

## Centrifuge Selection Chart

Selection by Tube Size, RCF, RPM Requirements.

| End User Requirements |                    |                  |                                  |          |          | Hardware Configuration                                    |              |   |                  |                          |              |             |          |
|-----------------------|--------------------|------------------|----------------------------------|----------|----------|---|--------------|---|------------------|--------------------------|--------------|-------------|----------|
| Tube Capacity (ml)    | Tube Diameter (mm) | Tube Length (mm) | No. of Tubes per Bucket / Insert | Max. RCF | Max. RPM | Bucket Insert / Adaptor                                   | Bucket       | Rotor   | Centrifuge Model |                          |              |             |          |
| 0.5                   |                    |                  | 48                               | 12000    | 11000    |   |              | Fixed Angle Rotor   | CEN91800 005     | Orbital 260              | CEN91800     |             |          |
| 1.5                   | 11                 | 41               | 12                               | 18360    | 16500    |   |              | Fixed Angle Rotor   | CEN90200 001     | Orbital 160              | CEN90200     |             |          |
| 1.5                   | 11                 | 43               | 24                               |          |          | Multi-adaptor Insert, 24 x 1.5ml (Set of 4)               | CEN92300 007 | Buckets for Tube Carrier Inserts (Set of 4)                     | CEN92300 005     | Swing Rotor (Rotor only) | CEN92300 004 | Orbital 460 | CEN92300 |
| 1.5 or 2.2            |                    |                  | 12                               | 18930    | 16500    |   |              | Fixed Angle Rotor   | CEN91800 001     | Orbital 260              | CEN91800     |             |          |
| 1.5 or 2.2            |                    |                  | 24                               | 16280    | 13500    |   |              | Fixed Angle Rotor   | CEN91800 004     | Orbital 260              | CEN91800     |             |          |
| 5                     | 14                 | 100              | 28                               | 3040     | 4000     | Multi-adaptor Insert, 28 x 5ml (Set of 4)                 | CEN92300 006 | Buckets for Tube Carrier Inserts (Set of 4)                     | CEN92300 005     | Swing Rotor (Rotor only) | CEN92300 004 | Orbital 460 | CEN92300 |
| 5                     | 14                 | 100              | 12                               | 3100     | 4200     |   |              | Bucket, 12 x 5ml / 10ml (Set of 4)                              | CEN92300020      | Swing Rotor (Rotor only) | CEN92300 013 | Orbital 460 | CEN92300 |
| 5                     | 15                 | 69               | 24                               | 4100     | 5000     |   |              | Swing Out Rotor   | CEN91700 003     | Orbital 360              | CEN91700     |             |          |
| 5                     | 14                 | 53               | 8                                | 12300    | 13500    |   |              | Fixed Angle Rotor   | CEN90200 002     | Orbital 160              | CEN90200     |             |          |
| 5                     |                    |                  | 10                               | 12300    | 13500    |   |              | Fixed Angle Rotor   | CEN91800 002     | Orbital 260              | CEN91800     |             |          |
| 6                     | 13                 | 116              | 4                                | 2760     | 4200     | Adaptor, 50ml to 6ml Vacurette (Set of 4)                 | CEN91700 035 |   |                  | Swing Out Rotor          | CEN91700 004 | Orbital 360 | CEN91700 |
| 7                     | 13                 | 70               | 18                               | 3100     | 4200     |   |              | Bucket 18 x 7ml (set of 4)                                      | CEN92300019      | Swing Rotor (Rotor only) | CEN92300 013 | Orbital 460 | CEN92300 |
| 7                     | 17                 | 115              | 8                                | 3100     | 4200     |   |              | Bucket ( 8 x 15ml / 10ml / 7 ml) (Set of 4) (Adaptors included) | CEN92300018      | Swing Rotor (Rotor only) | CEN92300 013 | Orbital 460 | CEN92300 |
| 9                     | 17                 | 116              | 4                                | 2760     | 4200     | Adaptor, 50ml to 15ml Falcon, 8.5ml Vacutainer (Set of 4) | CEN91700 034 |   |                  | Swing Out Rotor          | CEN91700 004 | Orbital 360 | CEN91700 |

