13x75	13x100	16x75	16x100	16x125
<b>Cat. No.</b>	<b>blood collection/urine tubes</b>													
lid with bio-containment <sup>4)</sup> Cat. No. 5093														
carrier Cat. No. HTC1707														
<b>Cat. No.</b>	<b>5137</b>	<b>5120</b>	<b>5136</b>	<b>5137</b>	<b>5136</b>	<b>5137</b>	<b>5136</b>	<b>5137</b>	<b>5136</b>	<b>5137</b>	<b>5136</b>	<b>5137</b>	<b>5136</b>	<b>5121</b>
boring Ø x L in mm	13.5 x 60.7		12.8x82	17.5x60.7	13.5x60.7	17.5 x 60.7			13.5 x 60.7		17.5 x 60.7		17.5x82	
tubes per rotor	48		72	48					48		48		42	
max. RCF <sup>2)</sup>	3,488		3,542	3,488			3,488					3,542		
radius in mm	195		198	195			195					198		
run-up in sec	33													
run-down in sec														
temperature in °C <sup>1)</sup>	-6													

<sup>5)</sup> With Cat. No. 5247-91 or 5248-91 these adapters can also be ordered with a decanting aid.  
<sup>6)</sup> Please ask for our detailed cyto brochure.

# Accessories



illustrated with carriers 5092  
and lids 5093  
with bio-containment<sup>4)</sup>

## Swing-out rotor, 4-place, for ASTM tubes



±90°

n = 2,000 min<sup>-1</sup>  
max. RCF 984

illustrated  
with carriers 4275

**Swing-out rotor Cat. No.** (without carriers) **HTR1632**

**Cat. No.** (without carriers) **4274**

capacity in ml	15	30	50	25	30	50	10	250
Ø x L in mm	17 x 120	25 x 110	29 x 115	25 x 90	25 x 110	29 x 115	16 x 80	61 x 122
<b>Cat. No.</b>	<b>0509</b>	-	<b>0513</b>	-				<b>5127</b>
lid with bio-containment <sup>4)</sup> Cat. No. 5093								
<b>carrier</b> Cat. No. HTC1707								
<b>Cat. No.</b>	<b>5129</b> <sup>7)</sup>	<b>5122</b>	<b>5123</b>	<b>5134</b>	<b>5122</b>	<b>5135</b>	<b>5136</b>	<b>6319</b>
boring Ø x L in mm	17 x 85	25.5 x 82	30 x 85	26 x 73	25.5 x 82	30 x 99	17.5 x 60.7	66 x 103
tubes per rotor	42	24	12	18	24	12	48	6
max. RCF <sup>2)</sup>	3,631	3,434	3,631	3,363	3,434	3,363	3,488	3,631
radius in mm	203	192	203	188	192	188	195	203
run-up in sec	33							
run-down in sec	☐ 38    ○ 789							
temperature in °C <sup>1)</sup>	-6							

capacity in ml	50	100	100	100
Ø x L in mm	45 x 130	58 x 161	44 x 168	37 x 200
<b>Cat. No.</b>	-	<b>0528</b> <sup>2)</sup>	-	<b>0531</b> <sup>2)</sup>
carrier Cat. No. 4275				
<b>rotor</b> Cat. No. HTC1721				
<b>Cat. No.</b>	<b>4278</b>	<b>0771</b>	<b>4277</b>	<b>4276</b>
boring Ø x L in mm	-			
tubes per rotor	4			
max. RCF <sup>2)</sup>	984		961	
radius in mm	220		215	
run-up in sec	18			
run-down in sec	☐ 23    ○ 150			
temperature in °C <sup>1)</sup>	-8			

1) Lowest attainable temperature in precooled refrigerated centrifuges at max. 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 ASTM tubes annotated with footnote <sup>2)</sup> is 700.

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

7) Please remove the inserts.

