

Rotors for Centrifuge 5427 R



Rotor S-24-11-AT

- > Max. speed: 16,049 × g (12,700 rpm)
- > Swing-bucket rotor for 24 × 1.5/2.0 mL tubes
- > Aerosol-tight with Eppendorf QuickLock® lid
- > Perfect for phase-separation applications such as phenol-chloroform extraction



Rotor FA-45-12-17

- > Max. speed: 20,600 × g (14,000 rpm)
- > Max capacity: 12 × Eppendorf Tubes® 5.0 mL
- > Aerosol-tight with Eppendorf QuickLock® lid



Rotor F-45-48-5-PCR

- > Max. speed: 11,710 × g (10,500 rpm)
- > PCR strip rotor for up to 48 × 0.2 mL PCR tubes

Ordering information

| Description | Order no. |
|--|--------------|
| Rotor FA-45-48-11, incl. rotor lid, aerosol-tight | 5409 710.001 |
| Rotor F-45-48-11, incl. rotor lid | 5409 712.004 |
| Rotor FA-45-30-11, incl. rotor lid, aerosol-tight | 5409 706.004 |
| Rotor F-45-30-11, incl. rotor lid | 5409 708.007 |
| Rotor FA-45-24-11, incl. rotor lid, aerosol-tight | 5409 702.009 |
| Rotor FA-45-24-11-Kit, incl. rotor lid, aerosol-tight | 5409 704.001 |
| Rotor S-24-11-AT, incl. wind shield and rotor lid | 5409 715.003 |
| Rotor F-45-48-5-PCR | 5409 714.007 |
| Rotor FA-45-12-17, incl. rotor lid, for 12 Eppendorf Tubes® 5.0 mL | 5409 700.006 |
| Adapter, for 1 vessel 1.5 – 2.0 mL, for Rotors FA-45-12-17, FA-45-16-17 and FA-45-20-17, set of 4 pcs. | 5820 768.002 |
| Adapter, for 1 cryo tube, for Rotors FA-45-12-17, FA-45-16-17 and FA-45-20-17, set of 4 pcs. | 5820 769.009 |
| Adapter, for 1 HLPC tube, for Rotors FA-45-12-17, FA-45-16-17 and FA-45-20-17, set of 4 pcs. | 5820 770.007 |
| Adapter, for 1 tube 0.5 mL, max. Ø 6 mm or microtainer 0.6 mL, max. Ø 8 mm, for all 1.5/2.0 mL rotors, set of 6 pcs. | 5425 716.001 |
| Adapter, for 1 tube 0.4 mL, max. Ø 6 mm, for all 1.5/2.0 mL rotors, set of 6 pcs. | 5425 717.008 |
| Adapter, for 1 PCR tube 0.2 mL, max. Ø 6 mm, for all 1.5/2.0 mL rotors, set of 6 pcs. | 5425 715.005 |

✎ Ordering information for other voltage options begins on page 478

i For more information go to www.eppendorf.com/centrifugation

Technical specifications subject to change.

Centrifuge 5430/5430 R



Description

Unique cross-over Centrifuge 5430 and 5430 R combine the best features of a microcentrifuge (small footprint) and multipurpose centrifuge (versatility) in one instrument. These centrifuges spin rotors for Eppendorf tubes and PCR strips as you would expect from any microcentrifuge. But that's not all. In a compact size, Centrifuge 5430 and 5430 R also accommodate rotors for microplates and 15/50 mL conical tubes. Now, the rotor program has been expanded with additional Eppendorf QuickLock® rotors. This includes 48-place rotors (1.5/2.0 mL), a 16-place rotor for Eppendorf Tubes® 5.0 mL and a swing-bucket rotor (24 × 1.5/2.0 mL). With their unmatched versatility, Centrifuge 5430 and Centrifuge 5430 R are the flagship products among the Eppendorf microcentrifuge portfolio.