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| End User Requirements |                    |                  |                                  |          |          | Hardware Configuration   |   |                          |                  |             |          |
|-----------------------|--------------------|------------------|----------------------------------|----------|----------|--|---|--------------------------|------------------|-------------|----------|
| Tube Capacity (ml)    | Tube Diameter (mm) | Tube Length (mm) | No. of Tubes per Bucket / Insert | Max. RCF | Max. RPM | Bucket Insert / Adaptor  | Bucket  | Rotor                    | Centrifuge Model |             |          |
| 10                    | 16                 | 89               | 24                               | 2850     | 4000     |  |   | Fixed Angle Rotor        | CEN91700 001     | Orbital 360 | CEN91700 |
| 10                    | 16                 | 100              | 20                               | 3040     | 4000     | Multi-adaptor Insert, 20 x 10ml (Set of 4) CEN92300 008                | Buckets for Tube Carrier Inserts (Set of 4) CEN92300 005                    | Swing Rotor (Rotor only) | CEN92300 004     | Orbital 460 | CEN92300 |
| 10                    | 17                 | 115              | 8                                | 3100     | 4200     |  | Bucket ( 8 x 15ml / 10ml / 7 ml) (Set of 4) (Adaptors included) CEN92300018 | Swing Rotor (Rotor only) | CEN92300 013     | Orbital 460 | CEN92300 |
| 10                    | 14                 | 100              | 12                               | 3100     | 4200     |  | Bucket, 12 x 5ml / 10ml (Set of 4) CEN92300020                              | Swing Rotor (Rotor only) | CEN92300 013     | Orbital 460 | CEN92300 |
| 10                    |                    |                  | 4                                | 3200     | 6000     |  |   | Swing Out Rotor          | CEN91800 006     | Orbital 260 | CEN91800 |
| 10                    | 16                 | 83               | 12                               | 5310     | 5500     |  |   | Fixed Angled Rotor       | CEN92300 001     | Orbital 460 | CEN92300 |
| 10                    |                    |                  | 12                               | 15500    | 12300    |  |   | Fixed Angle Rotor        | CEN91800 003     | Orbital 260 | CEN91800 |
| 15                    | 18                 | 88               | 12                               | 4100     | 5000     |  |   | Swing Out Rotor          | CEN91700 002     | Orbital 360 | CEN91700 |
| 15                    | 17                 | 116              | 4                                | 2760     | 4200     | Adaptor, 50ml to 15ml Falcon, 8.5ml Vacutainer (Set of 4) CEN91700 034 |   | Swing Out Rotor          | CEN91700 004     | Orbital 360 | CEN91700 |
| 15                    | 17                 | 118              | 10                               | 3040     | 4000     | Multi-adaptor Insert 10 x 15ml (Set of 4) CEN92300 009                 | Buckets for Tube Carrier Inserts (Set of 4) CEN92300 005                    | Swing Rotor (Rotor only) | CEN92300 004     | Orbital 460 | CEN92300 |
| 15                    | 17                 | 115              | 8                                | 3100     | 4200     |  | Bucket ( 8 x 15ml / 10ml / 7 ml) (Set of 4) (Adaptors included) CEN92300018 | Swing Rotor (Rotor only) | CEN92300 013     | Orbital 460 | CEN92300 |
| 50                    | 29                 | 116              | 4                                | 2760     | 4200     |  |   | Swing Out Rotor          | CEN91700 004     | Orbital 360 | CEN91700 |
| 50                    | 29                 | 116              | 4                                | 3040     | 4000     | Multi-adaptor Insert 4 x 50ml, Round Bottom (Set of 4) CEN92300 011    | Buckets for Tube Carrier Inserts (Set of 4) CEN92300 005                    | Swing Rotor (Rotor only) | CEN92300 004     | Orbital 460 | CEN92300 |

