

BENCHTOP CENTRIFUGE

# — ROTOFIX 32 A

## RUGGED AND INDISPENSABLE

For decades, the ROTOFIX 32 A has set the standard in daily lab routine thanks to its versatility and solid construction. The benchtop centrifuge spins sample volumes up to 6 x 94 ml, 40 blood collection tubes or 8 x 50 ml conical tubes with a simple user interface. Hettich's cytology rotors are compatible with most existing funnel/slide systems and have bio-containment lids.



## — HIGHLIGHTS

- RPM: 500 - 6,000 min<sup>-1</sup>  
Adjustable in increments of 100
- max. RCF: 4,226
- max. capacity: 4 x 100 ml / 6 x 94 ml
- choice of 9 rotors
- easy operation with keypad
- 2 individual deceleration stages

## — FEATURES

- metal housing and lid
- viewing port in the lid
- one-hand lid lock
- lid dropping protection
- emergency lid lock release
- stainless steel chamber
- automatic rotor recognition
- brushless drive
- error display
- imbalance monitoring and switch-off
- control panel with actual values of all parameters
- auditory message after completion of the centrifugation run






## TECHNICAL DATA

| ROTOFIX 32 A                    |                                                               |
|---------------------------------|---------------------------------------------------------------|
| voltage *)                      | 208 – 240 V 1 ~                                               |
| frequency                       | 50 – 60 Hz                                                    |
| consumption                     | 300 VA                                                        |
| emission, immunity              | EN/IEC 61326-1, class B                                       |
| max. capacity                   | 4 x 100 ml / 6 x 94 ml                                        |
| max. RPM                        | 6,000 min <sup>-1</sup>                                       |
| max. RCF                        | 4,226                                                         |
| running time                    | 1–99 min, ∞ continuous run, short cycle mode (impulse button) |
| dimensions (WxDxH)              | 366x430x257 mm                                                |
| weight                          | approx. 23 kg                                                 |
| noise level                     | 52 dB (A) with rotor 1628                                     |
| <b>Cat. No.</b>                 | <b>1206</b>                                                   |
| 100 – 127 V 1 ~ / 50 – 60 Hz *) | 1206-01                                                       |
| emission, immunity              | FCC class B                                                   |




\*) Other voltages on request.

## AVAILABLE ROTORS

### SWING-OUT ROTORS

|                                                                                     |                           | angle           | max. RPM                | max. capacity | Cat. No.    | page |
|-------------------------------------------------------------------------------------|---------------------------|-----------------|-------------------------|---------------|-------------|------|
|  | swing-out rotor, 4-place  | 90°             | 4,000 min <sup>-1</sup> | 4x100 ml      | <b>1624</b> | 3    |
|  | swing-out rotor, 4-place  | 90°             | 4,000 min <sup>-1</sup> | 4x100 ml      | <b>1324</b> | 6    |
|  | swing-out rotor, 6-place  | 90°             | 4,000 min <sup>-1</sup> | 6x50 ml       | <b>1619</b> | 8    |
|  | swing-out rotor, 8-place  | 45°             | 4,000 min <sup>-1</sup> | 8x50 ml       | <b>1617</b> | 8    |
|  | swing-out rotor, 8-place  | 90°             | 4,000 min <sup>-1</sup> | 8x15 ml       | <b>1611</b> | 9    |
|  | swing-out rotor, 12-place | 55° / 60° / 80° | 4,000 min <sup>-1</sup> | 12x15 ml      | <b>1628</b> | 9    |

### ANGLE ROTORS

|                                                                                     |                       |     |                         |          |              |    |
|-------------------------------------------------------------------------------------|-----------------------|-----|-------------------------|----------|--------------|----|
|  | angle rotor, 8-place  | 45° | 4,000 min <sup>-1</sup> | 8x50 ml  | <b>1418</b>  | 10 |
|  | angle rotor, 6-place  | 35° | 6,000 min <sup>-1</sup> | 6x94 ml  | <b>1620A</b> | 11 |
|  | angle rotor, 12-place | 35° | 6,000 min <sup>-1</sup> | 12x15 ml | <b>1613</b>  | 12 |

# SWING-OUT ROTOR, 4-PLACE | 1624



## Rotor

|                                  |                                 |
|----------------------------------|---------------------------------|
| max. RPM   max. RCF              | 4,000 min <sup>-1</sup>   2,451 |
| max. capacity                    | 4 x 50 ml                       |
| run-up   run-down, braked in sec | 22   25                         |
| angle   max. noise level         | 90°   55 dB (A)                 |
| <b>Cat. No.</b>                  | <b>1624</b>                     |



## Vessels

|                        |       |       |         |          |          |          |          |          |          |          |          |          |
|------------------------|-------|-------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| capacity in ml         | 5     | 5     | 6       | 7        | 9        | 9        | 15       | 15       | 20       | 25       | 45       | 50       |
| Ø x L in mm            | 12x75 | 12x75 | 12 x 82 | 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 |
| max. RCF <sup>2)</sup> | 2,057 | 2,164 | 2,308   | 2,308    | 2,308    | 2,415    | 2,308    | 2,451    | 2,361    | 2,451    | 2,361    | 2,451    |
| radius in mm           | 115   | 121   | 129     | 129      | 129      | 135      | 129      | 137      | 132      | 137      | 132      | 137      |

## Cat. No.

tubes<sup>2)</sup>


## Carrier

|                    |                |             |                |                |             |             |             |             |             |             |             |             |
|--------------------|----------------|-------------|----------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| boring Ø x L in mm | 12.5x64.4      | 13.5x65     | 12.5x71.5      | 12.5x71.5      | 14.6x74     | 14.6x78     | 17.6x71.5   | 17.6x78     | 21.5x74     | 26x78       | 32x74       | 35x78       |
| vessels per rotor  | 16             | 68          | 16             | 16             | 20          | 40          | 16          | 28          | 8           | 8           | 4           | 4           |
| <b>Cat. No.</b>    | <b>1369-91</b> | <b>1372</b> | <b>1369-92</b> | <b>1369-92</b> | <b>1370</b> | <b>1741</b> | <b>1369</b> | <b>1742</b> | <b>1346</b> | <b>1745</b> | <b>1345</b> | <b>1746</b> |

