



## **Titan Series Systems**



### Standards You Deserve

pg 3	About Titan Core Systems Series
pg 4	Titan 12" Box Core
pg 5	Titan 9" Box Core
pg 6	Titan 6" Box Core
pg 7	Titan 12" & 9" Lower Core
pg 8	Titan 3" Lower Core
pg 9	Upper & Lower Section Side panels
pg 10, 11	Titan 12" & 3" Box Frame & Box Frame Side Panels & Titan Hanging Rail Kit
pg 12,	Titan Over-Counter Shared Upright
pg 13,14	Titan Shelf Kit
pg 15	Cantilever Table Frames
pg 16,17	Wall Rail System & Shelf Kits
pg 18,19	HD Wall Rail System & Shelf Kits
pg 20, 21	Titan Mobile Cart
pg 22, 23	Titan Heavy Duty Mobile Cart
pg 24	Titan Electrical Raceway, Hanging Rail Kits
pg 25	Titan Work Bench (no services)
pg 26	Titan Work Bench (with services)
pg 27	Titan Table Frame



### **Titan Series**

The complete versatility of the Titan system will handle a multitude of functions in the laboratory environment. From research facilities to teaching labs, there is a configuration to meet your requirements. The island core design is extremely adaptable and durable to exceed your laboratory needs. The core has slotted uprights for shelving, table frames, and cabinet options.





### **Key Features**

- Titan Core System configurations can be readily created and easily changed as well as moved for new applications or changing space.
- Can be used in conjunction with suspended, mobile or floor-mounted casework.
- Solid durable construction
- Includes a fine adjust leveling foot
- Static capacity of 2600lbs (on a double sided, four shelves, two table frame unit)
   SEFA tested
- Cantilever table frames available in depths of 24" & 30"
- Available in: 24", 30", 36" 42", 48", 54", 60", 72"
- Cabinets: mobile, hanging, or floor mounted ordered separately
- Counter top options available in Phenolic & Epoxy
- Order shelving separately. There are a variety of options. Shelf brackets are adjustable in 1" increments to allow for multiple configurations. Shelf depths vary based on necessity.
- Standard shelves are 12", 14", 16", and 18" deep. Shelves can be flush to the core uprights or inset 6"between core uprights. 12" inner shelves available to work in conjunction with standard exterior shelves.

### **Titan Box Cores**

### T12 Core:

85" High, available from 24" to 72" wide. Levelers with 1" adjustment. Floor mounted. Suitable for wall or island configurations where general services are needed.

### T9 Core:

85" High, available from 24" to 72" wide. Levelers with 1" adjustment. Floor and wall mounted. Suitable for wall configuration where general services are needed.

### T6 Core:

85" High, available from 24" to 72" wide. Levelers with 1" adjustment. Floor mounted. Suitable for island configuration where general services are needed.

### T3 Core:

85" High, available from 24" to 72" wide. Levelers with 1" adjustment, Lower Removable Panels optional

For wall configuration: Floor and wall mounted when used with cantilever tables, not necessary when used with base cabinets or structural cantilever table frames

**For island configurations:** used only with base units or structural table frames

### Gauges

Post: 14 gauge T12, T9, T3 Inserts: 18 gauge T12, T9 Horizontal supports: 14 gauge T12, T9, T3 Floor Bracket: 10 gauge T12, T9, T3 Shelves: 16 gauge T12, T9, T3

Inserts: T12 & T9, order side covers separately

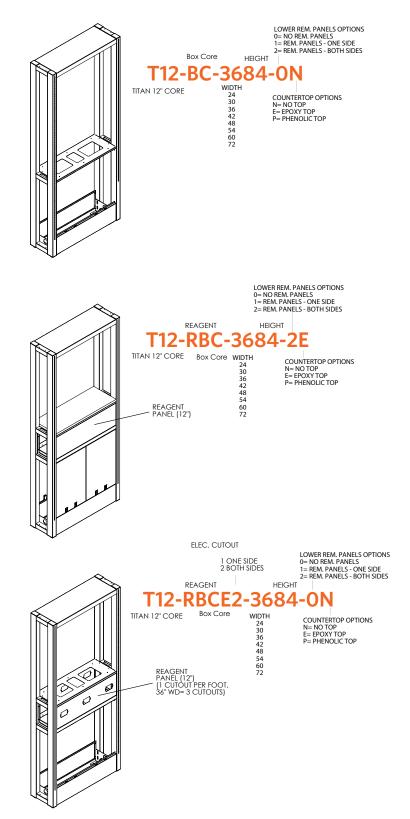
(see side panels section)

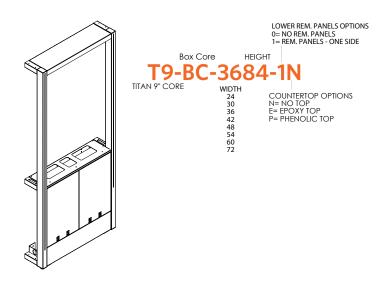
**Shelves:** Ordered separately adjustable in 1" increments max load: 200 lbs per shelf (SEFA). These work with all Titan cores. (see Titan shelf kit section)

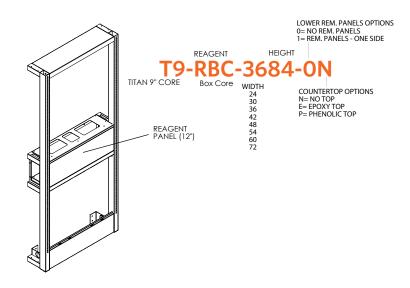
Cantilever table: ordered separately adjustable in 1" increments for 24" or 30" counter top max load: 800lbs (SEFA). These work with all Titan cores.