# Centrifuge Selection Chart

Selection by Tube Size, RCF, RPM Requirements.

| End User Requirements |                    |                  |                                  |          |          | Hardware Configuration   |   |   |                  |             |          |  |
|-----------------------|--------------------|------------------|----------------------------------|----------|----------|--|---|---|------------------|-------------|----------|--|
| Tube Capacity (ml)    | Tube Diameter (mm) | Tube Length (mm) | No. of Tubes per Bucket / Insert | Max. RCF | Max. RPM | Bucket Insert / Adaptor  | Bucket  | Rotor                                   | Centrifuge Model |             |          |  |
| 50                    | 30                 | 116              | 4                                | 3040     | 4000     | Multi-adaptor Insert 4 x 50ml, Falcon® Style (Set of 4)<br>CEN92300 012  | Buckets for Tube Carrier Inserts (Set of 4)<br>CEN92300 005 | Swing Rotor (Rotor only)                | CEN92300 004     | Orbital 460 | CEN92300 |  |
| 15                    | 17                 | 121              | 10                               | 3040     | 4000     | Multi-adaptor Insert 10 x 15ml, Falcon® Style (Set of 4)<br>CEN92300 010 | Buckets for Tube Carrier Inserts (Set of 4)<br>CEN92300 005 | Swing Rotor (Rotor only)                | CEN92300 004     | Orbital 460 | CEN92300 |  |
| 50                    | 30                 | 116              | 2                                | 3100     | 4200     |  | Bucket, 2 x 50ml (Set of 4)<br>CEN92300016                  | Swing Rotor (Rotor only)                | CEN92300 013     | Orbital 460 | CEN92300 |  |
| 100                   | 38                 | 124              | 2                                | 3100     | 4200     |  | Bucket, 2 x 100ml (Set of 4)<br>CEN92300017                 | Swing Rotor (Rotor only)                | CEN92300 013     | Orbital 460 | CEN92300 |  |
| 250                   | 62                 | 120              | 1                                | 4000     | 3040     | Multi-adaptor Insert 250ml (Set of 4)<br>CEN92300 003                    | Buckets for Tube Carrier Inserts (Set of 4)<br>CEN92300 005 | Swing Rotor (Rotor only)                | CEN92300 004     | Orbital 460 | CEN92300 |  |
| 0                     | 2                  | 75               | 12                               | 13000    | 12000    |  |   | Microhaematocrit Rotor                  | CEN90200 003     | Orbital 160 | CEN90200 |  |
| 0                     | 2                  | 75               | 24                               | 14800    | 12000    |  |   | Microhaematocrit Rotor                  | CEN91800 009     | Orbital 260 | CEN91800 |  |
| 0                     |                    |                  |                                  | 2260     | 4000     |  |   | Microtitre / Microplate Rotor           | CEN92399 032     | Orbital 460 | CEN92300 |  |
| 0                     |                    | 192 (2 x 2 x 48) |                                  | 1400     | 3000     |  |   | Microtitre / Microplate Swing Out Rotor | CEN91800 007     | Orbital 260 | CEN91800 |  |


## Orbital 160 - CEN90200

Rotor and Tube Options.

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| End User Requirements |                    |                  |                                  |          |                        | Rotor Options     |               | Centrifuge  |
|-----------------------|--------------------|------------------|----------------------------------|----------|------------------------|-------------------|---------------|---|
| Tube Capacity (ml)    | Tube Diameter (mm) | Tube Length (mm) | No. of Tubes per Bucket / Insert | Max. RCF | Max. RPM               | Description       | Catalogue No. | Description   |
| 1.5                   | 10.5               | 41               | 12                               | 18,360   | 16,500                 | Fixed Angle Rotor | CEN90200 001  | Orbital 160 CEN90200<br> |
| 5                     | 13.5               | 53               | 8                                | 12,300   | 13,500                 | Fixed Angle Rotor | CEN90200 002  |   |
| 1.75                  | 75                 | 12               | 13,000                           | 12,000   | Microhaematocrit Rotor | CEN90200 003      |               |   |








