



T&B® Express Tray

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T&B® Express Tray

Overview



The demands placed on structured cabling systems and their designers, installers and maintainers are increasingly complex and rapidly changing. In such a fast-paced industry, shouldn't cabling infrastructures be able to move just as quickly?

Enter T&B® Express Tray - the fast track solution for managing light power, voice and data cables.

The latest addition to Thomas & Betts' comprehensive cable management product offering, T&B® Express Tray can be formed into any conceivable configuration with a minimum of planning and installation time. What's more, T&B® Express Tray offers the ultimate in flexibility, enabling cabling systems to be adapted quickly and cost efficiently as needs change.

In a market where the final destination keeps on changing, T&B® Express Tray lets you change direction and get there first.

The T&B® Express Tray cable management system is readily available at your local Thomas & Betts distributor. For the location nearest you, contact your Thomas & Betts Regional Sales Office.

Simplicity

The system is simple. Tray, hardware, a wire cutter and a nut driver are all that's needed to start managing cable the T&B® Express Tray way.

T&B® Express Tray components are as strong as they are lightweight and can be used in a wide range of commercial and industrial environments. Trays are easy to handle and can be assembled using a minimum of manpower, hardware, and installation tools.

Efficiency

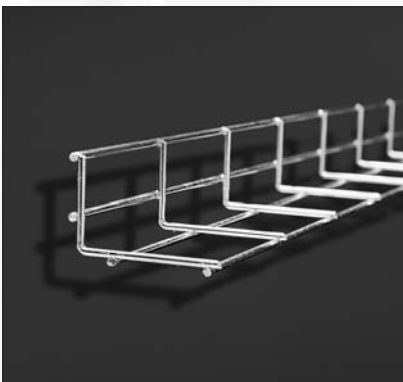
No complicated layouts required prior to arriving on the job site, no waiting for overlooked components to arrive — a cabling infrastructure built using the T&B® Express Tray system can be customized on site using only a wire cutter and a nut driver. And, all this is possible with little or no wasted material - even cut trays can be reused.

Express is for simplicity

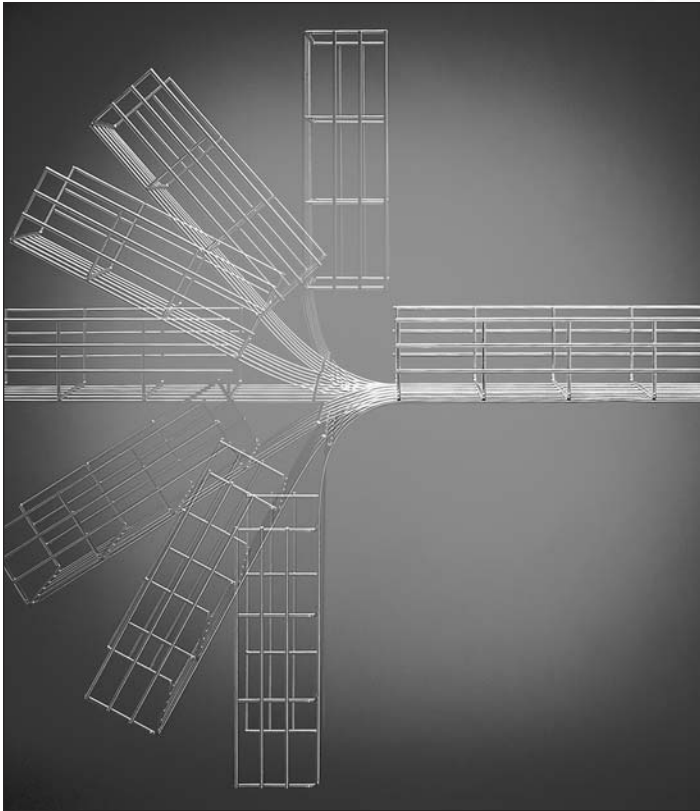
Express is for efficiency

Express is for versatility

Express is for flexibility



T&B® Express Tray



Versatility

T&B® Express Tray requires no corner, crossing or bend elements. Horizontal bends, vertical bends, drops outs, T-junctions, crossings, and more—any configuration can be achieved with a length of tray and a wire cutter. By simply cutting wires and bending into position, T&B® Express Tray can meet the most challenging cable layouts and circumvent any mechanical obstacle.


