TITAN PART NUMBER
SELECTION GUIDE

IMS Engineered Products is
ISO 9001 Certified

UL LISTED

Designed and
Manufactured in the USA

AMCO®
ENCLOSURES
an IMS Engineered Products Brand

Configure Your Network Rack

Use the part number configurator below to create your custom **Titan DT Network Rack**. Choose the Frame, Height, Width, Depth, Fingers, Front Door, Rear Door, Sides, Casters and Color. All internal accessories are painted black. Example part number: TN-522945-A-1CS-HW

Frame	-	RU Height	Frame Width	Frame Depth	-	Fingers Front	-	Front Door	Rear Door	Sides	-	Casters	Color

Frame: TN

RU Height: 42, 48, 52

Frame Width: 29, 32

Frame Depth: 42, 45, 48

Color:
W	White
B	Black

Casters:
X	None
L	Light Duty
H	Heavy Duty

Fingers Front:
A	1U fingers
B	2U fingers

Sides:
X	None
S	Pair

Rear Door:
X	None
A	Curved
B	Flush
C	French
D	Flush Solid
E	French Solid

Front Door:
X	None
1	Curved
2	Flush
3	French
4	Flush Solid
5	French Solid

Titan DT Network and Server Rack Features

Construction

Titan DT frames consist of fully welded construction with multiple forms to enhance overall static and dynamic load performance.

Channels

Mounting channels feature universal (square-hole) mounting, providing flexibility in metric/domestic hardware deployment.

Multiple-Bay Joining

Simple nut and bolt hardware makes multiple-bay joining fast and easy.

*Included with every frame

Side Struts

Titan DT side struts feature uni-strut side channel design, providing fully adjustable front-to-rear equipment mounting without removing channels.
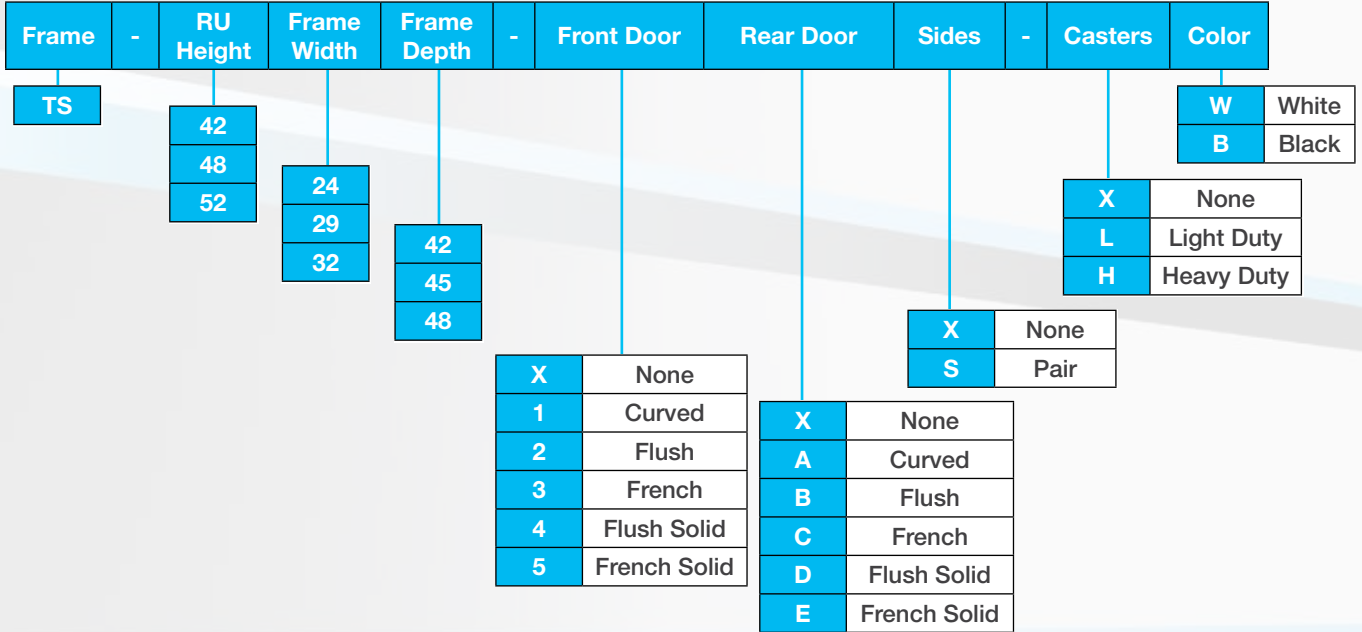
Titan DT Specifications

- Static Load Rating   5,400 Lbs.
- Dynamic Load Rating   3,300 Lbs.
- EIA 310

- UL Listed   UL 2416
- GSA Contract Holder   GS-27F-022GA
- ISO 9001

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Configure Your Server Rack

Use the part number configurator below to create your custom **Titan DT Server Rack**. Choose the Frame, Height, Width, Depth, Front Door, Rear Door, Sides, Casters and Color. All internal accessories are painted black.
Example part number: TS-522445-1CS-HW

Frame	-	RU Height	Frame Width	Frame Depth	-	Front Door	Rear Door	Sides	-	Casters	Color

Frame: TS

RU Height: 42, 48, 52

Frame Width: 24, 29, 32

Frame Depth: 42, 45, 48

Color:
W	White
B	Black

Casters:
X	None
L	Light Duty
H	Heavy Duty

Sides:
X	None
S	Pair

Front Door:
X	None
1	Curved
2	Flush
3	French
4	Flush Solid
5	French Solid

Rear Door:
X	None
A	Curved
B	Flush
C	French
D	Flush Solid
E	French Solid

Included In Each Network and Server Rack

Top Panel

Brush Strip Top Panel

• 5" opening with one removable 5" wide brush strip sections and two 5"x8" strips in front

Mounting Channels

MCX Profile

• For 24" wide racks

MCW Profile Reducer

• 1RU Device for 29" and 32" wide racks
• Front channels come with brush strips

Power Panels

Power/Cable Panel

• 7" wide panel for tool less mounting of PDUs and cable management
• Typically can mount two 60 AMP three phase PDUs

Hardware Kits

M6 Cage Nuts and Screws
(Part Number: HK-M6-25)

• Mounted screws for equipment mounting (25 pieces)

Joining Kit
(Part Number: HK-R-TN)

• Frame-joining kit (8 pieces)

Notes:
29" and 32" mounting channels come with 3 1RU cutouts in each channel. The cutouts in the front channels are covered with a 1RU brush strip.

Optional Features in Configured Part Number

Doors

Curved-Face

Vented or Solid-Flush

Vented or Solid French

Door Features
- Vented doors feature a 77% open airflow pattern
- Swing handles with keyed locks
- Locks can be ordered keyed alike or separately
- Optional solid inserts for flush doors available for when thermal requirements change
- All curved, flush and flush solid doors are right handed only

Door Features

Swing handle with lock
Secures valuable equipment
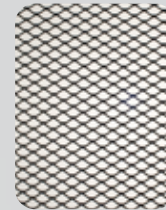
Vented pattern
77% open pattern

Side Panels

Side Panel Features

Keyed Lock
Titan DT side panels come with a lock that keeps the side panel secure.

