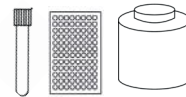


Your Partner in Laboratory Centrifuges

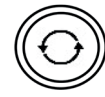


# Hawk R

## Small capacity bench top centrifuge



10 x 50ml



18 000 rpm



24 270 xg



# FEATURES

- More than 80 years in the centrifuge industry
- Adaptors available to spin tubes, bottles and other containers
- Fully programmable
- Maintenance free
- Effective cooling system
- Low height for easy loading
- Smooth and easy clean surface
- Continuous operation mode
- Modern design



## ANGLE ROTOR SYSTEMS

Rotor name	Rotor Cat. No.	Max. Capacity	Max. speed rpm	Max. RCF xg	Max. Φ mm	Adaptor Cat. No	Adaptor	Dimension No. x Φ (mm)
Hematocrite rotor for 24 capillaries	MSE2351	24 x 75 mm	13 000	16 816	1,4	N/A	N/A	N/A
Angle rotor for PCR strips with Hermetically Sealed Lid (angle 45°)	MSE1767	4 x 8 x 0.2 ml	14 000	15 339	10,2	N/A	N/A	N/A
Angle rotor 12 x 2/1.5 ml with Hermetically Sealed Lid (angle 45°)	MSE1250	12 x 2/1.5 ml	18 000	24 270	10,8	MSE4135	Round Adaptor without bottom for 0.5 ml tube	1 x 8 mm
Angle rotor 24 x 2/1.5 ml with Hermetically Sealed Lid (angle 45°)	MSE1512	24 x 2/1.5 ml	15 100	21 158	10,8	MSE4177	Round Adaptor for conical-bottom 0.4 ml tube	1 x 5.8 mm
Angle rotor 36 x 2/1.5 ml with Hermetically Sealed Lid (angle 45°)	MSE1513	36 x 2/1.5 ml	14 000	18 188	10,8	MSE4184	Round Adaptor for round-bottom 0.2 ml tube	1 x 6.2 mm
Angle rotor 12 x 5 ml with Hermetically Sealed Lid (angle 45°)	MSE1267	12 x 5 ml	14 000	19 064	12	N/A	N/A	N/A
Angle rotor 12 x 5 ml Eppendorf tubes with Hermetically Sealed Lid (angle 45°)	MSE1995	12 x 5 ml	15 000	21 382	17	N/A	N/A	N/A

Rotor name	Rotor Cat. No.	Max. Capacity	Max. speed rpm	Max. RCF xg	Max. Φ mm	Adaptor Cat. No	Adaptor	Dimension No. x Φ (mm)
Angle rotor 8 x 15/10 ml (angle 30°) (with bucket MSE3131)	MSE1792C/A	8 x 15/10 ml	6 000	4 226	17			
Angle rotor 8 x 10 ml (angle 30°) (with bucket MSE3132)	MSE1792C/B	8 x 10 ml	6 000	3 783	17			
Angle rotor 10 x 15/10 ml (angle 30°) (with bucket MSE3131)	MSE1268C/A	10 x 15/10 ml	6 000	4 226	17			
Angle rotor 10 x 10 ml (angle 30°) (with bucket MSE3132)	MSE1268C/B	10 x 10 ml	6 000	4 226	17			
Angle rotor 12 x 15/10 ml (angle 30°) (with bucket MSE3131)	MSE1791C/A	12 x 15/10 ml	5 500	3 686	17			
Angle rotor 12 x 10 ml (angle 30°) (with bucket MSE3132)	MSE1791C/B	12 x 10 ml	5 500	3 686	17			
Angle rotor 24 x 15/10 ml (angle 30°) (with bucket MSE3131)	MSE1796C/A	24 x 15/10 ml	5 000	3 354	17			
Angle rotor 24 x 10 ml (angle 30°) (with bucket MSE3132)	MSE1796C/B	24 x 10 ml	5 000	3 130	17			
Angle rotor 30 x 15/10 ml (angle 30°) (with bucket MSE3131)	MSE1552C/A	30 x 15/10 ml	4 500	3 011	17			
Angle rotor 30 x 10 ml (angle 30°) (with bucket MSE3132)	MSE1552C/B	30 x 10 ml	4 500	2 875	17			
Angle rotor 10 x 10 ml with Hermetically Sealed Lid (angle 30°)	MSE1766	10 x 10 ml	14 000	15 558	17	N/A	N/A	N/A
Angle rotor 12 x 30/25 ml (angle 30°) (with bucket MSE3380)	MSE1794C	12 x 30/25 ml	5 500	4 058	25,5	MSE4306 MSE4307	Round Adaptor without bottom for 15 ml Nalgene tube Round Adaptor without bottom for 15 ml Nalgene tube	1 x 13 mm 1 x 17 mm