Technical specifications

| Model | 5430 | 5430 R |
|---------------------------|---|---|
| Max. RCF | 30,130 × g | 30,130 × g |
| Max. speed | 17,500 rpm | 17,500 rpm |
| Max. capacity | 48 × 1.5/2.0 mL, 6 × 50 mL, 2 × MTP | 48 × 1.5/2.0 mL, 6 × 50 mL, 2 × MTP |
| Rotors available | 12 | 12 |
| Acceleration time | 14 s | 14 s |
| Deceleration time | 15 s | 15 s |
| Timer | 30 s to 99:59 h, with continuous run function | 30 s to 99:59 h, with continuous run function |
| SOFT brake function | yes | yes |
| Noise level | < 58 dB(A) with Rotor F-45-30-11 | < 54 dB(A) with Rotor F-45-30-11 |
| Max. power consumption | 475 W | 1,050 W |
| Dimensions (W × D × H) | 33 × 42 × 25 cm | 38 × 64 × 29 cm |
| Height (with open lid) | 56 cm | 63 cm |
| Weight w/o accessories | 29 kg | 56 kg |
| Cooling | non-refrigerated | refrigerated |
| Temperature control range | | -11 °C to 40 °C |

Product features

- > Max. rotor capacity: 48 × 1.5/2.0 mL, 6 × 50 mL, 2 × MTP
- > Max. speed: 30,130 × g (17,500 rpm)
- > Remarkable versatility with 12 different rotors
- > Soft-touch one-finger lid closure for ergonomic operation
- > Menu-driven, multi lingual operation menu (English, German, French, Spanish) with large backlit display
- > 5 program keys for easy access to routine programs
- > Saves up to 50 user-defined programs
- > Automatic imbalance detection
- > Eppendorf QuickLock® – System for quickly opening and closing the rotor lid

Special features for Centrifuge 5430 R

- > Temperature range: -11 °C to +40 °C
- > The patented compressor technology reduces vibrations and protects your samples
- > Continuous cooling maintains a constant temperature after the run has been completed – your samples stay cool
- > FastTemp pro® function for programmable pre-cooling according to day and time
- > ECO shut-off engages after 8 hours of nonuse to reduce energy consumption (37 % overnight) and extend compressor life (can be deactivated in menu)
- > Built-in condensation drain to eliminate water accumulation

Your local distributor: www.eppendorf.com/contact

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Centrifuge 5430/5430 R

Ordering information

| Description | Order no. |
|---|--------------|
| Centrifuge 5430 , non-refrigerated, with Rotor FA-45-30-11 incl. rotor lid | |
| keypad, 230 V/50 – 60 Hz | 5427 000.216 |
| rotary knobs, 230 V/50 – 60 Hz | 5427 000.410 |
| Centrifuge 5430 , non-refrigerated, without rotor | |
| keypad, 230 V/50 – 60 Hz | 5427 000.011 |
| rotary knobs, 230 V/50 – 60 Hz | 5427 000.615 |
| Centrifuge 5430 R , refrigerated, with Rotor FA-45-30-11 incl. rotor lid | |
| keypad, 230 V/50 – 60 Hz | 5428 000.015 |
| rotary knobs, 230 V/50 – 60 Hz | 5428 000.414 |
| Centrifuge 5430 R , refrigerated, without rotor | |
| keypad, 230 V/50 – 60 Hz | 5428 000.210 |
| rotary knobs, 230 V/50 – 60 Hz | 5428 000.619 |

✎ Ordering information for other voltage options begins on page 478

Rotors for Centrifuge 5430/5430 R



Rotor FA-45-48-11

- > Max. speed: 18,210 × g (12,700 rpm)
- > Max. capacity: 48 × 1.5/2.0 mL tubes
- > Aerosol-tight for safe centrifugation of hazardous samples
- > Eppendorf QuickLock® lid



Rotor F-45-48-11

- > Max. speed: 18,210 × g (12,700 rpm)
- > Max. capacity: 48 × 1.5/2.0 mL tubes



Rotor S-24-11-AT

- > Max. speed: 16,049 × g (12,700 rpm)
- > Swing-bucket rotor for 24 × 1.5/2.0 mL tubes
- > Aerosol-tight with Eppendorf QuickLock® lid
- > Perfect for phase-separation applications such as phenol-chloroform extraction