Side Panel Latch
Titan DT side panels include a latch system for easy installation and removal.

Casters

Light Duty Caster
(Part Number: CA-C175)

- 175 lb load rating each

Heavy Duty Caster
(Part Number: CA-C1200)

- 1200 lb load rating each

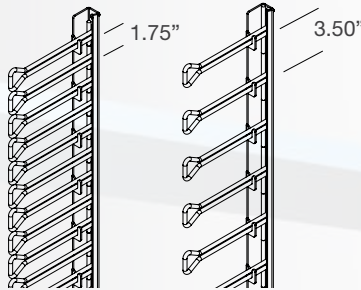# Mounting Channel Finger Options

Vertical Finger Management

1RU Finger Mounting Channel

• 29" & 32" wide only
• 9 gauge wire and 6" of usable space

2RU Finger Mounting Channel

• 29" & 32" wide only
• 9 gauge wire and 6" of usable space

Vertical Finger Bracket Kit

Finger Bracket and Fingers Added to Mounting Channels

RU Height	1 RU Part Number	2 RU Part Number	Height (B)
52	HKF-52-1U-L	HKF-52-2U-L	89.31"
48	HKF-48-1U-L	HKF-48-2U-L	82.31"
42	HKF-42-1U-L	HKF-42-2U-L	73.56"

Note: For Finger Bracket and Fingers mounting on the right side, replace "-L" with "-R".

Internal Cable Raceway Door

Internal Cable Raceway Door
• Conceals and protects cables inside the finger raceway

RU Height	29" Width Part Number	32" Width Part Number
52	IFD-52U-29	IFD-52U-32
48	IFD-48U-29	IFD-48U-32
42	IFD-42U-29	IFD-42U-32

Horizontal and Vertical Gap Fillers

Shaded area denotes the Vertical Gap Filler
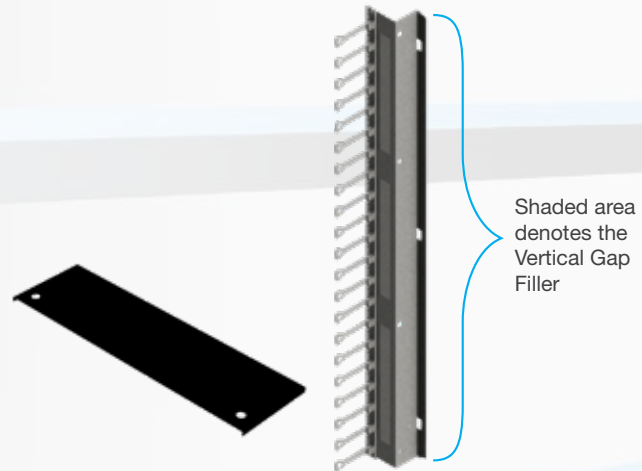
Horizontal Gap Filler   **Vertical Gap Filler**

• The Horizontal and Vertical Gap Fillers provide a barrier to help prevent air leakage when the front mounting channels are recessed

Horizontal Gap Fillers

24" Width Part Number	29" Width Part Number	32" Width Part Number
HGF-24W-10-14	HGF-29W-10-14	HGF-32W-10-14
HGF-24W-6-10	HGF-29W-6-10	HGF-32W-6-10

Vertical Gap Fillers

RU Height	Part Number
52	VGF-52U
48	VGF-48U
42	VGF-42U

Accessories

Vertical Cable Management
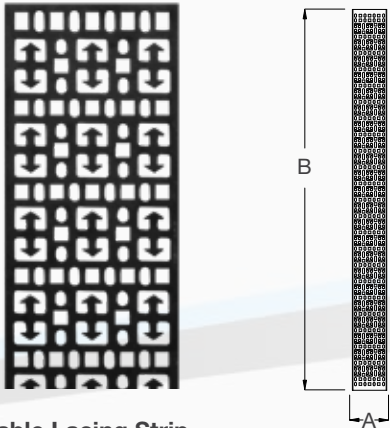
Cable Lacing Strip
• 5" wide
• Use cable ring kits or velcro straps

RU Height	Part Number	Width (A)	Height (B)
52	CLS-52U-5	5"	86.56"
48	CLS-48U-5	5"	79.56"
42	CLS-42U-5	5"	70.81"

Cable Ring Kit
(Part Number: HK-CR1)

• Cable rings mount to 3/8" square holes in power/cable panels or cable lacing strips
• Provide an immediate tie-down point for cabling
• Sold in packs of 10

5" Steel Cable Ring Kit
(Part Number: HK-CR5-10)

• Sold in packs of 10
• Mounts to 3/8" square holes
• Tool-less installation
• Can hold thicker bundles

Tool-less Blanking Panels

Steel Blanking Panels

• Tool-less
• Cover empty spaces in panel openings
• Optimize air circulation
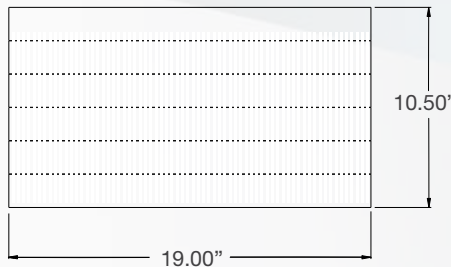• Material: 16ga. CRS
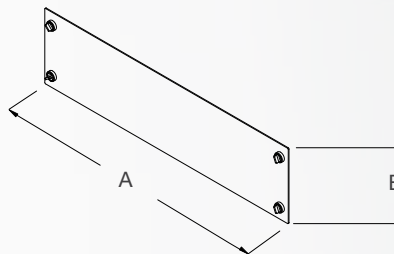
Part Number	Width (A)	Height (B)
BPT24-1U	19.23"	1.75"
BPT24-2U	19.23"	3.5"
BPT24-3U	19.23"	5.25"
BPT24-4U	19.23"	7"
BPT24-8U	19.23"	14"

Co-Poly Blanking Panels
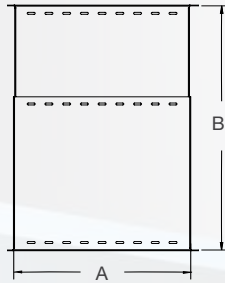
• Ten 6 RU sheets
• Square hole only
• No tools or hardware required
• Use as complete sheet or break apart to size needed

10.50"

19.00"

Part Number	Color
BP-6U-P-10	Black
BP-6U-P-WHITE-10	White

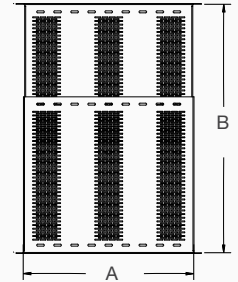AMCO Enclosures   www.amcoenclosures.com   847-391-8100

Accessories

Shelves

Heavy Duty Adjustable Solid

• 25"- 40"
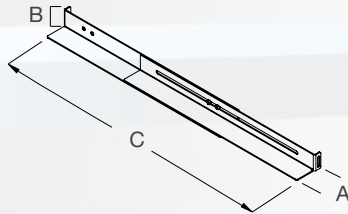• 300 lb load rating
• Material: 14ga. CRS