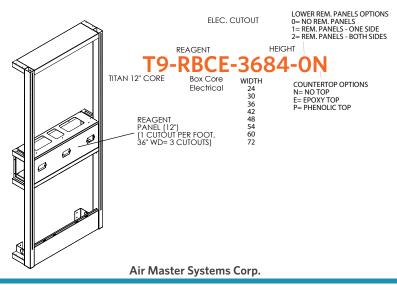
**Structural Cantilever table:** ordered separately adjustable in 1" increments for 24" or 30" counter top. These work with all Titan cores.

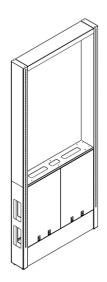
Hanging Cabinets: ordered separately and to be used with cantilever tables.









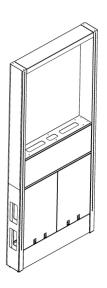


LOWER REM. PANELS OPTIONS 0= NO REM. PANELS 2= REM. PANELS - ONE SIDE Height

Box Core T6-BC-3684-2N

WIDTH 24 30 36 42 48 54 60 72 TITAN 6" CORE

COUNTERTOP OPTIONS N= NO TOP E= EPOXY TOP P= PHENOLIC TOP

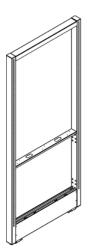


LOWER REM. PANELS OPTIONS 0= NO REM. PANELS 2= REM. PANELS - ONE SIDE Reagent Box Core Height

T6-RBC-3684-2N

WIDTH 24 30 36 42 48 54 60 72 TITAN 6" CORE

COUNTERTOP OPTIONS N= NO TOP E= EPOXY TOP P= PHENOLIC TOP



LOWER REM. PANELS OPTIONS 0= NO REM. PANELS 1= REM. PANELS - ONE SIDE 2= REM. PANELS - BOTH SIDES

Island Panel HEIGHT

Box Core 3684-0N

TITAN 3" CORE

WIDTH 24 30 36 42 48 54 60 72 COUNTERTOP OPTIONS N= NO TOP E= EPOXY TOP P= PHENOLIC TOP



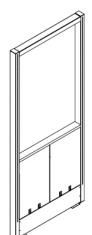
LOWER REM. PANELS OPTIONS 0= NO REM. PANELS 1= REM. PANELS - ONE SIDE 2= REM. PANELS - BOTH SIDES Island Panel

Reagent Box Core

Height T3-IPRBC-3684-2N

TITAN 3" CORE

WIDTH
24
30
36
42
48
54
60
72 COUNTERTOP OPTIONS N= NO TOP E= EPOXY TOP P= PHENOLIC TOP

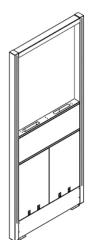


LOWER REM. PANELS OPTIONS 0= NO REM. PANELS 1= REM. PANELS - ONE SIDE Wall Panel

Box Core Height

TITAN 3" CORE WIDTH

COUNTERTOP OPTIONS N= NO TOP E= EPOXY TOP P= PHENOLIC TOP 24 30 36 42 48 54 60 72



LOWER REM. PANELS OPTIONS 0= NO REM. PANELS 1= REM. PANELS - ONE SIDE

Reagent Box Core

T3-WPRBC-3684-1N

TITAN 3" CORE

WIDTH 24 30 36 42 48 54 60 72 COUNTERTOP OPTIONS N= NO TOP E= EPOXY TOP P= PHENOLIC TOP

### **Lower Cores**

**T12 Core:** 3"-6"-3"

Available in 47" and 35" heights available from 24" to 72" wide Levelers with 1" adjustment. Floor mounted. Suitable for wall or island configurations where general services are needed.

**T9 Core:** 3"-6"

Available in 47" and 35" heights available from 24" to 72" wide Levelers with 1" adjustment. Floor and wall mounted. Suitable for wall configuration where general services are needed.

### Gauges

Post: 14 gauge	T12, T9,
Inserts: 18 gauge	T12, T9
Horizontal supports: 14	gauge T12, T9
Floor Bracket: 10 gauge	T12, T9,

**Inserts:** T12 & T9, ordered separately lower removable Panels, side covers

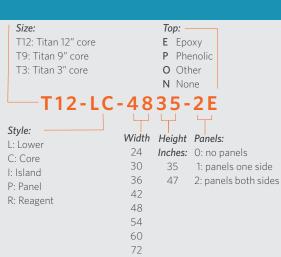
Cantilever table: ordered separately adjustable in 1" increments for 24" or 30" counter top max load: 800lbs (SEFA) T12, T9,

**Structural Cantilever table:** ordered separately adjustable in 1" increments for 24" or 30" counter top T12, T9,

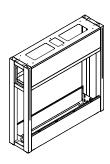
Hanging Cabinets: ordered separately and to be used with cantilever tables. 25" and 31" heights available T12, T9,

