Lab Equipment

Do More With OHAUS

Ingeniously Practical

Contents

Frontier™ 5000 Series Micro

Smooth and Dependable High-Speed Microliter Centrifuge for Life Science Separation Applications

- The intuitive control panel with rotary knob puts the ability to quickly set and recall speed and g-force, as well as control the temperature (R model only) at your fingertips.

- A powerful brushless induction motor, 10 acceleration and deceleration ratings, and memory for up to 99 commonly-used parameters are a few of Frontier 5515(R)'s features that propel high-performance.

- Frontier 5515(R) has a lid locking system and sensor that stops the centrifuge if the rotors become imbalanced, protecting the operator from being injured by the spinning rotors.

Model	Speed Range	Temp Range	Max g-force	Capacity	Dimensions (L x W x H)	Item No.
FC5515	200 rpm-15,200 rpm	Air Cooled	21,953 g	12 x 5 ml; 4 × 8 place PCR Strips	15.43 x 11.3 x 11.5" (392 x 287 x 292 mm)	30130867
FC5515R		-20° to 40°C			21.85 x 11.3 x 11.5" (555 x 287 x 292 mm)	30130869

Accessories	Item No.
Rotor, Angle, 24 × 1.5/2.0 ml	30130870
Rotor, Angle, 24 × 1.5/2.0 ml, Sealable	30130871
Rotor, Angle, 30 × 1.5/2.0 ml, Sealable	30130872
Rotor, Angle, 12 × 5 ml, Sealable	30130873
Rotor, Angle, 4 × 8-Place PCR Stripes	30130874
Rotor, Angle, 44 × 1.5/2.0 ml	30130879
Rotor, Hematocrit, 24× Capillaries	30130881

Centrifuge
Frontier™ 5000 Series Multi Pro
Powerful and Versatile Universal Centrifuges for Virtually Every Lab Application

- Our multi-purpose centrifuges offer a high-speed centrifugation platform which can be customized to fit workflow needs using a wide variety of rotors and accessories.

- The intuitive design of the centrifuges & accessories enable easy access to parameter settings, and quick rotation between applications.

- The performance of these centrifuges is propelled by German engineering, and high-quality components for reliable use.

Model	Speed Range	Temp Range	Max g-force	Capacity	Dimensions (L x W x H)	Item No.
FC5714	200 rpm–14,000 rpm	Air Cooled	18,624 g	4 × 100 ml	19.4 x 14.25 x 14.25" (14.25 x 362 x 362 mm)	30314811
FC5718	200 rpm–18,000 rpm	Air Cooled	23,542 g		19.65 x 16.06 x 13.82" (499 x 408 x 351 mm)	30314813
FC5718R		-20° to 40°C			28.78 x 16.02 x 14.13" (731 x 407 x 359 mm)	30314815
FC5816	200 rpm–15,000 rpm	Air Cooled	21,379 g	6 × 250 ml	21.18 x 21.18 x 13.94" (538 x 446 x 354 mm)	30314817
FC5816R	200 rpm–16,000 rpm	-20° to 40°C	24,325 g		21.18 x 28.46 x 28.46" (28.46 x 723 x 354 mm)	30314819

Frontier™ 5000 Series Multi Pro

Powerful and Versatile Universal Centrifuges for Virtually Every Lab Application

Accessories	Item No.
Rotor, Angle, 24 × 1.5/2.0 ml, ID, Sealable	30304361
Rotor, Swing out, 4 × 250 ml, ID	30314820
Rotor, Angle, 6 × 250 ml FB, ID	30314821
Rotor, Swing out, 4 × 100 ml, ID	30314822
Rotor, Swing out, 4 × 100 ml, ID, Sealable	30314823
Rotor, Swing out, 2 × 3MTP, ID	30314824
Rotor, Angle, 6 × 85 ml RB, ID, Hi	30314825
Rotor, Angle, 6 × 85 ml RB, ID	30314826
Rotor, Angle, 4 × 85 ml RB, ID, Hi	30314827
Rotor, Swing out, 16 × 50 ml, ID	30314828
Rotor, Angle, 10 × 50 ml FA, ID	30314829
Rotor, Angle, 6 × 50 ml RB/FA, ID	30314830
Rotor, Angle, 6 × 50 ml RB, ID, Hi	30314831
Rotor, Angle, 30 × 15 ml RB/FA, ID	30314832
Rotor, Angle, 20 × 10 ml RB, ID, Hi	30314833
Rotor, Angle, 12 × 15 ml RB/FA, ID	30314834
Rotor, Angle, 44 × 1.5/2.0 ml, ID	30314835
Rotor, Angle, 30 × 1.5/2.0 ml, ID, Sealable	30314836
Rotor, Angle, 24 × 1.5/2.0 ml, ID	30314838
Rotor, Angle, 12 × 1.5/2.0 ml, ID	30314839
Rotor, Angle, 64 × 0.5 ml, ID	30314840
Rotor, Angle, 4 × 8-w PCR Strip, ID	30314841

Centrifuge
Frontier™ 5000 Series Multi

Reliable and Compact Multi-Function Centrifuge For Standard Life Science Separation Applications

- With an easy-to-turn control knob, a large LCD display and capabilities to set and view speed in both rpm and g-force, enjoy precise results and enhanced functionality with extremely simple operation.

- Frontier 5706 can accommodate standard tube sizes from 1.5 mL to 50 mL and can hold six 50 mL tubes and twelve 15 mL tubes during one process, providing centrifugation for a wide variety of applications.

- Frontier 5706 has a lid locking system and sensor that stops the centrifuge if the rotors become imbalanced, protecting the operator from being injured by the spinning rotors.

Model	Maximum Speed	Max g-force	Capacity	Dimensions (L x W x H)	Item No.
FC5706 120V	200 rpm–6,000 rpm	4,427 g	6 × 50 ml	15.4 x 11.5 x 10.5" (392 x 291 x 266 mm)	30130876

Accessories	Item No.
Rotor, Angle, 12 x 15mL, round/conical bottom	30130877
Rotor, Angle, 6 x 50mL, round/conical bottom	30130878
Rotor, Swing Out, 6 × 5 ml RB	30130880

Frontier™ 5000 Series Mini

Powerful and Convenient Mini Centrifuge for Simple and Quick Life Science Separation Applications

- With a low voltage power input, quiet brushless motor and a rubber base that absorbs vibrations, Frontier 5306 minimizes operational noise and reduces disruptions in the laboratory.

- Frontier 5306 is designed with operator safety in mind, and includes a rotor imbalance sensor and two safety switches which immediately stop the rotors should the lid open during use.

- Frontier 5306 takes simple one-step operation to a new level. Simply place your sample in the centrifuge, close the lid, and it will begin to rotate without the press of a button.

Two rotors and adapters are included

Model	Maximum Speed	Max g-force	Capacity	Item No.
FC5306	6,000 rpm	2,000 g	8 x 1.5 ml / 2.0 ml; 4 x 8 place PCR Strips	30134157

Accessories	Item No.
Rotor, 1.5/2ml x8, FC5306	30129559
Rotor, 0.2ml PCR8 x4, FC5306	30129560
Adapter for 0.2 ml Tube (8PCS/Package)	30129561
Adapter for 0.5 ml Tube (8PCS/Package)	30129562

Centrifuge
Frontier™ 5000 Rotors
Offering Flexibility to Maximize Sample Preparation

- Choose from a range of rotors to be used with Frontier centrifuges to match capacities and flexibility required for your basic to high-performance sample preparation needs.

- Designed with usability in mind, the Frontier rotors can be effortlessly installed or removed in a few quick and simple steps, and users have easy access to the samples.

- The sturdy rotors are constructed of high-quality materials, built to last through demanding workflows from autoclave sterilization to sub-zero temperature.

Model	Rotor Style	Capacity	Max g-force	Maximum Speed	Item No.
R-A8 × 2/6M	Angle	8 × 1.5 / 2.0 ml	2,560 g	6,000 rpm	30129559
R-A4 × PCR/6		4 × 0.2 ml PCR8	2,260 g		30129560
R-A24 × 2/15M		24 × 1.5 / 2.0 ml	21,953 g	15,200 rpm	30130870
R-A24 × 2/15MS					30130871
R-A30 × 2/13MS		30 × 1.5 / 2.0 ml	19,150 g	13,500 rpm	30130872
R-A12 × 5/14MS		12 × 5 ml	19,978 g	14,500 rpm	30130873
R-A4 × PCR/15		4 × 0.2 ml PCR8	15,342 g	15,000 rpm	30130874
R-A12 × 15/6M		12 × 15 ml	4,427 g	6,000 rpm	30130877
R-A6 × 50/6M		6 × 50 ml			30130878
R-A44 × 2/13M		44 × 1.5 / 2.0 ml	17,317 g	13,500 rpm	30130879
R-S6 × 5/4	Swing out	6 × 5 ml	1,817 g	4,000 rpm	30130880
R-A24 × CAP/12	Angle	24 × Capillaries	14,970 g	12,000 rpm	30130881
R-A24 × 2/16MIS		24 × 1.5 / 2.0 ml	24,325 g	16,000 rpm	30304361
R-S4 × 250/4MI	Swing out	4 × 250 ml	3,780 g	4,500 rpm	30314820
R-A6 × 250/8MI	Angle	6 × 250 ml	10,016 g	8,000 rpm	30314821
R-S4 × 100/4MI	Swing out	4 × 100 ml	3,350 g	4,500 rpm	30314822
R-S4 × 100/5MIS			3,885 g	5,000 rpm	30314823
R-S6 × MTP/4MI		2 × 3 MTP	2,716 g	4,500 rpm	30314824
R-A6 × 85/14MI	Angle	6 × 85 ml	20,984 g	13,500 rpm	30314825
R-A6 × 85/13MI			21,726 g	13,000 rpm	30314826
R-A4 × 85/12MI		4 × 85 ml	14,809 g	12,000 rpm	30314827
R-S16 × 50/4MI	Swing out	16 × 50 ml	3,735 g	4,500 rpm	30314828

Frontier™ 5000 Rotors
Offering Flexibility to Maximize Sample Preparation

Model	Rotor Style	Capacity	Max g-force	Maximum Speed	Item No.
R-A10 × 50/10MI	Angle	10 × 50 ml	16,022 g	10,500 rpm	30314829
R-A6 × 50/6MI		6 × 50 ml	4,427 g	6,000 rpm	30314830
R-A6 × 50/13MI			15,869 g	13,000 rpm	30314831
R-A30 × 15/4MI		30 × 15 ml	2,830 g	4,500 rpm	30314832
R-A20 × 10/12MI		20 × 10 ml	15,775 g	12,000 rpm	30314833
R-A12 × 15/6MI		12 × 15 ml	4,427 g	6,000 rpm	30314834
R-A44 × 2/16MI		44 × 1.5 / 2.0 ml	24,039 g	16,000 rpm	30314835
R-A30 × 2/14MIS		30 × 1.5 / 2.0 ml	20,595 g	14,000 rpm	30314836
R-A24 × 2/16MI		24 × 1.5 / 2.0 ml	24,325 g	16,000 rpm	30314838
R-A12 × 2/18MI		12 × 1.5 / 2.0 ml	23,542 g	18,000 rpm	30314839
R-A64 × 0.5/13I		64 × 0.5 ml	16,298 g	13,500 rpm	30314840
R-A4 × PCR/15I		4 × 8-w PCR Strip	15,343 g	15,000 rpm	30314841

Accessories
Multi Pro Centrifuge Rotors & Accessories

Frontier rotors extend the functionality of Frontier centrifuges by increasing the number of tubes of varied types and sizes that can be used in conjunction with each of the centrifuge models. Easy to clean and operate, the rotors are durably constructed to withstand demanding centrifugation.

Fixed Angle Rotor 24x1.5/2.0ml

Description	Item No.
Rotor, Angle, 24x1.5/2.0ml, ID, Sealable	30304361

Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
Max. Speed	14000 rpm	14000 rpm	15000 rpm	15000 rpm	16000 rpm
Max. RCF	18624 xg	18624 xg	21379 xg	21379 xg	24325 xg

Accessories	Vol./Tube	Diameter	Tube type	No.of tubes/ rotor	Item No.
Adapter, 1x0.5ml D8mm, 6/pk	0.5ml	8mm	Eppendorf tube	24	30130885
Adapter, 1x0.2/0.4ml D6mm, 6/pk	0.2/0.4ml	6mm	Eppendorf tube	24	30130884

Fixed Angle Rotor 6x250ml FB

Description	Item No.
Rotor, Angle, 6x250ml FB, ID	30314821

Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
Max. Speed	–	–	–	8000 rpm	8000 rpm
Max. RCF	–	–	–	10016 xg	10016 xg

Accessories	Vol./Tube	Diameter	Tube type	No.of tubes/ rotor	Item No.
Adapter, 1x50ml D30mm FA, 2/pk	50ml	30mm	Conical bottom	6	30304374
Adapter, 1x50ml D29mm RB, 2/pk	50ml	29mm	Round bottom	6	30304373
Adapter, 2x30ml D26mm RB, 2/pk	30ml	26mm	Round bottom	12	30304372
Adapter, 4x15ml D17mm FA, 2/pk	15ml	17mm	Conical bottom	24	30304371
Adapter, 5x10ml D16mm RB, 2/pk	10ml	16mm	Round bottom	30	30304370
Adapter, 8x1.5ml D11mm, 2/pk	1.5ml	11mm	Eppendorf tube	48	30304369

Multi Pro Centrifuge Rotors & Accessories

Fixed Angle Rotor 6x85ml RB

Description	Item No.
Rotor, Angle, 6x85ml RB, ID, Hi	30314825

Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
Max. Speed	–	11000 rpm	13500 rpm	–	–
Max. RCF	–	13932 xg	20984 xg	–	–

Accessories	Vol./Tube	Diameter	Tube type	No.of tubes/ rotor	Item No.
Adapter, 1x50ml D29mm RB, 2/pk, v2	50ml	29mm	Round bottom	6	30314895
Adapter, 1x50ml D29mm FA, 2/pk	50ml	29mm	Conical bottom	6	30314896
Adapter, 1x30ml D25mm RB, 2/pk	30ml	25mm	Round bottom	6	30314894
Adapter, 1x16ml D18mm RB, 2/pk	16ml	18mm	Round bottom	6	30314899
Adapter, 1x15ml D17mm FA, 2/pk	15ml	17mm	Conical bottom	6	30314897
Adapter, 2x15ml D17mm RB, 2/pk	15ml	17mm	Round bottom	12	30314898
Adapter, 1x15ml D17mm RB, 2/pk	15ml	17mm	Round bottom	6	30314893

Accessories
Multi Pro Centrifuge Rotors & Accessories

Fixed Angle Rotor 6x85ml RB

Description	Item No.
Rotor, Angle, 6x85ml RB, ID	30314826

Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
Max. Speed	–	9000 rpm	9000 rpm	11000 rpm	13000 rpm
Max. RCF	–	10413 xg	10413 xg	15555 xg	21726 xg

Accessories	Vol./Tube	Diameter	Tube type	No.of tubes/ rotor	Item No.
Adapter, 1x50ml D29mm RB, 2/pk, v2	50ml	29mm	Round bottom	6	30314895
Adapter, 1x50ml D29mm FA, 2/pk	50ml	29mm	Conical bottom	6	30314896
Adapter, 1x30ml D25mm RB, 2/pk	30ml	25mm	Round bottom	6	30314894
Adapter, 1x16ml D18mm RB, 2/pk	16ml	18mm	Round bottom	6	30314899
Adapter, 1x15ml D17mm FA, 2/pk	15ml	17mm	Conical bottom	6	30314897
Adapter, 2x15ml D17mm RB, 2/pk	15ml	17mm	Round bottom	12	30314898
Adapter, 1x15ml D17mm RB, 2/pk	15ml	17mm	Round bottom	6	30314893

Multi Pro Centrifuge Rotors & Accessories

Fixed Angle Rotor 4x85ml RB

Description	Item No.
Rotor, Angle, 4x85ml RB, ID, Hi	30314827

Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
Max. Speed	–	12000 rpm	12000 rpm	12000 rpm	12000 rpm
Max. RCF	–	14809 xg	14809 xg	14809 xg	14809 xg

Accessories	Vol./Tube	Diameter	Tube type	No.of tubes/ rotor	Item No.
Adapter, 1x50ml D29mm RB, 2/pk, v2	50ml	29mm	Round bottom	4	30314895
Adapter, 1x50ml D29mm FA, 2/pk	50ml	29mm	Conical bottom	4	30314896
Adapter, 1x30ml D25mm RB, 2/pk	30ml	25mm	Round bottom	4	30314894
Adapter, 1x16ml D18mm RB, 2/pk	16ml	18mm	Round bottom	4	30314899
Adapter, 1x15ml D17mm FA, 2/pk	15ml	17mm	Conical bottom	4	30314897
Adapter, 2x15ml D17mm RB, 2/pk	15ml	17mm	Round bottom	8	30314898
Adapter, 1x15ml D17mm RB, 2/pk	15ml	17mm	Round bottom	4	30314893

Accessories
Multi Pro Centrifuge Rotors & Accessories

Fixed Angle Rotor 10x50ml FA

Description	Item No.
Rotor, Angle, 10x50ml FA, ID	30314829

Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
Max. Speed	–	7500 rpm	7500 rpm	9000 rpm	10500 rpm
Max. RCF	–	8174 xg	8174 xg	11771 xg	16022 xg

Accessories	Vol./Tube	Diameter	Tube type	No.of tubes/ rotor	Item No.
Adapter, 1x15ml D17mm RB, 2/pk, v2	15ml	17mm	Round bottom	10	30130894
Adapter, 1x7ml D13.5mm RB, 2/pk	7ml	13.5mm	Round bottom	10	30130889
Adapter, 1x5ml D13.5mm, 2/pk	5ml	13.5mm	Round bottom	10	30130890
Adapter, 1x1.5/2.0ml D11mm, 6/pk	1.5/ 2.0ml	11mm	Eppendorf tube	10	30130886

Multi Pro Centrifuge Rotors & Accessories

Fixed Angle Rotor 6x50ml RB/FA

Description	Item No.
Rotor, Angle, 6x50ml RB/FA, ID	30314830

Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
Max. Speed	6000 rpm	6000 rpm	6000 rpm	–	–
Max. RCF	4427 xg	4427 xg	4427 xg	–	–

Accessories	Vol./Tube	Diameter	Tube type	No.of tubes/ rotor	Item No.
Adapter, 1x30ml D26mm, 2/pk	30ml	26mm	Round bottom	6	30130891
Adapter, 1x16ml D18mm, 2/pk	16ml	18mm	Round bottom	6	30130892
Adapter, 1x15ml D17mm, 2/pk	15ml	17mm	Round bottom	6	30130893
Adapter, 1x15ml D17mm RB, 2/pk, v2	15ml	17mm	Round/Conical bottom	6	30130894
Adapter, 1x7ml D13.5mm RB, 2/pk	7ml	13.5mm	Round bottom	6	30130889
Adapter, 1x5ml D13.5mm, 2/pk	5ml	13.5mm	Round bottom	6	30130890
Adapter, 1x1.5/2.0ml D11mm, 6/pk	1.5/ 2.0ml	11mm	Eppendorf tube	6	30130886

Accessories
Multi Pro Centrifuge Rotors & Accessories

Fixed Angle Rotor 6x50ml RB

Description	Item No.
Rotor, Angle, 6x50ml RB, ID, Hi	30314831

Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
Max. Speed	–	12000 rpm	12000 rpm	13000 rpm	13000 rpm
Max. RCF	–	13522 xg	13522 xg	15869 xg	15869 xg

Accessories	Vol./Tube	Diameter	Tube type	No.of tubes/ rotor	Item No.
Adapter, 1x30ml D26mm, 2/pk	30ml	26mm	Round bottom	6	30130891
Adapter, 1x16ml D18mm, 2/pk	16ml	18mm	Round bottom	6	30130892
Adapter, 1x15ml D17.5mm FA, 2/pk	15ml	17.5mm	Conical bottom	6	30314892
Adapter, 1x15ml D17mm, 2/pk	15ml	17mm	Round bottom	6	30130893

Fixed Angle Rotor 30x15ml RB/FA

Description	Item No.
Rotor, Angle, 30x15ml RB/FA, ID	30314832

Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
Max. Speed	4500 rpm	4500 rpm	4500 rpm	4500 rpm	4500 rpm
Max. RCF	2830 xg	2830 xg	2830 xg	2830 xg	2830 xg

Accessories	Vol./Tube	Diameter	Tube type	No.of tubes/ rotor	Item No.
Adapter, 1x7ml D13.5mm RB, 2/pk	7ml	13.5mm	Round bottom	30	30130889
Adapter, 1x5ml D13.5mm, 2/pk	5ml	13.5mm	Round bottom	30	30130890
Adapter, 1x1.5/2.0ml D11mm, 6/pk	1.5/2.0ml	11mm	Eppendorf tube	30	30130886

Accessories

Multi Pro Centrifuge Rotors & Accessories

Fixed Angle Rotor 20x10ml RB

Description	Item No.
Rotor, Angle, 20x10ml RB, ID, Hi	30314833

Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
Max. Speed	–	12000 rpm	12000 rpm	12000 rpm	12000 rpm
Max. RCF	–	15775 xg	15775 xg	15775 xg	15775 xg