## Vessels

|                        |         |         |       |       |       |       |       |       |        |        |        |        |       |                   |
|------------------------|---------|---------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|-------------------|
| capacity in ml         | 1.1–1.4 | 2.6–3.4 | 4–5.5 | 4.9   | 1.6–5 | 4–7   | 1.6–5 | 4–7   | 4–7    | 4–7    | 4–7    | 8.5–10 | 30    | 1–8               |
| Ø x L in mm            | 8 x 66  | 13 x 65 | 15x75 | 13x90 | 13x75 | 16x75 | 13x75 | 16x75 | 13x100 | 13x100 | 13x100 | 16x100 | 26x95 | simple / multiple |
| max. RCF <sup>2)</sup> | 2,415   | 2,325   | 2,325 | 2,451 | 2,129 | 2,361 | 2,325 | 2,325 | 2,361  | 2,361  | 2,451  | 2,451  | 2,451 | 1,646             |
| radius in mm           | 135     | 130     | 130   | 137   | 119   | 132   | 130   | 130   | 132    | 132    | 137    | 137    | 137   | 92                |

## Cat. No.

blood collection / urine vessels

- cyto chambers



## Carrier



|                    |             |             |             |             |             |                          |             |             |                          |                          |             |                          |             |             |
|--------------------|-------------|-------------|-------------|-------------|-------------|--------------------------|-------------|-------------|--------------------------|--------------------------|-------------|--------------------------|-------------|-------------|
| boring Ø x L in mm | 14.6x78     | 17.6x78     | 17.6x78     | 14.6x78     | 14.6x78     | 17.6x71.5                | 17.6x78     | 17.6x78     | 17.6x71.5                | 14.6x74                  | 13.5x78     | 17.6x71.5                | 26x78       | -           |
| vessels per rotor  | 40          | 28          | 28          | 40          | 40          | 16                       | 28          | 28          | 16                       | 20                       | 28          | 16                       | 8           | 4           |
| <b>Cat. No.</b>    | <b>1741</b> | <b>1742</b> | <b>1742</b> | <b>1741</b> | <b>1741</b> | <b>1369<sup>4)</sup></b> | <b>1742</b> | <b>1742</b> | <b>1369<sup>4)</sup></b> | <b>1370<sup>4)</sup></b> | <b>1739</b> | <b>1369<sup>4)</sup></b> | <b>1745</b> | <b>1660</b> |

## CYTO

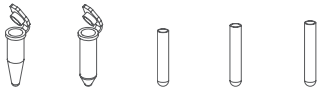
Cyto system available for this model.  
More information on [page 178](#)


- 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.
- 4) Please remove the spacer.
- 16) Packed in units of 10 pieces.
- 20) Vacutainers made of glass may not be used.

## SWING-OUT ROTOR, 4-PLACE | 1624


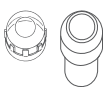
|                                                                                   |                                 |                                                                                    |      |
|-----------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------|------|
|  |                                 |  |      |
| <b>Rotor</b>                                                                      |                                 | <b>Bucket</b>                                                                      |      |
| max. RPM   max. RCF                                                               | 4,000 min <sup>-1</sup>   1,968 | <b>Cat. No.</b>                                                                    | 1366 |
| max. capacity                                                                     | 48 x 4 ml                       |                                                                                    |      |
| run-up   run-down, braked in sec                                                  | 22   25                         |                                                                                    |      |
| angle   max. noise level                                                          | 90°   56 dB (A)                 |                                                                                    |      |
| <b>Cat. No.</b>                                                                   | 1624                            |                                                                                    |      |



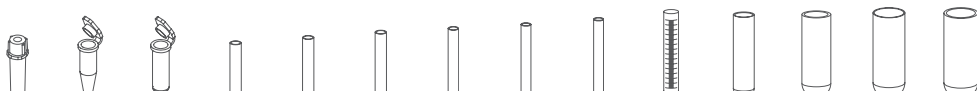
|                                                                                   |                                             |
|-----------------------------------------------------------------------------------|---------------------------------------------|
|  |                                             |
| <b>Vessels</b>                                                                    |                                             |
| capacity in ml                                                                    | 1.5 2.0 1 3 4                               |
| Ø x L in mm                                                                       | 11 x 38 11 x 38 6 x 45 10 x 60 12 x 60      |
| max. RCF <sup>2)</sup>                                                            | 1,968 1,968 1,950 1,932 1,932               |
| radius in mm                                                                      | 110 110 109 108 108                         |
| <b>Cat. No.</b>                                                                   | microliter tubes Rhesus tubes <sup>2)</sup> |

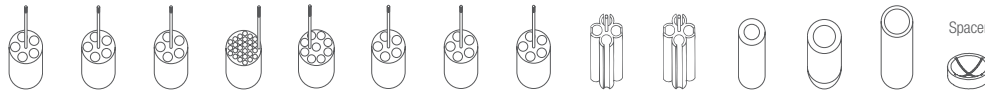
|                                                                                   |                                                  |
|-----------------------------------------------------------------------------------|--------------------------------------------------|
|  |                                                  |
| <b>Adapter</b>                                                                    |                                                  |
| boring Ø x L in mm                                                                | 11.5 x 38 11.5 x 38 6.5 x 23 10.5 x 23 12.5 x 44 |
| vessels per rotor                                                                 | 36 36 120 48 48                                  |
| <b>Cat. No.</b>                                                                   | 5277 5277 1357 1327 1326                         |