Example: SHB-2536

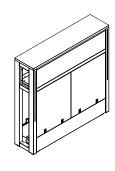
### **The Titan Core**



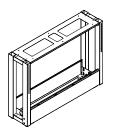
### T12-RLC-4847-0N



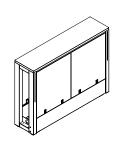
### T12-RLC-4847-2E



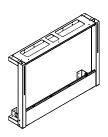
T12-LC-4835-0N



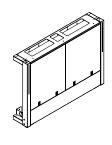
T12-LC-4835-2E



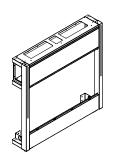
T9-LC-4835-0N



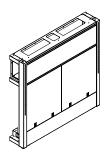
T9-LC-4835-1N

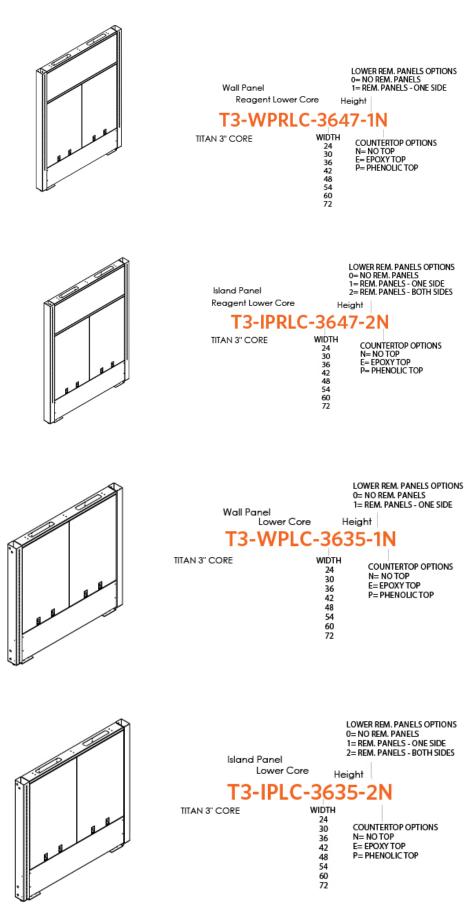


T9-RLC-4847-0N



T9-RLC-4847-1N





### **Side Panels**

UPPER SECTION

### **TSRP-U-BC**

Titan Side Rem. Panel

BC = BOX CORE RBC = REAGENT BOX CORE ı S

UPPER SECTION

2 ELEC. CUTOUTS \*

### TSRP-U-BC-2E2P

Titan Side Rem. Panel

2 PLUMBING BC = BOX CORE 7/8" CUTOUTS \*

RBC = REAGENT BOX CORE

UPPER SECTION

DOUBLE GANG CUTOUTS \*

\* Elec. boxes & fixtures needed are ordered separately. Wiring and plumbing to be done on the field

### TSRP-U-BC-2DG

Titan Side Rem. Panel

BC = BOX CORE RBC = REAGENT BOX CORE



### **LOWER SECTIONS PANELS**

Lower Section

### **TSRP-L**

Titan Side Rem. Panel

UPPER SECTION

ELEC. CUTOUTS \*

### TSRP-U-BC-4E

Titan Side Rem. Panel

BC = BOX CORE RBC = REAGENT BOX CORE



### **TSRP-M**

Titan Side Rem. Panel

Middle Section (Only for reagent cores)

### **T12 Box Frame**



### **Titan Box Frame**

### T12 Box Frame

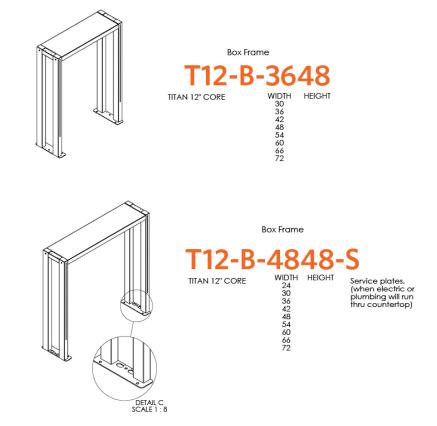
**Gauge:** Uprights are made with 14 gauge CRS 2x3 tubing. The top support is made of Formed 14 gauge CRS. Counter top Brackets are 7 gauge CRS. Optional side panels are 18 gauge CRS

Sizes: Box frames are 48" high and 12" deep. Available from 24" to 72" wide in 6" increments

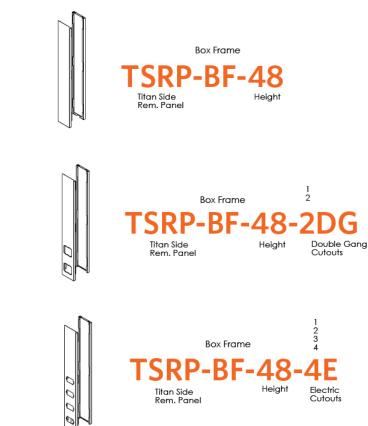
**Shelves:** Load ratings 200lbs per shelf, 400lbs per side (total)

Features: Allow use of vertical space above work surface when needed. Box frames are easily bolted to countertop. Shelving and wall storage used with Titan cores work with box frame uprights. Slotted uprights with 1" increments to allow height adjustment cabinets and shelves. Side panels to cover the space between uprights can be ordered separately and services can be run thru them.

T9 Box Frame (wall mounted) This unit is designed for use when the casework is against the wall. This unit has the same specifications as the T12 Box Frame above except it is 9" deep. This unit is also a single sided unit.



### SIDE PANELS FOR BOX FRAMES





### **Titan T3 Box Frame**

### T3 Box Frame

**Gauge:** Uprights are made with 14 gauge CRS 2x3 tubing. The top support is made of Formed 14 gauge CRS. Counter top Brackets are 7 gauge CRS. Optional side panels are 18 gauge CRS

**Sizes**: Box frames are 48" high and 3" deep. Available from 24" to 72" wide in 6" increments.

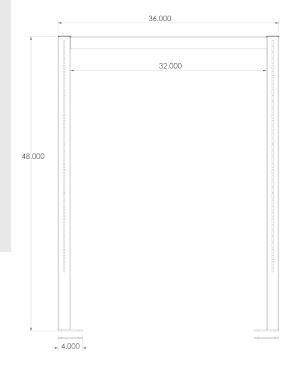
**Load Rating Shelves:** 120lbs total per shelf. (240lbs maximum total per side.)

Features: Allow use of vertical space above work surface when needed. Box frames are easily bolted to countertop. Shelving and wall storage used with Titan cores work with box frame uprights. Slotted uprights with 1" increments to allow height adjustment cabinets and shelves. Side panels to cover the space between uprights can be ordered separately and services can be run thru them.