Flexibility

As workplace needs change, the system can easily be reconfigured to meet new requirements. Whether in new construction or retrofit projects, T&B® Express Tray's versatility makes cable routing, management and maintenance easier than ever.

Whatever the challenges, T&B® Express Tray has the power to get the project on track and completed on time at the minimum installed cost.

Getting started

This catalog is a hands-on guide for selecting, ordering and using the T&B® Express Tray cable management system.

Select the profile, width and tray finish required. Refer to the Quick Reference for an overview of typical tray configurations and support methods. Use the Express Tip () references in the hardware section to locate specific configurations and support methods in which components are used.



It's all here. Turn the page to get started.

Thomas & Betts

T&B® Express Tray

U-Profile

2" Deep U-Profile – Low profile for confined spaces

The most frequently specified of the T&B® Express Tray profiles, the 2" deep U-profile is ideally suited for light- to medium-duty commercial and industrial applications

where space is at a premium. A low, 2-inch profile has less wires to cut and minimizes installation time.

Description

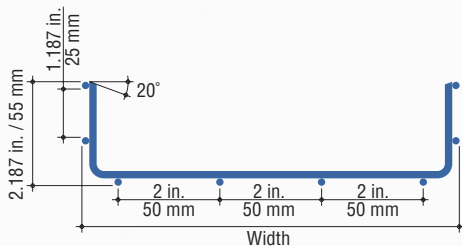
- Welded wire-mesh, cable management system made of high mechanical strength steel wire.
- Standard tray length is 10 feet nominal (3 meters actual).
- Mesh measurement of 2" x 4" is standard for all widths of tray except 2".
- Eight (8) tray widths available ranging from 2" to 24".
- Available in electroplated steel, hot-dipped galvanized steel and stainless steel.
- Temperature range
-45°C (-49°F) to 150°C (302°F).
- For loading data, refer to the tables on pages 36 and 37 of this catalog.

Applications

Network cabling, wiring closets, fiber-to-desktop applications and more, this tray profile is often installed in suspended ceiling plenum areas and under computer room flooring. The 2"-width is especially suited for power and communication drops out of Express Tray™ or conventional ladder tray.

T&B® Express Tray

Dimensions



(Actual size)

Width in.	Width mm	Wire Count	
		Top	Bottom
2	50	1	1
4	100	2	2
6	150	3	3
8	200	4	4
12	300	6	6
16	400	8	8
18	450	9	9
20	500	10	10
24	600	12	12

