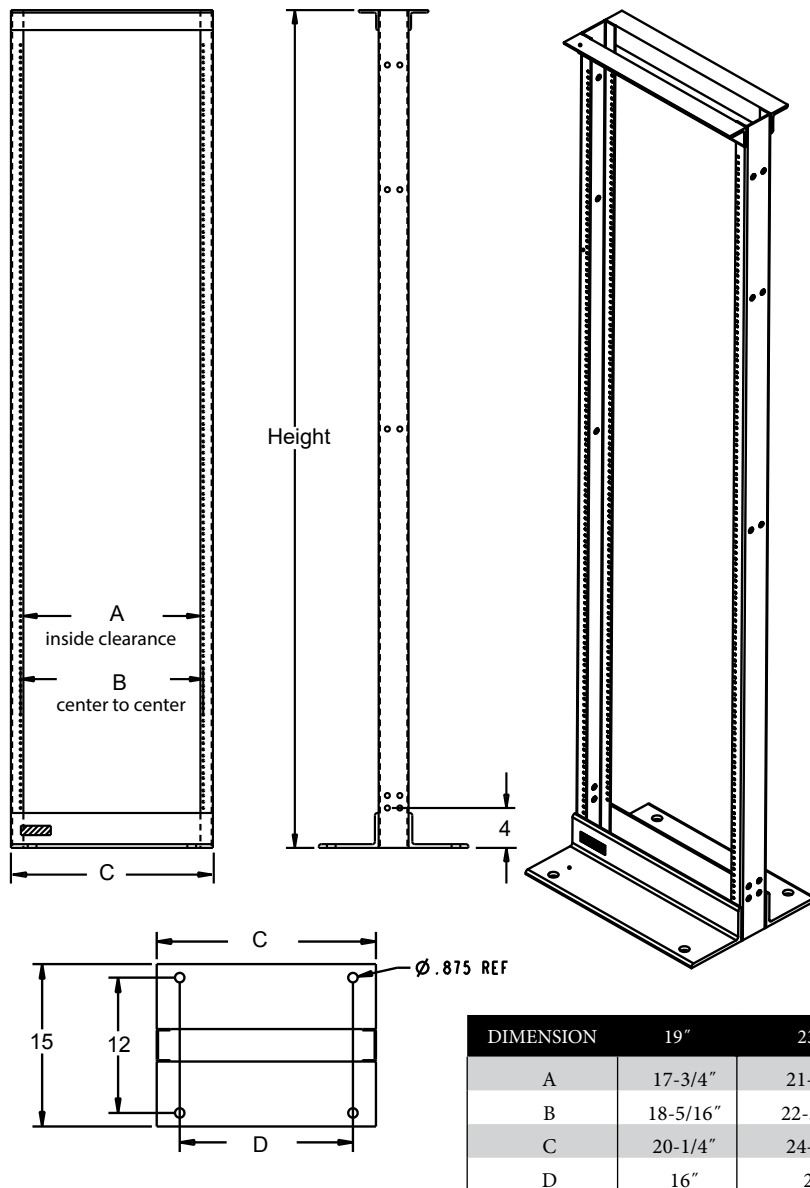


NEWTON DATA RACK

Modified: 11/05/2019



NDRxxxxxxx

The Newton Data Rack is a high-quality, versatile, and cost-effective premise-style equipment rack solution for both telecommunication and data requirements. The lightweight, self-squaring design makes assembly and installation quick and easy. These kits are shipped unassembled in a compact, secure package in order to maximize storage space and minimize shipping costs. Equipment mounting hardware and assembly instructions are included in every kit.