## SWING-OUT ROTOR, 4-PLACE | 1624

|                                                                                     |                                 |                                                                                      |      |
|-------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------|------|
|  |                                 |  |      |
| <b>Rotor</b>                                                                        |                                 | <b>Bucket</b>                                                                        |      |
| max. RPM   max. RCF                                                                 | 4,000 min <sup>-1</sup>   2,665 | Lid bioseal <sup>5)</sup>                                                            | 1492 |
| max. capacity                                                                       | 4 x 100 ml                      | <b>Cat. No.</b>                                                                      | 1481 |
| run-up   run-down, braked in sec                                                    | 22   25                         |                                                                                      |      |
| angle   max. noise level                                                            | 90°   55 dB (A)                 |                                                                                      |      |
| <b>Cat. No.</b>                                                                     | 1624                            |                                                                                      |      |




|                                                                                      |                                                                                                                         |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  |                                                                                                                         |
| <b>Vessels</b>                                                                       |                                                                                                                         |
| capacity in ml                                                                       | 0,5 1,5 2,0 1 3 5 6 7 9 15 25 50 94 100                                                                                 |
| Ø x L in mm                                                                          | 10.7 x 36 11 x 38 11 x 38 6 x 45 10 x 60 12 x 75 12 x 82 12 x 100 14 x 100 17 x 100 24 x 100 34 x 100 38 x 102 44 x 100 |
| max. RCF <sup>2)</sup>                                                               | 2,379 2,451 2,451 2,594 2,630 2,558 2,558 2,558 2,540 2,540 2,433 2,415 2,612 2,558                                     |
| radius in mm                                                                         | 133 137 137 145 147 143 143 143 142 142 136 135 146 143                                                                 |
| <b>Cat. No.</b>                                                                      | Pediatric microtubes Rhesus tubes <sup>2)</sup>                                                                         |

|                                                                                      |                                                                                                                                            |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
|  |                                                                                                                                            |
| <b>Adapter</b>                                                                       |                                                                                                                                            |
| boring Ø x L in mm                                                                   | 11.2 x 38 11.2 x 38 11.2 x 38 6.5 x 34 10.5 x 43 13.4 x 48 13.4 x 48 13.4 x 48 17.6 x 91 17.6 x 91 25.2 x 87 35.2 x 87 38.5 x 92 45.9 x 98 |
| vessels per rotor                                                                    | 20 20 20 108 36 20 20 20 16 16 4 4 4 4                                                                                                     |
| <b>Cat. No.</b>                                                                      | 1351 1351 1351 1339 1343 1383 1383 1383 1329 1329 1330 1331 1396 0761                                                                      |

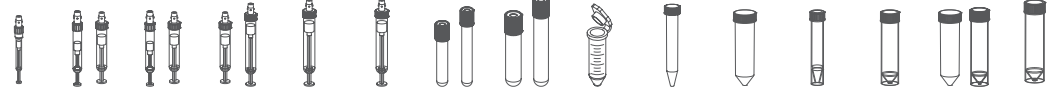
2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers.  
The max. RCF for glass tubes annotated with footnote 2) is 4,000.  
5) Tested by TÜV in conformity with DIN EN 61010, section 2 - 020.


# SWING-OUT ROTOR, 4-PLACE | 1624


|                                                                                   |                                 |
|-----------------------------------------------------------------------------------|---------------------------------|
|  |                                 |
| <b>Rotor</b>                                                                      |                                 |
| max. RPM   max. RCF                                                               | 4,000 min <sup>-1</sup>   2,665 |
| max. capacity                                                                     | 4 x 100 ml                      |
| run-up   run-down, braked in sec                                                  | 22   25                         |
| angle   max. noise level                                                          | 90°   55 dB (A)                 |
| <b>Cat. No.</b>                                                                   | <b>1624</b>                     |


|                                                                                    |             |
|------------------------------------------------------------------------------------|-------------|
|  |             |
| <b>Bucket</b>                                                                      |             |
| Lid bioseal <sup>5)</sup>                                                          | 1492        |
| <b>Cat. No.</b>                                                                    | <b>1481</b> |



|                                                                                    |                                                                                                                                                                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |                                                                                                                                                                     |
| <b>Vessels</b>                                                                     |                                                                                                                                                                     |
| capacity in ml                                                                     | 1.1–1.4    2.7–5    2.6–4.9    4–8.5    9–10    10    1.6–7    4–10    5    15    50    12    25    30    50                                                        |
| Ø x L in mm                                                                        | 8 x 66    11x66/92    13x65/90    15x75/92    16x92    15x102    13x75/100    16x75/100    17x59    17x120    29x115    17 x 100    25 x 90    25 x 110    29 x 115 |
| max. RCF <sup>2)</sup>                                                             | 2,576    2,558    2,558    2,576    2,540    2,665    2,558    2,522    2,665    2,665    2,665    2,665    2,343    2,665    2,665                                 |
| radius in mm                                                                       | 144    143    143    144    142    149    143    141    149    149    149    149    131    149    149                                                               |
| <b>Cat. No.</b>                                                                    | <b>blood collection / urine vessels</b> - <b>tubes with screw cap</b>                                                                                               |


|                                                                                    |                                                                                                                                                    |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|  |                                                                                                                                                    |
| <b>Adapter</b>                                                                     |                                                                                                                                                    |
| boring Ø x L in mm                                                                 | 9x49    13.4x48    13.4x48    15.6x47    17.6x91    17.6x91    13.4x48    16.5x56    17x45    17x90    30x90    17x80    26x72    26x80    29.5x80 |
| vessels per rotor                                                                  | 28    20    20    16    16    16    20    16    12    4    4    4    4    4    4                                                                   |
| <b>Cat. No.</b>                                                                    | <b>1457    1383    1383    1459    1329    1329<sup>4)</sup>    1383    1348    6341    1347    1384    6311    1363    1365    6318</b>           |

|                                                                                     |                                                  |
|-------------------------------------------------------------------------------------|--------------------------------------------------|
|  |                                                  |
| <b>Vessels</b>                                                                      |                                                  |
| capacity in ml                                                                      | 10    30    50    85    30                       |
| Ø x L in mm                                                                         | 16 x 80    26 x 95    29x107    38x106    44x105 |
| max. RCF <sup>2)</sup>                                                              | 2,522    2,451    2,630    2,612    2,540        |
| radius in mm                                                                        | 141    137    147    146    142                  |
| <b>Cat. No.</b>                                                                     | <b>tubes with screw cap    0534<sup>6)</sup></b> |

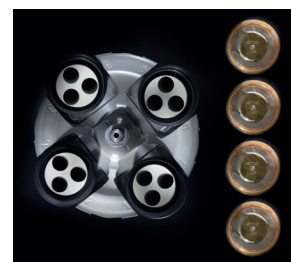
|                                                                                     |                                                 |
|-------------------------------------------------------------------------------------|-------------------------------------------------|
|  |                                                 |
| <b>Adapter</b>                                                                      |                                                 |
| boring Ø x L in mm                                                                  | 16.5x56    26x83    29x93    38.5x92    45.9x98 |
| vessels per rotor                                                                   | 16    4    4    4    4                          |
| <b>Cat. No.</b>                                                                     | <b>1348    4417    4416    1396    0765</b>     |


- 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, bucket 1490 cannot be closed with lid 1492.
- 4) Please remove spacer.
- 5) Tested by TÜV in conformity with DIN EN 61010, section 2 - 020.
- 6) A rubber stopper for closing the tube for agitating or mixing is available under Cat. No. 0535. The tube may not be centrifuged with the stopper.