Fixed Angle Rotor 12x15ml RB/FA

Description	Item No.
Rotor, Angle, 12x15ml RB/FA, ID	30314834

Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
Max. Speed	6000 rpm	6000 rpm	6000 rpm	–	–
Max. RCF	4427 xg	4427 xg	4427 xg	–	–

Accessories	Vol./Tube	Diameter	Tube type	No.of tubes/ rotor	Item No.
Adapter, 1x7ml D13.5mm RB, 2/pk	7ml	13.5mm	Round bottom	12	30130889
Adapter, 1x5ml D13.5mm, 2/pk	5ml	13.5mm	Round bottom	12	30130890
Adapter, 1x1.5/2.0ml D11mm, 6/pk	1.5/ 2.0ml	11mm	Eppendorf tube	12	30130886

Accessories
Multi Pro Centrifuge Rotors & Accessories

Fixed Angle Rotor 44x1.5/2.0ml

Description	Item No.
Rotor, Angle, 44x1.5/2.0ml, ID	30314835

Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
Max. Speed	–	13500 rpm	13500 rpm	15000 rpm	16000 rpm
Max. RCF	–	17113 xg	17113 xg	21128 xg	24039 xg

Accessories	Vol./Tube	Diameter	Tube type	No.of tubes/ rotor	Item No.
Adapter, 1x0.5ml D8mm, 6/pk	0.5ml	8mm	Eppendorf tube	44	30130885
Adapter, 1x0.2/0.4ml D6mm, 6/pk	0.2/ 0.4ml	6mm	Eppendorf tube	44	30130884

Fixed Angle Rotor 30x1.5/2.0ml

Description	Item No.
Rotor, Angle, 30x1.5/2.0ml, ID, Sealable	30314836

Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
Max. Speed	12000 rpm	13000 rpm	14000 rpm	–	–
Max. RCF	15131 xg	17758 xg	20595 xg	–	–

Accessories	Vol./Tube	Diameter	Tube type	No.of tubes/ rotor	Item No.
Adapter, 1x0.5ml D8mm, 6/pk	0.5ml	8mm	Eppendorf tube	30	30130885
Adapter, 1x0.2/0.4ml D6mm, 6/pk	0.2/ 0.4ml	6mm	Eppendorf tube	30	30130884

Multi Pro Centrifuge Rotors & Accessories

Fixed Angle Rotor 24x1.5/2.0ml

Description	Item No.
Rotor, Angle, 24x1.5/2.0ml, ID	30314838

Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
Max. Speed	14000 rpm	14000 rpm	15000 rpm	15000 rpm	16000 rpm
Max. RCF	18624 xg	18624 xg	21379 xg	21379 xg	24325 xg

Accessories	Vol./Tube	Diameter	Tube type	No.of tubes/ rotor	Item No.
Adapter, 1x0.5ml D8mm, 6/pk	0.5ml	8mm	Eppendorf tube	24	30130885
Adapter, 1x0.2/0.4ml D6mm, 6/pk	0.2/ 0.4ml	6mm	Eppendorf tube	24	30130884

Fixed Angle Rotor 12x1.5/2.0ml

Description	Item No.
Rotor, Angle, 12x1.5/2.0ml, ID	30314839

Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
Max. Speed	–	18000 rpm	18000 rpm	–	–
Max. RCF	–	23542 xg	23542 xg	–	–

Accessories	Vol./Tube	Diameter	Tube type	No.of tubes/rotor	Item No.
Adapter, 1x1.5ml for over16000xg, 6/pk	1.5ml	11mm	Eppendorf tube	12	30314900
Adapter, 1x0.5ml D8mm, 6/pk	0.5ml	8mm	Eppendorf tube	12	30130885
Adapter, 1x0.2/0.4ml D6mm, 6/pk	0.2/ 0.4ml	6mm	Eppendorf tube	12	30130884

Accessories
Multi Pro Centrifuge Rotors & Accessories

Fixed Angle Rotor 64x0.5ml

Description	Item No.
Rotor, Angle, 64x0.5ml, ID	30314840

Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
Max. Speed	–	13500 rpm	13500 rpm	–	–
Max. RCF	–	16298 xg	16298 xg	–	–

Fixed Angle Rotor 4x8-w PCR Strip

Description	Item No.
Rotor, Angle, 4x8-w PCR Strip, ID	30314841

Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
Max. Speed	–	15000 rpm	15000 rpm	–	–
Max. RCF	–	15343 xg	15343 xg	–	–

Multi Pro Centrifuge Rotors & Accessories

Swing Out Rotors 4x250ml

Description	Item No.
Rotor, Swing out, 4x250ml, ID	30314820

Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
Max. Speed	–	–	–	4500 rpm	4500 rpm
Max. RCF	–	–	–	3780 xg	3780 xg

Accessories	Vol./Tube	Diameter	Tube type	No.of tubes/rotor	Item No.
Screw Cap, Rack of 250ml Rotor, 2/pk	–	–	–	-	30314901
O-ring, Rack of 250ml Rotor, 10/pk	–	–	–	-	30314902
Rack, 1x250ml D62mm FB, 2/pk	250ml	62mm	Flat bottom	4	30314903
Rack, 1x100ml D41mm RB, 2/pk	100ml	41mm	Round bottom	4	30314904
Rack, 1x50ml D34mm RB, 2/pk, v3	50ml	34mm	Round bottom	4	30314907
Rack, 3x50ml D29mm RB, 2/pk	50ml	29mm	Round bottom	12	30314905
Rack, 3x50ml D29mm FA, 2/pk	50ml	29mm	Conical bottom	12	30314906
Rack, 2x50ml D29mm Rim, 2/pk	50ml	29mm	Skirted conical bottom	8	30314908
Rack, 1x50ml D29mm Rim, 2/pk, v3	50ml	29mm	Skirted conical bottom	4	30314909
Rack, 5x25ml D24.5mm RB, 2/pk	25ml	24.5mm	Round bottom	20	30314910
Rack, 3x25ml D24.5mm Rim, 2/pk	25ml	24.5mm	Skirted conical bottom	12	30314911
Rack, 9x15ml D17mm RB, 2/pk	15ml	17mm	Round bottom	36	30314912
Rack, 7x15ml D17mm FA, 2/pk	15ml	17mm	Conical bottom	28	30314913

Accessories
Multi Pro Centrifuge Rotors & Accessories

Swing Out Rotors 4x250ml

Accessories	Vol./ Tube	Diameter	Tube type	No.of tubes/rotor	Item No.
Rack, 7x15ml D17mm Rim, 2/pk	15ml	17mm	Skirted conical bottom	28	30314914
Rack, 8x10ml D16mm RB, 2/pk	10ml	16mm	Round bottom	32	30314915
Rack, 8x4-10ml D16mm Vac, 2/pk	4-10ml	16mm	Vacutainer	32	30304367
Rack, 14x5-7ml D13mm RB, 2/pk	5-7ml	13mm	Round bottom	56	30314916
Rack, 10x1.6-7ml D13mm Vac, 2/pk	1.6-7ml	13mm	Vacutainer	40	30314917
Adapter, 9x1.5/2.0ml D11mm, 2/pk	1.5/ 2.0ml	11mm	Eppendorf tube	36	30304368

Multi Pro Centrifuge Rotors & Accessories

Swing Out Rotor 4x100ml

Description	Item No.
Rotor, Swing out, 4x100ml, ID	30314822

Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
Max. Speed	4500 rpm	4500 rpm	4500 rpm	–	–
Max. RCF	3350 xg	3350 xg	3350 xg	–	–

Accessories	Vol./Tube	Diameter	Tube type	No.of tubes/rotor	Item No.
Rack, 1x100ml D46mm RB, 2/pk	100ml	46mm	Round bottom	4	30314842
Rack, 1x85ml D38mm RB, 2/pk	85ml	38mm	Round bottom	4	30314843
Rack, 1x50ml D34mm RB, 2/pk	50ml	34mm	Round bottom	4	30314844
Rack, 1x50ml D29mm RB, 2/pk	50ml	29mm	Round bottom	4	30314845
Rack, 1x50ml D29mm FA, 2/pk	50ml	29mm	Conical bottom	4	30314846
Rack, 1x50ml D29mm Rim, 2/pk	50ml	29mm	Skirted conical bottom	4	30314847
Rack, 1x30ml D25mm Rim, 2/pk	30ml	25mm	Skirted conical bottom	4	30314848
Rack, 1x25ml D25mm RB, 2/pk	25ml	25mm	Round bottom	4	30314849
Rack, 7x15ml D17mm RB, 2/pk	15ml	17mm	Round bottom	28	30314852
Rack, 2x15ml D17mm FA, 2/pk	15ml	17mm	Conical bottom	8	30314850
Rack, 1x15ml D17mm Rim, 2/pk	15ml	17mm	Skirted conical bottom	4	30314851
Rack, 5x4-10ml D16mm Sar, 2/pk	4-10ml	16mm	Sarstedt	20	30314858
Rack, 9x5-7ml D13mm RB, 2/pk	5-7ml	13mm	Round bottom	36	30314853
Rack, 7x5-7ml D13mm RB, 2/pk	5-7ml	13mm	Round bottom	28	30314856
Rack, 7x5-7ml D13mm Vac, 2/pk	5-7ml	13mm	Vacutainer	28	30314857
Rack, 10x1.5ml D11mm, 2/pk	1.5ml	11mm	Eppendorf tube	40	30314854
Rack, 9x4.5ml D12mm FB, 2/pk	4.5ml	12mm	Flat bottom	36	30314855

Accessories
Multi Pro Centrifuge Rotors & Accessories

Swing Out Rotors 4x100ml

Description	Item No.
Rotor, Swing out, 4x100ml, ID, Sealable	30314823

Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
Max. Speed	4000 rpm	5000 rpm	5000 rpm	–	–
Max. RCF	2486 xg	3885 xg	3885 xg	–	–

Accessories	Vol./ Tube	Diameter	Tube type	No.of tubes/rotor	Item No.
Bucket, 100ml w/o Cap, 2/pk	–	–	–	–	30314860
Bucket, 100ml w/ Cap, Sealable, 2/pk	–	–	–	–	30314861
Screw Cap, 100ml Bucket, Sealable, 2/pk	–	–	–	–	30314862
O-ring, 100ml Bucket, Sealable, 10/pk	–	–	–	–	30314863
Rack, 1x100ml D40mm RB, 2/pk	100ml	40mm	Round bottom	4	30314864
Rack, 1x85ml D38mm RB, 2/pk, v2	85ml	38mm	Round bottom	4	30314865
Rack, 1x50ml D34mm RB, 2/pk, v2	50ml	34mm	Round bottom	4	30314866
Rack, 1x50ml D29mm RB, 2/pk, v2	50ml	29mm	Round bottom	4	30314867
Rack, 1x50ml D29mm FA, 2/pk, v2	50ml	29mm	Conical bottom	4	30314868
Bucket, 2x50ml D29mm FA, w/ Rack, 2/pk	50ml	29mm	Conical bottom	8	30314881
Rack, 1x50ml D29mm Rim, 2/pk, v2	50ml	29mm	Skirted conical bottom	4	30314869
Rack, 1x30ml D25mm Rim, 2/pk, v2	30ml	25mm	Skirted conical bottom	4	30314870
Rack, 1x25ml D25mm RB, 2/pk, v2	25ml	25mm	Round bottom	4	30314871
Rack, 1x15ml D17mm FA, 2/pk	15ml	17mm	Conical bottom	4	30314872
Rack, 2x15ml D17mm FA, 2/pk, v2	15ml	17mm	Conical bottom	8	30314873

Multi Pro Centrifuge Rotors & Accessories

Swing Out Rotors 4x100ml

Accessories	Vol./ Tube	Diameter	Tube type	No.of tubes/rotor	Item No.
Rack, 2x15ml D17mm Rim, 2/pk	15ml	17mm	Skirted conical bottom	8	30314874
Rack, 4x15ml D17mm RB, 2/pk	15ml	17mm	Round bottom	16	30314875
Bucket, 3x15ml D17mm FA, w/ Rack, 2/pk	15ml	17mm	Conical bottom	12	30314882
Rack, 3x10ml D17mm Sar, 2/pk	10ml	17mm	Sarstedt	12	30314878
Rack, 4x10ml D17mm Vac, 2/pk	10ml	17mm	Vacutainer	16	30314880
Rack, 7x5-7ml D13mm RB, 2/pk, v2	5-7ml	13mm	Round bottom	28	30314876
Rack, 4x5-7ml D13mm RB, 2/pk	5-7ml	13mm	Round bottom	16	30314879
Rack, 5x1.5ml D11mm, 2/pk	1.5ml	11mm	Eppendorf tube	20	30314877

Accessories
Multi Pro Centrifuge Rotors & Accessories

Swing Out Rotors 2x3MTP

Description	Item No.
Rotor, Swing out, 2x3MTP, ID	30314824

Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
Max. Speed	4500 rpm	4500 rpm	4500 rpm	4500 rpm	4500 rpm
Max. RCF	2716 xg	2716 xg	2716 xg	2716 xg	2716 xg

Accessories	Vol./Tube	Diameter	Tube type	No.of tubes/rotor	Item No.
Bucket, 3xMTP, 2/pk	MTP	–	–	6	30314890
Adapter, 48x1.5/2.0ml D11mm, 2/pk	1.5/2.0ml	11mm	Eppendorf tube	96	30314891

Swing Out Rotors 16x50ml

Description	Item No.
Rotor, Swing out, 16x50ml, ID	30314828

Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
Max. Speed	–	–	–	4500 rpm	4500 rpm
Max. RCF	–	–	–	3735 xg	3735 xg

Accessories	Vol./Tube	Diameter	Tube type	No.of tubes/rotor	Item No.
Rack, 4x50ml D29mm FA, 2/pk	50ml	29mm	Conical bottom	16	30304375
Rack, 10x15ml D17mm FA, 2/pk	15ml	17mm	Conical bottom	40	30314583
Rack, 12x4-10ml D16mm Vac/Sar, 2/pk	4-10ml	16mm	Vacutainer/ Sarstedt	48	30314585
Rack, 14x5-7ml D13mm Vac/Sar, 2/pk	5-7ml	13mm	Vacutainer/ Sarstedt	56	30314584

Light Duty Orbital Shakers

- Variable speed microprocessor control
- Low profile design
- 15 mm orbit

The OHAUS Light Duty Analog Shaker is an economical shaker designed for educational labs or basic shaking applications.

Model	Speed Range	Orbit	Max. Weight Cap.	Tray Dim. (L × W)	Item No.
SHLD0415AL	40 to 300 rpm	15 mm (0.6″)	8 lbs (3.6 kg)	11.75 × 8.75″ (29.9 × 22.2 cm)	30391891

Light Duty Orbital Shakers

- General purpose shaker
- LED displays for speed and time
- 3 mm or 15 mm orbit

The OHAUS Digital Light Duty Orbital Shaker is ideal for a wide variety of shaking applications. Tray includes a non-skid rubber mat. Remove the mat to mount a variety of optional flask clamps or test tube racks directly onto the tray.

Model	Speed Range	Speed Accuracy	Timer	Orbit	Max. Weight Cap.	Tray Dim. (L × W)	Item No.
SHLD0403DG	100 to 1200 rpm	+/-2% above 100 rpm	1 sec to 160 hours	3 mm (0.12″)	8 lbs (3.6 kg)	11.75 × 8.75″ (29.9 × 22.2 cm)	30391898
SHLD0415DG	40 to 300 rpm	+/-2 rpm below 100 rpm	1 sec to 160 hours	15 mm (0.6″)	8 lbs (3.6 kg)	11.75 × 8.75″ (29.9 × 22.2 cm)	30391912

Open Air Shakers
Light Duty Orbital Shakers

- Holds up to 4 microplates or 2 micro-tube racks
- Accepts deep well plates
- Timer with audible alarm

The OHAUS Microplate Shaker is ideal for immunoassays and general microplate shaking, and is designed to be used in a variety of environmental conditions.

Model	Speed Range	Speed Accuracy	Timer	Orbit	Max. Weight Cap.	Tray Dim. (L × W)	Item No.
SHLDMP03DG	100 to 1200 rpm	± 2%	1 sec to 160 hours	3 mm (0.12")	4 micro-plates or 2 micro-tube racks	11 × 7.75" (27.9 × 19.7 cm)	30391905

Extreme Environment Shakers

- Designed for use in CO_2 Incubators
- Can withstand extreme environments up to 100% humidity
- Remote controller magnetically attaches to most incubators
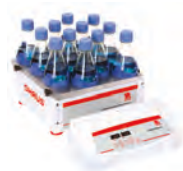
The OHAUS Extreme Environment Orbital Shaker is designed for a wide range of applications including cell cultures that require CO_2 and humidity for optimal cell growth. The microprocessor control provides consistent uniform shaking while safely ramping to the set speed.

Model	Speed Range	Speed Accuracy	Timer	Orbit	Max. Weight Cap.	Tray Dim. (L × W)	Item No.
SHEX1619DG	15 to 500 rpm	above 100 rpm ± 1% of set speed below 100 rpm ± 1 rpm	1 sec to 160 hours	0.75" (19 mm)	35 lbs (16 kg)	11 × 13" (27.9 × 33 cm)	30391809

Heavy Duty Orbital Shakers

- Microprocessor controls
- Continuous or timed operation
- 35 lb weight capacity

The OHAUS 16 kg Capacity Analog Heavy Duty Orbital Shaker is designed for a wide range of applications that require basic shaking control. Shaker provides reproducible motion that is evenly distributed throughout the entire surface of the tray.

Model	Speed Range	Timer	Orbit	Max. Weight Cap.	Tray Dim. (L × W)	Item No.
SHHD1619AL	25 to 500 rpm	1 minute to 120 minutes	19 mm (0.75")	35 lbs (16 kg)	11 × 13" (27.9 × 33 cm)	30391307

Heavy Duty Orbital Shakers

- Exceptional speed control, accuracy and durability
- LED displays for speed and time
- Calibration mode for speed

The OHAUS 16 kg Capacity Digital Heavy Duty Orbital Shaker is designed for a wide range of applications, including cell cultures, that require accurate and repeatable results. The microprocessor control provides consistent uniform shaking while safely ramping to the set speed.

Model	Speed Range	Speed Accuracy	Timer	Orbit	Max. Weight	Tray Dim. (L × W)	Item No.
SHHD1619DG	15 to 500 rpm	above 100 rpm ± 1% of set speed below 100 rpm ± 1 rpm	1 sec. to 160 hours	19 mm (0.75") orbit	35 lbs (16 kg)	11 × 13" (27.9 × 33 cm)	30391807

Open Air Shakers
Heavy Duty Orbital Shakers

- Microprocessor controls
- Continuous or timed operation
- 50 lb weight capacity
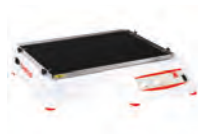
The OHAUS Analog 23 kg Capacity Heavy Duty Orbital Shaker is designed for applications with heavy duty loads. Shaker provides reproducible motion that is evenly distributed throughout the entire surface of the tray.

Model	Speed Range	Timer	Orbit	Max. Weight Cap.	Tray Dim. (L × W)	Item No.
SHHD2325AL	25 to 500 rpm	1 min to 120 min	25 mm (1″)	50 lbs (22.7 kg)	18 × 24″ (45.7 × 61 cm)	30391835

Heavy Duty Orbital Shakers

- Patented Accu-Drive Shaking System
- LED displays for speed and time
- 50 lb weight capacity

The OHAUS Digital 23 kg Capacity Heavy Duty Orbital Shaker is designed for a wide range of applications with larger or heavier loads that require accurate and repeatable results.

Model	Speed Range	Speed Accuracy	Timer	Orbit	Max. Weight Cap.	Tray Dim. (L × W)	Item No.
SHHD2325DG	20 to 500 rpm	above 100 rpm ± 1% of set speed below 100 rpm ± 1 rpm	1 sec to 160 hours	25 mm (1″)	50 lbs (22.7 kg)	18 × 24″ (45.7 × 61 cm)	30391842

Heavy Duty Orbital Shakers

- Patented Accu-Drive Shaking System
- 100 lb weight capacity
- Available with either 25 or 51 mm orbit

The OHAUS Digital 45 kg Capacity Orbital Shaker is a large capacity shaker. They have a more powerful drive mechanism and larger orbits for optimal shaking of large vessels.

Model	Speed Range	Speed Accuracy	Timer	Orbit	Max. Weight Cap.	Tray Dim. (L × W)	Item No.
SHHD4525DG	15 to 500 rpm	above 100 rpm ± 1% of set speed below 100 rpm ± 1 rpm	1 sec to 160 hours	25 mm (1″)	100 lbs (45.4 kg)	24 × 24″ (61 × 61 cm)	30391863
SHHD4550DG	15 to 300 rpm			51 mm (2″)			30391870

Heavy Duty Orbital Shakers

- Patented Accu-Drive Shaking System
- Available with either 25 or 51 mm orbit
- Calibration mode for speed

The OHAUS Digital 68 kg Capacity Orbital Shakers is the largest capacity shakers designed for the heaviest of loads. They have the most powerful drive mechanism of all the shakers and large orbits for optimal shaking of larger vessels.