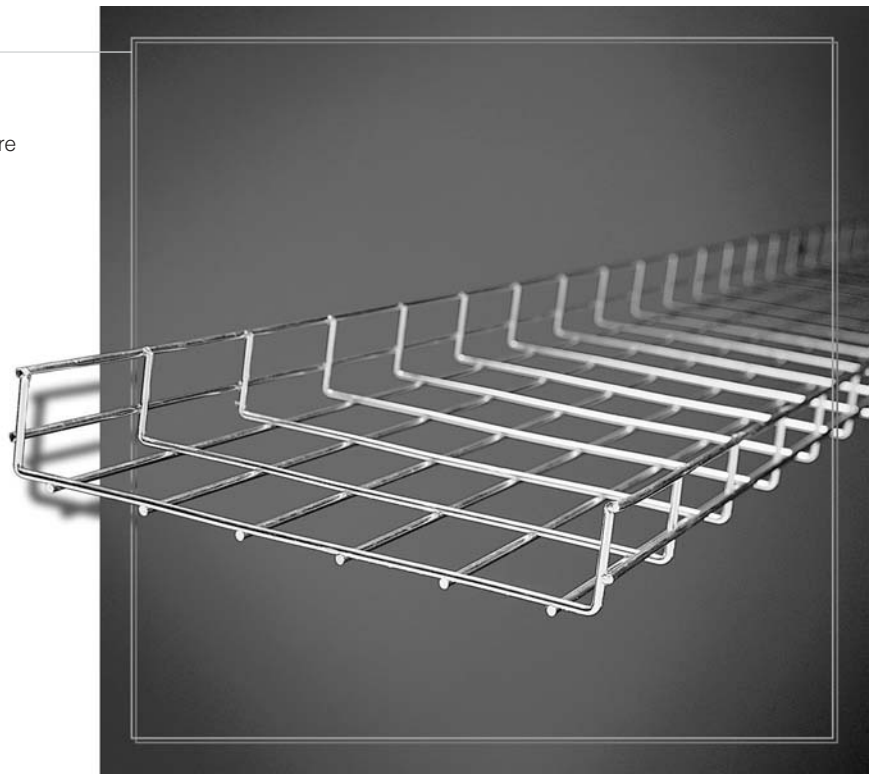
Thomas & Betts

T&B® Express Tray

U-Profile

Features

- **Low profile**
provides flexibility in confined spaces where there are many obstacles to bypass.
- **User-friendly**
installs in less time than conventional tray with no complex layouts, a minimum of tools and less wasted material.
- **Wide range of tray widths**
2" to 24" widths accommodate as many or as few cables as required.
- **2" x 4" mesh size**
allows cables to be routed in or out without cutting wires.
- **Open design**
continuous airflow prevents overheating and the build-up of dust and contaminants.
- **Chamfered side edge**
minimizes risk of injury for installer and damage to cables during installation.



Indoor applications

Outdoor installations exposed to corrosion accelerators, indoor applications requiring more corrosion protection.

Applications requiring the maximum corrosion protection, both indoor and outdoor.

ELECTROPLATED					HOT-DIPPED GALVANIZED					STAINLESS STEEL (Type 304)				
Wire Øin.	Wire Ømm	Catalog Number	Weight lb/ft	Weight kg/m	Wire Øin.	Wire Ømm	Catalog Number	Weight lb/ft	Weight kg/m	Wire Øin.	Wire Ømm	Catalog Number	Weight lb/ft	Weight kg/m
5/32	3.9	ETU 2002SE10	0.43	0.63	5/32	3.9	ETU 2002SH10	0.44	0.65	—	—	—	—	—
5/32	3.9	ETU 2004SE10	0.49	0.72	5/32	3.9	ETU 2004SH10	0.50	0.74	5/32	3.9	ETU 2004SS10	0.52	0.77
5/32	3.9	ETU 2006SE10	0.56	0.83	5/32	3.9	ETU 2006SH10	0.58	0.85	—	—	—	—	—
11/64	4.4	ETU 2008SE10	0.86	1.27	11/64	4.4	ETU 2008SH10	0.87	1.28	11/64	4.4	ETU 2008SS10	0.72	1.06
11/64	4.4	ETU 2012SE10	1.28	1.89	11/64	4.4	ETU 2012SH10	1.35	1.99	11/64	4.4	ETU 2012SS10	0.95	1.40
3/16	4.8	ETU 2016SE10	1.56	2.30	3/16	4.8	ETU 2016SH10	1.61	2.37	3/16	4.8	ETU 2016SS10	1.55	2.28
3/16	4.8	ETU 2018SE10	1.70	2.51	—	—	—	—	—	—	—	—	—	—
3/16	4.8	ETU 2020SE10	1.84	2.71	3/16	4.8	ETU 2020SH10	1.91	2.82	3/16	4.8	ETU 2020SS10	1.86	2.74
3/16	4.8	ETU 2024SE10	2.13	3.14	3/16	4.8	ETU 2024SH10	2.18	3.21	3/16	4.8	ETU 2024SS10	2.38	3.51

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T&B® Express Tray

U-Profile

4" Deep U-Profile – High profile for heavier loads

The 4" deep U-profile T&B® Express Tray is ideally suited for light- to medium-duty applications where more load capacity is required. The higher profile securely contains

bulky cables, reducing the risk of cables falling out of heavily loaded trays.

Description

- Welded wire-mesh, cable management system made of high mechanical strength steel wire.
- Standard tray length is 10 feet nominal (3 meters actual).
- Mesh measurement of 2" x 4" is standard for all widths of tray.
- Seven (7) tray widths available ranging from 4" to 24".
- Electroplated and hot-dipped galvanized finishes available.
- Temperature range -45°C (-50°F) to 150°C (300°F).
- For loading data, refer to the tables on page I36 and I37 of this catalog.