Heavy Duty Adjustable Vented

• 25"- 40"
• 300 lb load rating
• Material: 14ga. CRS

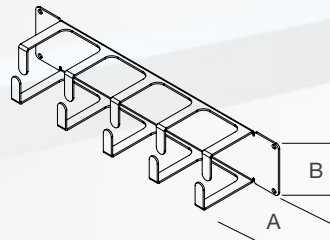| Solid Part Number	Vented Part Number	Width (A)	Height	Depth (B)	Load Rating
UA-SHAS-2540	UA-SHAV-2540	19"	1.75"	25" - 40"	300 lb

Adjustable Chassis Guides

Adjustable Chassis Guides

• 25" to 36" Depths
• 125 lb load rating
• Material: 12ga. CRS

Part Number	Width (A)	Height (B)	Depth C	Load Rating
CHGA-TN-2536-D	3"	1.75"	25"-36"	125 lb

Horizontal Cable Management
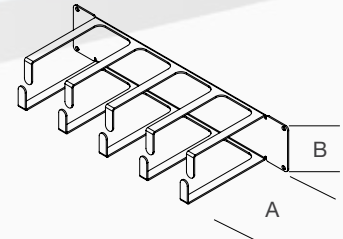
Horizontal Cable Managers

• 2RU panel height (3.50")
• 10 ga. steel construction
• Available in 4" and 7" depths

(HCM4) - 4"D

(HCM7) - 7"D

Part Number	A	B
HCM4	4.00	3.47"
HCM7	7.00	3.47"

Titan Cable Management Solution (TCM)

Titan Cable Management Rack (TCM)

AMCO's Titan Cable Management rack (TCM) is a high density, open architecture cable management system that establishes pathways for large volume network cabling. It provides complete accessibility for cabling swaps and add-ons, while providing optimal heat dissipation. This allows your network hardware to run cooler and perform as intended.

Certified Load Rating:
2,100lbs.

Rack Width:
19" or 23" equipment mounting

Rack Heights:
51RU and 45RU

Rack Depths:
6", 10", 16", and 30"

RU Height	Overall Height	6" Depth	10" Depth	16" Depth	30" Depth
51	94.18"	TCMR-51U-6	TCMR-51U-10	TCMR-51U-16	TCMR-51U-30
45	83.68"	TCMR-45U-6	TCMR-45U-10	TCMR-45U-16	TCMR-45U-30

How to Specify Color
• For Black add "-116" to the end of the part number. For example: TCMR-51U-6-116
• For White add "-151" to the end of the part number. For example: TCMR-51U-6-151

Features
• #12-24 hardware for 6", 10" and 16" depth racks, M6 hardware for the 30" depth

Estimated Cable Fill Capacities for TCM Frame

Part Number	Description	Usable Area (sq. in.)	Recommended Fill					Maximum Cable Fill				
			Cat 5e	Cat 6	Cat 6a	2091SD	2091B	Cat 5e	Cat 6	Cat 6a	2091SD	2091B
			0.200	0.250	0.300	0.265	0.285	0.200	0.250	0.300	0.265	0.285
			40%	40%	40%	40%	40%	60%	60%	60%	60%	60%
TCMR-xxU-30	TITAN CABLE MANAGEMENT RACK 30"D	175.0	1114	713	495	635	549	1671	1070	743	952	823
TCMR-xxU-16	TITAN CABLE MANAGEMENT RACK 16"D	94.0	598	383	266	341	295	898	574	399	511	442
TCMR-xxU-10	TITAN CABLE MANAGEMENT RACK 10"D	60.3	384	245	170	218	189	575	368	256	328	283
TCMR-xxU-6	TITAN CABLE MANAGEMENT RACK 6"D	36.8	234	150	104	133	115	351	225	156	200	173

Note: The fill rates listed are at 40% and 60%.

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TCM Cable Management

Cable Manager with Door

TCM cable managers are constructed with a back plate made of .125" aluminum and fingers made of .230" steel wire. Solid doors have dual hidden latch mechanisms that provide access to cabling from either side.

• TCM cable manager doors have a solid face with hidden hinges that feature easy on/off access to cabling
• Vertical cable managers are available in four widths – 6", 10", 12" and 16" in either a 51RU or 45RU rack height. 12" and 16" have an extended lead time.

RU Height	Overall Height	Finger Spacing	6" Width	10" Width	12" Width	16" Width
51	89.00"	2RU	TCMFD-51U-6	TCMFD-51U-10	TCMFD-51U-12	TCMFD-51U-16
45	78.50"	2RU	TCMFD-45U-6	TCMFD-45U-10	TCMFD-45U-12	TCMFD-45U-16
51	89.00"	1RU	TCMFD-1-51U-6	TCMFD-1-51U-10	TCMFD-1-51U-12	TCMFD-1-51U-16
45	78.50"	1RU	TCMFD-1-45U-6	TCMFD-1-45U-10	TCMFD-1-45U-12	TCMFD-1-45U-16

Note: TCMFD-1 part numbers have fingers at every RU

How to Specify Color
• For Black add "-116" to the end of the part number. For example: TCMFD-51U-6-116
• For White add "-151" to the end of the part number. For example: TCMFD-51U-6-151

Vertical Wire Raceway Cable Manager Widths
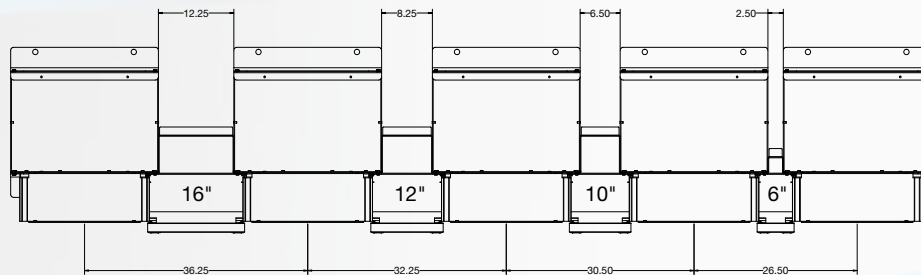
Note: 12" and 16" Fingers Have Extended Lead Time

1RU and 2RU Fingers

Fingers are made of .230" wire and are 7.25" long with a usable depth of 6". 1RU fingers have 1.75" from finger center to finger center and 2RU fingers have 3.5".

6.00"

Estimated Cable Fill Capacities for TCM Cable Managers

Part Number	Description	Usable Area (sq. in.)	Recommended Fill					Maximum Cable Fill				
			Cat 5e	Cat 6	Cat 6a	2091SD	2091B	Cat 5e	Cat 6	Cat 6a	2091SD	2091B
			0.200	0.250	0.300	0.265	0.285	0.200	0.250	0.300	0.265	0.285
			40%	40%	40%	40%	40%	60%	60%	60%	60%	60%
TCMFD-xxU-16	FINGERS WITH DOOR 16"	167.0	1063	680	473	606	524	1595	1021	709	908	785
TCMFD-xxU-12	FINGERS WITH DOOR 12"	118.0	751	481	334	428	370	1127	721	501	642	555
TCMFD-xxU-10	FINGERS WITH DOOR 10"	97.0	618	395	274	352	304	926	593	412	528	456
TCMFD-xxU-6	FINGERS WITH DOOR 6"	41.0	261	167	116	149	129	392	251	174	223	193

Note: The fill rates listed are at 40% and 60%. 12" and 16" wide are available as custom sizes with additional lead time.