Features

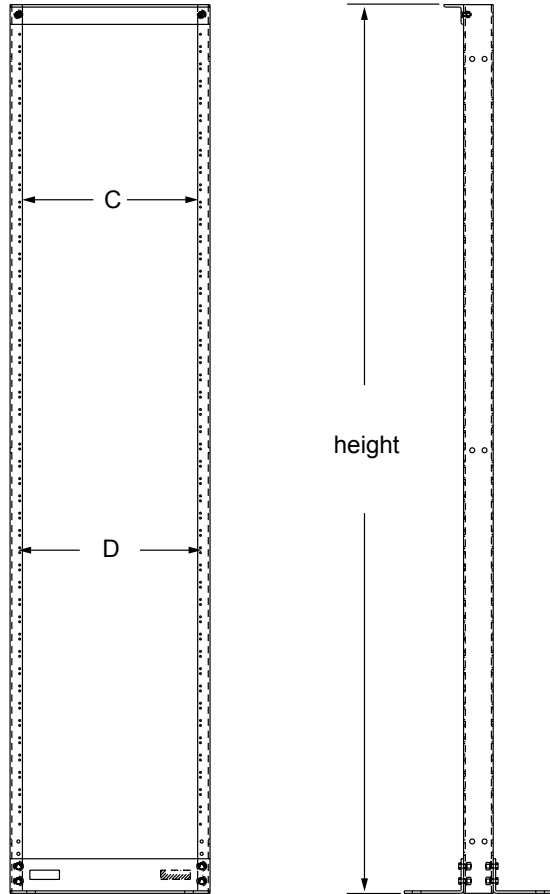
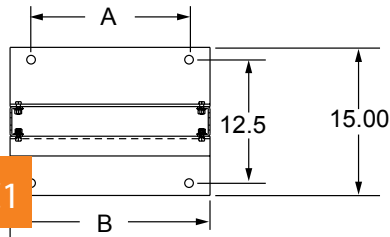
- High-strength 6061-t6 aluminum construction
Yield strength (Sy) = 40,000 psi (40 kpsi)
Modulus of elasticity (E) = 10.0 X 10⁶ psi
- Conforms to EIA-310-D
- Dual top angles for increased rigidity
- Double-sided #12-24 tapped uprights with 5 engagement threads
- Base and top angles bolted to 3/8-16 tapped uprights enabling quick & easy assembly and squaring.
- Side-by-side junction hole pattern allows rack to be bolted to most manufacturers' racks
- Standard EIA universal (5/8 - 5/8 - 1/2") mounting hole pattern
- 700 Lb. Static load capacity (weight must be evenly distributed)
- Kit includes package of (50) #12-24 combination-head, graduated, thread-rolling screws. Graduated screw tip design makes alignment equipment mounting easy.
- Approximate weight of 84" / 7'-0" rack is 31 lbs.
- Multiple heights and finishes available (see chart below)

NDR	AAA	BB	CC	XX
NDR: NEWTON DATA RACK				XX: FINISH CODE 23 = Brushed Aluminum 30 = Telco Gray 47 = Raven Black
AAA: HEIGHT 084 = 84" or 7'-0" overall height 45 RU 090 = 90" or 7'-6" overall height 48 RU 096 = 96" or 8'-0" overall height 52 RU				
BB: WIDTH 19 = 19" wide 23 = 23" wide			CC: UPRIGHT SPACING 00 = EIA Universal 5/8" - 5/8" - 1/2")	

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NFR (NEWTON FORMED RACK) - DATA OR TELCO

Modified:01/20/2014



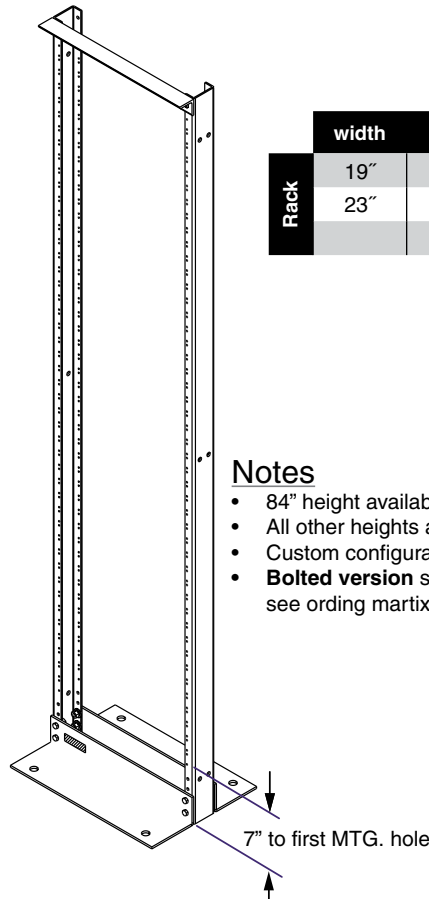
Assembly instructions for Bolted NFR

- Attach top angle to uprights using 5/16 flat washer, 5/16 lock washer and 5/16 - 16 heavy hex nut.
- Attach the 2 floor angles using 3/8-16 x 1 hex head cap screw, 3/8 flat washer, 3/8 - 16 heavy hex nut.