# SWING-OUT ROTOR, 4-PLACE | 1324


|                                                                                   |                                 |
|-----------------------------------------------------------------------------------|---------------------------------|
|  |                                 |
| <b>Rotor</b>                                                                      |                                 |
| max. RPM   max. RCF                                                               | 4,000 min <sup>-1</sup>   2,630 |
| max. capacity                                                                     | 4 x 100 ml                      |
| run-up   run-down, braked in sec                                                  | 27   30                         |
| angle   max. noise level                                                          | 90°   55 dB (A)                 |
| <b>Cat. No.</b>                                                                   | <b>1324</b>                     |


|                                                                                    |             |
|------------------------------------------------------------------------------------|-------------|
|  |             |
| <b>Bucket</b>                                                                      |             |
| Lid bioseal <sup>5)</sup>                                                          | 1492        |
| <b>Cat. No.</b>                                                                    | <b>1490</b> |

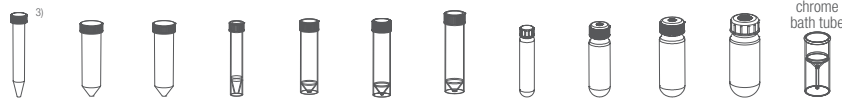



|                                                                                    |                                                                                                   |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
|  |                                                                                                   |
| <b>Vessels</b>                                                                     |                                                                                                   |
| capacity in ml                                                                     | 0.5 1.5 2.0 1 3 4 5 6 7 9 15 25 50 94 100                                                         |
| Ø x L in mm                                                                        | 10.7x36 11x38 11x38 6x45 10x60 10x88 12x75 12x82 12x100 14x100 17x100 24x100 34x100 38x102 44x100 |
| max. RCF <sup>2)</sup>                                                             | 2,343 2,415 2,415 2,558 2,594 2,594 2,522 2,522 2,522 2,504 2,504 2,397 2,379 2,576 2,522         |
| radius in mm                                                                       | 131 135 135 143 145 145 141 141 141 140 140 134 133 144 141                                       |
| <b>Cat. No.</b>                                                                    | <b>Pediatric microliter tubes Rhesus tubes<sup>2)</sup></b>                                       |

|                                                                                    |                                                                                                                           |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
|  |                                                                                                                           |
| <b>Adapter</b>                                                                     |                                                                                                                           |
| boring Ø x L in mm                                                                 | 11.2x38 11.2x38 11.2x38 6.5x34 10.5x43 10.5x43 13.4x48 13.4x48 13.4x48 17.6x91 17.6x91 25.2x87 35.2x87 38.5x92 45.9x100.5 |
| vessels per rotor                                                                  | 20 20 20 108 36 36 20 20 20 16 16 4 4 4 4                                                                                 |
| <b>Cat. No.</b>                                                                    | <b>1351 1351 1351 1339 1343 1343 1383 1383 1383 1329 1329 1330 1331 1396 0761</b>                                         |

|                                                                                      |                                                                                                |
|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
|  |                                                                                                |
| <b>Vessels</b>                                                                       |                                                                                                |
| capacity in ml                                                                       | 1.1–1.4 2.6–3.4 4.9 2.7–3 4.5–5 4–5.5 7.5–8.5 9–10 10 1.6–5 4–7 4–7 8.5–10 5 15                |
| Ø x L in mm                                                                          | 8 x 66 13x65 13x90 11x66 11x92 15x75 15x92 16x92 15x102 13x75 13x100 16x75 16x100 17x59 17x120 |
| max. RCF <sup>2)</sup>                                                               | 2,540 2,522 2,522 2,522 2,522 2,540 2,540 2,504 2,630 2,522 2,522 2,486 2,486 2,630 2,630      |
| radius in mm                                                                         | 142 141 141 141 141 142 142 140 147 141 141 139 139 147 147                                    |
| <b>Cat. No.</b>                                                                      | <b>blood collection / urine vessels - -</b>                                                    |

|                                                                                      |                                                                                                                  |
|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|  |                                                                                                                  |
| <b>Adapter</b>                                                                       |                                                                                                                  |
| boring Ø x L in mm                                                                   | 9x47 13.4x48 13.4x48 13.4x48 13.4x48 15.6x47 15.6x47 17.6x91 17.6x91 13.4x48 13.4x48 16.5x56 16.5x56 17x45 17x90 |
| vessels per rotor                                                                    | 28 20 20 20 20 16 16 16 16 20 20 16 16 12 4                                                                      |
| <b>Cat. No.</b>                                                                      | <b>1457 1383 1383 1383 1383 1459 1459 1329 1329<sup>4)</sup> 1383 1383 1348 1348 6341 1347</b>                   |

