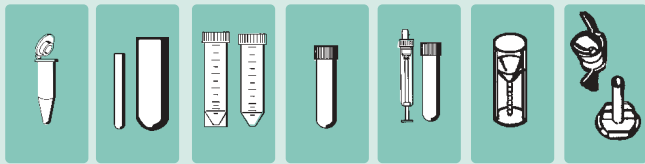




**Benchtop
Centrifuge**

ROTOFIX 32



The ROTOFIX 32 is the ideal benchtop centrifuge for performing daily routine tasks in doctors' laboratories and small hospitals.

Its performance and capacity are designed to easily and efficiently process all incoming samples.

Larger hospitals appreciate the ROTOFIX 32 for spinning occasional samples in between.

Nine rotors and an extensive range of accessories accept a wide variety of blood collection systems and standard tubes up to 4 x 100 ml, thereby enabling a multitude of applications.

But not only in clinical chemistry, also in cytology the ROTOFIX 32 does a perfect job.

Special accessories turn the ROTOFIX 32 into a cyto centrifuge that can accommodate a maximum of 8 slides per run.

The scope, however, is not limited to medical applications. Its wide range of accessories qualifies the ROTOFIX 32 just as well for the preparation of samples in industry and research laboratories.

Also, for the test of chrome baths suitable tubes are available.

The ROTOFIX 32 in brief

Performance

4,000 min⁻¹ in a swing-out rotor correspond to an RCF of 2,665.
Max. capacity is 4 x 100 ml or 28 x 15 ml.

6,000 min⁻¹ in an angle rotor for 6 x 85 ml tubes correspond to an RCF of 4,186.

Up to 8 slide carriers for cyto preparation.

Technology

A special locking device allows effortless opening and closing of the lid with one hand.

Ergonomically arranged controls and displays.

Frequency-controlled drive.

Safety

Housing and lid of metal finished in a scratch and impact resistant coating

Centrifuging chamber of stainless steel

Lid locking and holding

Viewing port in the lid

Emergency lid lock release

Imbalance switch-off

Easily exchangeable rotors

Automatic rotor recognition



Hettich manufactures high quality centrifuges.

All stages from design to end product are continually subjected to strictest controls.

Evidence of conformity with national and international regulations such as IEC 1010-2.2 and EC standards is provided by corresponding certificates.

Of course, Hettich centrifuges are CE marked.

The ISO 9001 certificate accredited to the entire company proves the extreme care and responsibility Hettich puts into the manufacture of centrifuges and their accessories.

Therefore, Hettich centrifuges are known for safety and reliability all over the world.



ROTOFIX 32

benchtop centrifuge

Dimensions:

H x W x D 261 x 368 x 437 mm

Cat.-No. **1205**

The controls and displays of the ROTOFIX 32 are arranged according to ergonomical aspects:

Large and well readable display.

During centrifugation the actual values of the parameters are digitally displayed.

Selector keys on the **water-protected foil keypad** allow fast, exact and easy entry of the parameters.

Speed RPM:

Input in increments of 100 min⁻¹.



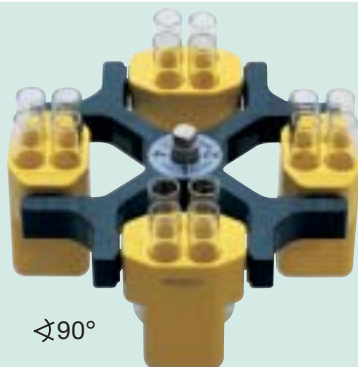
Time t/min:

Input in minutes, max. 99 min.

Impulse key:

For short centrifuging operations. The rotor spins at the preselected RPM as long as the key remains pressed.

Accessories

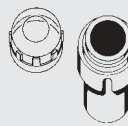
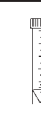


Swing-out rotor, 4-place,
No. 1624 without suspensions
 $n = 4,000 \text{ min}^{-1}$, RCF 2,683
illustrated with suspensions No. 1369

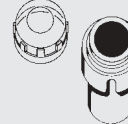


Swing-out rotor, 4-place,
No. 1624 without buckets
 $n = 4,000 \text{ min}^{-1}$, RCF 2,683
illustrated with buckets No. 1381
and hygienic lid No. 1382

capacity in ml	1.5 / 2.0	1	3	4
dimensions Ø x L mm	11 x 38	6 x 45 rhesus	10 x 60	12 x 60
Cat.-No.	2078/0536	-	-	-
 Cat.-No. 1366				
				
Cat.-No.	5277	1357	1327	1326
tubes per rotor	36	120	48	
RCF	1,968	1,950	1,932	
radius in mm	110	109	108	