TCM Optional Features

Ladder Brackets

Ladder rack brackets mount to the top of the TCM Rack and support your overhead cable raceways. Universal Ladder Adapter Brackets help mount overhead cable ladders and larger wire baskets.

Third Rail

Third rail option provides one pair of additional vertical channels and side struts for front to rear equipment mounting in 30"D racks.

End Cap/ Side Panels

TCM end caps finish off the ends of rows while providing an additional layer of security between your cable management and outside access.

Cable Manager with Door

Constructed of 9ga. wire, these vertical cable managers are available in 51RU and 45RU rack heights, and in 6", 10", 12" and 16" widths. Solid doors have dual hidden latch mechanisms that provide access from either side.
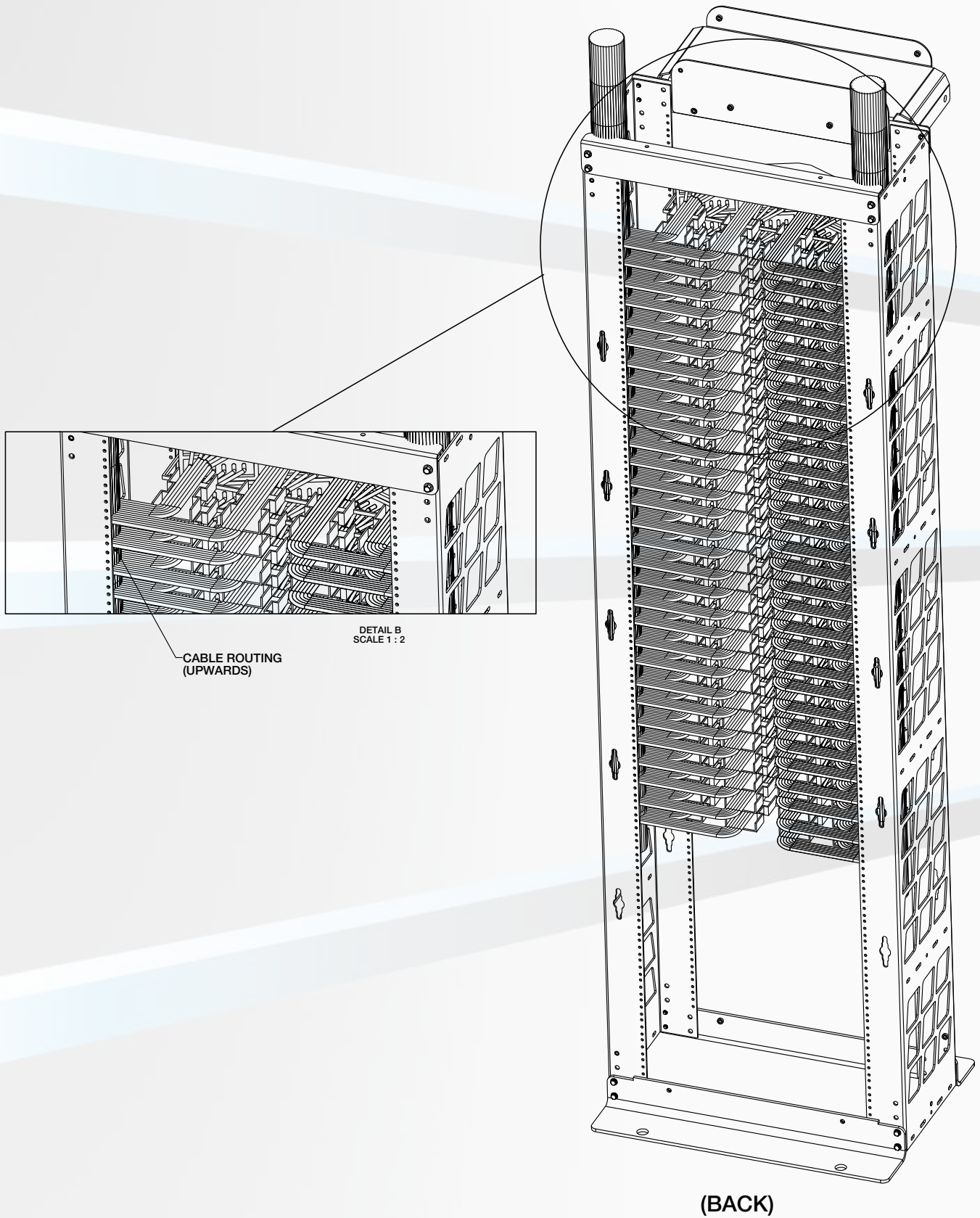
PDU Bracket

TCM PDU Bracket mounts to the outside rear of the rack for tool-less power strip mounting.

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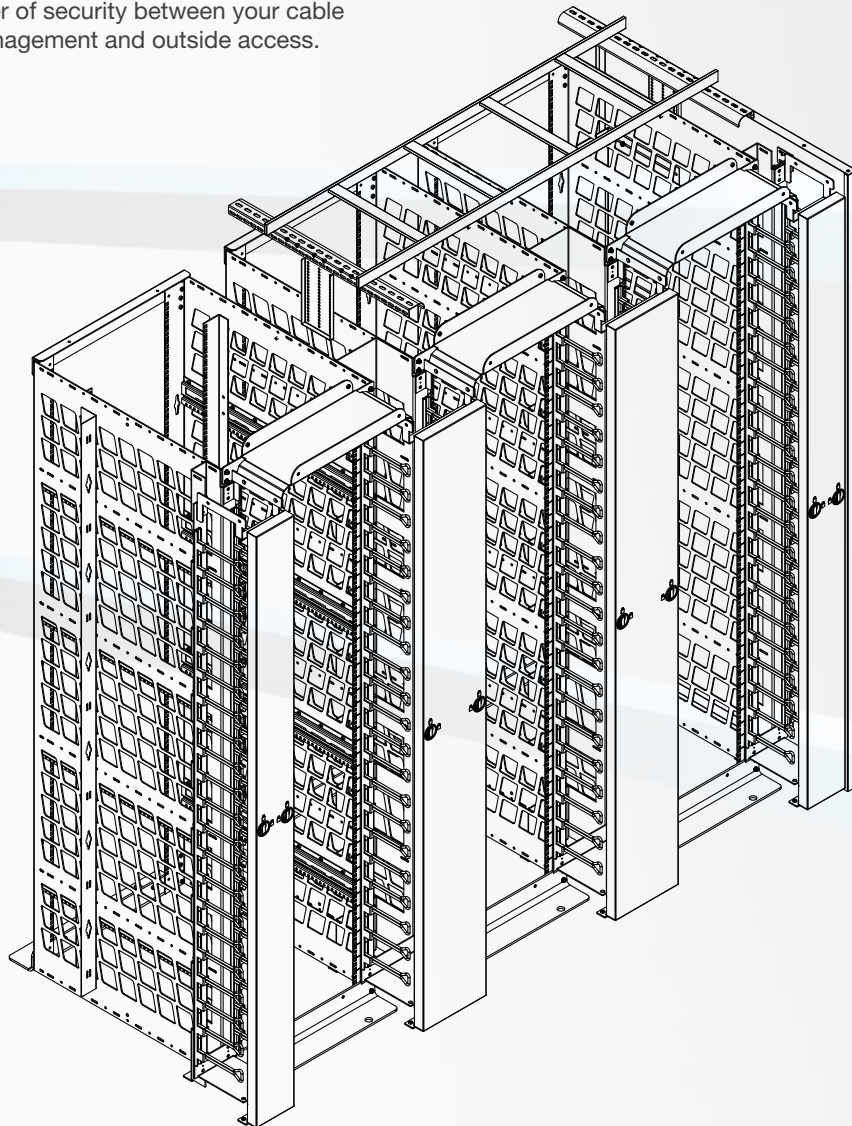
TCM Cable Routing Reference

