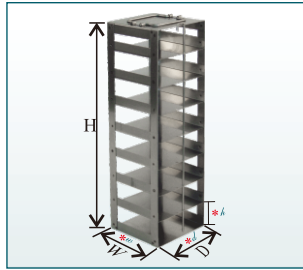


Vertical Racks for Chest Freezer & Liquid Nitrogen Tanks

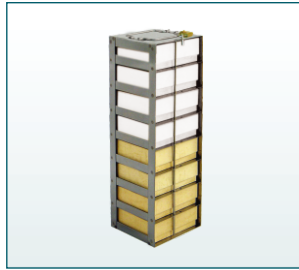
(Locking Rod Included)

For Standard 2" Boxes

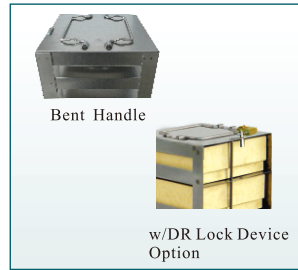
- ◆ Racks are for standard 2" cardboard (white or yellow), plastic (Polypropylene or polycarbonate) or metal (stainless or aluminum) boxes.
- ◆ Constructed of corrosion resistant stainless steel.
- ◆ Security lock devices are available for each rack.



Rack Only



Rack w/Cardboard Box

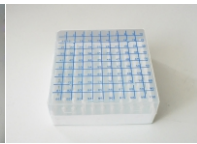


Bent Handle

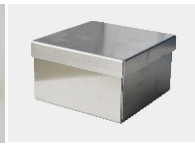
w/DR Lock Device Option



White 2" Cardboard Box



Polycarbonate Plastic Box



Metal Box
S-Stainless Steel
A-Aluminum

[Check page 108 for Boxes]

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)
CF-3-2	Rack Only	6 ⁷ / ₈ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 175 x 143 x 140 mm	2 ³ / ₁₆ x 5 ⁵ / ₁₆ x 5 ³ / ₈ inch 55 x 134.5 x 136 mm	3	DR-06	1.4(0.64)
CF-4-2	Rack Only	9 ¹ / ₈ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 231 x 143 x 140 mm	2 ³ / ₁₆ x 5 ⁵ / ₁₆ x 5 ³ / ₈ inch 55 x 134.5 x 136 mm	4	DR-09	1.9(0.85)
CF-5-2	Rack Only	11 ⁵ / ₁₆ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 287 x 143 x 140 mm	2 ³ / ₁₆ x 5 ⁵ / ₁₆ x 5 ³ / ₈ inch 55 x 134.5 x 136 mm	5	DR-11	2.2(1.01)
CF-6-2	Rack Only	13 ¹ / ₂ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 343 x 143 x 140 mm	2 ³ / ₁₆ x 5 ⁵ / ₁₆ x 5 ³ / ₈ inch 55 x 134.5 x 136 mm	6	DR-12	2.6(1.16)
CF-7-2	Rack Only	15 ¹¹ / ₁₆ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 399 x 143 x 140 mm	2 ³ / ₁₆ x 5 ⁵ / ₁₆ x 5 ³ / ₈ inch 55 x 134.5 x 136 mm	7	DR-15	2.9(1.30)
CF-8-2	Rack Only	17 ⁷ / ₈ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 454 x 143 x 140 mm	2 ³ / ₁₆ x 5 ⁵ / ₁₆ x 5 ³ / ₈ inch 55 x 134.5 x 136 mm	8	DR-17	3.2(1.46)
CF-9-2	Rack Only	20 ¹ / ₁₆ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 510 x 143 x 140 mm	2 ³ / ₁₆ x 5 ⁵ / ₁₆ x 5 ³ / ₈ inch 55 x 134.5 x 136 mm	9	DR-19	3.5(1.60)
CF-10-2	Rack Only	22 ⁵ / ₁₆ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 566 x 143 x 140 mm	2 ³ / ₁₆ x 5 ⁵ / ₁₆ x 5 ³ / ₈ inch 55 x 134.5 x 136 mm	10	DR-22	3.9(1.76)
CF-11-2	Rack Only	24 ¹ / ₂ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 622 x 143 x 140 mm	2 ³ / ₁₆ x 5 ⁵ / ₁₆ x 5 ³ / ₈ inch 55 x 134.5 x 136 mm	11	DR-23	4.2(1.91)
CF-11-2-W-XX*	Rack w/2" box and divider					4.2(1.91)+11ω ^{***}
CF-12-2	Rack Only	26 ⁵ / ₈ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 677 x 143 x 140 mm	2 ³ / ₁₆ x 5 ⁵ / ₁₆ x 5 ³ / ₈ inch 55 x 134.5 x 136 mm	12	DR-26	4.6(2.07)
CF-12-2-W-XX*	Rack w/2" box and divider					4.6(2.07)+12ω ^{***}
CF-13-2	Rack Only	28 ¹ / ₂ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 724 x 143 x 140 mm	2 ³ / ₁₆ x 5 ⁵ / ₁₆ x 5 ³ / ₈ inch 54.6 x 134.5 x 136 mm	13	DR-27	4.9(2.21)
CF-13-2-W-XX*	Rack w/2" box and divider					4.9(2.21)+13ω ^{***}
CF-14-2	Rack Only	31 ¹ / ₁₆ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 789 x 143 x 140 mm	2 ³ / ₁₆ x 5 ⁵ / ₁₆ x 5 ³ / ₈ inch 55 x 134.5 x 136 mm	14	DR-31	5.2(2.37)
CF-14-2-W-XX*	Rack w/2" box and divider					5.2(2.37)+14ω ^{***}
CF-15-2	Rack Only	33 ¹ / ₄ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 845 x 143 x 140 mm	2 ³ / ₁₆ x 5 ⁵ / ₁₆ x 5 ³ / ₈ inch 55 x 134.5 x 136 mm	15	DR-32	5.6(2.52)
CF-15-2-W-XX*	Rack w/2" box and divider					5.6(2.52)+15ω ^{***}