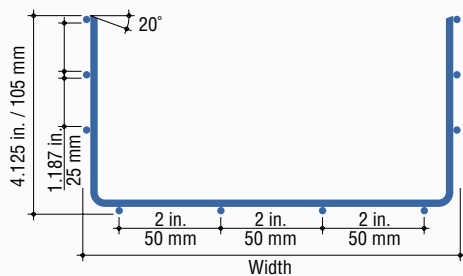
Applications

Network cabling, wiring closets, fiber-to-desktop applications and more, this tray profile can be installed in suspended ceiling plenum areas and under computer room flooring and is often used to route cables on main runs in combination with the 2" U-profile for branch runs.

T&B® Express Tray

(Actual size)

Dimensions



Width in.	Width mm	Wire Count
2	50	—
4	100	U
6	150	U
8	200	U
12	300	U
16	400	U
18	450	U
20	500	U
24	600	U

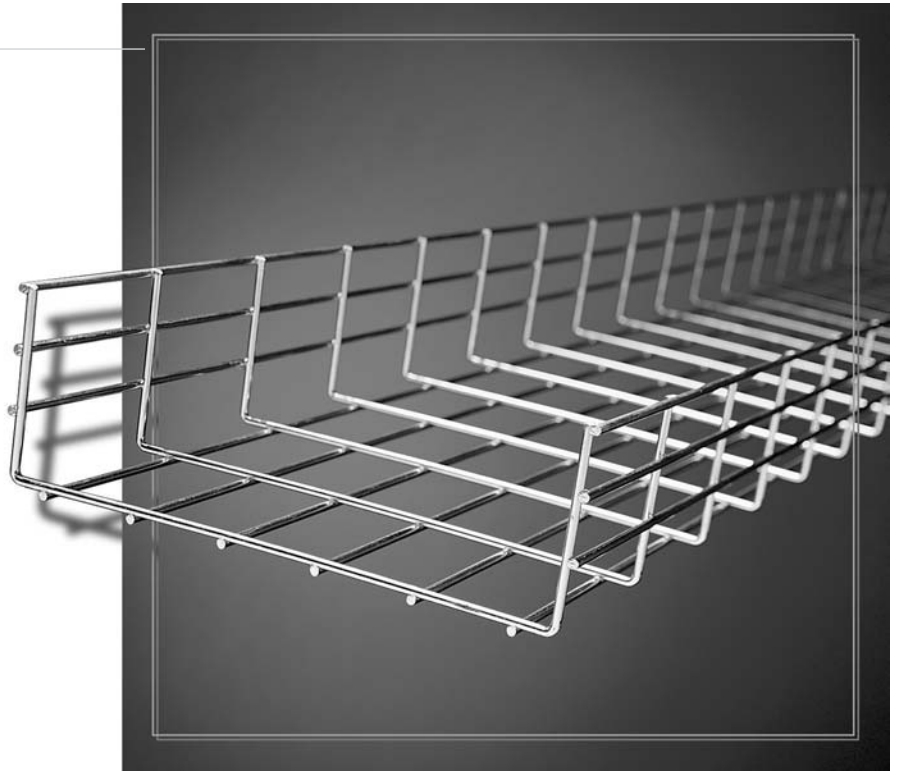
Thomas & Betts

T&B® Express Tray

U-Profile

Features

- **Higher profile**
enhances loading capacity, increases strength for more demanding applications, and prevents cable fallout.
- **User-friendly**
installs in less time than conventional tray with no complex layouts, a minimum of tools and less wasted material.
- **Wide range of tray widths**
4" to 24" widths accommodate as many or as few cables as required.
- **2" x 4" mesh size**
allows cables to be routed in or out without cutting wires.
- **Open design**
continuous airflow prevents overheating and the build-up of dust and contaminants.
- **Chamfered side edge**
minimizes risk of injury for installer and damage to cables during installation.



Indoor applications

Outdoor installations exposed to corrosion accelerators, indoor applications requiring more corrosion protection.