DETAIL B
SCALE 1 : 2

CABLE ROUTING
(UPWARDS)

(BACK)

Hot & Cold Aisle Containment Systems

AMCO's Hot Aisle and Cold Aisle Containment System prevents air mixing and establishes separation of hot exhausted air and cold supplied air. This results in efficiently cooling the equipment and not the room. With these air separation paths in place, the system can deliver a consistent inlet temperature within ASHRAE A1 recommended ranges, providing dramatic savings in capital and operational costs year after year.

All Containment Enclosures have a 3 year warranty.

Features

- Flexible design
- Cools the equipment and not the room
- No need for piping of water/coolants to racks
- Reduce your TCO and increase energy efficiency in the data center
- Stop hot/cold air mixing

- Limit inefficient oversupply of cold air
- Aluminum framing system and clear UL Rated PVC insert panels let in natural lighting into the containment aisles
- Works for both legacy and new data racks
- Rack chimneys are available in 11 standard colors
- Custom branding available

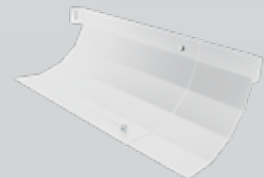## Overhead Chimney Solution

Top Duct Exhaust Kit
• 20"- 35"

Included with Overhead Chimney Solution

Top Panel without Cover Plate

Top Duct Exhaust (Heights of 20"- 35" or 35"- 60")

Air Deflector

20"- 35" Height

24" Width
TP-AFD3-24-48
TP-AFD3-24-45
TP-AFD3-24-42

35"- 60" Height

24" Width
TP-AFD6-24-48
TP-AFD6-24-45
TP-AFD6-24-42

Note: For 29" width, change "24" to "29" in part number. (i.e. TP-AFD6-24-45 becomes TP-AFD6-29-45)

For 32" width, change "24" to "32" in part number. (i.e. TP-AFD6-24-45 becomes TP-AFD6-32-45)

Top Duct Exhaust Kit
• 35"- 60"

Flush Door Solid Inserts

Titan DT vented flush doors can be expanded as thermal requirements for your racks change. Solid cover panels are available to convert front-to-rear (hot aisle) cooling to an overhead duct design. Simply add the solid cover panels over the existing screens.

Solid Insert Part Numbers
- French Door Solid Insert: SPI-DF-xxUyy
- Flush Door Solid Insert: SPI-D-xxUyy

Note: For solid insert part numbers, replace "xx" with the RU height and "yy" with the width.

Full Aisle Containment

Hot Aisle Containment

• Swing doors or sliding doors
• Available in clear anodized aluminum, white or black
• For new data center builds or retrofits
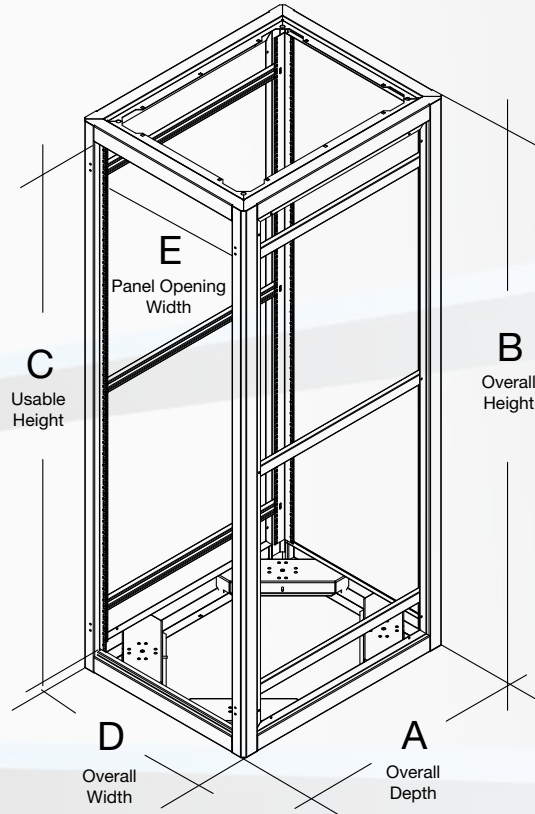• Project management services available

Cold Aisle Containment

• Swing doors or sliding doors
• Available in clear anodized aluminum, white or black
• For new data center builds or retrofits
• Project management services available
• Ceiling panels begin to shrink at 130 degrees
• UL-R4036 rated for use under fire suppression system

Titan DT Technical - Frame

24" Width (Material: 14ga. CRS)

RU Height	42" Depth (A) (39.75" usable)	45" Depth (A) (42.75" usable)	48" Depth (A) (45.75" usable)	Overall Height (B)	Usable Height (C)	Overall Width (D)	Panel Opening Width (E)
52	R-TN-52U24-42	R-TN-52U24-45	R-TN-52U24-48	98"	89.25"	24"	19.75"
48	R-TN-48U24-42	R-TN-48U24-45	R-TN-48U24-48	91"	82.25"	24"	19.75"
42	R-TN-42U24-42	R-TN-42U24-45	R-TN-42U24-48	80.5"	73.5"	24"	19.75"

Note: Overall height includes leg levelers (.625")

29" Width (Material: 14ga. CRS)

RU Height	42" Depth (A) (39.75" usable)	45" Depth (A) (42.75" usable)	48" Depth (A) (45.75" usable)	Overall Height (B)	Usable Height (C)	Overall Width (D)	Panel Opening Width (E)
52	R-TN-52U29-42	R-TN-52U29-45	R-TN-52U29-48	98"	89.25"	29"	24.75"
48	R-TN-48U29-42	R-TN-48U29-45	R-TN-48U29-48	91"	82.25"	29"	24.75"
42	R-TN-42U29-42	R-TN-42U29-45	R-TN-42U29-48	80.5"	73.5"	29"	24.75"