Model	Speed Range	Speed Accuracy	Timer	Orbit	Max. Weight Cap.	Tray Dim. (L × W)	Item No.
SHHD6825DG	15 to 500 rpm	above 100 rpm ± 1% of set speed below 100 rpm ± 1 rpm	1 sec to 160 hours	25 mm (1″)	150 lbs (68 kg)	24 × 36″ (61 × 91 cm)	30391877
SHHD6850DG	15 to 300 rpm			51 mm (2″)			30391884

Open Air Shakers
Rocking & Waving Shakers

- Variable control for speed, tilt and time
- 16 lb capacity
- Two-tier model doubles workable capacity

The OHAUS Analog Rocking Shaker is an easy and economical option for all of your rocking needs. The Rocking Shaker is ideal for cell culture and blotting applications and is designed to be used in a variety of environmental conditions. Rocker is supplied with an 14 × 11″ (35.6 × 27.9 cm) non-skid rubber mat.

Rocking Motion

Model	Speed Range	Tilt Angle	Timer	Max. Weight Cap.	Tray Dim. (L × W)	Item No.
SHRK07AL1	1 to 75 rpm*	0 to 15°*	1 min to 120 mins	16 lbs (7.3 kg)**	14 × 11″ (35.6 × 27.9 cm)	30391959
SHRK07AL2						30391966

* Maximum speed/tilt angle may vary with heavy or unbalanced loads.
** Centered on tray.

Rocking & Waving Shakers

- Electronic tilt adjustment from 0 to 15° while unit is operating
- Displays for speed, tilt angle and time
- Timer with audible alarm

The OHAUS Digital Rocking Shaker is ideal for cell culture work and is designed to be used in a variety of environmental conditions.

Rocking Motion

Model	Speed Range	Speed Accuracy	Tilt Angle	Timer	Max. Weight Cap.	Tray Dim. (L × W)	Item No.
SHRK04DG	1 to 50 rpm*	± 1 rpm	0 to 15°*	1 sec to 160 hours	10 lbs (4.5 kg)**	12.75 × 10″ (32.4 × 25.4 cm)	30391994

* Maximum speed/tilt angle may vary with heavy or unbalanced loads.
** Centered on tray.

Rocking & Waving Shakers

- Variable control for speed, tilt and time
- 5 lb capacity
- Large 14 × 11" tray

The OHAUS Analog Waving Shakers are an easy and economical option for all of your waving needs. Ideal for cell culture and blotting applications, and is designed to be used in a variety of environmental conditions.

Wave Motion

Model	Speed Range	Tilt Angle	Timer	Max. Weight Cap.	Tray Dim. (L × W)	Item No.
SHWV02AL	1 to 75 rpm*	0 to 16°*	1 min to 120 mins	5 lbs (2.3 kg)**	14 × 11" (35.6 × 27.9 cm)	30391973

* Maximum speed/tilt angle may vary with heavy or unbalanced loads.
** Centered on tray.

Rocking & Waving Shakers

- Electronic tilt adjustment from 0 to 20° while unit is operating
- Displays for speed and tilt angle, and time
- Timer with audible alarm

The OHAUS Digital Waving Shaker provides precise speed control and a smooth, low foaming, three dimensional, "wave" motion. Ideal for use in a wide range of laboratory applications and designed to be used in a variety of environmental conditions. Tray includes a non-skid rubber mat that is suitable for holding Petri dishes.

Wave Motion

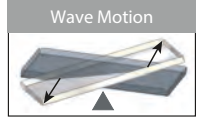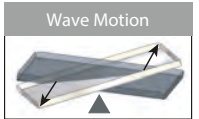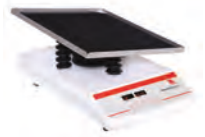| Model	Speed Range	Speed Accuracy	Tilt Angle	Timer	Max. Weight Cap.	Tray Dim. (L × W)	Item No.
SHWV02DG	1 to 30 rpm*	± 1 rpm	0 to 20°*	1 sec to 160 hours	5 lbs (2.3 kg)**	11.75 × 8.75" (29.9 × 22.2 cm)	30391947

* Maximum speed/tilt angle may vary with heavy or unbalanced loads.
** Centered on tray.

Open Air Shakers
Reciprocating Shakers

- Exceptional speed control, accuracy and durability

- LED displays for speed and time

- Calibration mode for speed

The OHAUS Digital Reciprocating Shakers are designed for a wide range of applications, including cell cultures, that require accurate and repeatable results. The microprocessor control provides consistent uniform shaking while safely ramping to the set speed.

Model	Speed Range	Speed Accuracy	Timer	Stroke	Max. Weight Cap.	Tray Dim. (L × W)	Item No.
SHRC0719DG	20 to 300 rpm	above 100 rpm ± 1% of set speed below 100 rpm ± 1 rpm	1 sec to 160 hours	19 mm (0.75")	15 lbs (6.8 kg)	11 × 13" (27.9 × 33 cm)	30391828

Incubating & Incubating Cooling Shakers
Incubating Cooling Thermal Shakers

- 4.3" color LCD touchscreen display provides an intuitive interface
- Rapid heating, cooling and high speed shaking ability
- Internal memory stores five separate 5-step programs, unlimited with USB

The OHAUS Thermal Shakers and Cooling Thermal Shakers are designed for applications that require consistent and precise results. With heating, cooling and shaking capabilities. These shakers use interchangeable blocks to accommodate a wide variety of tubes and microplates. The easy-to-use, 4.3", color, LCD touchscreen allows the user to save and visibly track progress through the live status bar for five user defined programs, each with five individual steps. The unit's enhanced electronics and dual temperature sensors provide accurate, dependable temperature settings across the operating range.

Model	Temp. Range	Temp. Accuracy	Speed Range	Speed Accuracy	Orbit	Item No.
ISTHBLHTS	4°C above ambient to 100°C	± 1°C between 20°C and 45°C ± 2°C above 45°C	300 to 3000 rpm	± 2%	3 mm (0.12")	30392003
ISTHBLCTS	17°C below ambient to 100°C	± 0.5°C between 20°C and 45°C ± 2°C below 20°C and above 45°C				30391996

Accessories
Incubating Cooling Thermal Shakers Modular Blocks

Microplate Block

Sample Type	Well Size	Well Depth	Dimensions (L × W × H)	Item No.
Microplate Thermal Block with Lid	4.21 × 2.81 × 0.1" (10.7 × 7.1 × 0.25 cm)	0.9" (2.30 cm)	4.7 × 6.4 × 3.0" (11.9 × 16.3 × 7.6 cm)	30400126

Sample Type	Well Diameter	Well Depth	Dimensions (L × W × H)	Item No.
384 Well Plate Thermal Block with Lid	0.16" (0.40 cm)	0.32" (0.81 cm)	4.7 × 6.4 × 3.0" (11.9 × 16.3 × 7.6 cm)	30400127
0.2 mL PCR Plate Thermal Block with Lid	0.25" (0.64 cm)	0.50" (1.27 cm)	4.7 × 6.4 × 3.0" (11.9 × 16.3 × 7.6 cm)	30400128

Tube Blocks

Sample Type	No. of Wells	Well Dia.	Well Depth	Dimensions (L × W × H)	Item No.
0.5 mL Microtubes*	30	0.31" (0.79 cm)	0.97" (2.46 cm)	4.0 × 5.6 × 1.8" (10.2 × 14.2 × 4.6 cm)	30400129
1.5 mL Microtubes*	24	0.44" (1.11 cm)	1.39" (3.53 cm)	4.0 × 5.6 × 2.1" (10.2 × 14.2 × 5.3 cm)	30400130
2.0 mL Microtubes*	24	0.45" (1.15 cm)	1.39" (3.53 cm)	4.0 × 5.6 × 2.1" (10.2 × 14.2 × 5.3 cm)	30400131
12 mm Tubes	24	0.47" (1.20 cm)	1.42" (3.61 cm)	4.0 × 5.6 × 2.2" (10.2 × 14.2 × 5.6 cm)	30400132

* Supplied with clear rack and cover

Racks and Covers

Description	Item No.
Rack For 30 X 0.5 mL Tube Block	30400250
Rack For 24X1.5 / 24X2.0 mL Tube Blocks	30400251
Cover For 0.5mL/1.5mL/2.0mL Tube Blocks	30400252

Cryotube Block

Sample Type	No. of Wells	Well Dia.	Well Depth	Dimensions (L × W × H)	Item No.
2.0 mL Cryotubes	24	0.50" (1.26 cm)	1.42" (3.6 cm)	4.0 × 5.6 × 2.2" (10.2 × 14.2 × 5.6 cm)	30400133

Conical Tube Blocks

Sample Type	No. of Wells	Well Diameter	Well Depth	Dimensions (L × W × H)	Item No.
5 mL Eppendorf Tube Block	9	0.66" (1.68 cm)	1.93" (4.9 cm)	4.1 × 5.7 × 2.8" (10.4 × 14.5 × 7.1 cm)	30400134
15 mL Conical Tubes	9	0.68" (1.73 cm)	4.11" (10.44 cm)	4.2 × 5.7 × 5.0" (10.7 × 14.7 × 12.7 cm)	30400135
50 mL Conical Tubes	4	1.18" (3.0 cm)	3.97" (10.09 cm)	4.0 × 5.7 × 4.8" (10.2 × 14.5 × 12.2 cm)	30400136

Incubating & Incubating Cooling Shakers
Incubating Light Duty Orbital Shakers

- LED displays for temperature, speed and time
- Timer with audible alarm
- Calibration mode for temperature

The OHAUS Incubating Light Duty Orbital Shakers are designed to heat and shake a variety of samples.

Model	Temp. Range	Speed Range	Timer	Orbit	Max. Weight Cap.	Tray Dim. (L × W)	Item No.
ISLD04HDG	Ambient +5℃ to 65℃	100 to 1200 rpm	1 sec to 160 hours	3 mm (0.12″)	8 lbs (3.6 kg)	11 × 7.75″ (27.9 × 19.7 cm)	30391924

Incubating Light Duty Orbital Shakers

- LED displays for temperature, speed and time
- Timer with audible alarm
- Available with opaque lid for light sensitive samples

The OHAUS Incubating Microplate Shakers are optimized for shaking microplates, deep-well plates, or micro-tubes.

Model	Temp. Range	Speed Range	Timer	Orbit	Max. Weight Cap.	Tray Dim. (L × W)	Item No.
ISLDMPHDG	Ambient +5℃ to 65℃	100 to 1200 rpm	1 sec to 160 hours	3 mm (0.12″)	4 micro-plates or 2 micro-tube racks	11 × 7.75″ (27.9 × 19.7 cm)	30391938
ISLDMPHDGL*							30391931

*Unit includes opaque lid

Incubating & Incubating Cooling Shakers
Incubating Cooling Orbital Shakers

- Heats to 65°C and cools to 10°C below ambient
- LED displays for temperature, speed and time
- Calibration mode for temperature

The OHAUS Incubating/Cooling Orbital Shaker is microplate ready without the need for any additional accessories. Optional modular blocks can accommodate micro-tubes, centrifuge tubes, vials, or culture tubes. Unit holds microplates or modular blocks with a 5" (12.7 cm) tall interior capacity. Ideal for analyses that require a stable, controlled temperature.

Model	Temp. Range	Speed Range using Microplates	Timer	Orbit	Max. Weight Cap.	Item No.
ISICMBCDG	10°C below ambient to 65°C	100 to 1200 rpm	1 sec to 160 hours	3 mm (0.12")	2 microplates or 2 modular blocks	30391945

Incubating Light Duty Orbital Shakers
Modular Block

Plates

Tubes

Vials
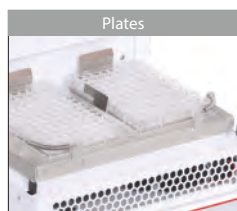
Modular Blocks

Modular Blocks are constructed from a solid anodized aluminum block. The close contact of tubes
to block walls allow for maximum temperature transfer.
Block dimensions (L × W × H): 3.75 × 3 × 2" (9.5 × 7.6 × 5.1 cm)
Applications: Cell cultures, hybridizations, and extraction procedures

OHAUS modular blocks also fit in the OHAUS Dry Block Heaters.
Constructed of anodized aluminum, this material is ideal for its temperature conducting and
corrosion resistant properties.

Microcentrifuge Tube Blocks

Single block

Sample Type	No. of Wells	Well Diameter	Well Depth	Item No.
0.5 mL tube	30	7.9 mm	27.6 mm	30400157
1.5 mL tube	20	11.1 mm	39.1 mm	30400159
2 mL tube	20	11.5 mm	38.1 mm	30400191

Conical-Bottom Centrifuge Tube Blocks

Single block

Sample Type	No. of Wells	Well Diameter	Well Depth	Item No.
15 mL tube	12	17.1 mm	44.5 mm	30400172
50 mL tube	5	29.0 mm	47.6 mm	30400168

Standard Test Tube Blocks

Single block

Sample Type	No. of Wells	Well Diameter	Well Depth	Item No.
6 mm tube	30	8.3 mm	48.4 mm	30400158
10 mm tube	24	10.7 mm	48.4 mm	30400151
12/13 mm tube	20	13.9 mm	48.4 mm	30400152

Incubating Light Duty Orbital Shakers
Modular Block

Centrifuge Tube Combination Block

Single block
These blocks have been designed for variable sized samples.

Sample Type	No. of Wells	Well Diameter	Well Depth	Item No.
Test Tube Combination				
6 mm	6	8.3 mm	48.4 mm	
12/13 mm	5	13.8 mm	48.4 mm	30400156
25 mm	3	26.2 mm	48.4 mm	
Centrifuge Tube Combination				
1.5 mL	4	11.1 mm	39.1 mm	
15 mL	3	17.1 mm	44.5 mm	30400193
50 mL	2	29.0 mm	47.6 mm	
Micro-Tube Combination				
0.5 mL	6	7.9 mm	27.6 mm	
1.5 mL	10	11.1 mm	39.1 mm	30400194
2 mL	5	11.5 mm	38.1 mm	

Vial Blocks

Single block
Designed for sample/serum and scintillation vials.

Sample Type	No. of Wells	Well Diameter	Well Depth	Item No.
12 mm vial	20	12.7 mm	30 mm	30400182
15 mm vial	20	15.8 mm	35 mm	30400183
16 mm vial	15	16.4 mm	45 mm	30400190
17 mm vial	12	17.8 mm	45 mm	30400184
19 mm vial	12	19.7 mm	45 mm	30400185
21 mm vial	9	21.7 mm	45 mm	30400186
23 mm vial	8	23.8 mm	45 mm	30400187
25 mm vial	8	25.8 mm	45 mm	30400188
28 mm vial	6	28.8 mm	45 mm	30400189

Incubating & Incubating Cooling Shakers
Incubating Rocking & Waving Shakers

- Electronic tilt adjustment from 0 to 15° while unit is operating
- LED displays for temperature, speed and tilt angle, and time
- Timer with audible alarm

The OHAUS Incubating Rocking Shaker combines smooth rocking motion and general purpose incubation in one compact bench top unit.

Rocking Motion

Model	Temp. Range	Speed Range	Tilt Angle	Timer	Max. Weight Cap.	Tray Dim. (L × W)	Item No.
ISRK04HDG	Ambient +5°C to 65°C	1 to 50 rpm *	0 to 15° *	1 sec to 160 hours	10 lbs (4.5 kg) **	10 × 7.5" (25.4 × 19.1 cm)	30391980

* Maximum speed/tilt angle may vary with heavy or unbalanced loads.
** Centered on tray.

Incubating Rocking & Waving Shakers

- Electronic tilt adjustment from 0 to 20° while unit is operating
- LED displays for temperature, speed and tilt angle, and time
- Timer with audible alarm

The OHAUS Incubating Waving Shaker combines the unique vertical and horizontal "wave" motion with general purpose incubation in one compact bench top unit.

Wave Motion

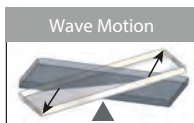| Model	Temp. Range	Speed Range	Tilt Angle	Timer	Max. Weight Cap.	Tray Dim. (L × W)	Item No.
ISWV02HDG	Ambient +5°C to 65°C	1 to 30 rpm *	0 to 20° *	1 sec to 160 hours	5 lbs (2.3 kg) **	9.25 × 7.25" (23.5 × 18.4 cm)	30391987

* Maximum speed/tilt angle may vary with heavy or unbalanced loads.
** Centered on tray.

Open Air, Incubating, Incubating Cooling Shakers Accessories

Universal Platforms

Allows for mounting of flask clamps, test tube racks, and bottle clamps. Platform slides over top of included tray and is tightened with adjustment screws. Optional accessories screw directly into mounting point openings. The two-tier braces allow stacking of platforms with a 10" clearance (available for select sizes). An optional non-skid rubber mat can be placed on the platform for an added non-slip surface. The platform is constructed of type 304 stainless steel.

Description	Used on Shakers	Item No.
11 × 13" (27.9 × 33 cm) Universal Platform	Analog/Digital 16 kg Shakers and Reciprocating Shakers	30400052
13 × 13" (33 × 33 cm) Universal Platform	Analog/Digital 16 kg Shakers and Reciprocating Shakers	30400053
18 × 18" (45.7 × 45.7 cm) Universal Platform*	Analog/Digital 16 kg Shakers and Reciprocating Shakers**	30400054
18 × 24" (45.7 × 61 cm) Universal Platform*	Analog/Digital 16 kg & 23 kg Shakers and Reciprocating Shakers**	30400056
24 × 24" (61 × 61 cm) Universal Platform	Digital 45 kg Shakers	30400057
18 × 30" (45.7 × 76.2 cm) Universal Platform*	Analog/Digital 23 kg Shakers	30400058
24 × 36" (61 × 91.4 cm) Universal Platform	Digital 68 kg Shakers	30400059
Two-Tier Braces (set of 4)	Analog/Digital 16 kg & 23 kg Shakers	30400051

* Two-tier ready
**Stacking of platforms is not recommended for Reciprocating Shaker

Open Air, Incubating, Incubating Cooling Shakers Accessories

Rubber Mats

Description	Used on Shakers	Item No.
11 × 13" (27.9 × 33 cm) Rubber Mat	Analog/Digital 16 kg Shakers and Reciprocating Shakers	30400060
13 × 13" (33 × 33 cm) Rubber Mat	Analog/Digital 16 kg Shakers and Reciprocating Shakers	30400061
18 × 18" (45.7 × 45.7 cm) Rubber Mat	Analog/Digital 16 kg Shakers and Reciprocating Shakers	30400062
18 × 24" (45.7 × 61 cm) Rubber Mat	Analog/Digital 16 kg Shakers, Reciprocating Shakers and Analog Digital 23kg Shakers	30400063
24 × 24" (61 × 61 cm) Rubber Mat	Digital 45 kg Shakers	30400064
24 × 36" (61 × 91.4 cm) Rubber Mat	Digital 68 kg Shakers	30400065

Culture Platforms

Ideal for slow speed applications; Petri dishes, culture flasks, and other flat bottom, low profile vessels. The two-tier braces (available for both sizes) allow stacking of platforms with a 10" clearance. The platform is constructed of type 304 stainless steel. The platform has a non-skid rubber surface.

Description	Used on Shakers	Item No.
18 × 18" (45.7 × 45.7 cm) Culture Platform*	Analog/ Digital 16 kg Shakers* and Reciprocating Shakers**	30400066
18 × 24" (45.7 × 61 cm) Culture Platform*	Analog/ Digital 16 kg* & 23 kg Shakers and Reciprocating Shakers**	30400067
Two-Tier Braces (set of 4)	Analog/ Digital 16 kg & 23 kg shakers	30400051

* Two-tier ready
**Stacking of platforms is not recommended for Reciprocating Shaker

Open Air, Incubating, Incubating Cooling Shakers Accessories

Dedicated Platforms

Pre-mounted flask clamps for maximum utilization of platform space for flasks of all one size. The two-tier braces allow stacking of platforms with a clearance (available for select sizes). Platform is constructed of type 304 stainless steel. Flask clamps are constructed of PVC. Ideal for polycarbonate flasks.