Rotor FA-45-16-17

- > Max. speed: 21,191 × g (14,200 rpm)
- > Max. capacity: 16 × Eppendorf Tubes® 5.0 mL
- > Aerosol-tight for safe centrifugation of hazardous samples
- > Eppendorf QuickLock® lid
- > Eppendorf Tubes® 5.0 mL with screw caps only can use up half (8 ×) of the places in the rotor



Rotor FA-45-30-11

- > Max. speed: 20,817 × g (14,000 rpm)
- > Max. capacity: 30 × 1.5/2.0 mL tubes
- > Aerosol-tight for safe centrifugation of hazardous samples
- > PTFE coating for increased chemical resistance
- > Eppendorf QuickLock® lid



Rotor FA-45-24-11-Kit

- > Max. speed: 19,090 × g (13,200 rpm)
- > Rotor with higher edge for safe centrifugation of up to 24 spin columns
- > Aerosol-tight for safe centrifugation of hazardous samples
- > Eppendorf QuickLock® lid



Rotor F-45-30-11

- > Max. speed: 20,817 × g (14,000 rpm)
- > Max. capacity: 30 × 1.5/2.0 mL tubes
- > PTFE coating for increased chemical resistance



Rotor FA-45-24-11-HS

- > Max. speed: 30,130 × g (17,500 rpm)
- > Max. capacity: 24 × 1.5/2.0 mL tubes
- > Extremely fast separation results
- > Aerosol-tight for safe centrifugation of hazardous samples
- > PTFE coating for increased chemical resistance

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Centrifuge 5430/5430 R

Rotors for Centrifuge 5430/5430 R



Rotor F-35-6-30

- > Max. speed: 7,745 × g (7,830 rpm)
- > Rotor for 6 × 15/50 mL conical or 12 × Vacutainer® tubes



Rotor A-2-MTP

- > Max. speed: 2,204 × g (4,680 rpm)
- > 2-place swing-bucket rotor for MTP, PCR and Deepwell Plates
- > Windshield design for whisper quiet operation



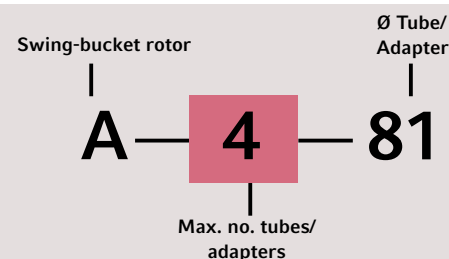
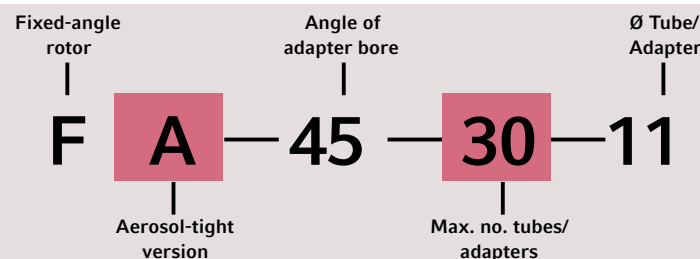
Rotor F-45-64-5-PCR

- > Max. speed: 13,543 × g (11,800 rpm)
- > PCR strip rotor for up to 64 × 0.2 mL PCR tubes



Rotor F-45-18-17-Cryo

- > Max. speed: 8,324 × g (8,900 rpm)
- > 18-place rotor for Cryovials®



Rotor code

All Eppendorf rotors are identified using a simple, alphanumeric format that represents the technical specifications in a uniform series of letters and numbers.