Note: Overall height includes leg levelers (.625")
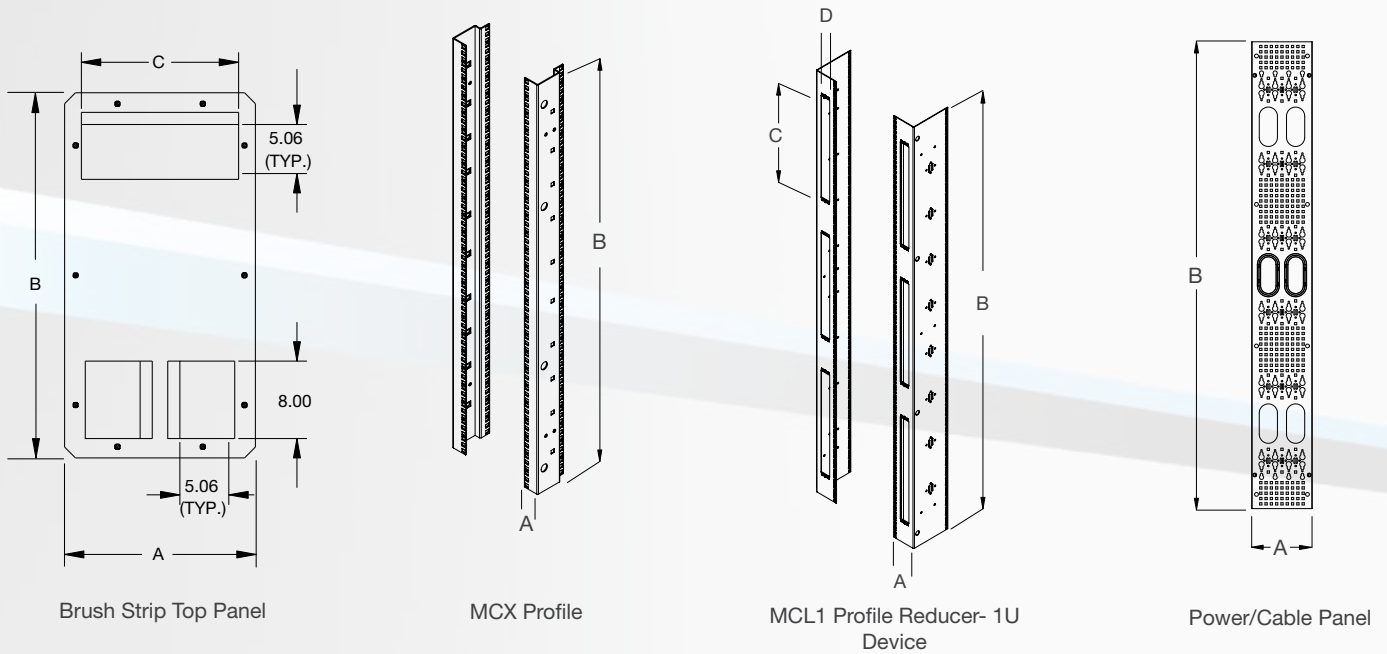
32" Width (Material: 14ga. CRS)

RU Height	42" Depth (A) (39.75" usable)	45" Depth (A) (42.75" usable)	48" Depth (A) (45.75" usable)	Overall Height (B)	Usable Height (C)	Overall Width (D)	Panel Opening Width (E)
52	R-TN-52U32-42	R-TN-52U32-45	R-TN-52U32-48	98"	89.25"	32"	27.75"
48	R-TN-48U32-42	R-TN-48U32-45	R-TN-48U32-48	91"	82.25"	32"	27.75"
42	R-TN-42U32-42	R-TN-42U32-45	R-TN-42U32-48	80.5"	73.5"	32"	27.75"

Note: Overall height includes leg levelers (.625")

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Titan DT Technical - Included Features

Brush Strip Top Panel

MCX Profile

MCL1 Profile Reducer- 1U Device

Power/Cable Panel

Brush Strip Top Panel (Material: 16ga. CRS)

Brush Strip Part Number	Description	Width (A)	Depth (B)	Brush Strip (C)
TP-AFB-24-42	TOP PANEL 24W X 42 D W/ BRUSH STRIP	19.71"	37.71"	16.25"
TP-AFB-24-45	TOP PANEL 24W X 45 D W/ BRUSH STRIP	19.71"	40.71"	16.25"
TP-AFB-24-48	TOP PANEL 24W X 48 D W/ BRUSH STRIP	19.71"	43.71"	16.25"
TP-AFB-29-42	TOP PANEL 29W X 42 D W/ BRUSH STRIP	24.71"	37.71"	21.25"
TP-AFB-29-45	TOP PANEL 29W X 45 D W/ BRUSH STRIP	24.71"	40.71"	21.25"
TP-AFB-29-48	TOP PANEL 29W X 48 D W/ BRUSH STRIP	24.71"	43.71"	21.25"
TP-AFB-32-42	TOP PANEL 32W X 42 D W/ BRUSH STRIP	27.71"	37.71"	21.25"
TP-AFB-32-45	TOP PANEL 32W X 45 D W/ BRUSH STRIP	27.71"	40.71"	21.25"
TP-AFB-32-48	TOP PANEL 32W X 48 D W/ BRUSH STRIP	27.71"	43.71"	21.25"

MCX Profile (Material: 12ga. CRS)

RU Height	Part Number	Width (A)	Height (B)
52	MCX-TN-S-51U	1.56"	89.31"
48	MCX-TN-S-47U	1.56"	82.31"
42	MCX-TN-S-42U	1.56"	73.56"

Note: For 24" wide frames only

MCL1 Profile Reducer- 1U Device (Material: 12ga. CRS)

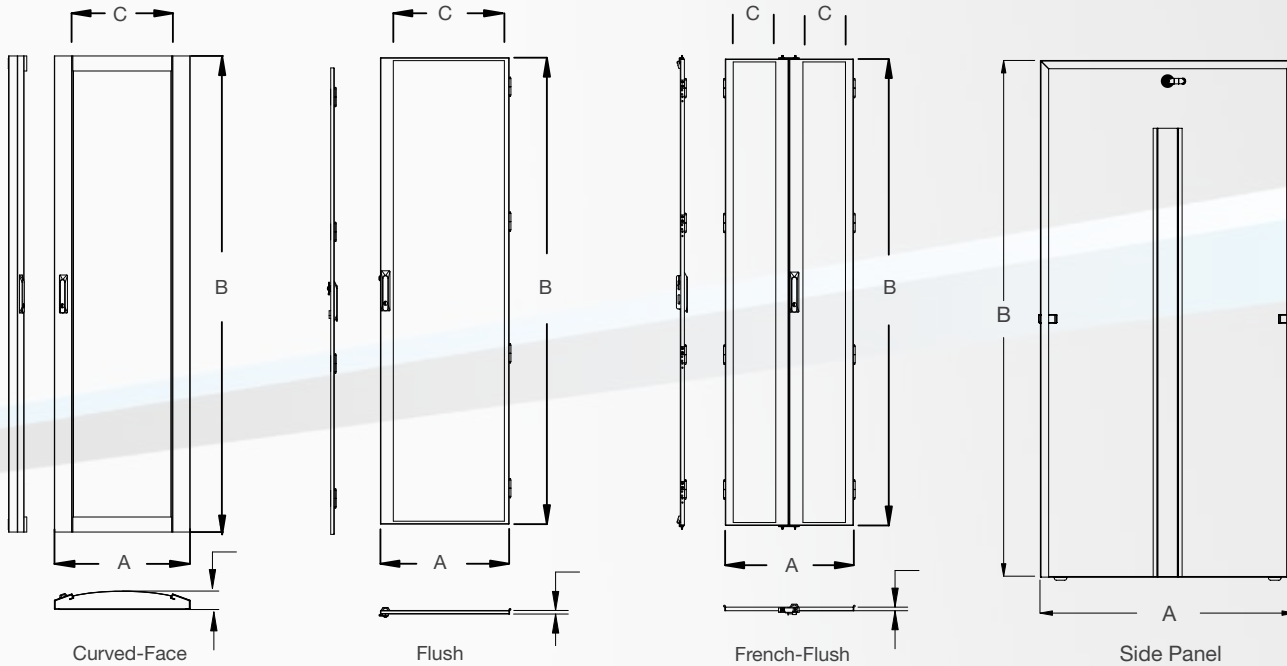| RU Height	Part Number	Width (A)	Height (B)	Opening Height (C)	Opening Width (D)
52	MCL1-TN-S-P51U	4.1"	89.31"	17.75"	1.75"
48	MCL1-TN-S-P47U	4.1"	82.31"	17.75"	1.75"
42	MCL1-TN-S-P42U	4.1"	73.56"	17.75"	1.75"