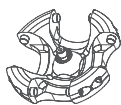
|                                                                                      |                                                                                                  |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
|  |                                                                                                  |
| <b>Vessels</b>                                                                       |                                                                                                  |
| capacity in ml                                                                       | 15 30 50 12 25 30 50 10 30 50 85 30                                                              |
| Ø x L in mm                                                                          | 17x120 25 x 110 29 x 115 17 x 100 25 x 90 25 x 110 29 x 115 16 x 80 26 x 95 29x107 38x106 44x105 |
| max. RCF <sup>2)</sup>                                                               | 2,630 2,630 2,630 2,630 2,308 2,630 2,630 2,486 2,415 2,594 2,576 2,504                          |
| radius in mm                                                                         | 147 147 147 147 129 147 147 139 135 145 144 140                                                  |
| <b>Cat. No.</b>                                                                      | <b>tubes with screw cap 0534<sup>6)</sup></b>                                                    |

|                                                                                      |                                                                                     |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |                                                                                     |
| <b>Adapter</b>                                                                       |                                                                                     |
| boring Ø x L in mm                                                                   | 17x107 26x80 30x90 17x80 26x72 26x80 29.5x80 16.5x56 26x83 29x93 38.5x92 45.9x100.5 |
| vessels per rotor                                                                    | 12 4 4 4 4 4 4 16 4 4 4 4                                                           |
| <b>Cat. No.</b>                                                                      | <b>1356 1365 1384 6311 1363 1365 6318 1348 4417 4416 1396 0765</b>                  |

- 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.
- When using these tubes, bucket 1490 cannot be closed with lid 1492.
- Please remove spacer.
- Tested by TÜV in conformity with DIN EN 61010, section 2 - 020.
- A rubber stopper for closing the tube for agitating or mixing is available under Cat. No. 0535. The tube may not be centrifuged with the stopper.

# SWING-OUT ROTOR, 4-PLACE | 1324

|                                  |                                 |
|----------------------------------|---------------------------------|
| <b>Rotor</b>                     |                                 |
| max. RPM   max. RCF              | 4,000 min <sup>-1</sup>   2,612 |
| max. capacity                    | 4 x 50 ml                       |
| run-up   run-down, braked in sec | 27   30                         |
| angle                            | 90°   56 dB (A)                 |
| <b>Cat. No.</b>                  | <b>1324</b>                     |



|                 |             |
|-----------------|-------------|
| <b>Bucket</b>   |             |
| <b>Cat. No.</b> | <b>1398</b> |



|                        |                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------|
| <b>Vessels</b>         |                                                                                                |
| capacity in ml         | 5 6 7 9 15 2.6-3.4 2.7-3 4-5.5 4.5-5 4.9 9-10 10 1.6-5 4-7 4-7                                 |
| Ø x L in mm            | 12x75 12x82 12x100 14x100 17x100 13x65 11x66 15x75 11x92 13x90 16x92 15x102 13x75 13x100 16x75 |
| max. RCF <sup>2)</sup> | 2,486 2,486 2,486 2,522 2,522 2,486 2,486 2,272 2,486 2,486 2,522 2,522 2,486 2,486 2,397      |
| radius in mm           | 139 139 139 141 141 139 139 127 139 139 141 141 139 139 134                                    |
| <b>Cat. No.</b>        | <b>tubes<sup>2)</sup></b> <b>blood collection / urine vessels</b>                              |

|                    |                                                                                                                                           |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Adapter</b>     |                                                                                                                                           |
| boring Ø x L in mm | 13.4x57.5 13.4x57.5 13.4x57.5 17.5x81 17.5x81 13.4x57.5 13.4x57.5 17.5x81 13.4x57.5 13.4x57.5 17.5x81 17.5x81 13.4x57.5 13.4x57.5 17.5x81 |
| vessels per rotor  | 20 20 20 16 16 20 20 16 20 20 16 16 20 20 16                                                                                              |
| <b>Cat. No.</b>    | <b>1486 1486 1486 1482A 1482A 1486 1486 1482A 1486 1486 1482A 1482A 1486 1486 1482A</b>                                                   |

|                        |                                                              |
|------------------------|--------------------------------------------------------------|
| <b>Vessels</b>         |                                                              |
| capacity in ml         | 8.5-10 12 15 50 12 50                                        |
| Ø x L in mm            | 16x100 17x102 17x120 29x115 17x100 29x115                    |
| max. RCF <sup>2)</sup> | 2,397 2,451 2,612 2,576 2,522 2,576                          |
| radius in mm           | 134 137 146 144 141 144                                      |
| <b>Cat. No.</b>        | <b>blood collection / urine vessels tubes with screw cap</b> |

|                    |                                                      |
|--------------------|------------------------------------------------------|
| <b>Adapter</b>     |                                                      |
| boring Ø x L in mm | 17.5x81 17.5x74 17x100 30x98 17.5x81 30x98           |
| vessels per rotor  | 16 12 16 4 16 4                                      |
| <b>Cat. No.</b>    | <b>1482A 1487 1483A 1484 1482A 1484<sup>3)</sup></b> |

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) Please remove spacer.

## SWING-OUT ROTOR, 6-PLACE | 1619



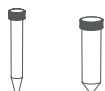
### Rotor

|                                  |                                 |
|----------------------------------|---------------------------------|
| max. RPM   max. RCF              | 4,000 min <sup>-1</sup>   2,701 |
| max. capacity                    | 6 x 50 ml                       |
| run-up   run-down, braked in sec | 22   25                         |
| angle   max. noise level         | 90°   54 dB (A)                 |
| <b>Cat. No.</b>                  | <b>1619</b>                     |



### Vessels

|                        |                             |          |
|------------------------|-----------------------------|----------|
| capacity in ml         | 15                          | 50       |
| Ø x L in mm            | 17 x 120                    | 29 x 115 |
| max. RCF <sup>2)</sup> | 2,701                       | 2,701    |
| radius in mm           | 151                         | 151      |
| <b>Cat. No.</b>        | <b>tubes with screw cap</b> |          |



### Adapter

|                    |               |           |
|--------------------|---------------|-----------|
| boring Ø x L in mm | 17 x 84       | 30 x 87.5 |
| vessels per rotor  | 6             | 6         |
| <b>Cat. No.</b>    | <b>1462-A</b> | <b>-</b>  |



## SWING-OUT ROTOR, 8-PLACE | 1617



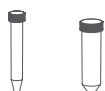
### Rotor

|                                  |                                 |
|----------------------------------|---------------------------------|
| max. RPM   max. RCF              | 4,000 min <sup>-1</sup>   2,469 |
| max. capacity                    | 8 x 50 ml                       |
| run-up   run-down, braked in sec | 22   25                         |
| angle   max. noise level         | 45°   53 dB (A)                 |
| <b>Cat. No.</b>                  | <b>1617</b>                     |



### Vessels

|                        |                             |          |
|------------------------|-----------------------------|----------|
| capacity in ml         | 15                          | 50       |
| Ø x L in mm            | 17 x 120                    | 29 x 115 |
| max. RCF <sup>2)</sup> | 2,469                       | 2,469    |
| radius in mm           | 138                         | 138      |
| <b>Cat. No.</b>        | <b>tubes with screw cap</b> |          |



### Adapter

|                    |               |           |
|--------------------|---------------|-----------|
| boring Ø x L in mm | 17 x 84       | 30 x 94.5 |
| vessels per rotor  | 8             | 8         |
| <b>Cat. No.</b>    | <b>1462-A</b> | <b>-</b>  |



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.