* To order, replace XX with either 81 or 100 cell divider.

** Lock device is ordered separately.

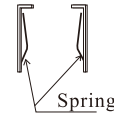
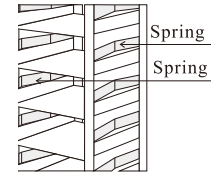
*** ω¹=0.221b(0.1kg) for cardboard box, 0.371b(0.17kg) for plastic box, 0.841b(0.38kg) for stainless steel box, 0.531b(0.24kg) for aluminum box.

Spring Clip Vertical Racks for Chest Freezer & Liquid Nitrogen Tanks

(Locking Rod Included)

For Standard 2" Boxes

- ◆ Racks are for standard 2" cardboard (white or yellow), plastic (Polypropylene or polycarbonate) or metal (stainless or aluminum) 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.



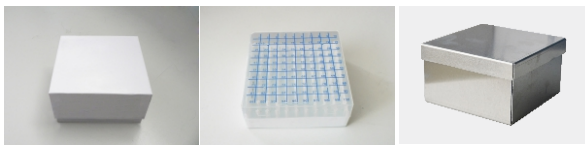
Rack Only

Rack w/Cardboard Box

Rack w/Polycarbonate Plastic Box

Rack w/Metal Box

w/DR Lock Device Option



White 2" Cardboard Box

Polycarbonate Plastic Box

Metal Box
S-Stainless Steel
A-Aluminum

[Check page 108 for Boxes]

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)
CF-9-2-S	Rack Only	20 ¹ / ₁₆ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 510 x 143 x 140 mm	2 ³ / ₁₆ x 5 ⁵ / ₁₆ x 5 ⁵ / ₁₆ inch 55 x 134.5 x 135 mm	9	DR-19	4.1(1.84)
CF-10-2-S	Rack Only	22 ⁵ / ₁₆ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 566 x 143 x 140 mm	2 ³ / ₁₆ x 5 ⁵ / ₁₆ x 5 ⁵ / ₁₆ inch 55 x 134.5 x 135 mm	10	DR-22	4.4(2.01)
CF-11-2-S	Rack Only	24 ¹ / ₂ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 622 x 143 x 140 mm	2 ³ / ₁₆ x 5 ⁵ / ₁₆ x 5 ⁵ / ₁₆ inch 55 x 134.5 x 135 mm	11	DR-23	4.8(2.18)
CF-12-2-S	Rack Only	26 ⁵ / ₈ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 677 x 143 x 140 mm	2 ³ / ₁₆ x 5 ⁵ / ₁₆ x 5 ⁵ / ₁₆ inch 55 x 134.5 x 135 mm	12	DR-26	5.2(2.37)
CF-12-2-S-W-XX [†]	Rack w/2" box and divider					5.2(2.37)+12ω ^{†***}
CF-13-2-S	Rack Only	28 ¹ / ₂ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 724 x 143 x 140 mm	2 ³ / ₁₆ x 5 ⁵ / ₁₆ x 5 ⁵ / ₁₆ inch 54.6 x 134.5 x 135 mm	13	DR-27	5.6(2.53)
CF-13-2-S-W-XX [†]	Rack w/2" box and divider					5.6(2.53)+13ω ^{†***}
CF-14-2-S	Rack Only	31 ¹ / ₁₆ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 789 x 143 x 140 mm	2 ³ / ₁₆ x 5 ⁵ / ₁₆ x 5 ⁵ / ₁₆ inch 55 x 134.5 x 135 mm	14	DR-31	6.0(2.72)
CF-14-2-S-W-XX [†]	Rack w/2" box and divider					6.0(2.72)+14ω ^{†***}
CF-15-2-S	Rack Only	33 ¹ / ₄ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 845 x 143 x 140 mm	2 ³ / ₁₆ x 5 ⁵ / ₁₆ x 5 ⁵ / ₁₆ inch 55 x 134.5 x 135 mm	15	DR-32	6.4(2.90)
CF-15-2-S-W-XX [†]	Rack w/2" box and divider					6.4(2.90)+15ω ^{†***}

* To order, replace XX with either 81 or 100 cell divider.