Note: For 29" and 32" wide frames only. For 32" width, add "32-" in part number after "S-". (i.e. MCL1-TN-S-P51U becomes MCL1-TN-S-32-P51U). Also add 1.5" to Width (A).

Power/Cable Panel (Material: 14ga. CRS)

RU Height	Part Number	Width (A)	Height (B)
52	PCP-52U-7	7.25"	89.31"
48	PCP-48U-7	7.25"	81.50"
42	PCP-42U-7	7.25"	72.75"

Titan DT Technical - Optional Features

Curved-Face | Flush | French-Flush | Side Panel

Curved-Face Door (Material: 18ga. CRS)

RU Height	Vented Part Number	Width (A)	Height (B)	Panel Opening (C)
52	DK-ACZ-52U24	22.56"	92.93"	16.21"
48	DK-ACZ-48U24	22.56"	85.93"	16.21"
42	DK-ACZ-42U24	22.56"	77.18"	16.21"

For 29" width, change "24" to "29" in part number. (i.e. DK-ACZ-52U24 becomes DK-ACZ-52U29). Also add 5" to width (A) and panel opening (C).

For 32" width, change "24" to "32" in part number. (i.e. DK-ACZ-52U24 becomes DK-ACZ-52U32). Also add 8" to width (A) and panel opening (C).

Flush Door (Material: 18ga. CRS)

RU Height	Solid Part Number	Vented Part Number	Width (A)	Height (B)	Panel Opening (C)
52	DK-BFZ-SPI-52U24	DK-BFZ-52U24	19.53"	90.37"	14.04"
48	DK-BFZ-SPI-48U24	DK-BFZ-48U24	19.53"	83.37"	14.04"
42	DK-BFZ-SPI-42U24	DK-BFZ-42U24	19.53"	71.12"	14.04"

Note: Solid inserts fit within the "C" dimensions of the flush flat and french doors.

For 29" width, change "24" to "29" in part number. (i.e. DK-BFZ-SPI-52U24 becomes DK-BFZ-SPI-52U29). Also add 5" to width (A) and panel opening (C).

For 32" width, change "24" to "32" in part number. (i.e. DK-BFZ-SPI-52U24 becomes DK-BFZ-SPI-52U32). Also add 8" to width (A) and panel opening (C).

French- Flush Door (Material: 18ga. CRS)

RU Height	Solid Part Number	Vented Part Number	Width (A)	Height (B)	Panel Opening (C)
52	DFK-BFZ-SPI-52U24	DFK-BFZ-52U24	19.53"	90.37"	6"
48	DFK-BFZ-SPI-48U24	DFK-BFZ-48U24	19.53"	83.37"	6"
42	DFK-BFZ-SPI-42U24	DFK-BFZ-42U24	19.53"	71.12"	6"

Note: Solid inserts fit within the "C" dimensions of the flush flat and french doors.

For 29" width, change "24" to "29" in part number. (i.e. DFK-BFZ-SPI-52U24 becomes DFK-BFZ-SPI-52U29). Also add 5" to width (A) and panel opening (C).

For 32" width, change "24" to "32" in part number. (i.e. DFK-BFZ-SPI-52U24 becomes DFK-BFZ-SPI-52U32). Also add 8" to width (A) and panel opening (C).

Side Panel (Material: 18ga. CRS)

| RU Height	42" Depth (A 36.79")	45" Depth (A 39.79")	48" Depth (A 42.79")	Overall Height (B)
52	SPK-BFS-52U-42	SPK-BFS-52U-45	SPK-BFS-52U-48	90.5"
48	SPK-BFS-48U-42	SPK-BFS-48U-45	SPK-BFS-48U-48	83.5"
42	SPK-BFS-42U-42	SPK-BFS-42U-45	SPK-BFS-42U-48	74.75"

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TCM Layout Examples

Drawings shown below have 6" TCMFD at the ends and 10" TCMFD in between racks.

TCMR Configuration	Depth "A" *
TCMR-45U-6	20.294
TCMR-45U-10	24.294
TCMR-45U-16	30.004
TCMR-45U-30	43.794