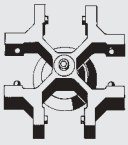
capacity in ml	15	50	12	25	30	50	1.6 - 7	4 - 10	1.1 - 1.4	2.7 - 5	2.6 - 4.9	4 - 8.2	9 - 10	30 ml chrome bath tube
dimensions Ø x L mm	17 x 120	29 x 115	17 x 100	25 x 90	25 x 110	29 x 115	13x75/100	16x75/100	8 x 66	11x66/92	13x65/90	15x75/92	16 x 92	
Cat.-No.	0509	0513	-	-	-	-	blood collection tubes							0534
 Cat.-No. 1381														
														
Cat.-No.	1347	1384	6311	1363	1365	6318	1383	1348	1457	1383	1383	1459	1329	0765
tubes per rotor	4	4	4	4	4	4	20	16	28	20	20	16	16	4
RCF	2,665	2,683	2,361	2,361	2,683	2,683	2,558	2,522	2,576	2,558	2,558	2,576	2,540	2,558
radius in mm	149	150	150	132	150	150	143	141	144	143	143	144	142	143

* A rubber stopper for closing the tube is available with Cat. No. 0535

capacity in ml	1.5 / 2.0	1	3	6 / 7	8	9 / 15	25	30	50	50	85	100
dimensions Ø x L mm	11 x 38	6 x 45 rhesus	10 x 60	12 x 82/100	16 x 81	14/17 x 100	24 x 100	26 x 95	29 x 107	34 x 100	38 x 106	44 x 100
Cat.-No.	2078/0536	-	-	0501/0578	-	0500/0507	0519	0545	0546	0521	0547	0526
 Cat.-No. 1381												
												
Cat.-No.	1351	1339	1343	1383	1348	1329	1330	4417	4416	1331	1396	0761
tubes per rotor	20	108	36	20	16	16	4	4	4	4	4	4
RCF	2,451	2,594	2,630	2,558	2,522	2,540	2,433	2,451	2,630	2,397	2,612	2,576
radius in mm	137	145	147	143	141	142	136	137	147	134	146	144

Please take care not to exceed the tubes' max. permissible RCF. ¹⁾ For glass tubes the max. RCF is 4,000.

Please take care not to exceed the tubes' max. permissible RCF.

capacity in ml	5	5	7	9	9	15	15	20	25	45	50	50
dimensions Ø x L mm	12 x 75	12 x 75	12 x 100	14 x 100	14 x 100	17 x 100	17 x 100	21 x 100	24 x 100	31 x 100	34 x 100	34 x 100
Cat.-No.	-	-	0578	0500	0500	0507	0507	-	0519	-	0521	0521
 n = 4,000 min⁻¹ Cat.-No. 1624												
												
Cat.-No.	1369-91	1372	1369-92	1370	1741	1369	1742	1346	1745	1345	1746	1308
tubes per rotor	16	68	16	20	40	16	28	8	8	4	4	4
RCF	2,236	2,164	2,361	2,361	2,415	2,361	2,451	2,361	2,451	2,451	2,451	2,325
radius in mm	125	121	132	132	135	132	137	132	137	137	137	130

Cyto Rotors

The 4-place rotor **No. 1624** is best for laboratories not preoccupied with cytological examinations.

Tubes and cytological preparations can be centrifuged **without changing the rotor**. Changing the suspensions is enough. Rotor No. 1624 accommodates cyto suspensions **No. 1660** and **No. 1680**.

Laboratories doing cytological examinations only should decide on the rotors **No. 1626** or **No. 1648**.

They have been especially developed for this purpose.

Detailed information on the extensive range of cyto accessories is available in the brochure "The Unique Hettich Cyto System". Also, Hettich cyto application notes can be ordered free of charge or copied from our homepage.



Rotor, 4-place
illustrated with cyto suspensions
No. 1680 for angle chambers

Cat.-No. **1624** without suspensions



Cyto rotor, 6-place
illustrated with cyto suspensions
No. 1680 for angle chambers

Cat.-No. **1626** without suspensions



Cyto rotor, 8-place
illustrated with cyto suspensions
No. 1680 for angle chambers

Cat.-No. **1648** with suspensions



Cyto rotor, 6-place
illustrated with cyto suspensions
No. 1660 for cyto chambers

Cat.-No. **1626** without suspensions

¹ For glass tubes the max. RCF is 4,000.

Please take care not to exceed the tubes' max. permissible RCF.

¹ For glass tubes the max. RCF is 4,000.