Description	Flask Capacity	Used on Shakers	Item No.
13 × 13" (33 × 33 cm) Dedicated Platform / 125 mL Flask Clamp	16	Analog/Digital 16 kg Shakers and Reciprocating Shakers	30400075
13 × 13" (33 × 33 cm) Dedicated Platform / 250 mL Flask Clamp	12	Analog/Digital 16 kg Shakers and Reciprocating Shakers	30400076
13 × 13" (33 × 33 cm) Dedicated Platform / 500 mL Flask Clamp	8	Analog/Digital 16 kg Shakers and Reciprocating Shakers	30400077
13 × 13" (33 × 33 cm) Dedicated Platform / 1 L Flask Clamp	4	Analog/Digital 16 kg Shakers and Reciprocating Shakers	30400078
18 × 18" (45.7 × 45.7 cm) Dedicated Platform / 125 mL Flask Clamp*	27	Analog/Digital 16 kg Shakers and Reciprocating Shakers**	30400079
18 × 18" (45.7 × 45.7 cm) Dedicated Platform / 250 mL Flask Clamp*	20	Analog/Digital 16 kg Shakers and Reciprocating Shakers**	30400080
18 × 18" (45.7 × 45.7 cm) Dedicated Platform / 500 mL Flask Clamp*	13	Analog/Digital 16 kg Shakers and Reciprocating Shakers**	30400081
18 × 18" (45.7 × 45.7 cm) Dedicated Platform / 1 L Flask Clamp	9	Analog/Digital 16 kg Shakers and Reciprocating Shakers	30400082
Two-Tier Braces (set of 4)		Analog/Digital 16 kg Shakers	30400051

* Two-tier ready

**Stacking of platforms is not recommended for Reciprocating Shaker

Open Air, Incubating, Incubating Cooling Shakers Accessories

Adjustable Platforms

Adjustable clamping bars accommodate various vessel types. Constructed of stainless steel. The base tray has a non-skid rubber surface.

Upper slot distance – 4.5" from platform
Lower slot distance – 2 ¼" from platform

Description	Bar Size	Overall Dimensions	Used on Shakers	Item No.
2-bar Adjustable Platform	8.6" (21.8 cm)	8.6 × 11.7" (21.8 × 29.7 cm)	Digital 4 kg Shakers	30400121
4-bar Adjustable Platform	18" (45.7 cm)	18 × 18" (45.7 × 45.7 cm)	Analog/ Digital 16 kg Shakers	30400068
4-bar Adjustable Platform	18" (45.7 cm)	18 × 24" (45.7 × 61 cm)	Analog/ Digital 23 kg Shakers	30400069

Replacement Parts

Description	Used with Platforms	Item No.
8.6" (21.8 cm) Adjustable Bar (with Mounting Hardware)	30400121	30400122
18" (45.7 cm) Adjustable Bar (with Mounting Hardware)	30400068 & 3040069	30400073

Open Air, Incubating, Incubating Cooling Shakers Accessories

Large Vessel Carrier Platforms

Ideal for large sample containers like carboys, jugs and bottles. The platform's high side walls secure samples, has a heavy-duty design and is constructed of stainless steel. The base tray has a non-skid rubber surface.

Description	Bar Size	Overall Dim. (L × W × H)	Used on Shakers	Item No.
4-bar Large Vessel Carrier Platform	18" (45.7 cm)	30.1 × 18.1 × 13.9" (76.4 × 45.9 × 35.3 cm)	Analog/Digital 23 kg Shakers	30400070
4-bar Large Vessel Carrier Platform	24" (61 cm)	24.4 × 24.3 × 14.2" (61.9 × 61.7 × 36.0 cm)	Digital 45 kg Shakers	30400071
5-bar Large Vessel Carrier Platform	24" (61 cm)	36.9 × 24.3 × 14.2" (93.7 × 61.7 × 36.0 cm)	Digital 68 kg Shakers	30400072

Replacement Part	Used with Carrier	Item No.
18" (45.7 cm) Adjustable Bar (with Mounting Hardware)	30400070	30400073
24" (61 cm) Adjustable Bar (with Mounting Hardware)	30400071 & 30400072	30400074

Separatory Funnel Platform

Holds 3 funnels at once on an 18 × 18" (45.7 × 45.7 cm) platform. Platform can accommodate 500 mL to 2 L separatory funnels and is constructed of stainless steel. Includes platform, clamps and hardware to secure 3 funnels.

Description	Used on Shakers	Item No.
Separatory Funnel Platform 46 X 46 cm	Analog/Digital 16 kg Shakers and Reciprocating Shakers	30400083

Open Air, Incubating, Incubating Cooling Shakers Accessories

Microplate Clamp
Can hold one standard microplate or deep-well plate.
Constructed of type 304 stainless steel.

Platform Capacities for Microplate Clamps		
Platform Size	**Microplate Clamps**	**Platform Item No.**
11 × 13	4	30400052
13 × 13	6	30400053
18 × 18	12	30400054
18 × 24	18	30400056
18 × 30	21	30400057
24 × 24	24	30400058
24 × 36	36	30400059

Description	Used on Shakers	Item No.
Microplate Clamp	Analog/Digital 16 kg, 23 kg, 45 kg, & 68 kg Shakers	30400104

Universal Harness
Attaches to tray to secure low-profile plates.

Description	Used on Shakers	Item No.
Universal Harness	Digital 4 kg Open Air Orbital Shakers	30400123

Open Air, Incubating, Incubating Cooling Shakers Accessories

Dimpled Mat

Designed to hold centrifuge tubes, vials, culture tubes, and micro-tubes securely in place.
Mat can easily be removed for cleaning and transporting of tubes from bench to tray.

Description	Used on Shakers	Item No.
Dimpled Mat, 12.75 × 10" (32.4 × 25.4 cm)	Digital Rocking Shaker	30400140
Dimpled Mat, 11.75 × 8.75" (29.9 × 22.2 cm)	Digital Waving Shaker	30400142
Dimpled Mat, 10 × 7.5" (25.4 × 19.1 cm)	Incubating Rocking Shaker	30400141
Dimpled Mat, 9.25 × 7.25" (23.5 × 18.4 cm)	Incubating Waving Shaker	30400143
Dimpled Mat, 11.75 × 8.75" (29.9 × 22.2 cm)	Open Air 4 kg Orbital Shaker	30400124
Dimpled Mat, 14 × 11" (35.6 × 27.9 cm)	Analog Rocking & Waving Shaker	30400144

Stacking Tray

Easily attaches to the units' included tray to add a second tier for higher capacity applications.
Second tier tray mounts 3.5" (8.9 cm) above lower tray.
The tray includes hardware and a rubber mat.

Description	Used on Shakers	Item No.
Stacking Tray, 12.75 × 10" (32.4 × 25.4 cm)	Digital Rocking Shaker	30400137
Stacking Tray, 11.75 × 8.75" (29.9 × 22.2 cm)	Digital Waving Shaker	30400138
Stacking Tray, 14 × 11" (35.6 × 27.9 cm)	Analog Rocking Shaker	30400139

Accessories
Open Air, Incubating, Incubating Cooling Shakers Accessories

Dilution Cup Tray
Constructed of type 304 stainless steel. Holds 24×28 mm dilution vials.

Description	Used on Unit	Item No.
1.5 to 2 mL Micro-Tube Rack	Digital 4 kg Open Air Orbital Shakers	30400125

Micro-Tube Rack
Optional 1.5 to 2 mL Micro-Tube Rack attaches to tray to hold up to 70×1.5 mL or 2 mL micro-tubes.
Tray can accommodate up to 2 micro-tube racks.

Description	Used on Unit	Item No.
Stacking Tray, 12.75 × 10" (32.4 × 25.4 cm)	Digital Open Air and Incubating Microplate Shaker	30400114

Open Air, Incubating, Incubating Cooling Shakers Accessories

Stainless Steel Flask Clamps

Designed to hold Erlenmeyer flasks from 10 mL to 6 L. Constructed of type 302 and 304 stainless steel. Includes hardware for easy attachment to platforms. Flask clamps 50 mL and higher are supplied with a spring to hold the flask in place. The 2.8 L clamp is designed to hold a Fernbach flask. Media bottle clamps feature the same details as flask clamps.

Clamp Style	Item No.
10 mL Erlenmeyer Flask Clamp	30400084
25 mL Erlenmeyer Flask Clamp	30400085
50 mL Erlenmeyer Flask Clamp	30400086
125 mL Erlenmeyer Flask Clamp	30400087
250 mL Erlenmeyer Flask Clamp	30400088
500 mL Erlenmeyer Flask Clamp	30400089
1 L Erlenmeyer Flask Clamp	30400090
2 L Erlenmeyer Flask Clamp	30400091
2.8 L Fernbach Flask Clamp	30400092
3 L Fernbach Flask Clamp	30400093
4 L Erlenmeyer Flask Clamp	30400094
5 L Erlenmeyer Flask Clamp	30400095
6 L Erlenmeyer Flask Clamp	30400096
500 mL Media Bottle Clamp	30400097
1 L Media Bottle Clamp	30400098

Accessories
Open Air, Incubating, Incubating Cooling Shakers Accessories

PVC Flask Clamps

Constructed of one piece, molded PVC. Autoclavable. Will not scratch or mark flask like other clamps. Includes hardware for easy attachment to universal platforms. The attachment and removal of flasks is quick and easy. Ideal for polycarbonate flasks.

Clamp Style	Item No.
125 mL Erlenmeyer Flask Clamp	30400099
250 mL Erlenmeyer Flask Clamp	30400100
500 mL Erlenmeyer Flask Clamp	30400101
1 L Erlenmeyer Flask Clamp	30400102
2 L Erlenmeyer Flask Clamp	30400103

Open Air, Incubating, Incubating Cooling Shakers Accessories

Test Tube Racks

Half Size, Stationary

Racks constructed of PVC coated steel. Includes hardware for easy attachment to platforms.
Dimensions:
5 L × 7 W × 4" H (12.7 × 17.8 × 10.2 cm) / Micro-Tube Rack: 1.7" H (4.3 cm).

Test Tube Style	Item No.
1.5 to 2 mL Micro-Tube Rack Half Size, Stationary	30400114
10 to 13 mm Test Tube Rack Half Size, Stationary	30400115
14 to 16 mm Test Tube Rack Half Size, Stationary	30400116
18 to 20 mm Test Tube Rack Half Size, Stationary	30400117
22 to 25 mm Test Tube Rack Half Size, Stationary	30400118
15 mL Centrifuge Tube Rack Half Size, Stationary	30400119
50 mL Centrifuge Tube Rack Half Size, Stationary	30400120

Accessories
Open Air, Incubating, Incubating Cooling Shakers Accessories

Test Tube Racks

Full Size, Stationary
Racks constructed of PVC coated steel. Includes hardware for easy attachment to platforms.
Dimensions
3.75 L × 16.5 W × 4" H (9.5 × 41.9 × 10.2 cm)

Full Size, Pivoting
Has adjustable angle, custom tilt. Stainless steel holder includes removable plastic rack. Rack is easily removed to transport from work area to shaker.
Inside pivoting rack dimensions:
5.1 × 10.8 × 3.9" (12.9 × 27.4 × 9.9 cm)
Outside stationary rack dimensions:
5.0 × 10.9 × 5" (12.7 × 27.6 × 12.7 cm)

Test Tube Style	Item No.
10 to 14 mm Test Tube Rack Full Size, Stationary	30400110
16 to 20 mm Test Tube Rack Full Size, Stationary	30400111
21 to 25 mm Test Tube Rack Full Size, Stationary	30400112
50 mL Centrifuge Tube Rack Full Size, Stationary	30400113
13 mm Test Tube Rack Full Size, Pivoting	30400105
16 mm Test Tube Rack Full Size, Pivoting	30400106
20 mm Test Tube Rack Full Size, Pivoting	30400107
25 mm Tube Rack Full Size, Pivoting	30400108
30 mm Tube Rack Full Size, Pivoting	30400109

Fixed Speed Vortex Mixers

- Sturdy design
- Fixed high speed mixing
- Touch mode operation

Built sturdy to provide stable and reliable vortexing action. Starts mixing when the cup head is pressed down. Speed is fixed at full rpm to provide vigorous vortexing of samples.

Model	Speed Range 120V	Orbit	Controls	Duty Rating	Item No.
VXMNFS	3200 rpm	4.9 mm (0.19")	None	Intermittent duty	30392108

Analog Mini Vortex Mixers

- Sturdy design
- Variable, analog speed control
- Continuous or touch mode operation

Built sturdy to provide stable and reliable vortexing action. Control allows low rpm startup for gentle shaking or high speed mixing for vigorous vortexing of samples. Two modes of operation; continuous mode when using accessory attachments or touch mode which activates mixing when depressing the cup head.

Model	Speed Range* 120V	Orbit	Controls	Duty Rating	Item No.
VXMNAL	300 to 3200 rpm	4.9 mm (0.19")	Auto/Off/On Rocker Switch, Speed Knob: Variable 1 to 10 Dial Marks	Intermittent duty	30392115

* Maximum speed will vary depending on accessory used.

Vortex Mixers
Digital Mini Vortex Mixers

- Sturdy design
- LED displays for speed and time
- Continuous or touch mode operation

Built sturdy to provide stable and reliable vortexing action. Ideal for applications that demand repeatable results. Microprocessor control maintains set speed for strong, consistent mixing action. Timer will display elapsed time or, when programmed to user defined time limit, the unit will shut off when time reaches zero. Two modes of operation; continuous mode when using accessory attachments or touch mode which activates mixing when depressing the cup head.

Model	Speed Range* 120V	Timer	Orbit	Controls	Duty Rating	Item No.
VXMNDG	500 to 3000 rpm	1 sec to 160 hours	4.9 mm (0.19")	Auto/ Standby/ On Rocker Switch, LED Displays for Speed/ Time, Up/Down Buttons for Set-Point Control	Intermittent duty	30392122

* Maximum speed will vary depending on accessory used.

Pulsing Mini Vortex Mixers

- Sturdy design
- LED displays for time and speed
- Glass bead cell disruption/homogenization

Built sturdy to provide stable and reliable vortexing action. Powerful pulsing vortex action produces excellent cell disruption for glass bead procedures. Capable of complete cell disruption of samples in only minutes. Unique pulsing action reduces heat generation while providing more effective mixing and disruption. Displayed time counts up during continuous operation and counts down during timed runs.

Model	Speed Range* 120V	Timer	Orbit	Controls	Duty Rating	Item No.
VXMNPS	500 to 3000 rpm	1 sec to 160 hours	2.5 mm (0.098")	Auto/Standby/ On Rocker Switch, LED Displays for Speed/ Time, Up/Down Buttons for Set-Point Control Pulse Button	Intermittent duty	30392129

* Maximum speed will vary depending on accessory used.

Accessories
Mini Vortex Mixer Accessories

Micro-Tube Holder
Mixes (48) 0.25 to 2 mL micro-tubes.
Requires Insert Retainer.

Description	Item No.
Micro-Tube Holder (2 pack)	30400232
Insert Retainer	30400227

9 to 13 mm Tube Holder
Ideal for mixing 5 mL culture tubes and micro-vials.
Requires Insert Retainer.

Description	Item No.
9 to 13 mm Tube Holder (2 pack)	30400229
Insert Retainer	30400227

14 to 19 mm Tube Holder
Ideal for mixing up to (8) 15 mL centrifuge tubes.
Requires Insert Retainer.

Description	Item No.
14 to 19 mm Tube Holder (2 pack)	30400230
Insert Retainer	30400227

20 to 25 mm Tube Holder
Ideal for mixing up to (8) 50 mL centrifuge tubes.
Requires Insert Retainer

Description	Item No.
20 to 25 mm Tube Holder (2 pack)	30400231
Insert Retainer	30400227

Vessel Harness
Mixes Erlenmeyer flasks and media bottles.
Requires Insert Retainer.

Description	Item No.
Vessel Harness (2 pack)	30400228
Insert Retainer	30400227

OHAUS Vortex Mixer accessories are interchangeable with other manufacturers' models.
Call 1-800-672-7722 for assistance.

Mini Vortex Mixer Accessories

Cup Head
Designed for mixing 1 tube at a time.

Description	Item No.
Cup Head	30400235

3" Rubber Head Cover and 3" Head
Designed for mixing irregular shaped objects.

Description	Item No.
3" (7.6 cm) Rubber Head Cover	30400196
3" (7.6 cm) Head	30400236
3" (7.6 cm) Head with Rubber Cover	30400237

Microplate Holder
Ideal for mixing 96-well plates or deep well blocks.
Requires Insert Retainer.

Description	Item No.
Microplate Holder (2 pack)	30400233
Insert Retainer	30400227

Flat Foam Insert
Ideal for custom applications. Can be cut or drilled to fit your specifications. Requires Insert Retainer.

Description	Item No.
Flat Foam Insert (2 pack)	30400234
Insert Retainer	30400227

Microwell Kit with Retainer
Includes:
• 2 Microplate Holders
• 1 Insert Retainer

Description	Item No.
Microwell Kit with Retainer	30400199

Microtube Kit with /Retainer
Includes:
• 2 Micro-Tube Holders
• 1 Insert Retainer

Description	Item No.
Microtube Kit with /Retainer	30400200

Accessories
Mini Vortex Mixer Accessories

Foam Insert Variety Pack
Includes:
- (1) 9 to 13 mm Tube Holder
- (1) 14 to 19 mm Tube Holder
- (1) 20 to 25 mm Tube Holder
- 1 Flat Foam Insert

Description	Item No.
Foam Insert Variety Pack	30400201

Micro-Tube and Microplate Holder Kit
Includes:
- 1 Micro-Tube Holder
- 1 Microplate Holder
- 1 Insert Retainer

Description	Item No.
Micro-Tube & Microplate Holder Kit	30400198

Tube Holder Kit
Includes:
- (1) 9 to 13 mm Tube Holder
- (1) 14 to 19 mm Tube Holder
- (1) 20 to 25 mm Tube Holder
- 1 Flat Foam Insert
- 2 Vessel Harnesses
- 1 Insert Retainer

Description	Item No.
Tube Holder Kit	30400197

Single Tube Holder
Single tube, hands free mixing. Easily attaches to the top of any Vortex Mixer with the use of a strong magnetic base. Accepts tubes from 2.5 to 4.5" (6.4 to 11.4 cm) in length. Minimum tube diameter of 0.75" (19 mm).

Description	Item No.
Single Tube Holder	30400202

Mini Vortex Mixer Accessories

Single Tube Holder Accessories
(Requires Single Tube Holder)

0.5 mL Micro-Tube Holder
Mixes (24) 0.5 mL micro-tubes.
For use with Single Tube Holder.

Description	Item No.
Micro-Tube Holder (0.5 mL)	30400204

Ampule Tube Holder
Mixes up to 4 storage vials and test tubes.

Description	Item No.
15 to 17 mm Ampule Tube Holder	30400207
10 to 17 mm Ampule Tube Holder	30400208

Stainless Steel Microtube Holder
Mixes up to (12) 1.5 to 5 mL tubes.
Stainless steel construction.

Description	Item No.
Microtube Holder	30400206

Adapter for
Vortex-Genie® Mixer*
Adapter plate easily adheres to the Vortex-Genie® Mixer housing so Single Tube Holder (sold separately) can be attached.

Description	Item No.
Adapter plate	30400203

* The Vortex-Genie® Mixer is a registered trademark of Scientific Industries, Inc.

1.5 mL to 2.0 mL Micro-Tube Holder
Mixes (18) 1.5 to 2 mL micro-tubes.
For use with Single Tube Holder.

Description	Item No.
Microtube Holder (1.5 mL to 2.0 mL)	30400205

Vortex Mixers
Heavy-Duty Vortex Mixers

- Designed for continuous duty
- LED displays for speed and time
- Includes foam insert for 1.5 mL to 2.0 mL microtubes

The OHAUS Digital Heavy-Duty Vortex Mixer is ideal for applications that demand repeatable results. Mixer features touchpad controls and LED displays for accurate speed (rpm) and time (minutes and seconds) results. The heavy-duty design and efficient motor allow this mixer to operate in continuous duty and handle all accessories over the entire speed range. Choose from two modes of operation: "Touch" mode for mixing tubes when cup head or Universal Holder with cover is depressed, or "On" mode when using any of the accessory attachments for continuous operation. Microprocessor control maintains set speed for strong, consistent mixing action. Timer will display elapsed time or, when programmed to user defined time limits, the unit will shut off when time reaches zero.

Model	Speed Range	Timer	Orbit	Capacity	Dimensions (L × W × H)	Item No.
VXHDDG	On Mode 300 to 2500 rpm Touch Mode 300 to 3500 rpm	1 sec to 160 hours	4.9 mm (0.19")	2.5 lbs (1.1 kg)	9.5 × 6.6 × 6.1" (24.1 × 16.8 × 16.5 cm)	30392146

Heavy-Duty Vortex Mixers

- Designed for continuous duty
- Includes foam insert for 1.5 mL to 2.0 mL microtubes
- Heavy-duty design

The OHAUS Analog Heavy-Duty Vortex Mixer is a variable speed analog mixer that is designed for continuous duty. The heavy-duty design and efficient motor allow this mixer to operate in continuous duty and handle all accessories over the entire speed range. Choose from two modes of operation: "Touch" mode for mixing tubes when cup head or Universal Holder with cover is depressed, or "On" mode when using any of the accessory attachments for continuous operation.