*Same for 51U configurations
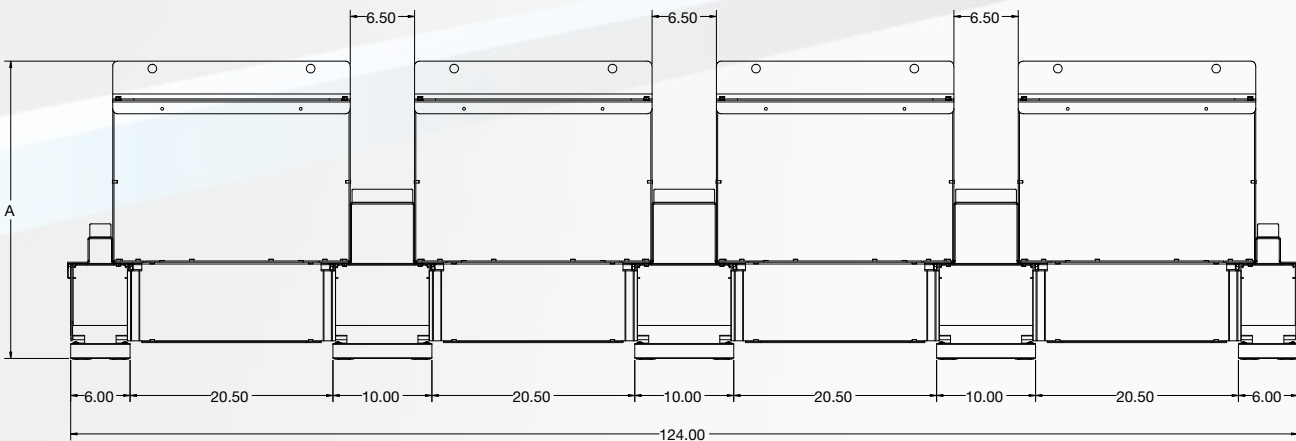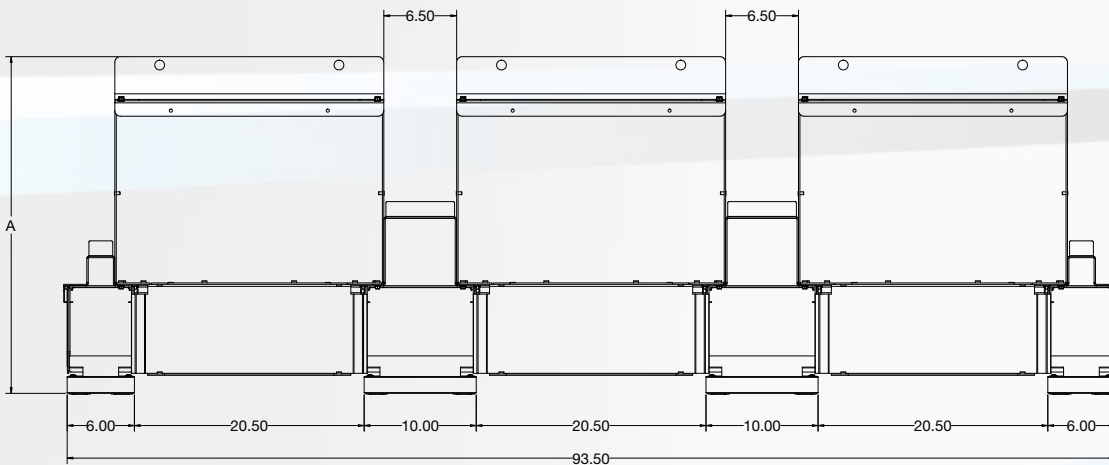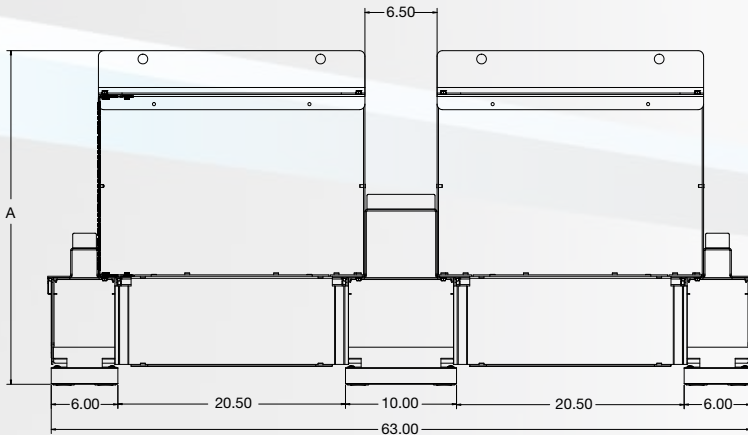
Customization

Although the Titan DT offers millions of standard configurations, many of our customers take advantage of our ability to customize our racks in a very short amount of time at a reasonable cost. If you are looking for a custom size rack, unique color, private branding or a custom cable raceway you can work directly with our engineering department to design a solution specifically for you. Our team will make design recommendations to improve airflow, cable management, cost and overall functionality, while never compromising on quality and performance. Once a cabinet is designed and shipped for the first time, subsequent shipments can be ready in as little as two weeks. Stocking programs are also available to ensure that your cabinets are ready when you need them.

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About AMCO Enclosures

AMCO Enclosures is an IMS Engineered Products brand located on approximately 290,000 square feet of manufacturing space in Des Plaines, Illinois. Electronic packaging, server rack, network rack and data rack manufacturing are our core competencies.

In September 2005, IMS Companies, LLC acquired AMCO Engineering enhancing the sheet metal design and fabrication processes; along with the consolidation of its EXTON division, a custom sheet metal fabricator.

With over 70 years of experience, AMCO Enclosures is a recognized leader in the design, manufacture and integration of standard or custom electronic racks and cabinets for all segments of industry. Its initial role in the market place was as a supplier to the US Military for various projects and programs. The attention to detail as a supplier created a standard line of enclosures that still sets the industry standard to this date. Our eight different standard 19" and 24" rack frame product lines provide solutions for nearly any enclosure requirement. We can also modify standard rack products (configure to order), or create custom racks to meet your specific requirements.

As an ISO9001 registered company, we strive to supply the highest quality electronic enclosure products; incorporating contemporary design, competitive prices and responsive support. Our goal is to ship every time – on time.

A. Choice of Method of Shipment
Unless otherwise specified, AMCO Enclosures are shipped as individual modules per ISTA packaging certification, with single width components assembled on the frame. Upon request, console arrangements will be completely assembled at the factory and shipped like furniture, via van, at no additional charge for assembly. Console arrangements may also be crated for shipment. Crating charges will be quoted for each such order, as console arrangements vary.

B. Design Changes
To allow continued progress, improvement, and adaptability in an advancing industry, AMCO Enclosures reserves the right to make product changes as deemed necessary.

C. Price Discounts
Purchase orders cannot be combined for discount advantages.

D. Proprietary Rights
This catalog and the drawings therein contain information deemed proprietary to AMCO Enclosures and are to be used only for the purposes for which they are submitted and, further, shall not be copied in whole or in part without the prior written consent of AMCO Enclosures.

E. Cancellation and Return
Cancellation and return charges begin at 40% with a minimum of $50.00, depending on the nature of the order and the extent to which it has been processed. All returns have a 30-day, upon receipt time limit. Returns must be freight prepaid and not made without the prior written approval of AMCO Enclosures.

F. Terms
All quotations, order confirmations, published prices and discounts based on delivery F.O.B. AMCO Enclosures, 1 Innovation Drive, Des Plaines, IL 60016 freight collect. Invoice payment terms-net 30 days.

G. Sales Representation
Experienced factory sales representatives are available in all principle cities of the U.S.A., Canada and Mexico. Ask for sales representative listing. AMCO Enclosures equipment is thoroughly inspected prior to shipment. No returns of damaged equipment will be accepted without prior written approval of AMCO Enclosures.

Designed and
Manufactured in the USA

IMS Engineered Products is
ISO9001 Certified

Limited Warranty
AMCO Enclosures will repair or replace enclosures, accessories and components manufactured by AMCO Enclosures that are proven to be defective in material or factory workmanship under normal use during the period of this warranty.

Warranty Period
10 years from date of purchase. (Non-transferable)

This warranty does not cover:
- Failure in whole or part resulting from misuse, alteration, excessive temperature, excessive humidity, corrosive environment or lack of maintenance.
- Any materials or components used or manufactured pursuant to the purchaser's specifications.
- Items ordered in error or not required.

Power/Accessories
Warranty as specified by manufacturer.

Warranty Repair
Purchaser shall obtain controlled authorization number before returning any items alleged to be defective to AMCO Enclosures.

Inspection
AMCO Enclosures shall have the right to inspect any and all allegedly defective items on-site at purchaser's convenience.

Disclaimer of Consequential Damages and Limitations of Implied Warranty
AMCO Enclosures disclaims any responsibility for loss of time or use of parts or equipment wherein AMCO Enclosures components, or accessories are used. This includes any transportation, other incidental or consequential damages. Any implied warranties including the implied warranty of merchantability and fitness for intended use are limited to the duration of this written warranty.
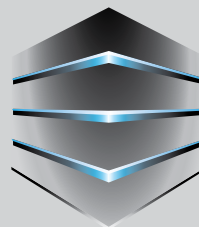
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