MSE4133  
Round Adaptor without bottom  
1 x 13.3 mm

# SWING OUT ROTOR SYSTEMS

## Swing-out rotor 4 x 100 ml (OLD)

BECOMING OBSOLETE

Rotor name	Rotor Cat. No.	Max. Capacity	Max. speed rpm	Max. RCF xg	Max. Φ mm	Adaptor Cat. No	Adaptor	Dimension No. x Φ (mm)
Angle rotor 6 x 50 ml (angle 30°) (with bucket MSE3327)	MSE1797C	6 x 50 ml	6 000	3 130	30	MSE4086	Round Adaptor for round-bottom 15 ml Nalgene tube	11 x 17 mm
						MSE4087	Round Adaptor for round-bottom 5 ml tube	1 x 14 mm
						MSE4094	Round Adaptor for round-bottom 5 ml tube	1 x 13 mm
						MSE4122	Round Adaptor for round-bottom 28/30 ml Nalgene tube	1 x 25.8 mm
						MSE4124	Round Adaptor for round-bottom 10 ml and S-Monovette 7.5 ml tube	1 x 17 x 86 mm
Angle rotor 8 x 50 ml for Falcon tubes (angle 30°) (with bucket MSE3329)	MSE1264C/A	8 x 50 ml	5 000	3 494	30	MSE4140	Round Adaptor for round-bottom 15 ml Falcon tube	1 x 16.9 mm
						MSE4299	Round Adaptor without bottom for 28 ml Nalgene tube	1 x 25.6 mm
Angle rotor 8 x 50 ml for Falcon tubes (angle 30°) (with bucket MSE3327)	MSE1264C/B	8 x 50 ml	5 000	3 494	30	MSE4919C/A	Round Adaptor used with MSE4140 Adaptor for 5 ml Eppendorf snap cap or screw cap tube	
						MSE4919C/B	Round Adaptor used with MSE4140 Adaptor for 5 ml Eppendorf snap cap or screw cap tube	
Angle rotor 10 x 50 ml (angle 30°) (with bucket MSE3327)	MSE1795C	10 x 50 ml	4 500	2 830	30	MSE4075	Round Adaptor for 15 ml Falcon tube	1 x 16.9 mm
						MSE4240C	Round Adaptor for 50 ml Falcon tube or Nalgene tube with rubber pad MSE4239	1 x 30 mm
Angle rotor 4 x 100 ml (angle 30°) (with bucket MSE3770)	MSE1769C	4 x 100 ml	6 300	5 014	45,2	MSE4241C	Round Adaptor for conical-bottom 30/25 ml tube with rubber pad MSE4239	1 x 25.5 mm
						MSE4243C	Round Adaptor for round-bottom or conical-bottom 50 ml tube with rubber pad MSE4239	1 x 35.5 mm
						MSE4275	Round Adaptor for round-bottom or skirted, conical-bottom 30 ml Sterilin tube	1 x 25.8 mm
						MSE4277	Round Adaptor for skirted, conical-bottom 50 ml Greiner tube	1 x 30 mm

Cat. No.	Adaptor	Rotor Capacity	Max. RPM	Max. RCF	Max. Φ mm
MSE2234	Swing-out rotor	4 x 100 ml	4 000	2 469	45,2
MSE4075	Round Adaptor for 15 ml Falcon tube				1 x 16.9 mm
MSE4232	Round Adaptor for round-bottom 5 x 7/5 ml tubes				5 x 12.5 mm
MSE4237	Round Adaptor for blood collection 4 x 1,6÷7 ml tubes				4 x 13.1 mm
MSE4238	Round Adaptor for blood collection 4 x 7÷11 ml tubes				4 x 16.5 mm
MSE4240C	Round Adaptor for 50 ml Falcon tube or Nalgene tube with rubber pad MSE4239				1 x 30 mm
MSE4241C	Round Adaptor for conical-bottom 30/25 ml tube with rubber pad MSE4239				1 x 25.5 mm
MSE4243C	Round Adaptor for round-bottom or conical-bottom 50 ml tube with rubber pad MSE4239				1 x 35.5 mm
MSE4245	Round Adaptor for round-bottom 5 x 1.5/2 ml Eppendorf tubes				5 x 11 mm
MSE4275	Round Adaptor for round-bottom or skirted, conical-bottom 30 ml Sterilin tube				1 x 25.8 mm
MSE4277	Round Adaptor for skirted, conical-bottom 50 ml Greiner tube				1 x 30 mm
MSE4133	Round Adaptor without bottom				1 x 13.3 mm
MSE4094	Round Adaptor for round-bottom 5 ml tube				1 x 13 mm
MSE4122	Round Adaptor for round-bottom 28/30 ml Nalgene tube				1 x 25.8 mm
MSE4140	Round Adaptor for 15 ml Falcon tube				1 x 16.9 mm
MSE4299	Round Adaptor without bottom for 28 ml Nalgene tube				1 x 25.6 mm
MSE4919C/A	Round Adaptor used with MSE4140 Adaptor for 5 ml Eppendorf snap cap or screw cap tube				

## Microtiter swing-out rotor (max 2 MTP) (with 2 hangers MSE3270)

Cat. No.	Adaptor	Rotor Capacity	Max. RPM	Max. RCF	Max. Φ mm
MSE2269C	Microtiter swing-out rotor		3 000	916	N/A

- WARRANTY : 24 months of warranty + extended warranty
- CUSTOMER ORIENTED : Immediate assistance to any inquires and claims
- QUALITY : Our ISO 9001 certification is testament to the quality of our products and our commitment to continually improve them
- CE marked and EMC tested



## Technical Data

Height (mm)	320 mm
Width (mm)	365 mm
Depth (mm)	660 mm
Weight (kg) 230V/120V	52 kg
Maximum capacity	500 ml
Maximum speed	18 000 rpm
Maximum RCF	24 270 xg
Timer	1 second to 99 hours 99 minutes 59 seconds, 1s step, or continuous
Noise output	≤60 dB
Number of acceleration rates	10
Number of brake rates	10
Number of programs	100
Display	Digital Led
Motor	Brushless induction drive
Safety features	Automatic lid lock, motor over-heat and over speed protection, rotor recognition, imbalance cut out, keypad lock, etc.
Temperature control range	-20°C to + 55°C
Power supply	230V, 10A, single phase, 50/60Hz 110V, 10A, single phase, 60Hz
Catalogue number	230V, 50/60Hz MSB050.CR3.5 110V, 60Hz MSB050.CR3.1

All MSE centrifuges comply with the latest European safety and environmental standards. Our ISO 9001 quality approach is testament to the quality of our products and our commitment to continually improve them. Our centrifuges are also fully RoHS compliant and our service engineers are SAFE Contractor approved.