**Shelves:** Sold Separately(See Titan Shelf Kits page. Shelves are adjustable in 1" increments.)









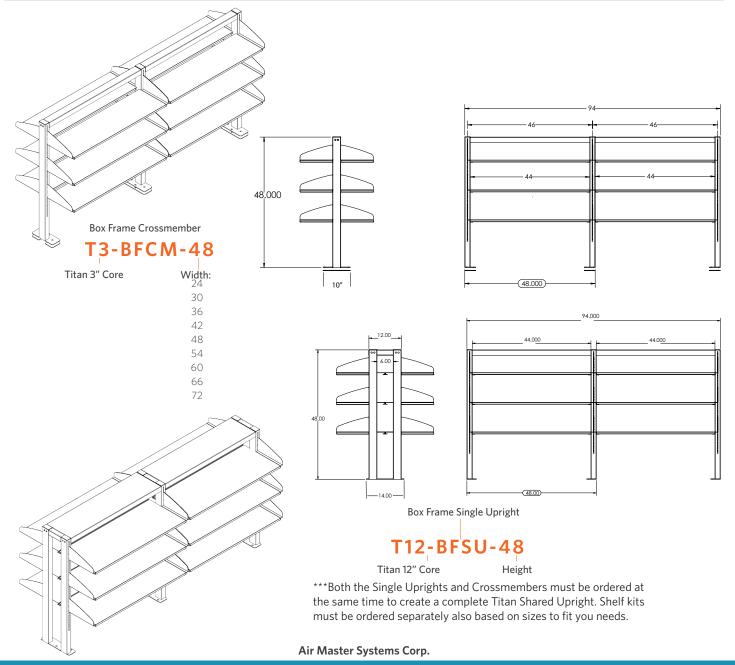
### **Titan Over-Counter Shared Upright**

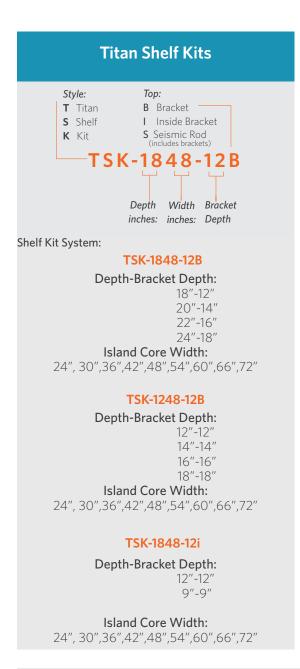
### T12 & T3 Over-Counter Shared Upright

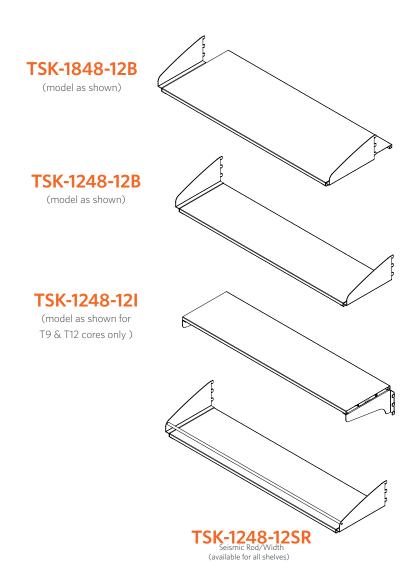
**Gauge:** Uprights are made with 14 gauge CRS 2x3 tubing. The top support is made of Formed 14 gauge CRS. Counter top Brackets are 7 gauge CRS. Optional side panels are 18 gauge CRS

Sizes: Box frames are 48" high and 3" deep. Available from 24" to 72" wide in 6" increments.

**Features:** Allow use of vertical space above work surface when needed. Box frames are easily bolted to countertop. Shelving used with Titan cores work with box frame uprights. Slotted uprights with 1" increments to allow height adjustment cabinets and shelves. Side panels to cover the space between uprights can be ordered separately and services can be run thru them.







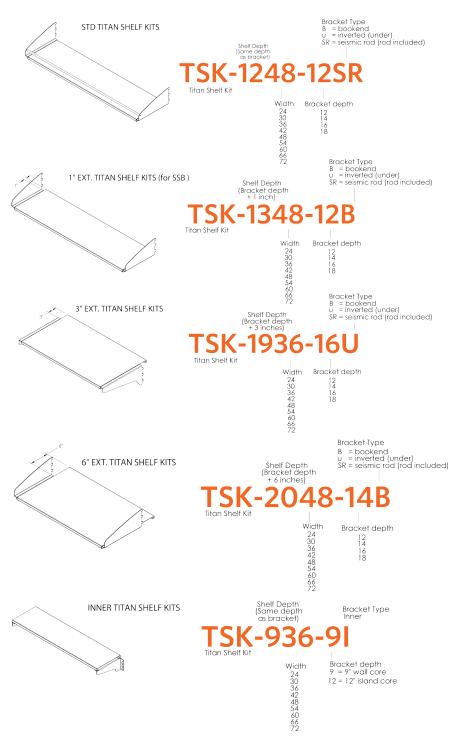
Titan Shelf Kit: These will fit any Titan Core, Titan Box Frames, Titan work Benches, and Titan Mobile Carts.

Bracket Types: Bookend -B Inverted (under) -U Seismic Rod -SR

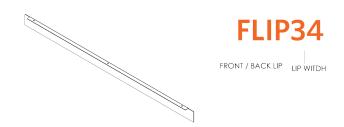
Ordering Tips:

**Widths:** Kit widths should match the width of the core. Box frame or Bench/Cart. (Slots center to center dimension is always 2" less than kit nominal width.)

**Depth:** STD Kits: Shelves are the same depth as brackets and set with flush mount uprights Extended shelf kits: Shelves are deeper than the brackets and extended to the back. We offer 1", 3", and 6" extended shelf kits.