This profile is not available in stainless steel.

ELECTROPLATED					HOT-DIPPED GALVANIZED					STAINLESS STEEL (Type 304)				
Wire Øin.	Wire Ømm	Catalog Number	Weight lb/ft	Weight kg/m	Wire Øin.	Wire Ømm	Catalog Number	Weight lb/ft	Weight kg/m	Wire Øin.	Wire Ømm	Catalog Number	Weight lb/ft	Weight kg/m
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5/32	3.9	ETU 4004SE10	0.70	1.03	5/32	3.9	ETU 4004SH10	0.72	1.06	—	—	—	—	—
5/32	3.9	ETU 4006SE10	0.80	1.03	5/32	3.9	ETU 4006SH10	0.85	1.25	—	—	—	—	—
11/64	4.4	ETU 4008SE10	1.13	1.66	11/64	4.4	ETU 4008SH10	1.16	1.71	—	—	—	—	—
3/16	4.8	ETU 4012SE10	1.44	2.12	3/16	4.8	ETU 4012SH10	1.47	2.16	—	—	—	—	—
3/16	4.8	ETU 4016SE10	1.74	2.56	3/16	4.8	ETU 4016SH10	1.77	2.61	—	—	—	—	—
3/16	4.8	ETU 4018SE10	1.89	2.78	—	—	—	—	—	—	—	—	—	—
3/16	4.8	ETU 4020SE10	2.03	2.99	3/16	4.8	ETU 4020SH10	2.07	3.05	—	—	—	—	—
3/16	4.8	ETU 4024SE10	2.33	3.43	3/16	4.8	ETU 4024SH10	2.37	3.49	—	—	—	—	—

Thomas & Betts

T&B® Express Tray

C-Profile

2½" Deep C-Profile – High strength for demanding applications

The 2½" C-profile is ideally suited for more demanding applications that require high strength and cable protection in a lower profile. The additional rigidity offered by the C-profile

makes possible dual-purpose installations such as installing power and communications cabling in one main run.

Description

- Welded wire-mesh, cable management system made of high mechanical strength steel wire.
- Standard tray length is 10 feet nominal (3 meters actual).
- Mesh measurement varies according to tray width. Refer to dimensions below.
- Five (5) tray widths available ranging from 2" to 16".
- Available in hot-dipped galvanized steel and stainless steel.
- Temperature range
-45°C (-49°F) to 150°C (302°F).

Applications

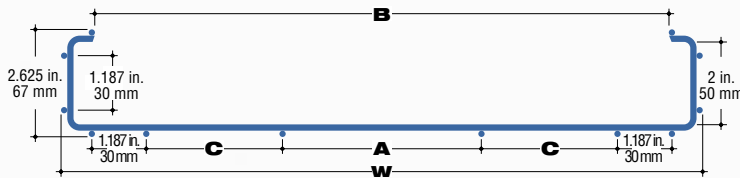
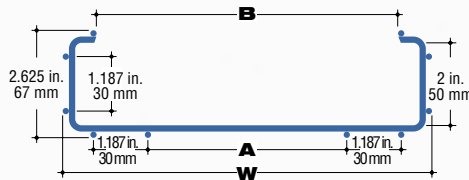
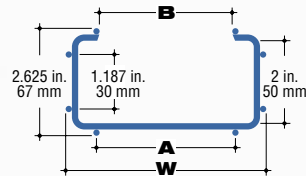
Structured cabling for voice, power and data applications in commercial buildings, industrial facilities, manufacturing plants and outdoor installations.