Accessories



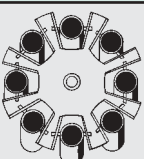
90°

Swing-out rotor, 8-place,

No. 1611 without suspensions

$n = 4,000 \text{ min}^{-1}$, RCF 2,415

illustrated with suspensions No.1644

capacity in ml	5	10	7	15	2.6 - 2.9	4 - 5.5	1.6 - 5	4 - 7
dimensions Ø x L mm	12 x 75	17 x 70	12 x 100	17 x 100	13 x 65	15 x 75	13 x 75	13 x 100
Cat.-No.	-	2079	0578	0507	blood collection tubes			
 $n = 4,000 \text{ min}^{-1}$ Cat.-No. 1611								
								
Cat.-No.	1131	1132	1643	1644	1131	1132	1131	1643
tubes per rotor	8		8		8		8	
RCF	1,914		2,415		1,914		2,415	
radius in mm	107		135		107		135	



75°

Swing-out rotor, 12-place,

No. 1628 without suspensions

$n = 4,000 \text{ min}^{-1}$, RCF 2,683

illustrated with suspensions No.1621

capacity in ml	5	10	15	1.6 - 5
dimensions Ø x L mm	12 x 75	17 x 70	17 x 100	13 x 75
Cat.-No.	-	2079	0507	blood collection tube
 $n = 4,000 \text{ min}^{-1}$ Cat.-No. 1628				
				
Cat.-No.	1127	1122	1621	1127
tubes per rotor	12	12	12	12
RCF	2,218	2,254	2,683	2,218
radius in mm	124	126	150	124

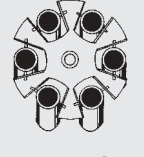


90°

Swing-out rotor, 6-place,

No. 1619 with suspensions

$n = 4,000 \text{ min}^{-1}$, RCF 2,701

capacity in ml	15	50
dimensions Ø x L mm	17 x 120	29 x 115
Cat.-No.	0509	0513
 $n = 4,000 \text{ min}^{-1}$ Cat.-No. 1619		
		
Cat.-No.	1462	-
tubes per rotor	6	
RCF	2,701	
radius in mm	151	

Safety comes first.

Hettich's rotor recognition system automatically detects run-up and run-down patterns and automatically sets the maximum speed of each rotor.

This makes sure that no rotor can be stressed beyond its design limits!

Hettich agents all over the world offer advice and support.

If you wish to have one of our representatives visit you, please call the nearest local distributor or our head office in Tuttlingen, +49 (0) 7461 / 705-201



45°

Swing-out rotor, 8-place,
No. 1617 with suspensions
 $n = 4,000 \text{ min}^{-1}$, RCF 2,469

capacity in ml	15	50
dimensions Ø x L mm	17 x 120	29 x 115
Cat.-No.	0509	0513
 $n = 4,000 \text{ min}^{-1}$ Cat.-No. 1617		
Cat.-No.	1462	-
tubes per rotor	8	
RCF	2,469	
radius in mm	138	



Angle rotor, 12-place,
No. 1613
 $n = 6,000 \text{ min}^{-1}$, RCF 4,105



Angle rotor, 6-place,
No. 1620 A
 $n = 6,000 \text{ min}^{-1}$, RCF 4,186

capacity in ml	5	15	15	1.6 - 5
dimensions Ø x L mm	12 x 75	17 x 100	17 x 120	13 x 75
Cat.-No.	-	0507	0509	blood collection tube
 $n = 6,000 \text{ min}^{-1}$ Cat.-No. 1613				
Cat.-No.	1056	-	-	1054
tubes per rotor	12	12	6	12
RCF	3,461	4,105	4,105	3,308
radius in mm	86	102	102	82

capacity in ml	1.5/2.0	10	15	30	50	50	85	9 - 10	15	50	50
dimensions Ø x L mm	11 x 38	16 x 80	17 x 100	26 x 95	29 x 107	35 x 105	38 x 106	16 x 92	17 x 120	29 x 115	29 x 115
Cat.-No.	2078/0536	-	0507	0545	0546	0548	0547	blood collection tube	0509	0513	0513
 $n = 6,000 \text{ min}^{-1}$ Cat.-No. 1620 A											
Cat.-No.	1449	1448	1451	1447	1446	1463	-	1451	1466	1454	1646
tubes per rotor	24	12	6	6	6	6	6	6	6	3	6
RCF	4,065	3,904	3,904	3,824	4,025	4,146	4,186	3,904	3,958		
radius in mm	101	97	97	95	100	103	104	97	99		

²⁾ Adapter set, 6-place, for conical 50 ml tubes with screw cap

ROTOFIX 32



ROTOFIX 32

Benchtop centrifuge, without rotor

Cat.-No. 1205

Cat.-No. 1205-01

Technical Details

* Power supply:	208 - 240 V 1~	100 - 127 V 1~
Frequency:	50 - 60 Hz	50 - 60 Hz
Consumption:	300 VA	250 VA
Radio interference:	EN 55011 class B	FCC class B
Capacity:	4 x 100 ml, swing-out	
Speed/RCF:	n = 6,000 min ⁻¹ / RCF 4,186	
Running time:	1-99 min, ∞ (continuous run), short cycle mode	
Dimensions (HxWxD):	261 x 368 x 437 mm	
Weight:	15.5 kg	

Design:

Housing and lid of metal for safety. Coating finished in scratch and impact resistant paint. Centrifuging chamber and inner lid of stainless steel. Lid locking, lid holding, and imbalance switch-off are standard.

* other voltages on request

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