1" HIGH SHELF LIPS (FITS FRONT OR BACK1")



## Cantilever Table Frame Style: Top: S Structural E Epoxy C Cantilever P Phenolic T Table O Other F Frame N None S C T F - 483035 - E Width Depth Height

inches: inches:

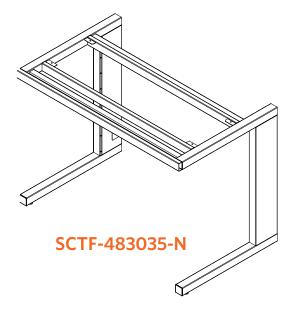
### **Cantilever Table frames**

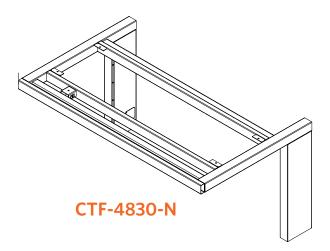
Cantilever Table Frames are an essential component setting a titan configuration in your lab. The frame construction is 14 gauge steel. It has widths of 24" to

72" in 6" increments. The Titan also has capabilities to mount hanging cabinets.

Cantilevered Tables (CTF) attach directly to the core, the core should be bolted to the floor. They can support hanging cabinets or mobile units under the frame. Height adjustable in one inch increments. Depth available 24" to 30" deep. The table will support up to 800lbs.

Structural Support Table Frames (SCTF) attach directly to the core. They support the Island or Wall cores when the cores cannot be bolted to the floor. The table has a fixed height of 30" or 35". The table will support up to 800lbs.





# Wall Rail Shelving H Horizontal V Vertical R Rail D Double S Slotted WRS-VR36 WWS-VR36 WWS-VR36 Style: W Wall R Rail Depth: S System 30"

For Shelving Only: If wall rail cabinets or work surfaces are needed go to the section Wall Rail HD

Shelving only: 1" deep, 1" wide vertical end rails 2" deer, 2" wide middle vertical rails.

### Wall Rail:

1" profile, Available heights: 24", 30", 36", 42" Available widths:

from 24", 30", 36", 42", 48", 54", 60", 66", 72" Proper blocking needed for horizontal rails.

### Components to order:

- -Horizontal channels (2)
- -Vertical Upright Single Slotted (2)
- -Vertical Upright Double Slotted (2)
- -Cover Panels

### Shelves:

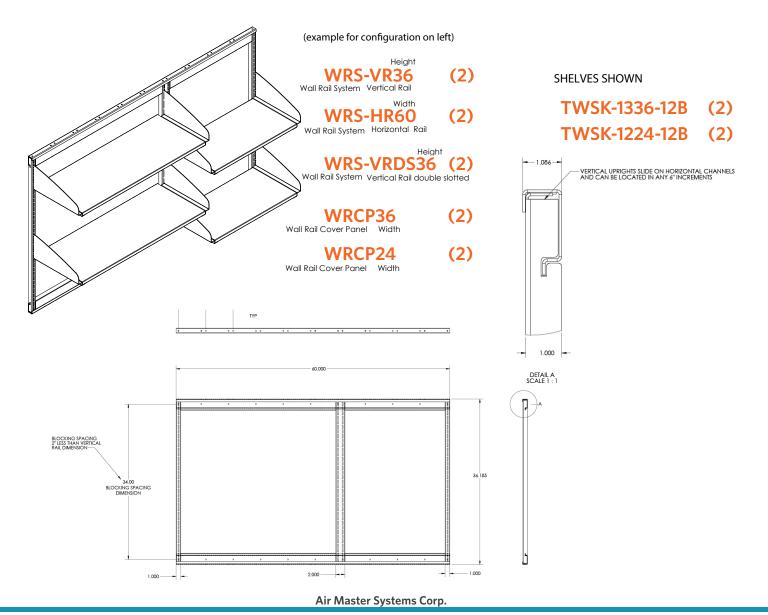
Wall shelf kit ordered separately (See page 17).

Adjustable in 1 " increments

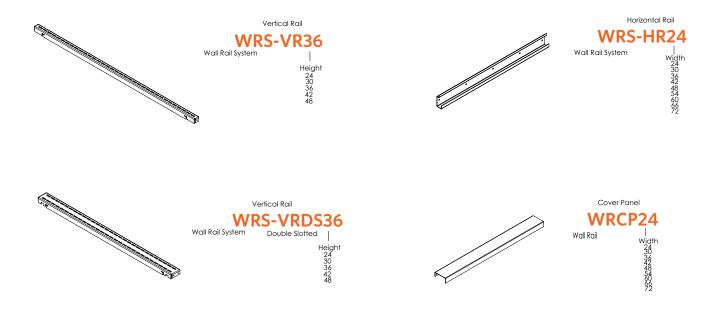
Standard depths: 12", 14", 16", and 18"

### Gauges:

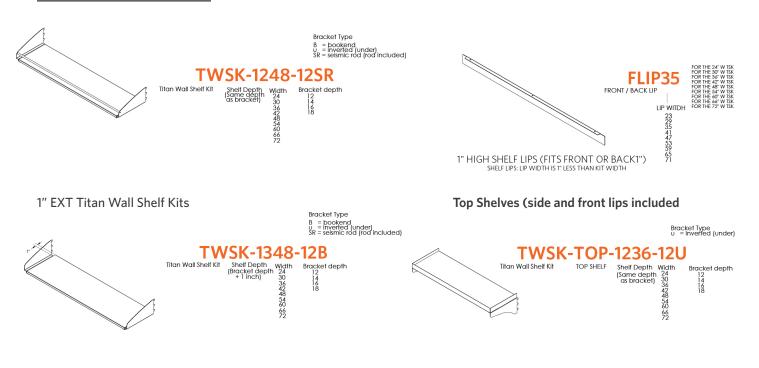
Horizontal channels: 14 Gauge Vertical Uprights: 14 Gauge Channel Cover Panels: 18 Gauge



### Wall Rail System:



### **Standard Titan Wall Shelf Kits:**



### **H** Horizontal **V** Vertical R Rail WRS-VR36-HD Style: W Wall **H** Heavy **R** Rail Depth:

30"