## SWING-OUT ROTOR, 8-PLACE | 1611



### Rotor

|                                  |                                 |
|----------------------------------|---------------------------------|
| max. RPM   max. RCF              | 4,000 min <sup>-1</sup>   2,415 |
| max. capacity                    | 8 x 15 ml                       |
| run-up   run-down, braked in sec | 22   25                         |
| angle   max. noise level         | 90°   53 dB (A)                 |
| <b>Cat. No.</b>                  | <b>1611</b>                     |



### Vessels

|                        |                           |       |        |        |        |                                         |       |       |       |         |       |        |       |        |
|------------------------|---------------------------|-------|--------|--------|--------|-----------------------------------------|-------|-------|-------|---------|-------|--------|-------|--------|
|                        |                           |       |        |        |        |                                         |       |       |       |         |       |        |       |        |
| capacity in ml         | 5                         | 6     | 7      | 10     | 15     | 2.6–3.4                                 | 2.7–3 | 4–5.5 | 4.5–5 | 7.5–8.5 | 1.6–5 | 4–7    | 4–7   | 8.5–10 |
| Ø x L in mm            | 12x75                     | 12x82 | 12x100 | 13x100 | 17x100 | 13x65                                   | 11x66 | 15x75 | 11x92 | 15x92   | 13x75 | 13x100 | 16x75 | 16x100 |
| max. RCF <sup>2)</sup> | 1,914                     | 1,914 | 2,415  | 2,415  | 2,415  | 1,914                                   | 1,914 | 1,914 | 2,415 | 2,415   | 1,914 | 2,415  | 1,914 | 2,415  |
| radius in mm           | 107                       | 107   | 135    | 135    | 135    | 107                                     | 107   | 107   | 135   | 135     | 107   | 135    | 107   | 135    |
| <b>Cat. No.</b>        | <b>tubes<sup>2)</sup></b> |       |        |        |        | <b>blood collection / urine vessels</b> |       |       |       |         |       |        |       |        |



### Bucket

|                    |               |               |             |             |             |               |               |               |             |             |               |             |               |             |
|--------------------|---------------|---------------|-------------|-------------|-------------|---------------|---------------|---------------|-------------|-------------|---------------|-------------|---------------|-------------|
|                    |               |               |             |             |             |               |               |               |             |             |               |             |               |             |
| boring Ø x L in mm | 13x53         | 13x53         | 13.2x81     | 13.2x81     | 17.5x81     | 13 x 53       | 13 x 53       | 17.5 x 53     | 13.2 x 81   | 17.5 x 81   | 13 x 53       | 13.2 x 81   | 17.5 x 53     | 17.5 x 81   |
| vessels per rotor  | 8             | 8             | 8           | 8           | 8           | 8             | 8             | 8             | 8           | 8           | 8             | 8           | 8             | 8           |
| <b>Cat. No.</b>    | <b>1131-A</b> | <b>1131-A</b> | <b>1643</b> | <b>1643</b> | <b>1644</b> | <b>1131-A</b> | <b>1131-A</b> | <b>1132-A</b> | <b>1643</b> | <b>1644</b> | <b>1131-A</b> | <b>1643</b> | <b>1132-A</b> | <b>1644</b> |

## SWING-OUT ROTOR, 12-PLACE | 1628



### Rotor

|                                  |                                 |
|----------------------------------|---------------------------------|
| max. RPM   max. RCF              | 4,000 min <sup>-1</sup>   2,683 |
| max. capacity                    | 12 x 15 ml                      |
| run-up   run-down, braked in sec | 22   25                         |
| angle   max. noise level         | 55° / 60° / 80°   52 dB (A)     |
| <b>Cat. No.</b>                  | <b>1628</b>                     |



### Vessels

|                        |                           |        |                                         |       |       |         |       |       |        |
|------------------------|---------------------------|--------|-----------------------------------------|-------|-------|---------|-------|-------|--------|
|                        |                           |        |                                         |       |       |         |       |       |        |
| capacity in ml         | 5                         | 15     | 2.6–3.4                                 | 2.7–3 | 4–5.5 | 7.5–8.5 | 1.6–5 | 4–7   | 8.5–10 |
| Ø x L in mm            | 12x75                     | 17x100 | 13x65                                   | 11x66 | 15x75 | 15x92   | 13x75 | 16x75 | 16x100 |
| max. RCF <sup>2)</sup> | 2,236                     | 2,683  | 2,236                                   | 2,236 | 2,254 | 2,683   | 2,236 | 2,254 | 2,683  |
| radius in mm           | 125                       | 150    | 125                                     | 125   | 126   | 150     | 125   | 126   | 150    |
| <b>Cat. No.</b>        | <b>tubes<sup>2)</sup></b> |        | <b>blood collection / urine vessels</b> |       |       |         |       |       |        |



### Bucket

|                    |               |             |               |               |             |             |               |             |             |
|--------------------|---------------|-------------|---------------|---------------|-------------|-------------|---------------|-------------|-------------|
|                    |               |             |               |               |             |             |               |             |             |
| boring Ø x L in mm | 13.2x53       | 17.5x79     | 13.2x53       | 13.2x53       | 17.5x53     | 17.5x79     | 13.2x53       | 17.5x53     | 17.5x79     |
| vessels per rotor  | 12            | 12          | 12            | 12            | 12          | 12          | 12            | 12          | 12          |
| <b>Cat. No.</b>    | <b>1127-A</b> | <b>1621</b> | <b>1127-A</b> | <b>1127-A</b> | <b>1122</b> | <b>1621</b> | <b>1127-A</b> | <b>1122</b> | <b>1621</b> |

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.