Model	Speed Range	Orbit	Capacity	Dimensions (L × W × H)	Item No.
VXHDAL	On Mode 300 to 2500 rpm Touch Mode 300 to 3500 rpm	4.9 mm (0.19")	2.5 lbs (1.1 kg)	9.5 × 6.6 × 6.1" (24.1 × 16.8 × 16.5 cm)	30392148

Vortex Mixers
Microplate Vortex Mixers

- Designed for continuous duty
- Designed for shaking microplates or tubes
- LED displays for speed and time

The OHAUS Digital Microplate Vortex Mixer is ideal for applications that demand repeatable results. Mixer features touchpad controls and LED displays for accurate speed (rpm) and time (minutes and seconds) results. Microprocessor control maintains set speed for strong, consistent mixing action. Timer will display elapsed time or, when programmed to a user defined time limit, the unit will shut off when time reaches zero. Choose from two modes of operation: "Touch" mode which activates mixing when cup head is depressed, or "On" mode when using the microplate attachments for continuous operation.

Model	Speed Range	Timer	Orbit	Capacity	Dimensions (L × W × H)	Item No.
VXMPDG	On Mode 300 to 2500 rpm Touch Mode 300 to 3500 rpm	1 sec to 160 hours	3.5 mm (0.13")	2 microplates	10.5 × 5.4 × 4.5" (26.7 × 13.7 × 11.4 cm)	30392160

Microplate Vortex Mixers

- Designed for continuous duty
- Designed for shaking microplates or tubes
- Optional double microplate holder available

The OHAUS Analog Microplate Vortex Mixer is a variable speed analog mixer that is designed for continuous duty. The high speed and small orbit is optimal for effectively mixing microplates. Choose from two modes of operation: "Touch" mode which activates mixing when cup head is depressed, or "On" mode when using the microplate attachments for continuous operation.

Model	Speed Range	Orbit	Capacity	Dimensions (L × W × H)	Item No.
VXMPAL	On Mode 300 to 2500 rpm Touch Mode 300 to 3500 rpm	3.5 mm (0.13")	2 microplates	10.5 × 5.4 × 4.5" (26.7 × 13.7 × 11.4 cm)	30392162

Microplate Vortex Mixers

Foam Insert for 0.5 mL Microtubes
Foam insert holds (52) 0.5 mL microtubes.
Requires Universal Holder.

Description	Item No.
0.5 mL microtubes	30400216
Universal Holder	30400226

Foam Insert for 1.5 to 2.0 mL Microtubes
Foam insert holds (38) 1.5 to 2.0 mL microtubes.
Requires Universal Holder.

Description	Item No.
1.5 to 2.0 mL microtubes	30400217
Universal Holder	30400226

Foam Insert for 12-13 mm Test Tubes
Foam insert holds (34) 12-13 mm diameter test tubes.
Requires Universal Holder.

Description	Item No.
12-13 mm test tubes	30400220
Universal Holder	30400226

Foam Insert for 15-18 mm Test Tubes
Foam insert holds (20) 15-18 mm diameter test tubes.
Ideal for 15 mL centrifuge tubes.
Requires Universal Holder.

Description	Item No.
15-18 mm test tubes	30400221
Universal Holder	30400226

Foam Insert for 19-21 mm Test Tubes
Foam insert holds (18) 19-21 mm diameter test tubes.
Requires Universal Holder.

Description	Item No.
19-21 mm test tubes	30400222
Universal Holder	30400226

Foam Insert for 22-25 mm Test Tubes
Foam insert holds (13) 22-25 mm diameter test tubes.
Requires Universal Holder.

Description	Item No.
22-25 mm test tubes	30400223
Universal Holder	30400226

Vortex Mixers
Microplate Vortex Mixers

Foam Insert for 26-29 mm Test Tubes
Foam insert holds (4) 26-29 mm diameter test tubes. Ideal for 50 mL centrifuge tubes. Requires Universal Holder.

Description	Item No.
26-29 mm test tubes	30400224
Universal Holder	30400226

Single Tube Holder
Single tube, hands free mixing designed to fit on the Heavy-Duty Vortex Mixer. Easily attached to the top of mixer and is magnetically secured.
Accepts tubes from 2.5 to 4.5" (6.4-11.4 cm).
Minimum tube diameter is 0.75" (19 mm)

Description	Item No.
Single Holder	30400219

Cup Head*
Designed for mixing 1 tube at a time.

Description	Item No.
Cup Head	30400210

Small Vessel Holder
Rubber holder secures 125 and 250 mL Erlenmeyer flasks. Vessel holder also includes a grip mat.
Requires Universal Holder.

Description	Item No.
Small Vessel Holder	30400218
Universal Holder	30400226

Large Vessel Holder
Rubber holder secures 500 and 1000 mL Erlenmeyer flasks. Vessel holder also includes a grip mat.
Requires Universal Holder.

Description	Item No.
Large Vessel Holder	30400211
Universal Holder	30400226

*Unless noted with an asterisk (*), for use on Heavy-Duty Vortex only.

Microplate Vortex Mixers

Microplate Holder (Single)*
Designed to hold one standard microplate.

Description	Item No.
Single Holder	30400215

Microplate Holder (Double)*
Designed to hold two standard microplates.

Description	Item No.
Double Holder	30400213

Microplate Holder (Quad)
Designed to hold four standard microplates.

Description	Item No.
Quad Holder	30400214

Stackable Microplate Holder Four
Designed to maximize the capacity of the Heavy-Duty Vortex Mixer to eight microplates by stacking the tray on top of the four plate holder.

Description	Item No.
Stackable Holder	30400212

Flat Foam Insert
Ideal for custom applications. Can be cut or drilled to fit your specifications. Requires Universal Holder.

Description	Item No.
Flat Foam Insert	30400209
Universal Holder	30400226

Universal Holder & Cover
Replacement for items supplied with Heavy-Duty Vortex Mixer. Cover allows for mixing irregularly shaped objects.

Description	Item No.
Universal Holder	30400226
Universal Holder Cover	30400225

*Unless noted with an asterisk (*), for use on Heavy-Duty Vortex only.

Vortex Mixers
Multi-Tube Vortex Mixers

- Process up to 50 samples at a time
- Continuous or timed operation
- Includes foam rack for 12 mm tubes

Conveniently angled front panel features rocker switch for run, time and standby modes.

Model	Speed Range*	Timer	Orbit	Max. Weight Cap.	Tray Dim. (L × W)	Item No.
VXMTAL	1200 to 2400 rpm	0 to 60 sec	3.6 mm (0.14")	10 lbs (4.5 kg)	7.25 × 12.25" (18.4 × 31.1 cm)	30392164

* Maximum speed will vary depending on load.

Multi-Tube Vortex Mixers

- Process up to 50 samples at a time
- LED displays for speed and time
- Pulsing mode

Ideal for applications requiring accuracy and repeatability.

Model	Speed Range*	Timer	Orbit	Max. Weight Cap.	Tray Dim. (L × W)	Item No.
VXMTDG	500 to 2500 rpm	1 sec to 160 hours	3.6 mm (0.14")	10 lbs (4.5 kg)	7.25 × 12.25" (18.4 × 31.1 cm)	30392171

* Maximum speed will vary depending on load.

Multi-Tube Vortexer Accessories

Foam Test Tube Racks

Description	Tube Cap.	Color	Dimensions (L × W × H)	Item No.
10 mm Test Tube Foam Rack	50	Gray	5.5 × 9.5 × 2" (14 × 24.1 × 5.1 cm)	30400238
12 mm Test Tube Foam Rack	50	Blue	5.5 × 9.5 × 2" (14 × 24.1 × 5.1 cm)	30400239
13 mm Test Tube Foam Rack	50	Yellow	5.5 × 9.5 × 2" (14 × 24.1 × 5.1 cm)	30400240
16 mm Test Tube Foam Rack (for 15 mL centrifuge tubes)	50	Green	5.5 × 9.5 × 2" (14 × 24.1 × 5.1 cm)	30400241
25 mm Test Tube Foam Rack	28	White	5.5 × 9.5 × 2" (14 × 24.1 × 5.1 cm)	30400243
29 mm Test Tube Foam Rack (for 50 mL centrifuge tubes)	15	Red	5.5 × 9.5 × 2" (14 × 24.1 × 5.1 cm)	30400242
Replacement Tray Pad Set (upper & lower)	N/A	Gray	7 × 12 × 1" (17.8 × 30.5 × 2.5 cm)	30400245

Post Extension Kit
Adds 6" (15.2 cm) to the post of the Multi-Tube Vortex Mixer to accommodate tubes up to 10" (25.4 cm) tall.

Description	Item No.
Post Extension Kit	30400244

Dry Block Heaters
Dry Block Heaters

- Exceptional temperature uniformity and stability
- Optional external temperature probe
- Holds interchangeable modular blocks

Designed for applications that require repeatable results and superior temperature stability. These multi-purpose units are ideal for incubation and activation of cultures, enzyme reactions, immunoassays, melting/boiling points, and a wide variety of other laboratory procedures. Integral support rod holder with locking knob accepts optional External Temperature Probe Kit. Optional External Temperature Probe Kit monitors actual block or sample temperature. Each of the five models accepts separate interchangeable modular blocks, accommodating various tube sizes from 0.2 mL micro-tubes to 50 mL centrifuge tubes. Each block has a thermometer well for measuring block temperature. Efficient heating due to close tube-and-block contact for maximum heat retention. Heaters require OHAUS modular heating blocks for operation. Modular blocks are sold separately (see pages 71-74).

Model	Size	Temperature Range	Temperature Stability @ 37°C	Heat-Up Time to 100°C	Item No.
HB1DG	1 block	Ambient +5°C to 120°C	120 volt units: ± 0.1°C	≤ 16 minutes	30392059
HB2DG	2 block			≤ 16 minutes	30392080
HB4DG	4 block			≤ 23 minutes	30392087
HB6DG	6 block			≤ 30 minutes	30392094

Description	Item No.
Optional External Temperature Probe Kit	30400246

Dry Block Heaters

- Multi-purpose use
- Holds interchangeable modular blocks
- Analog controls

High wattage, constant-temperature Dry Block Heaters are economical, versatile and compact. These multi-purpose units are ideal for incubation and activation of cultures, enzyme reactions, immunoassays, melting/boiling points and a wide variety of other laboratory procedures. Each of the five models accept separate interchangeable modular blocks, accommodating various sample enclosures such as micro-tubes, centrifuge tubes, vials, microplates, and PCR strips or tubes. Each block has a thermometer well for measuring block temperature. Anodized aluminum modular blocks provide superior temperature stability and heat transfer. Heaters require OHAUS modular heating blocks for operation. Modular blocks are sold separately (see pages 71-74).

Model	Size	Temperature Range	Uniformity Within the Block @ 37℃	Temperature Stability @ 37℃	Item No.
HB1AL	1 block	Low Range: Ambient +5℃ to 100℃ High Range: 75℃ to 150℃	120 volt units: ± 0.1℃	120 volt units: ± 1.0℃	30392045
HB2AL	2 block			120 volt units: ± 1.5℃	30392052
HB4AL	4 block			120 volt units: ± 2.0℃	30392066
HB6AL	6 block				30392073

Dry Block Heaters
2 Block Dry Block Heater with Lid

- Exceptional uniformity, stability, and regulation of temperature
- Heated lid reduces condensation on sample lids
- Optional external temperature probe

OHAUS Digital Dry Block Heater with Heated Lid are designed for applications that require repeatable results and superior temperature stability. These multi-purpose units are ideal for isothermal incubation, enzyme reactions, immunoassays, nucleic acid denaturation and a wide variety of other laboratory procedures. Integral support rod holder with locking knob accepts optional External Temperature Probe Kit. Optional External Temperature Probe Kit monitors actual block or sample temperature. Block heater accepts one microplate block or two separate interchangeable modular blocks, accommodating various tube sizes from 0.2 mL micro-tubes to test tubes or vials up to 85 mm in height. Each block has a thermometer well for measuring block temperature. Efficient heating due to close tube-and-block contact with a low density design for exceptional temperature uniformity. The heated lid helps to regulate the temperature and reduce the amount of condensation on sample lids. Heaters require OHAUS modular heating blocks for operation. Modular blocks are sold separately (see pages 71-74).

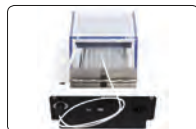| Model	Size	Temperature Range	Temperature Stability @ 37°C	Uniformity Within the Block @ 37°C	Item No.
HB2DGHL	2 block	Ambient +5°C to 100°C	120 volt units: ± 0.1°C	120 volt units: ± 1.0°C	30392101

Modular Blocks & Accessories

Modular blocks are constructed from a solid anodized aluminum block*. The close contact of tubes-to-block walls allow for maximum heat retention. Each block has a thermometer well for measuring block temperature.

CAUTION! To avoid possible electrical hazard, do not fill well or block with water or other fluids. Units are designed as a dry bath/incubator.

Single block dimensions (L × W × H): 3.75 × 3 × 2" (9.5 × 7.6 × 5.1 cm)
Double block dimensions (L × W × H): 6 × 3.75 × 2.25" (15.2 × 9.5 × 5.7 cm)

Microcentrifuge Tube Blocks

Single block

Brand/Sample Type	No. of Wells	Well Dia.	Well Depth	Item No.
0.5 mL Tube	30	7.9 mm	27.6 mm	30400157
1.5 mL Tube	20	11.1 mm	39.1 mm	30400159
1.5 mL Eppendorf™ Tube	20	11.5 mm	36.9 mm	30400162
2 mL Eppendorf™ Tube	20	11.5 mm	38.1 mm	30400191
2 mL Corning™ Tube	20	10.9 mm	38.1 mm	30400192

Titer Plate Block

Double block
Fits 2/4/6 block Dry Block Heaters. Ideal for 96-well or 384-well titer plates. Recessed well for better stability, flat surface good for flat and round bottom plates.

Sample Type	Well Depth	Item No.
Titer Plate	13.5 mm	30400164

Conical-Bottom Centrifuge Tube Blocks

Single/Sample Type	No. of Wells	Well Dia.	Well Depth	Item No.
15 mL Tube	12	17.1 mm	44.5 mm	30400172
50 mL Tube	5	29.0 mm	47.6 mm	30400168

Dry Block Heaters
Modular Blocks* & Accessories

Standard Test Tube Blocks

Single/Sample Type	No. of Wells	Well Dia.	Well Depth	Item No.
6 mm Tube	30	8.3 mm	48.4 mm	30400158
10 mm Tube	24	10.7 mm	48.4 mm	30400151
12/13 mm Tube	20	13.9 mm	48.4 mm	30400152
12/13 mm Tube	16	13.9 mm	48.4 mm	30400165
15/16 mm Tube	12	17.5 mm	48.4 mm	30400153
17/18 mm Tube	12	19.1 mm	48.4 mm	30400195
20 mm Tube	8	21.0 mm	48.4 mm	30400154
25 mm Tube	6	26.2 mm	48.4 mm	30400155
35 mm Tube	4	35.0 mm	47.6 mm	30400167

Combination Blocks

Single block
These blocks have been designed for variable sized samples.

Sample Type		No. of Wells	Well Dia.	Well Depth	Item No.
Test Tube Combination	6 mm	6	8.3 mm	48.4 mm	30400156
	12/13 mm	5	13.8 mm	48.4 mm	
	25 mm	3	26.2 mm	48.4 mm	
Centrifuge Tube Combination	1.5 mL	4	11.1 mm	39.1 mm	30400193
	15 mL	3	17.1 mm	44.5 mm	
	50 mL	2	29.0 mm	47.6 mm	
Micro-Tube Combination	0.5 mL	6	7.9 mm	27.6 mm	30400194
	1.5 mL	10	11.1 mm	39.1 mm	
	2 mL	5	11.5 mm	38.1 mm	

Vial Blocks

Single block
Designed for sample/serum and scintillation vials.

Sample Type	No. of Wells	Well Dia.	Well Depth	Item No.
12 mm Vial	20	12.7 mm	30 mm	30400182
15 mm Vial	20	15.8 mm	35 mm	30400183
16 mm Vial	15	16.4 mm	45 mm	30400190
17 mm Vial	12	17.8 mm	45 mm	30400184
19 mm Vial	12	19.7 mm	45 mm	30400185
21 mm Vial	9	21.7 mm	45 mm	30400186
23 mm Vial	8	23.8 mm	45 mm	30400187
25 mm Vial	8	25.8 mm	45 mm	30400188
28 mm Vial	6	28.8 mm	45 mm	30400189

* Block color subject to change

Modular Blocks* & Accessories

PCR—Plate, Tube, Strip Blocks
Single and double block
Tapered tube wells for 0.2 mL tubes. Spaced for easy access and removal.

Sample Type	Block Size	No. of Wells	Well Dia.	Well Depth	Item No.
96-well PCR Plate	Double	96	6.4 mm	15.5 mm	30400171
10 × 8 Tube Strips	Single	80	6.4 mm	15.5 mm	30400169
Individual Tubes	Single	64	6.4 mm	20.2 mm	30400170

Cuvette Block
Single block
Two parallel slots fit 6 cuvettes in each slot, side-by-side.

Sample Type	No. of Wells	Well Depth	Item No.
(12) 12.5 mm Cuvettes	2	25.4 mm	30400161

Solid Blocks
Single and double block
For use as a low-temperature hotplate, slide drying, or for custom drilling to make a custom block.

Block Size	Dimensions (L × W × H)	Item No.
Single	3.75 × 3 × 2" (9.5 × 7.6 × 5.1 cm)	30400160
Double	6 × 3.75 × 2.25" (15.2 × 9.5 × 5.7 cm)	30400166

Stainless Steel Sand Baths
Ideal for irregular vessels. Stainless steel construction for superior corrosion resistance. Designed to hold sand, stainless steel shot or non-volatile fluids.

For Unit	Dimensions (L × W × H)	Item No.
1 Block Dry Block Heater	3.8 × 3.0 × 2.5" (9.5 × 7.6 × 6.4 cm)	30400173
2 Block Dry Block Heater	3.8 × 5.9 × 2.5" (9.5 × 14.9 × 6.4 cm)	30400174
4 Block Dry Block Heater	5.8 × 7.5 × 2.5" (14.7 × 19.1 × 6.4 cm)	30400175
6 Block Dry Block Heater	5.8 × 11.3 × 2.5" (14.7 × 28.7 × 6.4 cm)	30400176

Accessories	Item No.
Sand, 1 lb (0.45 kg)	30400177
Stainless Steel Shot, 1 lb (0.45 kg)	30400178

* Block color subject to change

Dry Block Heaters
Modular Blocks* & Accessories

Low Temperature Covers

Plexiglass cover reduces air flow for additional temperature stability in low-temperature applications. Two sides are open 0.25" (6.4 mm).

Block Size	Dimensions (L × W × H)	Item No.
2 Block Cover	6.5 × 6.5 × 1.6" (16.5 × 16.5 × 4.1 cm)	30400179
4 Block Cover	8.5 × 8.5 × 1.6" (21.6 × 21.6 × 4.1 cm)	30400180
6 Block Cover	12.5 × 8.5 × 1.6" (31.8 × 21.6 × 4.1 cm)	30400181

* Block color subject to change

Mini Hotplates & Stirrers

- Ergonomic design
- Hotplates & Hotplate-Stirrers boil 300 mL of water in 18 minutes
- Ideal for educational labs
- Built in support rod holder

The OHAUS Basic Mini Hotplates, Stirrers, and Hotplate-Stirrers are rugged, compact units that heat and stir up to 1000 mL of liquid. Ceramic tops feature a chemical resistant white reflective top plate that is easy to clean. Bi-metallic thermostat offers reliable temperature control. Powerful heater reaches maximum temperature in only minutes. Powerful motor and magnet deliver reliable and consistent stirring. Compact design saves bench space. Built-in support rod holder with locking knob accepts optional Support Rod and Clamp Kit. **Basic Mini Fixed Temperature Hotplate** features an illuminated rocker switch to activate the preset fixed temperature of 500°C.
Basic Mini Auto-Stirrer is automatically activated by the minimum weight of a beaker or flask and will stop stirring when mixing vessel is removed.

Basic Mini Hotplates

Model	Temp. Range	Max. Cap. (H_2O)	Top Plate Dim. (Dia.)	Overall Dim. (L × W × H)	Item No.
HSMNHP4CAL	to 500°C*	1000 mL	4 × 4" (10.2 × 10.2 cm)	7.9 × 6 × 5" (20.1 × 15.2 × 12.7 cm)	30392010
HSMNHP4CFT*					30392031

* Fixed Temperature Hotplate has a fixed temperature of 500°C.

Basic Mini Stirrers

Model	Speed Range	Max. Cap. (H_2O)	Top Plate Dim. (Dia.)	Overall Dim. (L × W × H)	Item No.
HSMNST4CAL	100 to 1200 rpm	1000 mL	4 × 4" (10.2 × 10.2 cm)	7.9 × 6 × 5" (20.1 × 15.2 × 12.7 cm)	30392017
HSMNAS4CAL**					30392038

**Mini auto stirrer

Basic Mini Hotplate-Stirrers

Model	Temp. Range	Speed Range	Max. Cap. (H_2O)	Top Plate Dim. (Dia.)	Overall Dim. (L × W × H)	Item No.
HSMNHS4CAL	to 500°C	100 to 1200 rpm	1000 mL	4 × 4" (10.2 × 10.2 cm)	7.9 × 6 × 5" (20.1 × 15.2 × 12.7 cm)	30392024

Bead Mill Homogenizers
HT Lysing Bead Mill Homogenizer

- Flexibility to handle multiple samples & tube configurations
- Take the guesswork out of determining optimum speed/time with 5 pre-set programs
- Increased efficiency with high-throughput sample processing
- Integral lid lock for increased safety

The HT (High Throughput) Lysing Bead Mill Lab Homogenizer offers efficient solutions for all of your grinding, lysing, pulverizing, mixing and homogenizing sample preparation applications. High-throughput processing is ideal for multiple sample and tube configurations. Easy-to-load tray securely locks the microplate or tube in place. High speed linear motion processes samples quickly. Flexibility to use OHAUS sample tubes or any other brand.