**D** Duty

**Wall Rail HD System** 

**S** System

**CP** Cover Panel

Wall Rail HD: Heavy Duty Rails- capability to support table frames (with optional hanging cabinets) Profile: 1" deep, 2"wide vertical rails Available heights: 24", 30", 36", 42", 48" and 78" Available widths: from 24", 30", 36", 42", 48", 54", 60", 66", 72"

Proper blocking needed for horizontal rails, extra blocking required for 78" high

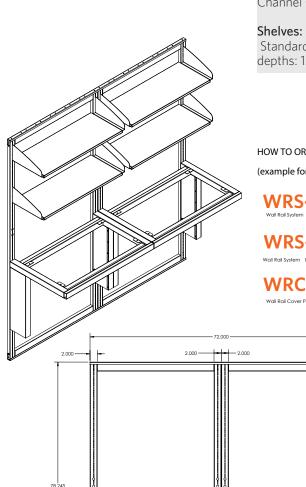
### Components to order:

- -Horizontal channels (2)
- -Vertical Upright Single Slotted (2 per section)
- -Cover Panels

### Gauges:

Horizontal channels: 12 Gauge Vertical Uprights: 12 Gauge Channel Cover Panels: 18 Gauge

Standard or 1" extended shelf kits only. Adjustable in 1 " increments. Standard depths: 12", 14", 16", and 18"



HOW TO ORDER: BY COMPONENTS

(example for configuration on left)

WRS-VRA78-HD

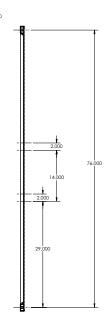
WRS-HR72-HD (2)

WRCP36-HD (4) **SHELVES SHOWN** 

TSK-1336-12B (4)

**TABLES SHOWN** 

CTF-3624-N (2)



### **HD Wall Rail System:**



Wall Rail System





**HD Wall Shelf Kits:** 

### SHELF KITS FOR TITAN WALL RAIL HD

USE TITAN SHELF KITS WHEN USING THE TITAN WALL RAIL HD

### TIPS TO ORDER:

HORIZONTAL RAIL(S) WIDTH SHOULD MATCH THE SUM OF ALL KIT WIDTHS (SEE EXAMPLE ON PRIOR PAGE)  $\,$ 

WIDTH:

- STD KITS: SHELVES ARE SAME DEPTH AS BRACKETS AND SET FLUSH WITH UPRIGHTS
- 1" EXTENDED SHELF KITS: SHELVES ARE 1" DEEPER THAN BRACKETS
- SHELF LIPS: LIP WIDTH IS 1" LESS THAN KIT WIDTH

### Maximum Load Ratings

### Bracket Depth:

12": 200lbs 14": 140lbs 16": 140lbs 18": 100lbs



1" HIGH SHELF LIPS (FITS FRONT OR BACK1")
SHELF LIPS: LIP WIDTH IS 2" LESS THAN KIT WIDTH

22 FOR THE 24" W TSK 28 FOR THE 30" W TSK 34 FOR THE 36" W TSK 40 FOR THE 42" W TSK 46 FOR THE 48" W TSK 52 FOR THE 54" W TSK 58 FOR THE 50" W TSK 64 FOR THE 60" W TSK 64 FOR THE 67" W TSK

### Titan Mobile Cart:

**Titan Cart features:** Fully welded cart base. Uprights are bolted into the base. Structural vertical support for the tables, cabinets (suspended & wall versions) and shelving. Frames can be ganged side by side or back to back. Equipped with 700 lbs locking casters. Levelers and a 750 lbs leveling caster are an option.

**Gauge:** Uprights are made of 14 gauge Cold Rolled Steel 2x3 tubing. The lower top cart support is 14 gauge Cold Rolled Steel. The cart base is made with 2x3 and 2x2 14 gauge Cold Rolled Steel tubing. Cart gussets are made of formed 10 gauge Cold Rolled Steel.

Sizes: Cores come in 2 standard heights: 78" and 36" high units. Widths come in 36", 48", 60", and 72". Depth is 30"

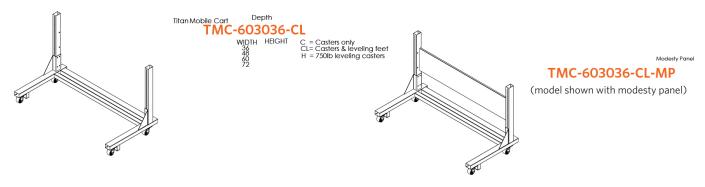
Max Weight load Breakdown: Shelves 200lbs each (600lbs max)

Table Frame 800lbs Bottom Shelf 400lbs

Mobile Cart maximum weight load: 1800lbs



### TITAN MOBILE CART - 30" DEEP 36" HIGH





### Titan Mobile Cart Shelves & Table Frame

Mobile Cantilever Table Frame: are made from 14 gauge Cold Rolled Steel 2x2 and 1x2 tubing, 12 gauge unistrut cross rails and box supports are made from 16 gauge Cold Rolled steel. Features of this table attaches directly into core uprights. The work surface height is adjustable in 1" increments. It includes unistrut rails to hang cabinets. Includes a surface leveling bolt.

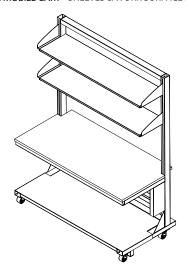
**Sizes:** Frames are 16" high an 23"-30" in depth on the work surface. Widths: 36", 48", 60", and 72"

Mobile Cart Bottom shelf: Gauges: all bottom shelf components are made of 14 gauge steel. Shelf sizes: 26" deep, widths: 36", 48", 60", and 72". Features: Shelf fits perfectly on base cart assembly, no fasteners required. All shelves have a welded hat channel reinforcement. Max load 400lbs.

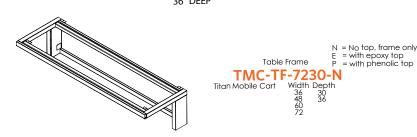
Shelves: All Titan shelf kits will work with this unit.