# ANGLE ROTOR, 8-PLACE | 1418



## Rotor

|                                  |                                 |
|----------------------------------|---------------------------------|
| max. RPM   max. RCF              | 4,000 min <sup>-1</sup>   2,612 |
| max. capacity                    | 8 x 50 ml                       |
| run-up   run-down, braked in sec | 36   43                         |
| angle   max. noise level         | 45°   53 dB (A)                 |
| <b>Cat. No.</b>                  | <b>1418</b>                     |



## Vessels

|                        |         |          |         |         |         |         |         |          |          |          |          |          |          |          |          |
|------------------------|---------|----------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|
|                        |         |          |         |         |         |         |         |          |          |          |          |          |          |          |          |
| capacity in ml         | 5       | 15       | 1.1-1.4 | 2.6-3.4 | 2.7-3   | 9-10    | 1.6-5   | 4-7      | 8.5-10   | 12       | 15       | 50       | 12       | 50       | 50       |
| Ø x L in mm            | 12 x 75 | 17 x 100 | 8 x 66  | 13 x 65 | 11 x 66 | 16 x 92 | 13 x 75 | 13 x 100 | 16 x 100 | 17 x 102 | 17 x 120 | 29 x 115 | 17 x 100 | 29 x 115 | 29 x 107 |
| max. RCF <sup>2)</sup> | 2,182   | 2,540    | 2,182   | 2,182   | 2,182   | 2,540   | 2,182   | 2,612    | 2,540    | 2,540    | 2,594    | 2,486    | 2,540    | 2,486    | 2,486    |
| radius in mm           | 122     | 142      | 122     | 122     | 122     | 142     | 122     | 146      | 142      | 142      | 145      | 139      | 142      | 139      | 139      |

## Cat. No.

| tubes <sup>2)</sup> | blood collection / urine vessels |  |  |  |  |  |  |  | tubes with screw cap |  |  |  |  |  |  |
|---------------------|----------------------------------|--|--|--|--|--|--|--|----------------------|--|--|--|--|--|--|
|---------------------|----------------------------------|--|--|--|--|--|--|--|----------------------|--|--|--|--|--|--|



## Carrier

|                    |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                    |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| boring Ø x L in mm | 17.4 x 91   | 17.4 x 91   | 17.4 x 91   | 17.4 x 91   | 17.4 x 91   | 17.4 x 91   | 17.4 x 91   | 17.4 x 91   | 17.4 x 91   | 17.4 x 91   | 30.2 x 92   | 17.4 x 91   | 30.2 x 92   | 30.2 x 92   | 30.2 x 92   |
| vessels per rotor  | 32          | 32          | 32          | 32          | 32          | 32          | 32          | 32          | 32          | 32          | 8           | 32          | 8           | 8           | 8           |
| <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>1467</b> | <b>1467</b> | <b>1468</b> | <b>1467</b> | <b>1468</b> | <b>1468</b> | <b>1468</b> |

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.

# ANGLE ROTOR, 6-PLACE | 1620A



## Rotor

|                                  |                                 |
|----------------------------------|---------------------------------|
| max. RPM   max. RCF              | 6,000 min <sup>-1</sup>   4,226 |
| max. capacity                    | 6 x 94 ml                       |
| run-up   run-down, braked in sec | 19   22                         |
| angle   max. noise level         | 35°   53 dB (A)                 |
| <b>Cat. No.</b>                  | <b>1620A</b>                    |



## Vessels

|                        |                  |                         |                           |         |          |          |                                         |           |         |          |          |                             |          |          |          |
|------------------------|------------------|-------------------------|---------------------------|---------|----------|----------|-----------------------------------------|-----------|---------|----------|----------|-----------------------------|----------|----------|----------|
|                        |                  |                         |                           |         |          |          |                                         |           |         |          |          |                             |          |          |          |
| capacity in ml         | 0.5              | 1.5                     | 2.0                       | 3       | 15       | 50       | 94                                      | 7.5 – 8.5 | 9 – 10  | 10       | 8.5 – 10 | 5                           | 15       | 50       | 50       |
| Ø x L in mm            | 10.7 x 36        | 11 x 38                 | 11 x 38                   | 10 x 60 | 17 x 100 | 34 x 100 | 38 x 102                                | 15 x 92   | 16 x 92 | 15 x 102 | 16 x 100 | 17 x 59                     | 17 x 120 | 29 x 115 | 29 x 115 |
| max. RCF <sup>2)</sup> | 4,105            | 4,105                   | 4,105                     | 4,105   | 3,904    | 4,146    | 4,226                                   | 3,904     | 3,904   | 3,904    | 3,904    | 3,824                       | 3,985    | 3,985    | 3,985    |
| radius in mm           | 102              | 102                     | 102                       | 102     | 97       | 103      | 105                                     | 97        | 97      | 97       | 97       | 95                          | 99       | 99       | 99       |
| <b>Cat. No.</b>        | <b>Pediatric</b> | <b>microliter tubes</b> | <b>tubes<sup>2)</sup></b> |         |          |          | <b>blood collection / urine vessels</b> |           |         |          | <b>-</b> | <b>tubes with screw cap</b> |          |          |          |



## Adapter

|                    |             |             |             |             |             |             |             |             |             |             |             |             |             |             |                          |
|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------|
|                    |             |             |             |             |             |             |             |             |             |             |             |             |             |             |                          |
| boring Ø x L in mm | 11.4 x 39   | 11.4 x 39   | 11.4 x 39   | 11.4 x 39   | 17.5 x 92   | 35 x 89     | 38.6 x 90.2 | 17.5 x 92   | 17.5 x 92   | 17.5 x 92   | 17.5 x 92   | 17 x 51     | 17 x 106    | 29.8 x 97   | -                        |
| vessels per rotor  | 24          | 24          | 24          | 24          | 6           | 6           | 6           | 6           | 6           | 6           | 6           | 6           | 6           | 6           | 6                        |
| <b>Cat. No.</b>    | <b>1449</b> | <b>1449</b> | <b>1449</b> | <b>1449</b> | <b>1451</b> | <b>1463</b> | <b>-</b>    | <b>1451</b> | <b>1451</b> | <b>1451</b> | <b>1451</b> | <b>1476</b> | <b>1466</b> | <b>1454</b> | <b>1646<sup>3)</sup></b> |