Model	Speed Range	Motion	Timer	Capacity	Max. Cap.	Item No.
HOHTDG	300 to 1600 rpm (1 rpm increments)	Reciprocal, 31 mm	1 second to 10 minutes (1 second increments)	1 deep well plate, 4 microplates, or any sample matrix that can fit in the 10.2 × 12.7 × 6.4 cm adjustable holder	300 g	30391393

Mini Lysing Bead Mill Homogenizer

- Provides an economical alternative for small batch testing
- Intuitive touchpad & display enables easy operation with excellent repeatability
- High Speed Allows for Homogenization of Tough Samples Quickly
- Clear Polycarbonate Lid With Built-In Safety Switch

The OHAUS Mini Lysing Bead Mill Homogenizer offers efficient solutions for lysing, grinding, mixing, pulverizing, and blending your most difficult samples. The high-speed, figure eight-style motion rapidly processes up to three samples quickly and efficiently at a fraction of the cost of the larger models.

Model	Speed Range	Motion	Timer	Capacity	Item No.
HOMNDG	2800–4000 rpm (100 rpm increments)	Figure 8	3–180 seconds (1 second increments)	3 × 2 mL skirted or non-skirted tubes	30391308

Accessories
Bead Mill Homogenizer Tubes, Racks & Kits

Accessories	Item No.
White, Bacteria, 2mL tube, 100/box	30391402
Yellow, Yeast, 2mL Tube, 100/box	30391404
Blue, Fungi, 2mL Tube, 100/box	30391405
Orange, Soft Sample, 2mL Tube, 100/box	30391406
Green, Plant, 2mL Tube, 100/box	30391408
Red, Animal Tissue, 2mL Tube, 100/box	30391409
Brown, Environmental, 2mL Tube, 100/box	30391410
Tube Rack, 25 x 2ml Tubes, 2 per pack	30391431
Sample Tube Kit, 14 Tubes	30391433

Multi-Purpose Clamps

UltraJaws Heavy-Duty Clamps

- Large grip adjustment range
- Single or dual adjust
- Available in three sizes; small, medium, and large
- Nickel-plated zinc

30392254

Our patented multi-purpose UltraJaws Heavy-Duty Clamps feature an innovative closed yoke construction that minimizes contamination and corrosion of internal components. The unique design enables secure gripping and positioning with added strength and durability.

Available in both single and dual prong adjustment, prongs open gradually to maximize grip size without binding. Both designs feature precise pressure regulation when gripping glassware surfaces to reduce the chance of breakage. UltraJaws clamps are constructed with extension rods for easy attachment to lab-frames and other apparatus. Supplied with non-slip vinyl sleeves and, for temperatures above 100°C, fiberglass covers.

The prong height of the UltraJaws Heavy-Duty Clamps make them ideal for use in holding and securing glassware with precision ground glass joints. The chart details which UltraJaws Clamps are recommended.

NOTE: An additional holder must be purchased in order to attach clamps to frames or other apparatus.

See the Connectors & Holders section of this catalog, pages 95-98.
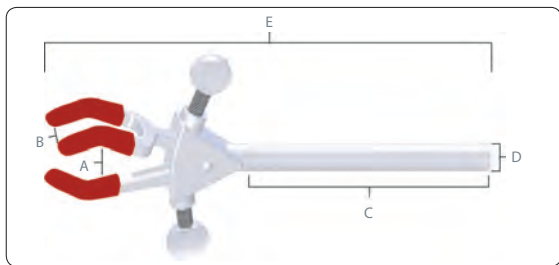
Ground Glass Joint Reference Chart

Clamp	Joint Size
Small Dual Adjust	10/30, 12/30, 14/20, 19/22, 24/40, 29/42, 34/45
Medium Dual Adjust	14/40, 19/38
Large Dual Adjust	45/50

LabJaws Clamps & Supports
Multi-Purpose Clamps

UltraJaws Heavy-Duty Clamps

3-Prong Single Adjust Clamps

Size	(A) Min. to Max Grip Size	(B) Prong Width	(C) Arm Length	(D) Arm Dia.	(E) Overall Length	Item No.
Small	0 to 23 mm (0 to 0.91")	6 mm (0.24")	102 mm (4")	8 mm (0.32")	162 mm (6.38")	30392254
Medium	0 to 50 mm (0 to 1.97")	19 mm (0.75")	127 mm (5")	11 mm (0.43")	229 mm (9.02")	30392252
Large	0 to 72 mm (0 to 2.83")	29 mm (1.14")	127 mm (5")	11 mm (0.43")	260 mm (10.24")	30392250

3-Prong Dual Adjust Clamps

Size	(A) Min. to Max Grip Size	(B) Prong Width	(C) Arm Length	(D) Arm Dia.	(E) Overall Length	Item No.
Small	0 to 32 mm (0 to 1.26")	6 mm (0.24")	102 mm (4")	8 mm (0.32")	152 mm (5.98")	30392253
Medium	0 to 70 mm (0 to 2.76")	19 mm (0.75")	127 mm (5")	11 mm (0.43")	222 mm (8.74")	30392251
Large	0 to 103 mm (0 to 4.06")	29 mm (1.14")	127 mm (5")	11 mm (0.43")	260 mm (10.24")	30392249

Multi-Purpose Clamps

Heavy-Duty Tapered Clamps

Heavy-Duty, 4-prong, dual adjust tapered clamps are designed to hold large vessels with ground glass joint necks. Clamps are constructed with extension rods for easy attachment to lab-frames and other apparatus. Nickel-plated zinc construction.

NOTE: An additional holder must be purchased in order to attach clamps to frames or other apparatus.

See the Connectors & Holders section of this catalog, pages 95-98.

30392194

Size	Joint Size	Prong Width	Arm Length	Arm Dia.	Overall Length	Item No.
Small	24/40 mm	16 mm (0.63")	229 mm (9.02")	13 mm (0.51")	356 mm (14")	30392193
Large	34/45 mm	19 mm (0.75")	229 mm (9.02")	13 mm (0.51")	381 mm (15")	30392194

Multi-Purpose Clamps

- Stainless steel, electro-polished finish
- Large dual adjustment range
- Available in three sizes; small, medium, and large
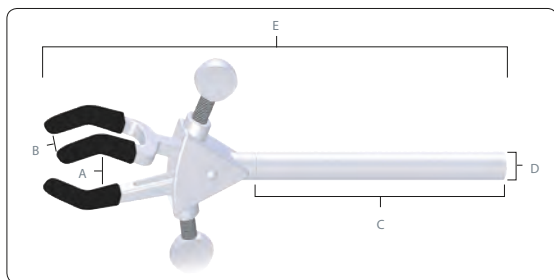

30392352

These durable, multi-purpose clamps are made entirely of stainless steel with an electro-polished finish and offer excellent chemical resistance and overall strength. The versatile 3-prong design secures various lab apparatus such as jointed glassware, columns, flasks, and tubes. Dual prong adjustments offer a wide range of motion. Long stainless steel extension arm offers easy positioning and depth adjustment. Autoclavable. Supplied with non-slip vinyl sleeves and, for temperatures above 100°C, fiberglass covers.

NOTE: An additional holder must be purchased in order to attach clamps to frames or other apparatus.

See the Connectors & Holders section of this catalog, pages 95-98.

LabJaws Clamps & Supports
Multi-Purpose Clamps

3-Prong Stainless Steel Dual Adjust Clamps

Size	(A) Min. to Max Grip Size	(B) Prong Width	(C) Arm Length	(D) Arm Dia.	(E) Overall Length	Item No.
Small	0 to 48 mm (0 to 1.9")	13 mm (0.51")	102 mm (4")	10 mm (0.39")	172 mm (6.77")	30392354
Medium	0 to 69 mm (0 to 2.72")	19 mm (0.75")	127 mm (5")	13 mm (0.51")	229 mm (9.02")	30392353
Large	0 to 102 mm (0 to 4")	29 mm (1.14")	127 mm (5")	13 mm (0.51")	273 mm (10.75")	30392352

Multi-Purpose Clamps

2-Prong Multi-Purpose Clamps

- Stainless steel electro-polished finish or nickel-plated zinc
- Large grip adjustment range
- 2-prong construction
- Single or dual adjust

30392208

Designed to securely hold laboratory glassware and apparatus. Extension arm attaches clamp head securely and offers easy positioning in the deepest fume hoods. Clamps are constructed with round extension arms, which allow the clamps to be rotated 360°. Extension arms also allow placement of apparatus at various distances from lab-frames without compromising the integrity of your experiment. Stainless steel clamps are electro-polished and made entirely of stainless steel. They offer exceptional chemical resistance and are autoclavable. Nickel-plated zinc offers a clamp with a high tensile strength at an economical price. Supplied with non-slip vinyl sleeves and, for temperatures above 100°C, fiberglass covers.

NOTE: An additional holder must be purchased in order to attach clamps to frames or other apparatus.

See the Connectors & Holders section of this catalog, pages 95-98.
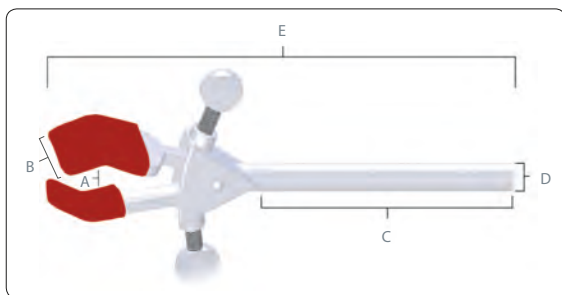
2-Prong Single Adjust Clamps

Material	Size	(A) Min. to Max Grip Size	(B) Prong Width	(C) Arm Length	(D) Arm Dia.	(E) Overall Length	Item No.
Nickel-plated zinc	Medium	0 to 78 mm (0 to 3.07")	23 mm (0.91")	127 mm (5")	11 mm (0.43")	216 mm (8.5")	30392208
Nickel-plated zinc	Large	0 to 92 mm (0 to 3.62")	23 mm (0.91")	127 mm (5")	11 mm (0.43")	229 mm (9.02")	30392206

LabJaws Clamps & Supports
Multi-Purpose Clamps

2-Prong Dual Adjust Clamps

Material	Size	(A) Min. to Max Grip Size	(B) Prong Width	(C) Arm Length	(D) Arm Dia.	(E) Overall Length	Item No.
Stainless steel	Medium	0 to 75 mm (0 to 2.95")	23 mm (0.91")	127 mm (5")	11 mm (0.43")	229 mm (9.02")	30392220
Nickel-plated zinc	Medium	0 to 75 mm (0 to 2.95")	23 mm (0.91")	127 mm (5")	11 mm (0.43")	229 mm (9.02")	30392209
Stainless steel	Large	0 to 95 mm (0 to 3.74")	23 mm (0.91")	127 mm (5")	11 mm (0.43")	248 mm (9.76")	30392223
Nickel-plated zinc	Large	0 to 95 mm (0 to 3.74")	23 mm (0.91")	127 mm (5")	11 mm (0.43")	248 mm (9.76")	30392207

Multi-Purpose Clamps

Swivel Clamps

Used to hold apparatus near the lab-frame. Unlike extension clamps, the swivel clamps have an integral holder for attaching to a lab-frame or other apparatus. Built-in holder grips rods up to 19 mm (0.75") in diameter and is adjustable for forward or reverse-facing adjustment screws. Shaft wing-nut allows the holding angle of the swivel clamp to adjust through 360° of rotation and can be locked in place once desired position is achieved. Stainless steel electro-polished finish or nickel-plated zinc construction. Supplied with non-slip vinyl sleeves and, for temperatures above 100°C, fiberglass covers.

30392225
(shown in stainless steel)

Material	Description	Size	Min. to Max. Grip Size	Prong Width	Overall Length	Item No.
Stainless steel	2-Prong Single Adjust	Medium	0 to 76 mm (0 to 3")	23 mm (0.91")	163 mm (6.42")	30392226
Nickel-plated zinc	2-Prong Single Adjust	Medium	0 to 76 mm (0 to 3")	23 mm (0.91")	163 mm (6.42")	30392215
Nickel-plated zinc	2-Prong Single Adjust	Large	0 to 95 mm (0 to 3.74")	23 mm (0.91")	180 mm (7.09")	30392216
Stainless steel	3-Prong Dual Adjust	Medium	0 to 69 mm (0 to 2.72")	20 mm (0.79")	178 mm (7.01")	30392225
Nickel-plated zinc	3-Prong Dual Adjust	Medium	0 to 69 mm (0 to 2.72")	20 mm (0.79")	178 mm (7.01")	30392214

LabJaws Clamps & Supports
Multi-Purpose Clamps

Fixed-Position Clamps

Used to hold apparatus near the lab-frame where no adjustment is required after set-up. Built-in holder grips rods up to 19 mm (0.75") in diameter Fixed-Position Clamps have an integral holder but can be rotated after attachment to a lab-frame or other apparatus. Available in 2-prong or 3-prong. Stainless steel electro-polished finish or nickel-plated zinc construction. Supplied with non-slip vinyl sleeves and, for temperatures above 100°C, fiberglass covers.

30392218
(shown in nickel-plated zinc)

Material	Description	Size	Min. to Max. Grip Size	Prong Width	Overall Length	Item No.
Stainless steel	2-Prong Single Adjust	Medium	0 to 77 mm (0 to 3.03")	23 mm (0.91")	133 mm (5.24")	30392230
Nickel-plated zinc	2-Prong Single Adjust	Medium	0 to 77 mm (0 to 3.03")	23 mm (0.91")	133 mm (5.24")	30392218
Stainless steel	3-Prong Dual Adjust	Medium	0 to 69 mm (0 to 2.72")	20 mm (0.79")	146 mm (5.75")	30392229
Nickel-plated zinc	3-Prong Dual Adjust	Medium	0 to 69 mm (0 to 2.72")	20 mm (0.79")	146 mm (5.75")	30392217

Specialty Clamps

Thermometer Swivel Clamp

Holds glass tubes and thermometers 114 mm (4.49")
from support rod. Clamp features safety adjust spring
plate jaws that adjust to any angle with locking wing-
nut. Built-in holder grips rods up to 19 mm (0.75") in
diameter. Lightweight, rust, and corrosion-resistant.
Nickel-plated construction.

30392238

Min. to Max. Grip Size	Overall Length	Item No.
6 to 8 mm (0.24 to 0.32")	159 mm (6.26")	30392238

Thermometer / Thermocouple Extension Clamp

Lightweight clamp holds glass tubing, thermometers
or thermocouples up to 178 mm (7") from support rod.
Tightening wing-nut applies tension to the nickel-plated
jaws.
NOTE: An additional holder must be purchased in order
to attach clamps to frames or other apparatus.
See the Connectors & Holders section of this catalog,
pages 95-98.

30392239

Min. to Max. Grip Size	Ext Arm Length	Arm Dia.	Overall Length	Item No.
6 to 12 mm (0.24 to 0.47")	127 mm (5")	11 mm (0.43")	210 mm (8.27")	30392239

Wall Clamp

Ideal for securing fermentation tubes, burets or other
small objects to walls where no frames are available.
Integral self-tapping screw secures clamp to wall. Nickel-
plated construction.

30392244

Min. to Max. Grip Size	Overall Length	Item No.
5 to 10 mm (0.2 to 0.39")	80 mm (3.15")	30392244

Water Bath Clamps

Holds a variety of apparatus, including glass tubes
and thermometers onto glass water bath walls. Built-
in holder grips walls of varying thickness, up to 9 mm
(0.35"). Knurled thumbscrew tightens jaws to hold
objects firmly. Nickel-plated zinc construction. Large
water bath clamp is supplied with non-slip vinyl sleeves
and, for temperatures above 100°C, fiberglass covers.

30392241

Size	Min. to Max. Grip Size	Prong Width	Overall Length	Item No.
Small	5 to 10 mm (0.2 to 0.39")	N/A	89 mm (3.5")	30392240
Large	0 to 46 mm (0 to 1.81")	11 mm (0.43")	117 mm (4.61")	30392241

LabJaws Clamps & Supports
Specialty Clamps

For the items listed below an additional holder must be purchased in order to attach clamps to frames or other apparatus. See the Connectors & Holders section of this catalog, pages 95-98.

Chain Clamps

Holds large round or irregular shaped objects firmly, yet gently, to lab-frames and rods. Quick and secure slip-on chain connection with large, easy-to-turn adjusting knob. Extension arm allows user to vary distance from the frame. Available as stainless steel clamp, constructed entirely of stainless steel with electro-polished finish or nickel-plated zinc clamp with strong, chromed-brass chain.

30392224
(shown in stainless steel)

Stainless Steel

Size	Min. to Max. Dia.	Ext. Arm Length	Arm Dia.	Overall Length	Item No.
Large-5	35 to 280 mm (1.38 to 11.02")	127 mm (5")	13 mm (0.51")	206 mm (8.11")	30392224

Nickel-Plated Zinc

Size	Min. to Max. Dia.	Ext. Arm Length	Arm Dia.	Overall Length	Item No.
Small	35 to 170 mm (1.38 to 6.69")	127 mm (5")	13 mm (0.51")	188 mm (7.4")	30392235
Large-5	35 to 280 mm (1.38 to 11.02")	127 mm (5")	13 mm (0.51")	206 mm (8.11")	30392259
Large-12	35 to 280 mm (1.38 to 11.02")	305 mm (12")	13 mm (0.51")	384 mm (15.12")	30392260

Specialty Clamps

For the items listed below an additional holder must be purchased in order to attach clamps to frames or other apparatus. See the Connectors & Holders section of this catalog, pages 95-98.

Column Clamps

These sturdy, easily adjusted, multi-purpose clamps are ideal for holding large cylindrical glassware and similar objects. A large, flat thumbscrew/worm-drive permits maximum tightening or removal in minimum time. Clamp is constructed of corrosion-resistant stainless steel. Ideal for chromatography columns.

30392316

Size	Min. to Max. Dia.	Ext. Arm Length	Arm Dia.	Overall Length	Item No.
Small	65 to 89 mm (2.56 to 3.5")	211 mm (8.31")	11 mm (0.43")	282 mm (11.1")	30392314
Medium	91 to 114 mm (3.58 to 4.49")	211 mm (8.31")	11 mm (0.43")	315 mm (12.4")	30392315
Large	64 to 140 mm (2.52 to 5.51")	211 mm (8.31")	11 mm (0.43")	338 mm (13.31")	30392316
X-Large	92 to 165 mm (3.62 to 6.5")	211 mm (8.31")	11 mm (0.43")	368 mm (14.49")	30392317

LabJaws Clamps & Supports
Specialty Clamps

For the items listed below an additional holder must be purchased in order to attach clamps to frames or other apparatus. See the Connectors & Holders section of this catalog, pages 95-98.

Nester Extension Clamps

Securely holds large or small glass distillation columns and odd-shaped glassware. Constructed of stainless steel with strong, chromed-brass band and chain.

30392318

Min. to Max. Dia.	Ext. Arm Length	Arm Dia.	Overall Length	Item No.
50 to 102 mm (1.97 to 4")	152 mm (5.98")	10 mm (0.39")	262 mm (10.32")	30392318

PVC Coated Open Extension Rings

Ideal for supporting funnels, round bottom flasks, reaction vessels, and other apparatus that require lower support. Opening in PVC coated aluminum ring allows for easy removal of sample container. PVC coating protects glassware. Long extension arm permits depth adjustment of the open ring from the lab-frame or ring stand.

30392347

Ring Dia.	Ext. Arm Length	Arm Dia.	Overall Length	Item No.
76 mm (3")	254 mm (10")	9 mm (0.35")	328 mm (12.91")	30392346
102 mm (4")	305 mm (12")	9 mm (0.35")	404 mm (15.91")	30392347
127 mm (5")	305 mm (12")	11 mm (0.43")	427 mm (16.81")	30392348

Open Rings

Lightweight rings mount funnels, boiling flasks, and other irregular shaped objects to lab-frames. Open ring section allows items to pass in and out of support area easily, reducing risk of breakage. Aluminum construction.

30392345

Ring Dia.	Ext. Arm Length	Arm Dia.	Overall Length	Item No.
76 mm (3")	58 mm (2.28")	9 mm (0.35")	132 mm (5.2")	30392343
102 mm (4")	58 mm (2.28")	9 mm (0.35")	158 mm (6.22")	30392344
127 mm (5")	61 mm (2.4")	11 mm (0.43")	183 mm (7.2")	30392345

Specialty Clamps

Buret Holders

Stainless steel electro-polished finish or nickel-plated zinc construction. Double Buret Clamp holds any size buret from micro to 100 mL capacity. Simply compress the scissor-like mechanism, insert buret and gently release to grip. Numbers and graduation on buret remain easy to read. For height adjustments, recompress mechanism and slide buret up or down and gently release. Clamp unit with built-in reinforced hook connector attaches to optional standard support rod. Adjusting nut faces forward for easy use. Stainless steel or aluminum support rod attaches to optional porcelain base.