	width	A	B	C	D
Rack	19"	16"	20-1/4"	17-3/4"	18-5/16"
	23"	20"	24-1/4"	21-3/4"	22-5/16"

Notes

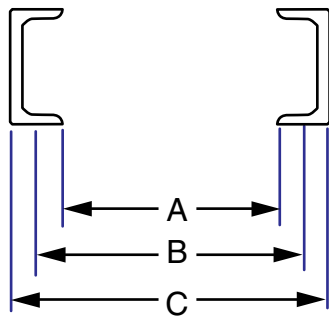
- 84" height available in all upright spacing configurations.
- All other heights are custom, made to order.
- Custom configurations may require a minimum quantity.
- **Bolted version shown. Welded version** is also available, see ordering matrix.



NFR	AAA	BB	CC	XX
NFR: NEWTON FORMED RACK				XX: FINISH CODE 30 = TELCO GRAY 47 = RAVEN BLACK
AAA: HEIGHT 072 = 72" or 6'-0" overall height 084 = 84" or 7'-0" overall height (standard height) 090 = 90" or 7'-6" overall height 096 = 96" or 8'-0" overall height 108 = 108" or 9'-0" overall height			CC: UPRIGHT SPACING 00 = Welded EIA Wide (1-1/4" - 1/2") 01 = Welded EIA Universal (5/8" - 5/8" - 1/2") 02 = Welded WECO (1" Pattern) 50 = Bolted EIA Wide (1-1/4" - 1/2") 51 = Bolted EIA Universal (5/8" - 5/8" - 1/2") 52 = Bolted WECO (1" Pattern)	
BB: WIDTH 19 = 19" wide 23 = 23" wide				

EQUIPMENT RACK, CHANNEL TYPE, FLOOR SUPPORTED - TELCO

Modified: 11/04/2009

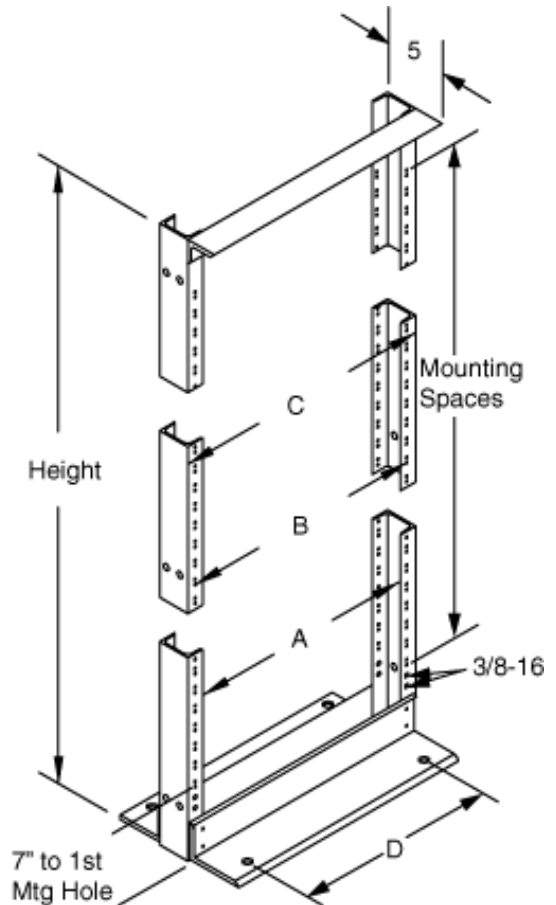


Upright Profile

DIMENSION	19"	23"
A	17-1/2"	21-1/2"
B	18-5/16"	22-5/16"
C	20-5/16"	24-5/16"
D	16"	20"

Notes:

- Hole are tapped 12-24
- Other colors are available, call your CSR for more information.