## Vessels

|                        |                             |         |          |          |
|------------------------|-----------------------------|---------|----------|----------|
|                        |                             |         |          |          |
| capacity in ml         | 10                          | 30      | 50       | 85       |
| Ø x L in mm            | 16 x 80                     | 26 x 95 | 29 x 107 | 38 x 106 |
| max. RCF <sup>2)</sup> | 3,904                       | 3,824   | 4,025    | 4,226    |
| radius in mm           | 97                          | 95      | 100      | 105      |
| <b>Cat. No.</b>        | <b>tubes with screw cap</b> |         |          |          |



## Adapter

|                    |             |             |             |             |
|--------------------|-------------|-------------|-------------|-------------|
|                    |             |             |             |             |
| boring Ø x L in mm | 16.5 x 74   | 26 x 85     | 29 x 92     | 38.6 x 90.2 |
| vessels per rotor  | 12          | 6           | 6           | 6           |
| <b>Cat. No.</b>    | <b>1448</b> | <b>1447</b> | <b>1446</b> | <b>-</b>    |

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) Adapter (Set), 6-place: for conical 50 ml tubes with screw cap.

## — ANGLE ROTOR, 12-PLACE | 1613

### Rotor



|                                  |                                 |
|----------------------------------|---------------------------------|
| max. RPM   max. RCF              | 6,000 min <sup>-1</sup>   4,146 |
| max. capacity                    | 12 x 15 ml                      |
| run-up   run-down, braked in sec | 13   15                         |
| angle   max. noise level         | 35°   55 dB (A)                 |
| <b>Cat. No.</b>                  | <b>1613</b>                     |



### Vessels

|                        |                  |                           |         |         |          |                                         |         |         |         |         |         |         |
|------------------------|------------------|---------------------------|---------|---------|----------|-----------------------------------------|---------|---------|---------|---------|---------|---------|
|                        |                  |                           |         |         |          |                                         |         |         |         |         |         |         |
| capacity in ml         | 0.5              | 4                         | 5       | 6       | 15       | 1.1–1.4                                 | 2.6–3.4 | 2.7–3   | 4.5–5   | 4.9     | 7.5–8.5 | 9–10    |
| Ø x L in mm            | 10.7 x 36        | 10 x 88                   | 12 x 75 | 12 x 82 | 17 x 100 | 8 x 66                                  | 13 x 65 | 11 x 66 | 11 x 92 | 13 x 90 | 15 x 92 | 16 x 92 |
| max. RCF <sup>2)</sup> | 2,777            | 3,502                     | 3,300   | 3,300   | 4,146    | 3,300                                   | 3,300   | 3,300   | 4,146   | 4,146   | 4,146   | 4,146   |
| radius in mm           | 69               | 87                        | 82      | 82      | 103      | 82                                      | 82      | 82      | 103     | 103     | 103     | 103     |
| <b>Cat. No.</b>        | <b>Pediatric</b> | <b>tubes<sup>2)</sup></b> |         |         |          | <b>blood collection / urine vessels</b> |         |         |         |         |         |         |



### Adapter

|                    |                                |             |               |               |           |               |               |               |           |           |           |           |
|--------------------|--------------------------------|-------------|---------------|---------------|-----------|---------------|---------------|---------------|-----------|-----------|-----------|-----------|
|                    |                                |             |               |               |           |               |               |               |           |           |           |           |
| boring Ø x L in mm | 11 x 35                        | 11.5 x 67.5 | 13.5 x 60     | 13.5 x 60     | 17.7 x 88 | 13.5 x 60     | 13.5 x 60     | 13.5 x 60     | 17.7 x 88 | 17.7 x 88 | 17.7 x 88 | 17.7 x 88 |
| vessels per rotor  | 12                             | 12          | 12            | 12            | 12        | 12            | 12            | 12            | 12        | 12        | 12        | 12        |
| <b>Cat. No.</b>    | <b>2 x 1063-6<br/>(6 pcs.)</b> | <b>6305</b> | <b>1054-A</b> | <b>1054-A</b> | <b>-</b>  | <b>1054-A</b> | <b>1054-A</b> | <b>1054-A</b> | <b>-</b>  | <b>-</b>  | <b>-</b>  | <b>-</b>  |

### Vessels

|                        |                                         |          |          |          |          |          |
|------------------------|-----------------------------------------|----------|----------|----------|----------|----------|
|                        |                                         |          |          |          |          |          |
| capacity in ml         | 1.6–5                                   | 4–7      | 8        | 8.5–10   | 5        | 15       |
| Ø x L in mm            | 13 x 75                                 | 13 x 100 | 16 x 125 | 16 x 100 | 17 x 59  | 17 x 120 |
| max. RCF <sup>2)</sup> | 3,300                                   | 4,146    | 4,146    | 4,146    | 3,180    | 4,146    |
| radius in mm           | 82                                      | 103      | 103      | 103      | 79       | 103      |
| <b>Cat. No.</b>        | <b>blood collection / urine vessels</b> |          |          |          | <b>-</b> | <b>-</b> |



### Adapter

|                    |               |             |           |           |             |           |
|--------------------|---------------|-------------|-----------|-----------|-------------|-----------|
|                    |               |             |           |           |             |           |
| boring Ø x L in mm | 13.5 x 60     | 13.5 x 79   | 17.7 x 88 | 17.7 x 88 | 17 x 25     | 17.7 x 88 |
| vessels per rotor  | 12            | 12          | 6         | 12        | 12          | 6         |
| <b>Cat. No.</b>    | <b>1054-A</b> | <b>1058</b> | <b>-</b>  | <b>-</b>  | <b>1064</b> | <b>-</b>  |

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.

## CERTIFICATIONS / REGISTRATIONS

Product certification:



Product registration:



Company certifications:



## DOWNLOADS

[↓ Operating manual – ROTOFIX 32 A](#)
[↓ General Catalog](#)

## DIMENSIONS