** Lock device is ordered separately.

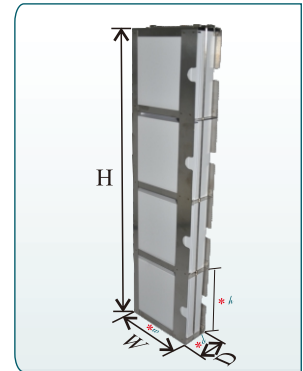
*** ω[†]=0.221lb(0.1kg) for cardboard box, 0.371lb(0.17kg) for plastic box, 0.841lb(0.38kg) for stainless steel box, 0.531lb(0.24kg) for aluminum box.

Vertical Half Racks

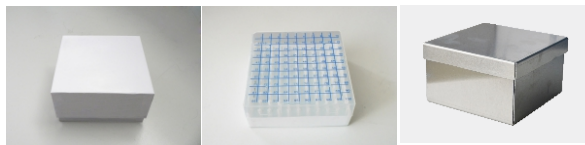
(Locking Rod Included)

For Standard 2" Boxes

- ◆ Racks are for standard 2" cardboard (white or yellow), plastic (polypropylene or polycarbonate) or metal (stainless or aluminum) boxes.
- ◆ Made of corrosion resistant stainless steel.
- ◆ Racks are ideal for light load and easy handling of sample storage in freezers or liquid nitrogen tanks.
- ◆ Locking rod is included for each rack.



Rack w/Cardboard Boxes



White 2" Cardboard Box

Polycarbonate Plastic Box

Metal Box
S-Stainless Steel
A-Aluminum

[Check page 108 for Boxes]

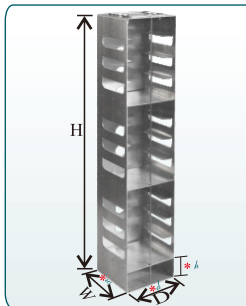
Part Number	Description	Dimension H x D x W	Compartment Size h x d x w	Capacity (Box)	Shipping Weight lb(kg)
LR-3-2	Rack Only	16 ¹ / ₂ x 2 ¹ / ₄ x 5 ⁹ / ₁₆ inch 419 x 57 x 141 mm	5 ³ / ₈ x 2 ¹ / ₈ x 5 ¹ / ₄ inch 137 x 54.4 x 133 mm	3	1.2(0.56)
LR-4-2	Rack Only	21 ¹⁵ / ₁₆ x 2 ¹ / ₄ x 5 ⁹ / ₁₆ inch 557 x 57 x 141 mm	5 ³ / ₈ x 2 ¹ / ₈ x 5 ¹ / ₄ inch 137 x 54.4 x 133 mm	4	1.6(0.71)
LR-5-2	Rack Only	26 ³ / ₄ x 2 ¹ / ₄ x 5 ⁹ / ₁₆ inch 679 x 57 x 141 mm	5 ⁵ / ₁₆ x 2 ¹ / ₈ x 5 ¹ / ₄ inch 134.5 x 54.4 x 133 mm	5	1.9(0.86)
LR-6-2	Rack Only	32 ¹³ / ₁₆ x 2 ¹ / ₄ x 5 ⁹ / ₁₆ inch 817 x 57 x 141 mm	5 ⁵ / ₁₆ x 2 ¹ / ₈ x 5 ¹ / ₄ inch 134.5 x 54.4 x 133 mm	6	2.2(1.02)

Vertical Aluminum Racks for Chest Freezer & Liquid Nitrogen Tanks

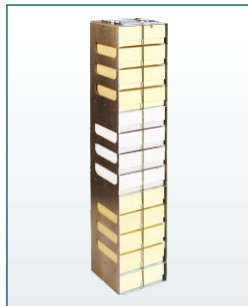
(Locking Rod Included)

For Standard 2" Boxes

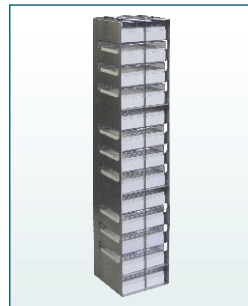
- ◆ Racks are for standard 2" cardboard (white or yellow), plastic (polypropylene or polycarbonate) or metal (stainless or aluminum) boxes.
- ◆ Made of aluminum, these racks offer better temperature uniformity in vapor phase in liquid nitrogen tank and are ideal for long term storage of samples that are accessed infrequently.
- ◆ Security lock devices are available for each rack.