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10 Digit Ordering Number

- Figure No. + Dash No. + Finish Code = Part Number
- 8' X 1-3/4" X 19" Double Sided Steel Equipment Rack With A Te Gray Finish would be 004010 + 03 + 30 = 0040100330

Figure Number	Description
004010	1-3/4" mtg x 19" double side
004011	1-3/4" mtg x 23" double side

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Dash Number	Height	Mtg. Spaces	Material	Assembly
01	7'-0"	42	steel	welded
02	7'-6"	46	steel	welded
03	8'-0"	49	steel	welded
04	9'-0"	56	steel	welded
05	11'-6"	73	steel	welded
06	11'-8"	74	steel	welded
07	7'-0"	42	steel	bolted
08	7'-6"	46	steel	bolted
09	8'-0"	49	steel	bolted
10	9'-0"	56	steel	bolted
11	11'-6"	73	steel	bolted
12	11'-8"	74	steel	bolted
13	7'-0"	42	aluminum	bolted
14	7'-6"	46	aluminum	bolted
15	8'-0"	49	aluminum	bolted
16	9'-0"	56	aluminum	bolted
17	11'-6"	73	aluminum	bolted
18	11'-8"	74	aluminum	bolted

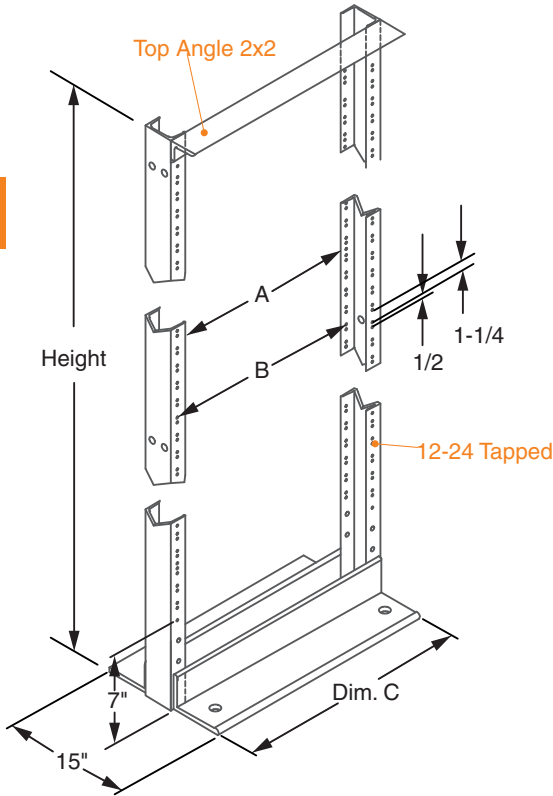
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Color Code	Description
30	TE Gray

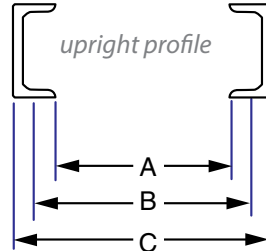
EQUIPMENT RACK, CHANNEL TYPE, DS, FLOOR SUPPORTED, 1-3/4" MTG SPACES

Modified:03/23/2015

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Dimension	19"	23"
A	17-1/2"	21-1/2"
B	18-5/16"	22-5/16"
C	20-5/16"	24-5/16"