## Orbital 260 - CEN91800


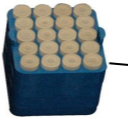
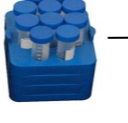


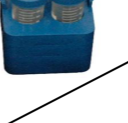


### Rotor, Bucket and Tube Options

| End User Requirements |                    |                  |                                  |          |          | Rotor Options                                 |               | Centrifuge   |               |
|-----------------------|--------------------|------------------|----------------------------------|----------|----------|---|---------------|--|---------------|
| Tube Capacity (ml)    | Tube Diameter (mm) | Tube Length (mm) | No. of Tubes per Bucket / Insert | Max. RCF | Max. RPM | Description                                   | Catalogue No. | Description  | Catalogue No. |
| 1.5 or 2.2            |                    |                  | 12                               | 18,930   | 16,500   | Fixed Angle Rotor                             | CEN91800 001  |  <p>Orbital 260 CEN91800</p> |               |
| 5                     |                    |                  | 10                               | 12,300   | 13,500   | Fixed Angle Rotor                             | CEN91800 002  |  |               |
| 10                    |                    |                  | 12                               | 15,500   | 12,300   | Fixed Angle Rotor                             | CEN91800 003  |  |               |
| 1.5 or 2.2            |                    |                  | 24                               | 16,280   | 13,500   | Fixed Angle Rotor                             | CEN91800 004  |  |               |
| 0.5                   |                    |                  | 48                               | 12,000   | 11,000   | Fixed Angle Rotor                             | CEN91800 005  |  |               |
| 10                    |                    |                  | 4                                | 3,200    | 6,000    | Swing Out Rotor                               | CEN91800 006  |  |               |
|                       |                    |                  | 192<br>(2 x 2 x 48)              | 1,400    | 3,000    | Microtitre /<br>Microplate<br>Swing Out Rotor | CEN91800 007  |  |               |
| 1.75                  | 75                 |                  | 24                               | 14,800   | 12,000   | Microhaematocrit<br>Rotor                     | CEN91800 009  |  |               |

## Orbital 360 - CEN91700

### Rotor, Bucket and Tube Options

| End User Requirements |                    |                                 |                                  |          |          | Tube Carrier Insert Options                               |               | Rotor Options     |               | Centrifuge  |   |          |
|-----------------------|--------------------|---------------------------------|----------------------------------|----------|----------|---|---------------|-------------------|---------------|---|---|----------|
| Tube Capacity (ml)    | Tube Diameter (mm) | Tube Length (mm excl. cushions) | No. of Tubes per Bucket / Insert | Max. RCF | Max. RPM | Description   | Catalogue No. | Name              | Catalogue No. | Description   | Catalogue No.   |          |
| 10                    | 15.5               | 89                              | 24                               | 2850     | 4000     |   |               | Fixed Angle Rotor | CEN91700 001  |  | Orbital 360   | CEN91700 |
| 15                    | 17.5               | 87.5                            | 12                               | 4100     | 5000     |   |               | Swing Out Rotor   | CEN91700 002  |  |  |          |
| 5                     | 14.5               | 69                              | 24                               | 4100     | 5000     |   |               | Swing Out Rotor   | CEN91700 003  |  |   |          |
| 50                    | 29                 | 116                             | 4                                | 2760     | 4200     |   |               | Swing Out Rotor   | CEN91700 004  |  |   |          |
| 8.5                   | 17                 | 116                             | 4                                | 2760     | 4200     | Adaptor, 50ml to 15ml Falcon, 8.5ml Vacutainer (Set of 4) | CEN91700 034  |                   |               |   |   |          |
| 6                     | 13                 | 116                             | 4                                | 2760     | 4200     | Adaptor, 50ml to 6ml Vacuette (Set of 4)                  | CEN91700 035  |                   |               |   |   |          |
|                       |                    |                                 |                                  |          |          |   |               |                   |               |   |   |          |