30392231 (shown in stainless steel)

Support Rod (Dia. × L): 13 × 578 mm (0.51 × 22.76")
Porcelain Base (L × W × H): 178 × 330 × 25 mm (7 × 13 × 1")

Stainless Steel

Description	Item No.
Double Buret Clamp (only)	30392227
Support Rod (only)	30392233
Support Stand with Rod	30392232
Double Buret Clamp & Support Stand with Rod (complete)	30392231

Nickel-Plated Zinc

Description	Item No.
Double Buret Clamp (only)	30392234
Support Stand with Rod	30392312
Double Buret Clamp & Support Stand with Rod (complete)	30392313

LabJaws Clamps & Supports
Specialty Clamps

Kettle Clamps

Holds flask and cover together firmly. Three insulated spring-activated clamping arms. Stainless steel springs. For use on reaction kettles.

30392365

Flask Size	Inside Dia.	Item No.
500 mL, 1000 mL	125 mm (4.92")	30392365
2000 mL, 3000 mL, 4000 mL	142 mm (5.59")	30392366

Electrode Support Clamp

Permits suspension of electrodes over beaker for potentiometric titrations. Holds any electrode clamp at desired level. Built-in nickel-plated zinc holder grips rods up to 19 mm (0.75") in diameter.

30392242
Electrode holder
not included

Overall Length	Item No.
178 mm (7")	30392242

Suspension Clamp

Holds thermometers, potash bulbs or drying tubes 114 mm (4.49") from support rod. Machine tapered, nickel-plated brass hook won't bend, rust, or corrode. Built-in holder grips rods up to 19 mm (0.75") in diameter.

30392243

Overall Length	Item No.
137 mm (5.39")	30392243

Support Clamp

Supports electrolysis apparatus, glass rods or tubing at any angle. Arms are nickel-plated brass with vinyl coating. Easily supports cylindrical objects up to 19 mm (0.75") in diameter. Built-in holder grips rods up to 19 mm (0.75") in diameter.

30392237

Overall Length	Prong Width	Item No.
152 mm (5.99")	25 mm (1")	30392237

Specialty Clamps

Ultra Flex Support Systems have unique flexible arms that are extremely versatile and can be placed in virtually any position or angle. Ultra Flex comes in three different systems; base plate, lab-frame connector, and bench clamp. Each system includes a 2-Prong Clamp Head, 3-Prong Clamp Head, Spring Clamp Head, nickel-plated flex arm in 305 mm (12") or 457 mm (18") length, and utility wrench. 2-prong and 3-prong clamp heads also supplied with non-slip vinyl sleeves and, for temperatures above 100°C, fiberglass covers.

2-Prong Clamp Head

3-Prong Clamp Head

Spring Clamp Head

Arm Length	Ultra Flex 12 Ultra Flex 18	305 mm (12") 457 mm (18")
Arm Diameter		13 mm (0.51")
Max. Grip Size	2-Prong Clamp Head 3-Prong Clamp Head Spring Clamp Head	75 mm (2.95") 69 mm (2.72") 13 mm (0.51")

Ultra Flex Support System with Base Plate

OHAUS Ultra Flex Support System with Base Plate is constructed of all metal and designed with a stable, painted steel base plate with chemical resistant black finish that fits easily on bench tops or in fume hoods. Base plate measures $127 \times 127 \times 12.7$ mm ($5 \times 5 \times 0.5$").

30400014

Description	Item No.
Ultra Flex 12 with Base Plate	30400011
Ultra Flex 18 with Base Plate	30400014

Ultra Flex Support System with Lab-Frame Connector

Ultra Flex Support System with Lab-Frame Connector securely attaches to support stands, lab-frames, or any support rod up to 19 mm (0.75") in diameter. Ideal for use in fume hoods. Lab-frame connector is made of cast alloy.

30400013

Description	Item No.
Ultra Flex 12 with Lab-Frame Connector	30400013
Ultra Flex 18 with Lab-Frame Connector	30400016

LabJaws Clamps & Supports
Specialty Clamps

Ultra Flex Support System with Bench Clamp

Ultra Flex Support System with Bench Clamp easily attaches to the side of your lab bench or counter top, which helps utilize more space in your lab. Bench clamp is constructed of aluminum.

30400015

Description	Item No.
Ultra Flex 12 with Bench Clamp	30400012
Ultra Flex 18 with Bench Clamp	30400015

Bench Clamp

Aluminum bracket with arm fastens quickly and firmly to any convenient shelf. Accepts 13 mm (0.51") rods vertically and horizontally, to which ordinary rings and clamps attach, leaving bench surface clear for apparatus.

30392311

Clamp Opening	Depth of Grip	Overall Length	Item No.
1.7" (43 mm)	2" (51 mm)	7.75" (197 mm)	30392311

Thumbscrew Knob

Thumbscrew tightening knob features a 32 mm (1.25") slot in the center of a nylon disc that will accept thumbscrews supplied with the LabJaws and UltraJaws Multi-Purpose Clamps, excluding the stainless steel version. Makes tightening of clamps easier on the hands and wrists.

30392192

Overall Diameter	Thumbscrew Slot	Item No.
64 mm (2.5")	32 mm (1.25")	30392192

Double Jaw Utility Clamp

Swivels 360° and locks securely in desired position. These 2-prong clamps have a medium and a large clamp on each end. Nickel-plated zinc construction. Supplied with non-slip vinyl sleeves and, for temperatures above 100°C, fiberglass covers.

30392236

Description	Min. to Max. Grip Size	Prong Width	Overall Length	Item No.
Medium 2-Prong	0 to 76 mm (0 to 3")	23 mm (0.91")	222 mm (8.74")	30392236

Connectors & Holders

Regular Holder
Stainless steel electro-polished finish or nickel-plated zinc construction. Ideal for holding clamps to lab-frames. Use wherever clamping at 90° is required.

30392219
(shown in stainless steel)

Material	Min. to Max. Grip Size	Item No.
Stainless steel	0 to 18 mm (0 to 0.71")	30392219
Nickel-plated zinc	0 to 18 mm (0 to 0.71")	30392197

Jumbo Holder
Stainless steel electro-polished finish or aluminum construction. Ideal for holding clamps to lab-frames or ring stands.

30392357
(shown in stainless steel)

Material	Min. to Max. Grip Size	Item No.
Stainless steel	0 to 21 mm (0 to 0.83")	30392357
Aluminum	0 to 21 mm (0 to 0.83")	30392196

Heavy-Duty Holder
For mounting stirrers and other apparatus. Holder is constructed of strong aluminum alloy; fitted with oversized knobs for very secure positioning. Rods supported on 102 mm (4") long surface to avoid vibration and wobble.

30400045

Material	Min. to Max. Grip Size	Item No.
Aluminum	6 to 24 mm (0.24 to 0.95")	30400045

Swivel Holder
Two rod holders with center swivel capacity allow tilting of clamps at any angle in parallel planes. Outside adjustment screw allows close proximity between items being held. Stainless steel electro-polished or nickel-plated zinc construction.

30392228
(shown in stainless steel)

Material	Min. to Max. Grip Size	Item No.
Stainless steel	0 to 19 mm (0 to 0.75")	30392228
Nickel-plated zinc	0 to 19 mm (0 to 0.75")	30392213

LabJaws Clamps & Supports
Connectors & Holders

All-Position Clamp Holder
Surpasses standard holding capabilities. The all-position clamp holder permits adjustment at any angle in any plane. Holders are set at 90° to each other, connected by a 90° connector, allowing 360° rotation. Nickel-plated zinc construction.

30392248

Material	Min. to Max. Grip Size	Item No.
Nickel-plated zinc	0 to 19 mm (0 to 0.75")	30392248

Clamp Holder
Clamp is ideal for gripping 2 rods at 90 º. Oversized thumbscrews make securing rods fast and easy.

30392195

Material	Min. to Max. Grip Size	Overall Length	Item No.
Aluminum	0 to 17 mm (0 to 0.66")	70 mm (2.75")	30392195

Hook Connector
Stainless steel electro-polished finish or nickel-plated zinc construction. Simple, versatile, and easy-to-use. Hook connectors allow one-handed assembly of two components with one adjustment screw.

30392358
(shown in stainless steel)

Material	Min. to Max. Grip Size	Item No.
Stainless steel	0 to 13 mm (0 to 0.51")	30392358
Nickel-plated zinc	0 to 13 mm (0 to 0.51")	30392258

End-to-End Connector
Extend the length of lab-frame rods. Strong aluminum alloy connector permits end-to-end joining of rods. Precision boring of connector ensures perfect alignment of rods. Corrosion resistant. Comes with two set screws.

30392264

Material	Min. to Max. Grip Size	Item No.
Aluminum	0 to 13 mm (0 to 0.51")	30392264

Connectors & Holders

Rod End Connector

Holds rods firmly at 90°. Use when semi-permanent installations are required. Comes with two set screws and is precision bored for close fit. Stainless steel electro-polished finish or nickel-plated zinc construction.

30392222
(shown in stainless steel)

Material	Min. to Max. Grip Size	Item No.
Stainless steel	0 to 13 mm (0 to 0.51")	30392222
Nickel-plated zinc	0 to 13 mm (0 to 0.51")	30392256

S-Connector

Stainless steel electro-polished finish or nickel-plated zinc construction. Clamp is ideal for constructing lab-frames or other supports requiring the connection of two perpendicular rods. Clamp connects two 13 mm (0.51") rods at a 90° angle and features separate adjustment screws for each rod location.

30392355
(shown in stainless steel)

Material	Min. to Max. Grip Size	Item No.
Stainless steel	0 to 13 mm (0 to 0.51")	30392355
Nickel-plated zinc	0 to 13 mm (0 to 0.51")	30392257

Frame Connector (Pack of 12)

Improved contour delivers simplicity and strength. Angled adjustment screws allow easy set-up and prevents misalignment. Smooth, rounded surfaces are easy-to-clean. Small size maximizes lab-frame space. Bright dipped aluminum finish sealed with silicon for maximum protection against corrosion.

30392255

Material	Min. to Max. Grip Size	Item No.
Aluminum	0 to 13 mm (0 to 0.51")	30392255

LabJaws Clamps & Supports
Connectors & Holders

Universal Stirrer Mounting Bracket
Use to mount stirrers and other devices to lab-frames.
Aluminum mounting bracket with attachment screws.

30392265

Max. Weight Mounted	Min. to Max. Grip Size	Item No.
2.27 kg (5 lbs)	0 to 20 mm (0 to 0.78")	30392265

Multi-Rod Connector
Maximum adjustment capability within one connector.
Two adjustment rods fit into the oval hole in the connector,
preventing turning when tightened. Side and front 13 mm
(0.51") holes allow creation of a variety of configurations.
Nickel-plated zinc construction.

30392262

Min. to Max. Rod Size	Item No.
0 to 13 mm (0 to 0.51")	30392262

Wrench
Special adjusting wrench is for use with lab-frame items
with set screws.

30392270

Length	Item No.
79 mm (3.11")	30392270

Channel Connector
Special connector fastens lab-frame rod to steel 41 mm
(1.61") channels. Loosen the connector and slide up or
down for easy adjustment of rod position.

30392261

Dimensions	Item No.
33 × 40 mm (1.3 × 1.58")	30392261

Horizontal Mounting Bars with Coupler
Threaded end for direct installation into channels.
Comes with spring coupler for use in steel 41 mm (1.61")
channels. Locking nut included. Use with steel channel
frames.

30392268

Bar Length	Item No.
51 mm (2")	30392266
102 mm (4")	30392267
152 mm (6")	30392268
203 mm (8")	30392269

Rods, Frames, & Supports

Lab Frame Foot

Stainless steel electro-polished finish or nickel-plated zinc construction. Strong, durable lab-frame foot is designed for mounting lab-frames permanently to bench tops, fume hoods, walls, and floors. Spilled fluids roll right off the smooth body contour, minimizing contamination and easing clean-ups. Features a set screw and includes three 19 mm (0.75") mounting screws.

30392356
(shown in stainless steel)

Material	Min. to Max. Grip Size	Dimensions (Dia. × H)	Item No.
Stainless steel	0 to 0.51" (0 to 13 mm)	2.3 × 1.25" (58 × 32 mm)	30392356
Nickel-plated zinc	0 to 0.51" (0 to 13 mm)	2.3 × 1.25" (58 × 32 mm)	30392263

Frame Rods

Everything you need to customize a lab-frame to your laboratory space. Quality construction throughout. Frame rods are available in many lengths and materials.

Aluminum
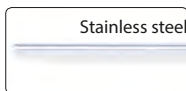
Stainless steel

Aluminum

Center-less ground for a precise fit. These hard aluminum rods provide a smooth fit with lab-frames.
Corrosion resistant with chamfered ends for easy location.

Stainless Steel

Heavy-duty, top-of-the-line rods provide maximum strength and durability.
Constructed of 303 stainless steel.

Material	Rod Diameter	Rod Length	Item No.
Stainless Steel	0.51" (13 mm)	1.61" (41 mm)	30392293
Stainless Steel	0.51" (13 mm)	2" (51 mm)	30392294
Stainless Steel	0.51" (13 mm)	6" (152 mm)	30392295
Stainless Steel	0.51" (13 mm)	12" (305 mm)	30392296
Stainless Steel	0.51" (13 mm)	18" (457 mm)	30392297
Stainless Steel	0.51" (13 mm)	24" (610 mm)	30392298
Stainless Steel	0.51" (13 mm)	36" (914 mm)	30392299
Stainless Steel	0.51" (13 mm)	48" (1219 mm)	30392300
Stainless Steel	0.51" (13 mm)	60" (1524 mm)	30392301
Stainless Steel	0.51" (13 mm)	72" (1829 mm)	30392302
Stainless Steel	0.51" (13 mm)	96" (2438 mm)	30392303
Aluminum	0.51" (13 mm)	1.61" (41 mm)	30392271
Aluminum	0.51" (13 mm)	2" (51 mm)	30392272
Aluminum	0.51" (13 mm)	6" (152 mm)	30392273
Aluminum	0.51" (13 mm)	12" (305 mm)	30392274
Aluminum	0.51" (13 mm)	18" (457 mm)	30392275
Aluminum	0.51" (13 mm)	24" (610 mm)	30392276
Aluminum	0.51" (13 mm)	36" (914 mm)	30392277
Aluminum	0.51" (13 mm)	48" (1219 mm)	30392278
Aluminum	0.51" (13 mm)	60" (1524 mm)	30392279
Aluminum	0.51" (13 mm)	72" (1829 mm)	30392280
Aluminum	0.51" (13 mm)	96" (2438 mm)	30392281

LabJaws Clamps & Supports
Rods, Frames, & Supports

LabJaws offers the widest choice of standard lab frames available, plus the accessories to custom-fit any laboratory with the right frame for the job. Standard Lab-Frame sets are available in five sizes. Options of traditional center-less ground aluminum, non-corroding fiberglass, or tough stainless steel rods are available. Nickel-plated zinc connectors and lab-frame feet are standard with all kits.

Small Lab-Frame
Vertical mounting, great for glassware set-ups in small laboratories or where space is limited. Frame measures 24 × 24" (610 × 610 mm). Base is 18" (457 mm) wide for stability. Base may be permanently mounted to bench top with screws (included).

Components:
- (8) 2" (51 mm) Rods
- (2) 18" (457 mm) Rods
- (8) 24" (610 mm) Rods
- (18) S-Connectors
- (4) Rod End Connectors
- (4) Lab-Frame Feet

Material	Frame Dimensions	Base Dimensions	Item No.
Stainless Steel	24 × 24" (610 × 610 mm)	18" (457 mm) wide	30392323
Aluminum	24 × 24" (610 × 610 mm)	18" (457 mm) wide	30392304

Rods, Frames, & Supports

Medium Lab-Frame

Horizontal or vertical mounting, convenient for distillation or general set-up. Frame measures 24 × 48" (610 × 1219 mm). Base is 18" (457 mm) wide for stability.

Components:

- (8) 2" (51 mm) Rods
- (2) 18" (457 mm) Rods
- (7) 24" (610 mm) Rods
- (4) 48" (1219 mm) Rods
- (35) S-Connectors
- (4) Rod End Connectors
- (4) Lab-Frame Feet

Material	Frame Dimensions	Base Dimensions	Item No.
Stainless Steel	24 × 48" (610 × 1219 mm)	18" (457 mm) wide	30392324
Aluminum	24 × 48" (610 × 1219 mm)	18" (457 mm) wide	30392305

LabJaws Clamps & Supports
Rods, Frames, & Supports

Large Lab-Frame
This 48 × 48" (1219 × 1219 mm) frame is ideal for complex glassware set-ups. Base is 18" (457 mm) wide for stability.

Components:
- (10) 2" (51 mm) rods
- (3) 18" (457 mm) rods
- (2) 36" (914 mm) rods
- (10) 48" (1219 mm) rods
- (38) S-Connectors
- (4) Rod End Connectors
- (6) Lab-Frame Feet

Material	Frame Dimensions	Base Dimensions	Item No.
Stainless Steel	48 × 48" (1219 × 1219 mm)	18" (457 mm) wide	30392325
Aluminum	48 × 48" (1219 × 1219 mm)	18" (457 mm) wide	30392306

Extra-Large Lab-Frame
Versatile, adaptable Extra-Large Lab-Frame measures 48 × 72" (1219 × 1829 mm) and may be used either horizontally or vertically.

Components:
- (6) 2" (51 mm) rods
- (6) 12" (305 mm) rods
- (2) 24" (610 mm) rods
- (7) 48" (1219 mm) rods
- (5) 72" (1829 mm) rods
- (45) S-Connectors
- (4) Rod End Connectors
- (8) Lab-Frame Feet

Material	Frame Dimensions	Stainless Steel Item No.
Stainless Steel	48 × 72" (1219 × 1829 mm)	30392326
Aluminum	48 × 72" (1219 × 1829 mm)	30392307

Rods, Frames, & Supports

Heavy-Duty Lab-Frame

Floor mounted, free-standing unit is specifically designed for heavy-duty work such as pilot plant set-ups. Outside frame is constructed of a strong, but lightweight steel channel. Interior lattice uses a horizontal channel connector; one end accommodates the rod, the other end fits into the channel and locks tightly with a bolt. Loosen the bolt, and the connector slides easily along the channel track for simple lattice adjustment. Entire apparatus is supported on sturdy, counter-weighted cast iron feet, which may be bolted to the floor for added stability required intop-heavy installations.

Components:

- (5) 48" (1219 mm) rods
- (3) 72" (1829 mm) rods
- (15) S-Connectors
- (16) Channel Connectors
- (24) Clamping Nuts
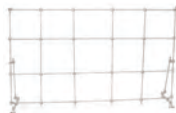- (2) 21.7" (551 mm) Cast Iron Feet
- (1) Frame Kit
- (1) Wrench

Material	Frame Dimensions	Overall Dimensions	Item No.
Stainless Steel	48 × 72" (1219 × 1829 mm)	75 × 72" (1905 × 1829 mm)	30392328
Aluminum	48 × 72" (1219 × 1829 mm)	75 × 72" (1905 × 1829 mm)	30392309

LabJaws Clamps & Supports
Rods, Frames, & Supports

Fume Hood Kits

Choose from four kits specifically designed to fit within laboratory fume hoods. All components are constructed of stainless steel with the exception of the Frame Connectors which are made of aluminum with a silicon finish.

4' (1.22 m) Fume Hood Kit		**5' (1.52 m) Fume Hood Kit**
Components:		Components:
• (8) 2" (51 mm) rods		• (8) 2" (51 mm) rods
• (2) 12" (305 mm) rods		• (2) 12" (305 mm) rods
• (2) 18" (457 mm) rods		• (2) 18" (457 mm) rods
• (4) 36" (914 mm) rods		• (5) 36" (914 mm) rods
• (4) 38" (965 mm) rods		• (4) 50" (1270 mm) rods
• (30) Frame Connectors		• (34) Frame Connectors
• (4) Rod End Connectors		• (4) Rod End Connectors
• (4) Lab-Frame Feet		• (4) Lab-Frame Feet
Frame: 36 × 38" (914 × 965 mm)		Frame: 36 × 50" (914 × 1270 mm)
Base: 12" (305 mm) wide		Base: 12" (305 mm) wide
Item No.	30392329	30392330

6' (1.83 m) Fume Hood Kit		**8' (2.44 m) Fume Hood Kit**
Components:		Components:
• (8) 2" (51 mm) rods		• (10) 2" (51 mm) rods
• (2) 12" (305 mm) rods		• (3) 12" (305 mm) rods
• (2) 18" (457 mm) rods		• (2) 18" (457 mm) rods
• (6) 36" (914 mm) rods		• (8) 36" (914 mm) rods
• (4) 62" (1575 mm) rods		• (4) 86" (2184 mm) rods
• (38) Frame Connectors		• (45) Frame Connectors
• (4) Rod End Connectors		• (4) Rod End Connectors
• (4) Lab-Frame Feet		• (6) Lab-Frame Feet
Frame: 36 × 62" (914 × 1575 mm)		Frame: 36 × 86" (914 × 2184 mm)
Base: 12" (305 mm) wide		Base: 12" (305 mm) wide
Item No.	30392331	30392332

Rods, Frames, & Supports

Support Stands

Support Stands are made entirely of 303 stainless steel. They have a durable base that can accommodate vessels up to 18" (457 mm) in diameter within the "U". The base area is 17.75" (451 mm) across × 10.5" (267 mm) deep overall. The stainless steel support rod is 0.63" (16 mm) in diameter and is screwed to the support base. Two additional threaded holes in the base legs accommodate rods, enabling the stand to support two mixers. The "U" shape of the base should be turned from the mixing apparatus when the two outside rods are in use. This balances the weight, preventing the base from tipping.