Ordering Table

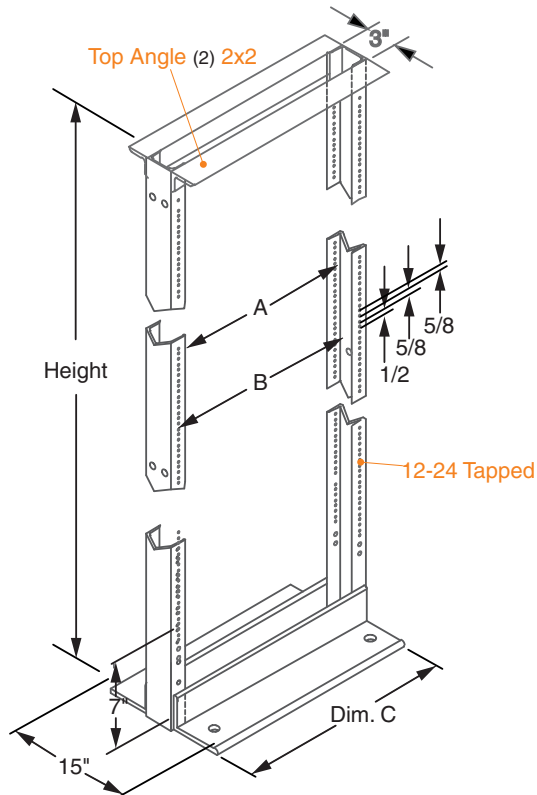
Part Number	Height	Mtg Spaces	Rack Width
20350118xx	4'-6"	25	23"
20350121xx	5'-0"	28	19"
20350122xx	5'-0"	28	23"
20350119xx	6'-0"	36	19"
20350120xx	6'-0"	36	23"
20350126xx	6'-6"	39	23"
20350127xx	6'-6"	39	19"
20350123xx	8'-6"	52	19"
20350124xx	8'-6"	52	23"
20350115xx	8'-8"	53	19"
20350116xx	8'-8"	53	23"
20350113xx	10'-0"	63	19"
20350114xx	10'-0"	63	23"

Note:

- Same as 004010 and 004011, with alternate heights.
- XX = finish code; standard finish, xx = 30.
- Bolted aluminum assembly

EQUIPMENT RACK, CHANNEL TYPE, BOLTED, DS, FREE STANDING, EIA UNIVERSAL

Modified:03/23/2015



Ordering Table

Part Number	Height	A	B	C
21155401xx	7'-0"	17-3/4"	18-5/16"	20-5/16"
21155402xx	7'-6"	17-3/4"	18-5/16"	20-5/16"
21155403xx	8'-0"	17-3/4"	18-5/16"	20-5/16"
21155404xx	9'-0"	17-3/4"	18-5/16"	20-5/16"
21155405xx	11'-6"	17-3/4"	18-5/16"	20-5/16"
21155406xx	11'-8"	17-3/4"	18-5/16"	20-5/16"
21155407xx	7'-0"	21-3/4"	22-5/16"	24-5/16"
21155408xx	7'-6"	21-3/4"	22-5/16"	24-5/16"
21155409xx	8'-0"	21-3/4"	22-5/16"	24-5/16"
21155410xx	9'-0"	21-3/4"	22-5/16"	24-5/16"
21155411xx	11'-6"	21-3/4"	22-5/16"	24-5/16"
21155412xx	11'-8"	21-3/4"	22-5/16"	24-5/16"
21155413xx	4'-0"	17-3/4"	18-5/16"	20-5/16"

Notes:

- XX = finish code; standard finish, xx= 30.
- Material = aluminum.
- Shipped unassembled.

NEWTON ECONOMY RACK (NER084) - DATA OR TELCO -- EIA

Modified:08/04/2020

Description: Cost effective solution for data closet environments.

An alternative for 004010xxxx, 004011xxxx, NFR084xxxx and NDR084xxxx series racks

Ordering Table

Part Number	Rack	Height	A	B	C	Hole Spacing	Style/Material	RU
NER0841900xx	19"	7'-0"	20.25"	17.75"	18.31"	EIA Wide	Welded Steel	45
NER0841901xx	19"	7'-0"	20.25"	17.75"	18.31"	EIA Universal	Welded Steel	45
NER0842300xx	23"	7'-0"	24.25"	21.75"	22.31"	EIA Wide	Welded Steel	45
NER0841950xx	19"	7'-0"	20.25"	17.75"	18.31"	EIA Wide	Bolted Steel	45
NER0841951xx	19"	7'-0"	20.25"	17.75"	18.31"	EIA Universal	Bolted Steel	45
NER0721952xx	19"	6'-0"	20.25"	17.75"	18.31"	EIA Universal	Bolted Steel	41
NER0961951xx	19"	8'-0"	20.25"	17.75"	18.31"	EIA Universal	Bolted Steel	51

