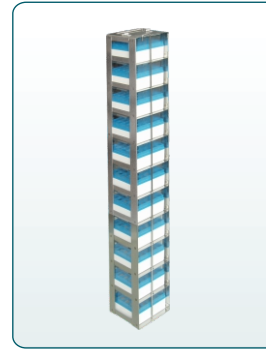


Vertical Mini Racks for Chest Freezer & Liquid Nitrogen Tanks

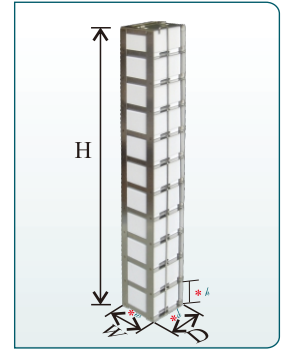
(Locking Rod Included)

For 2" Mini Boxes

- ◆ Racks are for mini 2" cardboard or polycarbonate boxes.
- ◆ Made of corrosion resistant stainless steel.
- ◆ Security lock devices are available for each rack.



Rack w/Polycarbonate Plastic Box



Rack w/Cardboard Box

Part Number	Description	Dimension H x W x D	Compartment Size h x w x d	Capacity (Box)	Lock Device Option**	Shipping Weight lb(Kg)
MCF-3-2	Rack Only	6 ⁷ / ₈ x 3 ³ / ₈ x 3 ¹ / ₄ inch 175 x 86 x 82 mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 55 x 78 x 78 mm	3	DR-06	0.7(0.32)
MCF-4-2	Rack Only	9 ¹ / ₈ x 3 ³ / ₈ x 3 ¹ / ₄ inch 231 x 86 x 82 mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 55 x 78 x 78 mm	4	DR-09	0.9(0.42)
MCF-5-2	Rack Only	11 ¹ / ₄ x 3 ³ / ₈ x 3 ¹ / ₄ inch 286 x 86 x 82 mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 55 x 78 x 78 mm	5	DR-11	1.1(0.49)
MCF-6-2	Rack Only	13 ³ / ₁₆ x 3 ³ / ₈ x 3 ¹ / ₄ inch 342 x 86 x 82 mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 55 x 78 x 78 mm	6	DR-13	1.3(0.58)
MCF-7-2	Rack Only	15 ¹ / ₁₆ x 3 ³ / ₈ x 3 ¹ / ₄ inch 398 x 86 x 82 mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 55 x 78 x 78 mm	7	DR-15	1.5(0.66)
MCF-8-2	Rack Only	17 ⁷ / ₈ x 3 ³ / ₈ x 3 ¹ / ₄ inch 454 x 86 x 82 mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 55 x 78 x 78 mm	8	DR-17	1.7(0.76)
MCF-9-2	Rack Only	20 ¹ / ₁₆ x 3 ³ / ₈ x 3 ¹ / ₄ inch 510 x 86 x 82 mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 55 x 78 x 78 mm	9	DR-19	1.9(0.84)
MCF-10-2	Rack Only	22 ⁵ / ₁₆ x 3 ³ / ₈ x 3 ¹ / ₄ inch 566 x 86 x 82 mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 55 x 78 x 78 mm	10	DR-22	2.0(0.92)
MCF-11-2	Rack Only	24 ¹ / ₂ x 3 ³ / ₈ x 3 ¹ / ₄ inch 622 x 86 x 82 mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 55 x 78 x 78 mm	11	DR-23	2.2(1.00)
MCF-12-2	Rack Only	26 ⁵ / ₈ x 3 ³ / ₈ x 3 ¹ / ₄ inch 677 x 86 x 82 mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 55 x 78 x 78 mm	12	DR-26	2.4(1.08)
MCF-13-2	Rack Only	28 ¹ / ₂ x 3 ³ / ₈ x 3 ¹ / ₄ inch 724 x 86 x 82 mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 54.5 x 78 x 78 mm	13	DR-27	2.6(1.16)
MCF-13-2-X*	Rack w/ 2" box and divider					2.6(1.16)+13ω ^{1***}
MCF-14-2	Rack Only	31 ¹ / ₁₆ x 3 ³ / ₈ x 3 ¹ / ₄ inch 789 x 86 x 82 mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 55 x 78 x 78 mm	14	DR-31	2.7(1.24)
MCF-14-2-X*	Rack w/ 2" box and divider					2.7(1.24)+14ω ^{1***}
MCF-15-2	Rack Only	33 ³ / ₄ x 3 ³ / ₈ x 3 ¹ / ₄ inch 845 x 86 x 82 mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 55 x 78 x 78 mm	15	DR-32	2.9(1.33)

* To order replace X with B-Cardboard Mini Box with 25 cell divider or P- Mini Polycarbonate Box with 25 cell divider.

** Lock device is ordered separately.

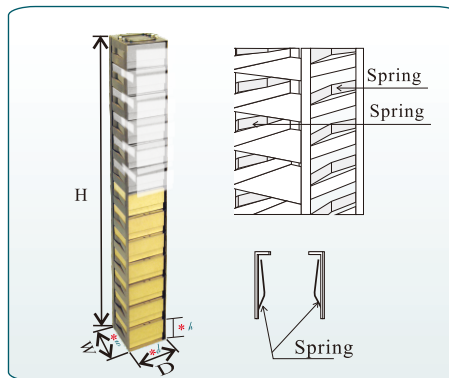
*** ω¹=0.09lb(0.04kg) for cardboard box, 0.37lb(0.17kg) for plastic box.