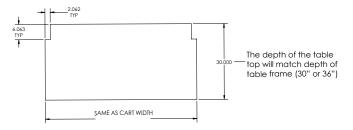
### TITAN MOBILE CART - SHELVES & WORK SURFACES



### TABLE FRAME - 30" DEEP 36" DEEP



### COUNTERTOP DIMENSIONS



### TITAN SHELF KITS

All Titan Shelf Kits (TSK\_\_\_) can be used with Titan Mobile Cart See Titan Shelf Kits for more details



### CART BOTTOM SHELF



### **Heavy Duty Mobile Cart:**

**Heavy Duty features:** Fully welded cart base. Uprights are bolted into the base. Structural vertical support for the tables, cabinets (suspended & wall versions) and shelving. Frames can be ganged side by side or back to back. Equipped with 700 lbs locking casters. Levelers and a 750 lbs leveling caster are an option.

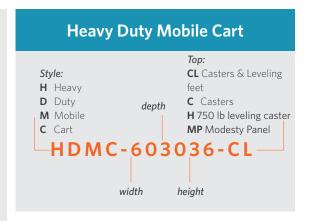
**Gauge:** Uprights are made of 14 gauge Cold Rolled Steel 2x3 tubing. The lower top cart support is 14 gauge Cold Rolled Steel. The cart base is made with 2x3 and 2x2 14 gauge Cold Rolled Steel tubing. Cart gussets are made of formed 10 gauge Cold Rolled Steel.

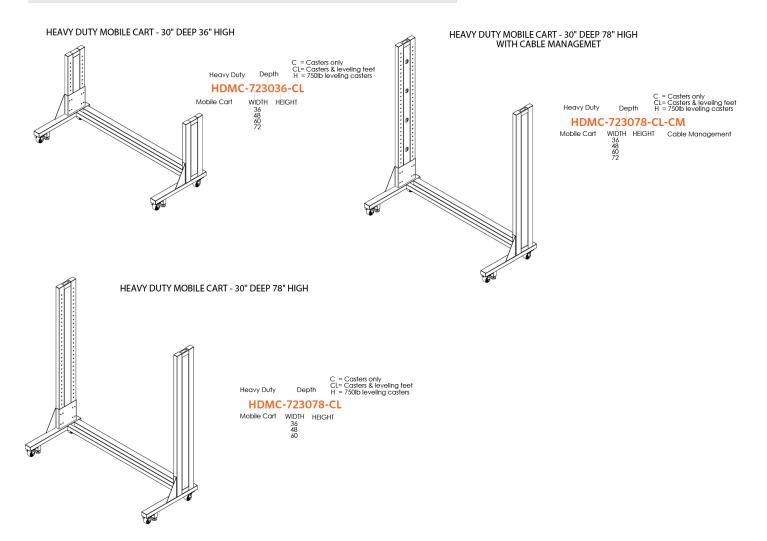
Sizes: Cores come in 2 standard heights: 78" and 36" high units. Widths come in 36", 48", 60", and 72". Depth is 30"

Max Weight load Breakdown: Shelves 600lbs each (1200lbs max)

Table Frame 800lbs Bottom Shelf 600lbs

Mobile Cart maximum weight load: 2600lbs





### **Heavy Duty Mobile Cart:**

Heavy Duty features: Fully welded cart base. Uprights are bolted into the base. Structural vertical support for the tables, cabinets (suspended & wall versions) and shelving. Frames can be ganged side by side or back to back. Equipped with 700 lbs locking casters. Levelers and a 750 lbs leveling caster are an option.

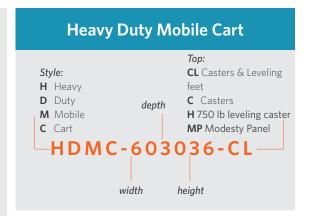
**Gauge:** Uprights are made of 14 gauge Cold Rolled Steel 2x3 tubing. The lower top cart support is 14 gauge Cold Rolled Steel. The cart base is made with 2x3 and 2x2 14 gauge Cold Rolled Steel tubing. Cart gussets are made of formed 10 gauge Cold Rolled Steel.

Sizes: Cores come in 2 standard heights: 78" and 36" high units. Widths come in 36", 48", 60", and 72". Depth is 30"

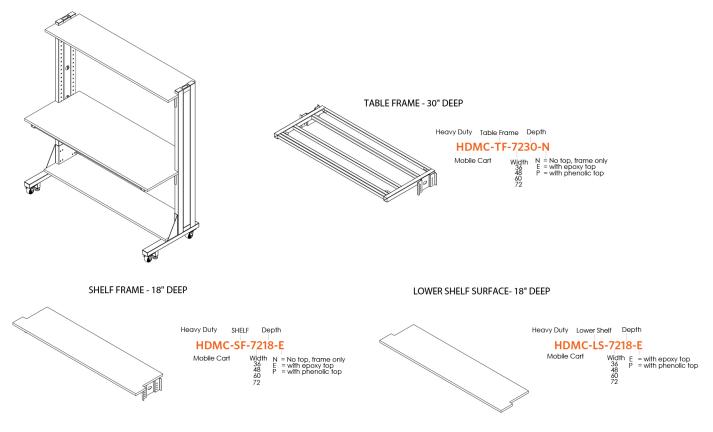
Max Weight load Breakdown: Shelves 600lbs each (1200lbs max)

Table Frame 800lbs Bottom Shelf 600lbs

Mobile Cart maximum weight load: 2600lbs



### **HEAVY DUTY MOBILE CART - SHELVES & WORK SURFACES**







### TITAN HANGING RAIL KIT

IT CAN BE ORDERED TO MOUNT WALL CABINETS IN ANY TITAN CORE, BOX FRAME, TITAN BENCH OR TITAN MOBILE CART

### Titan System Accessories:

### Titan Hanging Rail Kit:

1" profile, Available heights: 24", 30", 36", & 42"