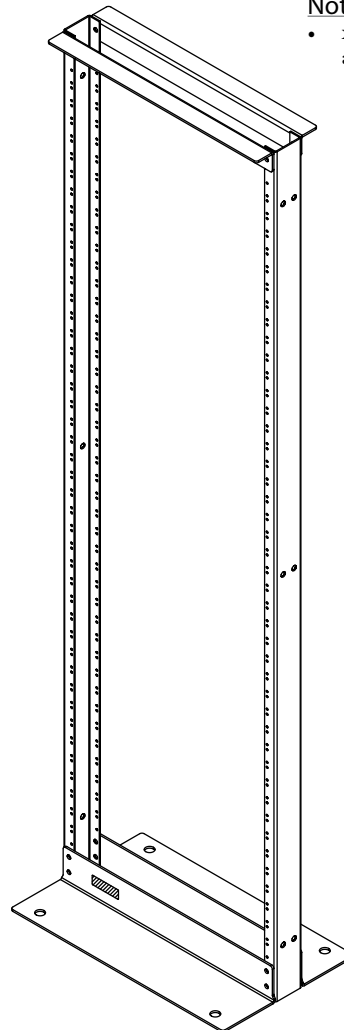
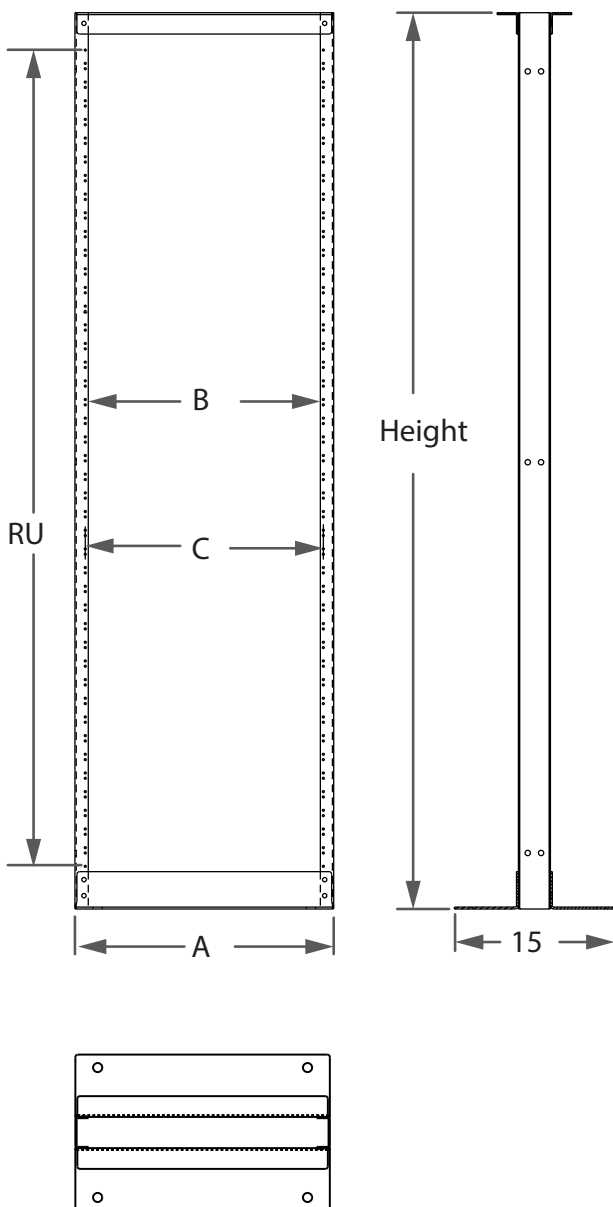
C1

Features about this rack

- Sturdy 11 gauge double sided uprights with 12-24 tapped holes.
- Cost effective solution for data environment.
- EIA Wide mounting 1.25 x .50.
- EIA Universal 5/8-5/8-1/2.
- Double top angle for additional strength and support.
- EIA opening of 17.75" (on 19" rack) between the uprights.
- Individual weight under 70 lbs

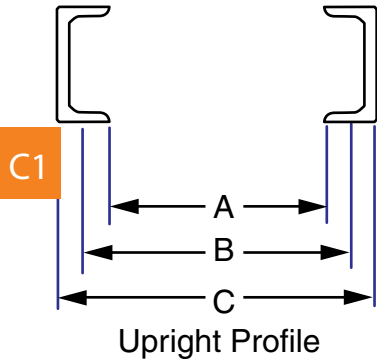
Notes

- xx = finish code. Standard finishes are black 47 and TE gray 30.