## Swing-out rotor, 2-place



↗ 90°

n = 3,600 min<sup>-1</sup>  
max. RCF 2,695

illustrated with  
carriers 4285-A,  
adapters 4281 and  
Deep Well Plates

**Cat. No.** (without carriers) **HTR1633**

## Angle rotor, 6-place, for Schlenk tubes



↘ 45°

n = 2,000 min<sup>-1</sup>  
max. RCF 805

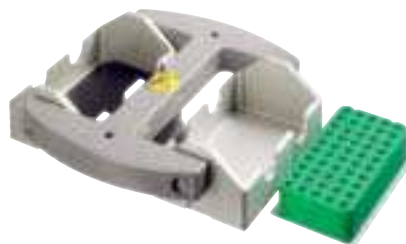
**Cat. No.** **HTR1634**

D x W x H in mm	86x128x15	86x128x17.5	86x128x22	86x128x44.5	82x124x20	-	20x176 W x L in mm	20x118 W x L in mm	210x110x44
Cat. No.	MTP		CP	DWP	PCR plate, 96-place	PCR strip	Olympus rack	Hitachi rack	rack, 50-place
carrier Cat. No. <b>4285-A</b>									
<b>rotor</b> Cat. No. <b>HTR1633</b>									
<b>Cat. No.</b>	<b>4281</b>				<b>4281 + 1469</b>		<b>4283-B</b>	<b>4287-A</b>	<b>4263</b>
boring Ø x L in mm	-								
plates per rotor	16	16	12	4	4	48 x 8	12	20	2
max. RCF <sup>2)</sup>	2,434				2,434		2,652		2,579
radius in mm	168				168		183		178
run-up in sec	87								
run-down in sec	☐ 87    ◯ 1,170								
temperature in °C <sup>1)</sup>	-8								

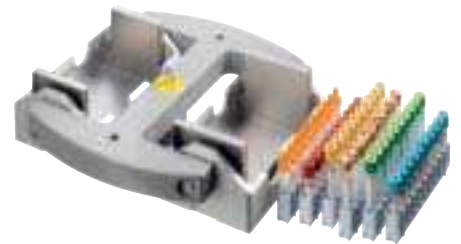
capacity in ml	25	50
<b>Cat. No.</b>	<b>0532</b>	<b>0533</b>
<b>rotor</b> Cat. No. <b>HTR1634</b>		
<b>Cat. No.</b>	<b>4317</b>	-
boring Ø x L in mm	-	
tubes per rotor	6	
max. RCF <sup>2)</sup>	783	805
radius in mm	175	180
run-up in sec	48	
run-down in sec	☐ 48    ◯ 200	
temperature in °C <sup>1)</sup>	-12	

CP = Culture Plate  
DWP = Deep Well Plate  
MTP = Microtitre Plate

### rotor 4282:



illustrated with carriers 4285-A,  
inserts 4263 and rack, 50-place



illustrated with carriers 4285-A,  
adapters 4283-B and Olympus racks

Additional tubes on request.

# ROTIXA HT1502 / HT1503

TECHNOLOGY	ROTIXA HT1502	ROTIXA HT1503
<b>Floorstanding centrifuge, without rotor</b>	<b>classic</b>	<b>cooled</b>
Power supply <sup>*)</sup>	208 – 240 V 1~	220 – 240 V 1~
Frequency	50–60 Hz	
Consumption	2,700 VA	3,680 VA
Emission	EN 55011 group 1, class B, EN 61000-3-3	
Immunity	EN 61000-6-1	
<b>Performance</b>		
Max. capacity	4 x 1,000 ml	
Max. RPM (speed)	4,900 min <sup>-1</sup>	
Max. RCF	5,530	
Running time	1 sec – 999 min : 59 sec, ∞ continuous run	
<b>Dimensions</b>		
Dimensions (HxWxD)	1,030 x 650 x 720 mm	
Weight	approx. 115 kg	approx. 172 kg
<b>Refrigeration</b>		
Temperature control, infinitely variable	-	from -20 to +40 °C
<b>Cat. No.</b>	<b>4905</b>	<b>4910</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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