### Titan Raceway:

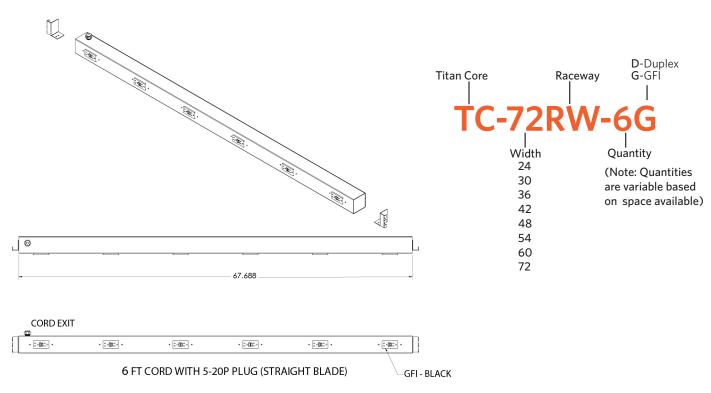
-Horizontal channels (2)

### Gauges:

Horizontal channels: 14 Gauge Vertical Uprights: 14 Gauge Channel Cover Panels: 18 Gauge

### Shelves:

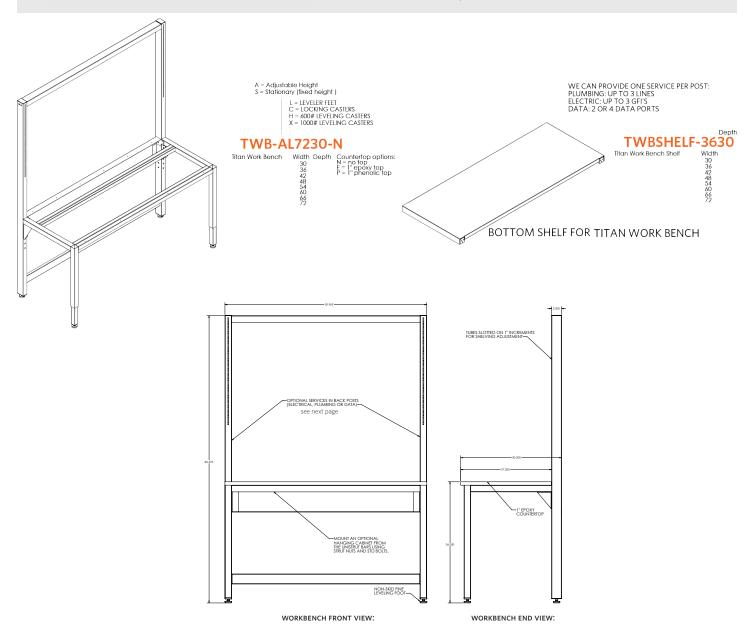
Wall shelf kit ordered separately. Adjustable in 1 " increments Standard depths: 12", 14", 16", and 18"



### **Titan Work Bench (no services)**



**Titan Work Bench (TWB)** gives the maximum flexibility for configuring your lab. Wall and island configurations can be readily created and easily changed as well as moved for new applications or changing space. Can be used in conjunction with suspended, mobile or floor-mounted casework Standard tables are 30" high and 36" deep. Adjustable height units range from 29–38" high. They can be fixed or adjustable in height. In this model you can have leveling feet or casters installed. The table will support up to 1,000lbs. Order WB shelving separately. Shelf brackets are adjustable in 1" increments to allow for multiple configurations. Standard shelves are 12" or 16" deep.



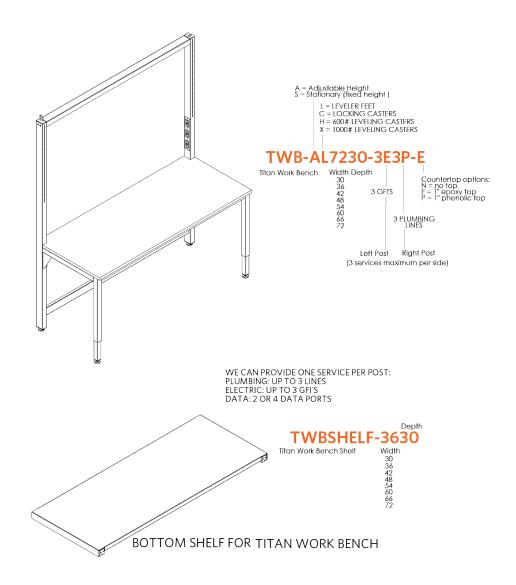
TWB-SL6030-E

(model as shown)

### Titan Work Bench (with services)



**Titan Work Bench (TWB)** gives the maximum flexibility for configuring your lab. Wall and island configurations can be readily created and easily changed as well as moved for new applications or changing space. Can be used in conjunction with suspended, mobile or floor-mounted casework Standard tables are 30" high and 36" deep. Adjustable height units range from 29–38" high. They can be fixed or adjustable in height. In this model you can have leveling feet or casters installed. The table will support up to 1,000lbs. Order WB shelving separately. Shelf brackets are adjustable in 1" increments to allow for multiple configurations. Standard shelves are 12" or 16" deep.

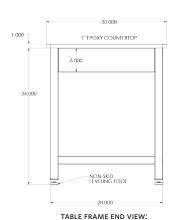


### **Table Frame**



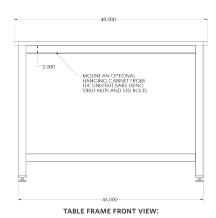
Table Frames Free Standing (TF) gives the maximum flexibility for configuring your lab. These tables are 30" and 36" deep. They can be fixed or adjustable in height. In this model you can have leveling feet or casters installed. The table will support up to 1,000lbs.











**TF-SL4830-E** (model as shown)