EQUIPMENT RACK, CHANNEL TYPE, OVERHEAD SUPPORTED

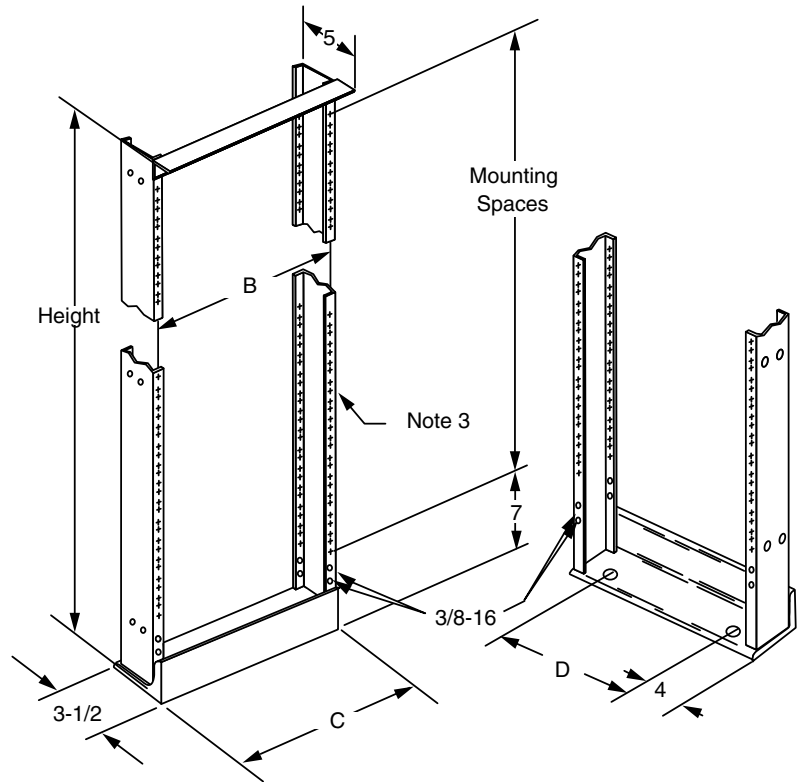
Modified:10/15/2009



Dimension	19"	23"
A	17-1/2"	21-1/2"
B	18-5/16"	22-5/16"
C	20-5/16"	24-5/16"
D	12-5/16"	16-5/16"

Notes:

- Hole are tapped 12-24
- Other colors are available, call your CSR for more information.



10 Digit Ordering Number

- Figure No. + Dash No. + Finish Code = Part Number
- 8' X 1-3/4" X 19" Double Sided Steel Equipment Rack With A Te Gray Finish would be 004004 + 03 + 30 = 004040330

Figure number	Description
004004	1-3/4" mtg x 19" double side
004005	1-3/4" mtg x 23" double side

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Dash number	Height	Mtg. Spaces	Material	Assembly
01	7'-0"	42	steel	welded
02	7'-6"	46	steel	welded
03	8'-0"	49	steel	welded
04	9'-0"	56	steel	welded
05	11'-6"	73	steel	welded
06	11'-8"	74	steel	welded
07	7'-0"	42	steel	bolted
08	7'-6"	46	steel	bolted
09	8'-0"	49	steel	bolted
10	9'-0"	56	steel	bolted
11	11'-6"	73	steel	bolted
12	11'-8"	74	steel	bolted
13	7'-0"	42	aluminum	bolted
14	7'-6"	46	aluminum	bolted
15	8'-0"	49	aluminum	bolted
16	9'-0"	56	aluminum	bolted
17	11'-6"	73	aluminum	bolted
18	11'-8"	74	aluminum	bolted

+

Color Code	Description
30	TE Gray