Mini Spring Clip Vertical Racks for Chest Freezer & Liquid Nitrogen Tanks

(Locking Rod Included)

For 2" Mini Boxes

- ◆ Racks are for mini 2" cardboard or polycarbonate boxes.
- ◆ Made of corrosion resistant stainless steel.
- ◆ Spring clips securely hold boxes in rack compartments without using locking rods and allow for easy removal of boxes.
- ◆ Security lock devices are available for each rack.



Part Number	Description	Dimension H x W x D	Compartment Size h x w x d	Capacity (Box)	Lock Device Option*	Shipping Weight lb(Kg)
MCF-9-2-S	Rack Only	20 ¹ / ₁₆ x 3 ³ / ₈ x 3 ¹ / ₄ inch 509 x 86 x 82mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 55 x 77 x 77 mm	9	DR-19	2.1(0.94)
MCF-10-2-S	Rack Only	22 ¹ / ₄ x 3 ³ / ₈ x 3 ¹ / ₄ inch 565 x 86 x 82mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 55 x 77 x 77 mm	10	DR-22	2.3(1.04)
MCF-11-2-S	Rack Only	24 ⁷ / ₁₆ x 3 ³ / ₈ x 3 ¹ / ₄ inch 621 x 86 x 82mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 55 x 77 x 77 mm	11	DR-23	2.5(1.14)
MCF-12-2-S	Rack Only	26 ⁵ / ₈ x 3 ³ / ₈ x 3 ¹ / ₄ inch 676 x 86 x 82mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 55 x 77 x 77 mm	12	DR-26	2.7(1.24)
MCF-13-2-S	Rack Only	28 ⁷ / ₁₆ x 3 ³ / ₈ x 3 ¹ / ₄ inch 723 x 86 x 82mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 54.5 x 77 x 77 mm	13	DR-27	2.9(1.33)
MCF-14-2-S	Rack Only	31 x 3 ³ / ₈ x 3 ¹ / ₄ inch 788 x 86 x 82mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 55 x 77 x 77 mm	14	DR-31	3.1(1.42)
MCF-15-2-S	Rack Only	33 ¹ / ₄ x 3 ³ / ₈ x 3 ¹ / ₄ inch 844 x 86 x 82mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 55 x 77 x 77 mm	15	DR-32	3.4(1.52)

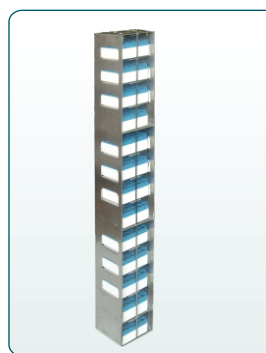
* Lock device is ordered separately.

Vertical Aluminum Mini Racks for Chest Freezer & Liquid Nitrogen Tanks

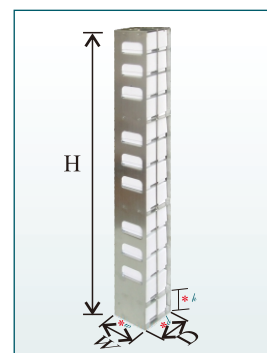
(Locking Rod Included)

For 2" Mini Boxes

- ◆ Racks are for mini 2" cardboard, polycarbonate boxes.
- ◆ Made of aluminum, these racks offer better temperature uniformity in vapor phase in liquid nitrogen tanks and are ideal for long term storage of samples that are accessed infrequently.
- ◆ Security lock devices are available for each rack.



Rack w/Polycarbonate Plastic Box



Rack w/Cardboard Box

Part Number	Description	Dimension H x W x D	Compartment Size h x w x d	Capacity (Box)	Lock Device Option*	Shipping Weight lb(Kg)
MCFA-9-2	Rack Only	20 ¹ / ₁₆ x 3 ³ / ₈ x 3 ¹ / ₄ inch 509 x 86 x 82 mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 54.5 x 77 x 77 mm	9	DR-19	1.3(0.61)
MCFA-10-2	Rack Only	22 ¹ / ₄ x 3 ³ / ₈ x 3 ¹ / ₄ inch 565 x 86 x 82 mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 54.5 x 77 x 77 mm	10	DR-22	1.5(0.66)
MCFA-11-2	Rack Only	24 ⁷ / ₁₆ x 3 ³ / ₈ x 3 ¹ / ₄ inch 621 x 86 x 82 mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 54.5 x 77 x 77 mm	11	DR-23	1.6(0.73)
MCFA-12-2	Rack Only	26 ⁵ / ₈ x 3 ³ / ₈ x 3 ¹ / ₄ inch 676 x 86 x 82 mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 54.5 x 77 x 77 mm	12	DR-26	1.7(0.76)
MCFA-13-2	Rack Only	28 ⁷ / ₁₆ x 3 ³ / ₈ x 3 ¹ / ₄ inch 723 x 86 x 82 mm	2 ¹ / ₈ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 54 x 77 x 77 mm	13	DR-27	1.9(0.87)
MCFA-14-2	Rack Only	31 x 3 ³ / ₈ x 3 ¹ / ₄ inch 788 x 86 x 82 mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 54.5 x 77 x 77 mm	14	DR-31	2.0(0.92)
MCFA-15-2	Rack Only	33 ¹ / ₄ x 3 ³ / ₈ x 3 ¹ / ₄ inch 844 x 86 x 82 mm	2 ³ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹ / ₁₆ inch 54.5 x 77 x 77 mm	15	DR-32	2.2(1.02)

* Lock device is ordered separately.