Ordering information

| Description | Order no. |
|---|--------------|
| Rotor FA-45-16-17, incl. rotor lid | 5427 750.002 |
| Rotor FA-45-48-11, incl. rotor lid, aerosol-tight | 5427 754.008 |
| Rotor F-45-48-11, incl. rotor lid | 5427 755.004 |
| Rotor S-24-11-AT, incl. rotor lid | 5427 757.007 |
| Rotor FA-45-30-11, incl. rotor lid, aerosol-tight | 5427 753.001 |
| Rotor FA-45-24-11-Kit, incl. rotor lid, aerosol-tight | 5427 752.005 |
| Rotor F-45-30-11, incl. rotor lid | 5427 712.003 |
| Rotor FA-45-24-11-HS, incl. rotor lid, aerosol-tight | 5427 710.000 |
| Rotor F-35-6-30, incl. rotor lid, with adapter for 15 mL/50 mL conical tubes | 5427 716.009 |
| Rotor A-2-MTP, incl. wind shield and rotor lid, with 2 buckets | 5427 700.005 |
| Rotor F-45-64-5-PCR, incl. rotor lid and adapters | 5427 714.006 |
| Rotor F-45-18-17-Cryo, incl. rotor lid and adapters | 5427 705.007 |
| Adapter, for 1 cryo containers (max. Ø 13 mm) or lidded centrifugation tubes (Ø 12.2 mm), max. length 50 mm, for Rotor F-45-18-17-Cryo, set of 6 pcs. | 5702 752.002 |
| Adapter, for 1 vessel 1.5 – 2.0 mL, for Rotors FA-45-12-17, FA-45-16-17 and FA-45-20-17, set of 4 pcs. | 5820 768.002 |
| Adapter, for 1 cryo tube, for Rotors FA-45-12-17, FA-45-16-17 and FA-45-20-17, set of 4 pcs. | 5820 769.009 |
| Adapter, for 1 HPLC tube, for Rotors FA-45-12-17, FA-45-16-17 and FA-45-20-17, set of 4 pcs. | 5820 770.007 |
| Adapter, for 1 tube 0.5 mL, max. Ø 6 mm or microtainer 0.6 mL, max. Ø 8 mm, for all 1.5/2.0 mL rotors, set of 6 pcs. | 5425 716.001 |
| Adapter, for 1 tube 0.4 mL, max. Ø 6 mm, for all 1.5/2.0 mL rotors, set of 6 pcs. | 5425 717.008 |
| Adapter, for 1 HPLC vessel 1.5 mL, for Rotor F-45-18-17-Cryo | 5427 708.006 |
| Adapter, for 1 PCR tube 0.2 mL, max. Ø 6 mm, for all 1.5/2.0 mL rotors, set of 6 pcs. | 5425 715.005 |

Adapter options 6 x 15/50 mL conical tube rotor

| Adapter | Rotor capacity ³⁾ | Max. tube dimensions Ø x L | Max. RCF | For bore hole | Order no. ⁴⁾ |
|-------------------------|------------------------------|----------------------------|-----------|---------------|-------------------------|
| 13 mm round | 12 | 13 × 65 – 89 mm | 6,443 × g | small | 5427 740.007 |
| | | | 6,100 × g | large | 5427 742.000 |
| 13 mm round | 12 | 13 × 90 – 110 mm | 7,471 × g | small | 5427 741.003 |
| | | | 7,129 × g | large | 5427 743.006 |
| 16 mm round | 12 | 16 × 75 – 105 mm | 7,005 × g | small | 5427 732.004 |
| | | | 7,005 × g | large | 5427 734.007 |
| 17 mm round | 12 | 17 × 90 – 125 mm | 7,745 × g | small | 5427 735.003 |
| | | | 7,403 × g | large | 5427 738.002 |
| Eppendorf Tubes® 5.0 mL | 12 | 17.5 × 80 mm | 6,237 × g | small | 5427 746.005 |
| | | | 7,129 × g | large | 5427 747.001 |
| 15 mL conical | 6 | 17.5 × 100 – 125 mm | 7,540 × g | small | 5427 726.004 |
| 30 mL round | 6 | 26 × 92 – 112 mm | 7,087 × g | large | 5427 736.000 |
| 50 mL round | 6 | 29 × 95 – 125 mm | 7,581 × g | large | 5427 737.006 |
| 50 mL conical | 6 ¹⁾²⁾ | 29.5 × 100 – 125 mm | 7,197 × g | large | 5427 727.000 |
| Centriprep® | 6 | 29.5 × 100 – 125 mm | 7,567 × g | large | 5427 723.005 |

¹⁾ Three sets of 2 included within 6 x 15/50 mL rotor package. ²⁾ Adapter accommodates skirted 50 mL conical tubes. ³⁾ Please perform a manual test to determine the actual loading capacity. ⁴⁾ Set of 2