| End User Requirements |                    |                  |                                  |          |          | Tube Carrier Insert Options                              |   | Tube Carrier Buckets - Options  |               | Rotor Options                 |               | Centrifuge  |               |
|-----------------------|--------------------|------------------|----------------------------------|----------|----------|--|---|---|---------------|-------------------------------|---------------|-------------|---------------|
| Tube Capacity (ml)    | Tube Diameter (mm) | Tube Length (mm) | No. of Tubes per Bucket / Insert | Max. RCF | Max. RPM | Description  | Catalogue No.   | Description   | Catalogue No. | Description                   | Catalogue No. | Description | Catalogue No. |
| 10                    | 16                 | 83               | 12                               | 5310     | 5500     |  |   |   |               | Fixed Angled Rotor            | CEN92300 001  | Orbital 460 | CEN92300      |
| 1.5                   | 11                 | 43               | 24                               |          |          | Multi-adaptor Insert, 24 x 1.5ml (Set of 4)              | CEN92300 007  | Buckets for Tube Carrier Inserts (Set of 4)   | CEN92300 005  | Swing Rotor (Rotor only)      | CEN92300 004  |             |               |
| 5                     | 14                 | 100              | 28                               | 3040     | 4000     | Multi-adaptor Insert, 28 x 5ml (Set of 4)                | CEN92300 006  |    |               |                               |               |             |               |
| 10                    | 16                 | 100              | 20                               | 3040     | 4000     | Multi-adaptor Insert, 20 x 10ml (Set of 4)               | CEN92300 008  |    |               |                               |               |             |               |
| 15                    | 17                 | 118              | 10                               | 3040     | 4000     | Multi-adaptor Insert 10 x 15ml (Set of 4)                | CEN92300 009  |    |               |                               |               |             |               |
| 15                    | 17                 | 121              | 10                               | 3040     | 4000     | Multi-adaptor Insert 10 x 15ml, Falcon® Style (Set of 4) | CEN92300 010  |    |               |                               |               |             |               |
| 50                    | 29                 | 116              | 4                                | 3040     | 4000     | Multi-adaptor Insert 4 x 50ml, Round Bottom (Set of 4)   | CEN92300 011  |   |               |                               |               |             |               |
| 50                    | 30                 | 116              | 4                                | 3040     | 4000     | Multi-adaptor Insert 4 x 50ml, Falcon® Style (Set of 4)  | CEN92300 012  |  |               |                               |               |             |               |
| 250                   | 62                 | 120              | 1                                |          |          | Multi-adaptor Insert 250ml (Set of 4)                    | CEN92300 003  |   |               |                               |               |             |               |
|                       |                    |                  |                                  | 3040     | 4000     |  |   | Microtitre Buckets (Set of 4)   | CEN92300 032  |                               |               |             |               |
| 50                    | 30                 | 116              | 2                                | 3100     | 4200     |  |   | Bucket, 2 x 50ml (Set of 4)   | CEN92300016   | Swing Rotor (Rotor only)      | CEN92300 013  |             |               |
| 100                   | 38                 | 124              | 2                                | 3100     | 4200     |  |  | Bucket, 2 x 100ml (Set of 4)  | CEN92300017   |                               |               |             |               |
|                       | 17                 | 115              | 8                                | 3100     | 4200     |  |  | Bucket ( 8 x 15ml / 10ml / 7 ml) (Set of 4) (Adaptors included)                       | CEN92300018   |                               |               |             |               |
| 7                     | 13                 | 70               | 18                               | 3100     | 4200     |  |   | Bucket 18 x 7ml (set of 4)  | CEN92300019   |                               |               |             |               |
|                       | 14                 | 100              | 12                               | 3100     | 4200     |  |   | Bucket, 12 x 5ml / 10ml (Set of 4)  | CEN92300020   |                               |               |             |               |
|                       |                    |                  |                                  | 2260     | 4000     |  |   |   |               | Microtitre / Microplate Rotor | CEN92399 032  |             |               |