Description	Item No.
Support Stand with 23" (584 mm) Rod	30400030
Support Stand with 28" (711 mm) Rod	30400031
Support Stand with 36" (914 mm) Rod	30400032
Support Stand with 40" (1016 mm) Rod	30400033
Support Stand with 48" (1219 mm) Rod	30400034
Support Stand with 60" (1524 mm) Rod	30400035

Support Stand Stabilizer Knobs

Support Stand Stabilizer Knobs can be added to the two additional threaded holes in the base legs to secure the stand to a bench top.

Description	Item No.
Support Stand Stabilizer Knobs (2 per pack)	30400044

Heavy-Duty Support Stands

Heavy-Duty Support Stands have a four point cast iron base with stainless steel support rod. They are designed to accommodate vessels up to 12" (30.5 cm) in diameter to sit close to the support rod. They have rubber cushions on each of the four corners. The base area is 16.5" (41.9 cm) across × 12" (30.5 cm) deep overall.

Description	Item No.
Heavy-Duty Support Stand with 18" (457 mm) Rod	30392334
Heavy-Duty Support Stand with 23" (584 mm) Rod	30392335
Heavy-Duty Support Stand with 28" (711 mm) Rod	30392336
Heavy-Duty Support Stand with 36" (914 mm) Rod	30392337
Heavy-Duty Support Stand with 40" (1016 mm) Rod	30392338
Heavy-Duty Support Stand with 48" (1219 mm) Rod	30392339
Heavy-Duty Support Stand with 60" (1524 mm) Rod	30392340

LabJaws Clamps & Supports
Rods, Frames, & Supports

Replacement Support Rods

Description	Diameter	Item No.
18" (457 mm) Stainless Steel Rod	0.63" (16 mm)	30400036
23" (584 mm) Stainless Steel Rod	0.63" (16 mm)	30400037
28" (711 mm) Stainless Steel Rod	0.63" (16 mm)	30400038
36" (914 mm) Stainless Steel Rod	0.63" (16 mm)	30400039
40" (1016 mm) Stainless Steel Rod	0.63" (16 mm)	30400040
48" (1219 mm) Stainless Steel Rod	0.63" (16 mm)	30400041
60" (1524 mm) Stainless Steel Rod	0.63" (16 mm)	30400042

Cast Iron Support Stands
Cast iron support stand bases are constructed with black enamel finish for chemical resistance and durability. All bases feature a built-in support rod holder with locking knob that accepts a 0.51" (13 mm) diameter support rod. U-shaped base features three built-in support rod holders and accommodates vessels up to 5" (127 mm) in diameter. **NOTE:** Support rods are not included.

Rectangular Base Support Stand, Cast Iron

Description	Dimensions	Item No.
Rectangular Base (only)	4 × 6" (102 × 152 mm)	30392359
Rectangular Base (only)	5 × 8" (127 × 203 mm)	30392360
Rectangular Base (only)	6 × 9" (152 × 229 mm)	30392361
Rectangular Base (only)	8 × 10" (203 × 254 mm)	30392362

Tripod Base Support Stand, Cast Iron

Description	Overall Footprint Diameter	Item No.
Tripod Base (only)	14.75" (375 mm)	30392363

U-Shaped Base Support Stand, Cast Iron

Description	Dimensions	Item No.
U-Shaped Base (only)	7 × 7" (178 × 178 mm)	30392364

Rods, Frames, & Supports

Aluminum Support Rods

Description	Diameter	Item No.
12" (305 mm) Aluminum Rod	0.51" (13 mm)	30392274
18" (457 mm) Aluminum Rod	0.51" (13 mm)	30392275
24" (610 mm) Aluminum Rod	0.51" (13 mm)	30392276
36" (914 mm) Aluminum Rod	0.51" (13 mm)	30392277

Stainless Steel Support Rods

Description	Diameter	Item No.
12" (305 mm) Stainless Steel Rod	0.51" (13 mm)	30392296
18" (457 mm) Stainless Steel Rod	0.51" (13 mm)	30392297
24" (610 mm) Stainless Steel Rod	0.51" (13 mm)	30392298
36" (914 mm) Stainless Steel Rod	0.51" (13 mm)	30392299

Round Support Plate
Aluminum plate supports beakers, mantles and petri dishes. Fits standard lab-frames using connectors or holders, shown on pages 95-98.

Description	Distance from Rod	Item No.
6" (152 mm)	2.6" (66 mm)	30392342

Support Plates
Designed to hold hotplates, stirrers, hotplate-stirrers, and other apparatus to lab-frames or ring stands. Aluminum construction offers strength and durability. Support plates include a non-skid rubber mat and a built-in holder that grips rods up to 0.75" (19 mm) in diameter.

Size	Plate Dimensions	Distance from Rod	Item No.
Small	9.5 × 6.5" (241 × 165 mm)	1.9" (48 mm)	30392349
Medium	12.75 × 9" (324 × 229 mm)	1.9" (48 mm)	30392350
Large	15.75 × 12" (400 × 305 mm)	1.9" (48 mm)	30392351

LabJaws Clamps & Supports
Rods, Frames, & Supports

OHAUS Aluminum Lab-Lifts
- Exceptional stability and durability
- Aluminum construction
- Three convenient sizes

Aluminum Lab-Lifts provide stable height adjustment for various items in the lab such as flasks, baths, and small equipment. Top and bottom decks are constructed of anodized aluminum. Internal supports and drive screws are constructed of stainless steel. Oversized sure-grip adjustment knobs provide smooth and accurate height adjustment. Lab-Lifts accept optional Support Rod Kit which mounts to the upper deck.

Deck Size	Min. to Max. Height	Max. Load*	Item No.
4 × 4" (102 × 102 mm)	2.5 to 5" (64 to 127 mm)	66 lbs (29.94 kg)	30400007
6 × 6" (152 × 152 mm)	3 to 9.75" (76 to 248 mm)	132 lbs (59.87 kg)	30400008
8 × 8" (203 × 203 mm)	3 to 9.75" (76 to 248 mm)	176 lbs (79.83 kg)	30400009
10 × 10" (254 × 254 mm)	3.5 to 13" (89 to 330 mm)	186 lbs (84.37 kg)	30400010

*NOTE: Maximum load rating represents static weight only. Static weight is the amount a unit can hold, not lift.

OPTIONAL ACCESSORIES
17" Support Rod Kit
Ideal for creating an adjustable support stand for mounting various items such as thermometer clamps, temperature probes, flask and column clamps. This kit allows you to mount a 17" (432 mm) threaded vertical support rod to the upper deck of a 6 × 6", 8 × 8", 10 × 10", 12 × 12" or 16 × 16" Lab-Lift by screwing the rod into the pre-drilled hole.

17" Support Rod Kit includes:
- 1 - 17" (432 mm) Stainless Steel Rod
- 1 - Jam Nut
- 1 - Flat Washer

Description	Rod Diameter	Item No.
17" Support Rod Kit	0.51" (13 mm)	30400050

Rods, Frames, & Supports

OHAUS Heavy-Duty Lab-Lifts

- Stainless steel construction

- Seven convenient sizes to choose from

- Autoclavable and chemical resistant

These Heavy-Duty, Stainless Steel Lab-Lifts are ultra-stable lifting platforms with exceptional strength and durability. Constructed of stainless steel, Lab-Lifts are designed for use in extreme environments and high load applications. Equipped with oversized, sure-grip adjustment knobs that provide extra leverage for easy height adjustments. Durable construction allows lifts to be autoclaved or chemically cleaned. Ideal for use in fume hoods or bench tops and holds a variety of items such as glassware, hotplates, baths, and magnetic stirrers.

Deck Size	Min. to Max. Height	Max. Load*	Item No.
3 × 3" (76 × 76 mm)	2.5 to 5" (64 to 127 mm)	100 lbs (45.36 kg)	30400000
4 × 4" (102 × 102 mm)	2.5 to 5" (64 to 127 mm)	100 lbs (45.36 kg)	30400001
6 × 6" (152 × 152 mm)	3 to 9.75" (76 to 248 mm)	133 lbs (60.33 kg)	30400002
8 × 8" (203 × 203 mm)	3 to 9.75" (76 to 248 mm)	227 lbs (102.97 kg)	30400003
10 × 10" (254 × 254 mm)	3.5 to 13" (89 to 330 mm)	247 lbs (112.04 kg)	30400004
12 × 12" (305 × 305 mm)	4 to 19.5" (102 to 495 mm)	100 lbs (45.36 kg)	30400005
16 × 16" (406 × 406 mm)	4 to 19.5" (102 to 495 mm)	100 lbs (45.36 kg)	30400006

*NOTE: Maximum load rating represents static weight only. Static weight is the amount a unit can hold, not lift.

LabJaws Clamps & Supports
Rods, Frames, & Supports

OPTIONAL ACCESSORIES

17" Support Rod Kit

Ideal for creating an adjustable support stand for mounting various items such as thermometer clamps, temperature probes, flask and column clamps. This kit allows you to mount a 17" (432 mm) threaded vertical support rod to the upper deck of a 6 × 6", 8 × 8", 10 × 10", 12 × 12" or 16 × 16" Lab-Lift by screwing the rod into the pre-drilled hole.

17" Support Rod Kit includes:

- 1 - 17" (432 mm) Stainless Steel Rod

- 1 - Jam Nut

- 1 - Flat Washer

Description	Rod Diameter	Item No.
17" Support Rod Kit	0.51" (13 mm)	30400050

Ratchet Tool

Designed to add extra leverage to your 12 × 12" or 16 × 16" Lab-Lift. This recommended Ratchet Tool easily attaches to the actuating rod to allow easy, accurate adjustments.

Description	Item No.
Ratchet Tool	30400049

Rods, Frames, & Supports

Cylinder Bench Clamps

Rugged cast aluminum clamps safely secure gas cylinders to benches, tables or other flat surfaces up to 2.5" (64 mm) thick. The 1" (25 mm) wide, 54" (1372 mm) long nylon strap features a nickel-plated, non-slip spring catch and buckle for easy adjustment around cylinders from 4 to 14" (102 to 356 mm) in diameter. Models 711 and 716 available with or without a "Secure Cylinder" safety message strap.

safety message strap

Model 711 Bench Clamp

This bench clamp has a large tightening handle for mounting to any flat surface up to 2.5" (64 mm) thick. A nylon pad prevents damage to the bench or table surface. Two tapered mounting screw holes are provided for permanent attachment to bench-top.

Description	Dimensions L × W × H (closed)	Cylinder Diameter	Item No.
Model 711 Bench Clamp with Strap	3.25 × 5.25 × 6.5" (83 × 133 × 165 mm)	4 to 14" (102 to 356 mm)	30400020
Model 711 Bench Clamp with Safety Message Strap	3.25 × 5.25 × 6.5" (83 × 133 × 165 mm)	4 to 14" (102 to 356 mm)	30400021

LabJaws Clamps & Supports
Rods, Frames, & Supports

Model 716 Bench Clamp

This bench clamp is similar to Model 711, but includes a sturdy safety chain for extra security. Chain measures 49" (1245 mm).

safety message strap

Description	Dimensions L × W × H (closed)	Cylinder Diameter	Item No.
Model 716 Bench Clamp with Strap & Chain	3.25 × 5.25 × 6.5" (83 × 133 × 165 mm)	4 to 14" (102 to 356 mm)	30400026
Model 716 Bench Clamp with Safety Message Strap & Chain	3.25 × 5.25 × 6.5" (83 × 133 × 165 mm)	4 to 14" (102 to 356 mm)	30400027

Model 712 Heavy-Duty Bench Clamp

This bench clamp has two screw clamps to tighten for extra firm mounting to any flat surface up to 1.75" (45 mm) thick with a 1.25" (32 mm) overhang. Especially convenient for temporary storage situations. Rugged cast aluminum bench clamp features a 1" (25 mm) wide, 54" (1372 mm) long nylon strap with nickel-plated, non-slip spring catch buckle to hold cylinders from 4 to 14" (102 to 356 mm) in diameter. This clamp is not available with a safety message strap.

Description	Dimensions L × W × H (closed)	Cylinder Diameter	Item No.
Model 712 Heavy-Duty Bench Clamp with Strap	3.25 × 6 × 4.5" (83 × 152 × 114 mm)	4 to 14" (102 to 356 mm)	30400022

Rods, Frames, & Supports

Model 715 Wall Bracket

Cylinder wall-mount brackets are constructed of cast aluminum and contoured to allow cylinders to fit firmly along the support edge. Recessed screw holes at each side of the bracket allow for easy wall mounting. Features a 1" (25 mm) wide, 54" (1372 mm) long nylon strap with nickel-plated, non-slip spring catch and buckle for fast, easy adjustment. Available with or without a "Secure Cylinder" safety message strap. For cylinders from 4 to 14" (102 to 356 mm) in diameter.

safety message strap

Description	Dimensions L × W × H	Cylinder Diameter	Item No.
Model 715 Wall Bracket with Strap	1.88 × 8.13 × 4.63" (48 × 206 × 118 mm)	4 to 14" (102 to 356 mm)	30400024
Model 715 Wall Bracket with Safety Message Strap	1.88 × 8.13 × 4.63" (48 × 206 × 118 mm)	4 to 14" (102 to 356 mm)	30400025

Model 717 Wall Bracket

This wall bracket is similar to Model 715, but includes a sturdy safety chain for extra security. Chain measures 49" (1245 mm).

safety message strap

Description	Dimensions L × W × H	Cylinder Diameter	Item No.
Model 717 Wall Bracket with Strap & Chain	1.88 × 8.13 × 4.63" (48 × 206 × 118 mm)	4 to 14" (102 to 356 mm)	30400028
Model 717 Wall Bracket with Safety Message Strap & Chain	1.88 × 8.13 × 4.63" (48 × 206 × 118 mm)	4 to 14" (102 to 356 mm)	30400029

LabJaws Clamps & Supports
Rods, Frames, & Supports

Model 701 PVC Coated Stand

The PVC coated stand has a flat bottom support so it can't "ride up" on the cylinder. Includes an adjustable 1" (25 mm) wide, 54" (1372 mm) long nylon strap with nickel-plated, non-slip spring catch and buckle for fast, easy adjustment to keep the cylinder safely in place against upper support bar. Lower support bar stops cylinder shift. The PVC coating prevents marring of the cylinder surface. This clamp is not available with a safety message strap.

Description	Dimensions L × W × H	Cylinder Diameter	Item No.
Model 701 PVC Coated Stand	17.25 × 17.25 × 10.75" (438 × 438 × 273 mm)	7 to 10" (178 × 254 mm)	30400017

Model 703 Stand

This cast aluminum stand hinges open and has 4 thumbscrews to tightly grip cylinders from 8 to 9" (203 to 229 mm) in diameter.

Description	Dimensions (Dia. × H)	Cylinder Diameter	Item No.
Model 703 Stand	18.25 × 6" (464 × 152 mm)	8 to 9" (203 × 229 mm)	30400018

Rods, Frames, & Supports

Model 704 Adjustable Stand

Heavy-duty, cast aluminum stand with adjustable "L" brackets hold cylinders from 6 to 9.25" (152 to 235 mm) in diameter. Hinges open for installation without lifting the cylinder or disturbing connections. Prevents accidental tipping. Hinges open for easy, no-lifting installation.

Description	Dimensions (Dia. × H)	Cylinder Diameter	Item No.
Model 704 Adjustable Stand	18.5 × 7.5" (470 × 191 mm)	6 to 9.25" (152 × 235 mm)	30400019

Model 713 Portable Stand

This cast iron portable cylinder stand offers a sturdy cylinder stand and a convenient cylinder dolly all-in-one. This cylinder stand is designed in two interlocking halves and can be installed without lifting the tank. Built-in rubber wheels for easy mobility. Three thumbscrews tightly grip cylinder.

Description	Dimensions (Dia. × H)	Cylinder Diameter	Item No.
Model 713 Portable Stand	15.5 × 3" (394 × 76 mm)	7 to 9.25" (178 × 235 mm)	30400023

LabJaws Clamps & Supports
Flow Control Clamps

LabJaws flow control devices offer selection and quality.
They are finely machined to deliver accurate regulation or
interruption of fluid flow. Every flow control device resists
corrosion and rust. Hosecocks offer easy one-hand operation.
Convex bearing surfaces and rounded edges protect tubing.
Pinchcocks are designed to quickly start and stop flow
and provide complete closure without damaging tubing.
Operated with a simple squeeze. Nickel-plated construction
(unless otherwise noted).

Regular Hosecock
Adjustment screw with oversized head for accurate
regulation. Built-in side lugs for foot mounting.
Tubing retainer screw.

Material	Min. to Max. Grip	Dimensions (W × H - open)	Item No.
Stainless Steel	0 to 17 mm (0 to 0.67")	37 × 62 mm (1.46 × 2.44")	30392221
Nickel-Plated Zinc	0 to 17 mm (0 to 0.67")	37 × 62 mm (1.46 × 2.44")	30392210

30392221

Heavy-Duty Hosecock
Large hand wheel for ease of flow adjustment. Unique
design offers unparalleled control.
Works well with heavy cut nylon braided tubing.

Min. to Max. Grip	Dimensions (W × H - open)	Item No.
0 to 29 mm (0 to 1.14")	57 × 106 mm (2.24 × 4.17")	30392310

30392310

Hosecock Extension Clamp
Similar to regular hosecock but with 145 mm (5.7") bottom
mounted extension rod for attachment to frames and rods.

Min. to Max. Grip	Arm Length	Arm Dia.	Overall Length	Item No.
0 to 17 mm (0 to 0.67")	145 mm (5.71")	8 mm (0.32")	175 mm (6.89")	30392212

30392212

Flow Control Clamps

Hosecock Foot
Add this option to Regular Hosecock (916062 or 916361) for bench or table mounting.
Includes two mounting screws.

30392211

Diameter	Item No.
27 mm (1.06")	30392211

Regular Pinchcock
For routine stop/start flow operation.

30392245

Min. to Max. Grip	Clamp Height	Item No.
0 to 12 mm (0 to 0.47")	47 mm (1.85")	30392245

Variable Flow Pinchcock
For precise flow adjustment and duplication of flow rates.

Min. to Max. Grip	Clamp Height	Item No.
0 to 13 mm (0 to 0.51")	47 mm (1.85")	30392247

Heavy-Duty Pinchcock
Equipped with heavy-duty spring for tough jobs. Ensures complete closure.

30392246

Min. to Max. Grip	Clamp Height	Item No.
0 to 11 mm (0 to 0.43")	48 mm (1.89")	30392246

LabJaws Clamps & Supports
Misc. Non-Electrical Products

Inoculating Turntables

OHAUS hand-operated inoculating turntables produce almost concentric circles of bacterial colonies that are evenly distributed across petri dishes. Cast iron turntables are coated with gray baked acrylic enamel.

The 76 mm (3") high, small turntable accommodates 100 mm petri dishes. It has a tripod base to bring work approximately to eye level. It has a center disk covered with non-skid rubber lining.

The large turntable accommodates 100 mm or 150 mm petri dishes. It has a height of only 32 mm (1.26"), ideal for steadying a forearm on the work surface while plating. The large turntable contains two circular sections. The top section has a raised gripper lip as well as a recessed center disk covered with non-skid rubber lining.

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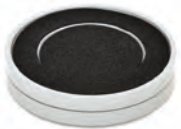
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Description	Dimensions (Dia. × H)	Item No.
Small Turntable	4.49 × 3.03" (114 × 77 mm)	30400046
Large Turntable	5.91 × 1.26" (150 × 32 mm)	30400047

Slide Staining Rack

Constructed of stainless steel, the OHAUS Slide Staining Rack will resist corrosion under normal use. Adjustable to fit trays or sinks up to 533 mm (21") inside.

30400048

Description	Dimensions (L × W)	Item No.
Slide Staining Rack	23.74 × 3.5" (603 × 89 mm)	30400048

Airejector

Rapid air removal evacuates 1 liter of air to 711 mm (28") of vacuum in 30 seconds. Works with compressed air sources to 60 psi. Nickel-plated construction.

30392367

Description	Length	Item No.
Airejector	5.51" (140 mm)	30392367

Ingeniously Practical