Rack Only



Rack w/Cardboard Box



Rack w/Polycarbonate Plastic Box



Rack w/DR Device Option

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)
CFA-3-2	Rack Only	6 ⁷ / ₈ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 175 x 143 x 140 mm	2 ³ / ₁₆ x 5 ¹ / ₄ x 5 ⁵ / ₁₆ inch 54.5 x 133.6 x 135 mm	3	DR-06	1.0(0.45)
CFA-4-2	Rack Only	9 ¹ / ₈ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 231 x 143 x 140 mm	2 ³ / ₁₆ x 5 ¹ / ₄ x 5 ⁵ / ₁₆ inch 54.5 x 133.6 x 135 mm	4	DR-09	1.1(0.52)
CFA-5-2	Rack Only	11 ⁵ / ₁₆ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 287 x 143 x 140 mm	2 ³ / ₁₆ x 5 ¹ / ₄ x 5 ⁵ / ₁₆ inch 54.5 x 133.6 x 135 mm	5	DR-11	1.3(0.59)
CFA-6-2	Rack Only	13 ⁷ / ₁₆ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 342 x 143 x 140 mm	2 ³ / ₁₆ x 5 ¹ / ₄ x 5 ⁵ / ₁₆ inch 54.5 x 133.6 x 135 mm	6	DR-13	1.6(0.74)
CFA-7-2	Rack Only	15 ¹¹ / ₁₆ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 398 x 143 x 140 mm	2 ³ / ₁₆ x 5 ¹ / ₄ x 5 ⁵ / ₁₆ inch 54.5 x 133.6 x 135 mm	7	DR-15	1.8(0.82)
CFA-8-2	Rack Only	17 ⁷ / ₈ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 454 x 143 x 140 mm	2 ³ / ₁₆ x 5 ¹ / ₄ x 5 ⁵ / ₁₆ inch 54.5 x 133.6 x 135 mm	8	DR-17	2.1(0.94)
CFA-9-2	Rack Only	20 ¹ / ₁₆ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 510 x 143 x 140 mm	2 ³ / ₁₆ x 5 ¹ / ₄ x 5 ⁵ / ₁₆ inch 54.5 x 133.6 x 135 mm	9	DR-20	2.4(1.11)
CFA-10-2	Rack Only	22 ⁵ / ₁₆ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 566 x 143 x 140 mm	2 ³ / ₁₆ x 5 ¹ / ₄ x 5 ⁵ / ₁₆ inch 54.5 x 133.6 x 135 mm	10	DR-22	2.7(1.23)
CFA-11-2	Rack Only	24 ¹ / ₂ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 622 x 143 x 140 mm	2 ³ / ₁₆ x 5 ¹ / ₄ x 5 ⁵ / ₁₆ inch 54.5 x 133.6 x 135 mm	11	DR-23	2.9(1.30)
CFA-12-2	Rack Only	26 ⁵ / ₈ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 677 x 143 x 140 mm	2 ³ / ₁₆ x 5 ¹ / ₄ x 5 ⁵ / ₁₆ inch 54.5 x 133.6 x 135 mm	12	DR-26	3.0(1.37)
CFA-13-2	Rack Only	28 ⁹ / ₁₆ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch	2 ¹ / ₈ x 5 ¹ / ₄ x 5 ⁵ / ₁₆ inch	13	DR-27	3.4(1.55)
CFA-13-2-X-XX*	Rack w/2" box and divider	726 x 143 x 140 mm	54 x 133.6 x 135 mm			3.4(1.55)+13ω ^{***}
CFA-14-2	Rack Only	31 ¹ / ₁₆ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch 789 x 143 x 140 mm	2 ³ / ₁₆ x 5 ¹ / ₄ x 5 ⁵ / ₁₆ inch 54.5 x 133.6 x 135 mm	14	DR-31	3.5(1.61)
CFA-15-2	Rack Only	33 ¹ / ₄ x 5 ⁵ / ₈ x 5 ¹ / ₂ inch	2 ³ / ₁₆ x 5 ¹ / ₄ x 5 ⁵ / ₁₆ inch	15	DR-32	3.7(1.69)
CFA-15-2-X-XX*	Rack w/2" box and divider	845 x 143 x 140 mm	54.5 x 133.6 x 135 mm			3.7(1.69)+15ω ^{***}

* To order, replace X-XX with either 81 or 100 cardboard boxes or PC/PP boxes.

** Lock device is ordered separately.

*** ω³=0.22lb(0.1kg) for cardboard box, 0.37lb(0.17kg) for plastic box, 0.84lb(0.38kg) for stainless steel box, 0.53lb(0.24kg) for aluminum box.