T&B® Express Tray

(Actual size)

Dimensions

Width	2 in. 50 mm	4 in. 100 mm	8 in. 200 mm	12 in. 300 mm	16 in. 400 mm
W	2 in. 50 mm	4 in. 100 mm	8 in. 200 mm	12 in. 300 mm	16 in. 400 mm
A	1.187 in. 30 mm	3.125 in. 80 mm	4.75 in. 120 mm	4.75 in. 120 mm	4.75 in. 120 mm
B	1.0 in. 25 mm	3.0 in. 75 mm	6.875 in. 175 mm	10.75 in. 275 mm	14.75 in. 375 mm
C	—	—	—	2.0 in. 50 mm	4.0 in. 100 mm



Wire Count

Width in.	Width mm	Wire Count
2	50	
4	100	
6	150	
8	200	
12	300	
16	400	
20	500	
24	600	

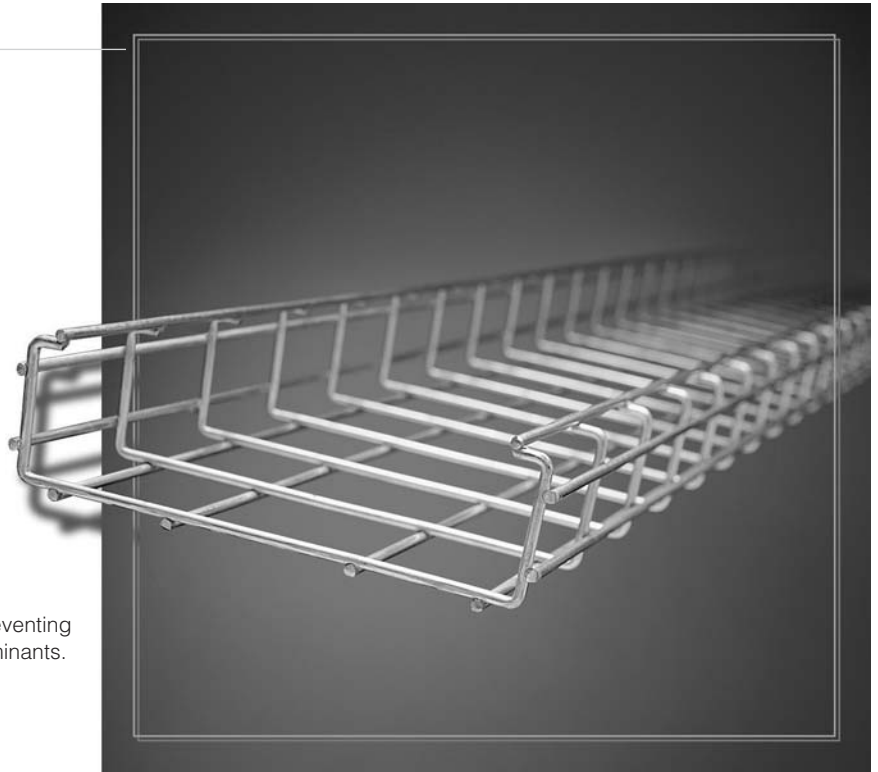
Thomas & Betts

T&B® Express Tray

C-Profile

Features

- **Flanged sides**
increase tray rigidity and strength while providing protection and containment for cables.
- **C-profile**
offers increased load capacity in a lower profile.
- **High rigidity and loading capabilities**
increase potential for multi-use applications and maximize use of space.
- **User-friendly**
installs in less time than conventional tray with no complex layouts, a minimum of tools and less wasted material.
- **Wide range of tray widths**
2" to 16" widths accommodate as many or as few cables as required.
- **Open design**
allows cables to be routed in or out without cutting wires and provides continuous airflow, preventing overheating and the build-up of dust and contaminants.
- **Chamfered side edge**
minimizes risk of injury for installer and damage to cables during installation.



This profile is not available in electroplated steel.

Outdoor installations exposed to corrosion accelerators, indoor applications requiring more corrosion protection.

Applications requiring the maximum corrosion protection, both indoor and outdoor.

ELECTROPLATED					HOT-DIPPED GALVANIZED					STAINLESS STEEL (Type 304)				
Wire Øin.	Wire Ømm	Catalog Number	Weight lb/ft	Weight kg/m	Wire Øin.	Wire Ømm	Catalog Number	Weight lb/ft	Weight kg/m	Wire Øin.	Wire Ømm	Catalog Number	Weight lb/ft	Weight kg/m
—	—	—	—	—	5/32	3.9	ETC 2502SH10	0.92	1.35	5/32	3.9	ETC 2502SS10	0.92	1.35
—	—	—	—	—	5/32	3.9	ETC 2504SH10	1.01	1.49	5/32	3.9	ETC 2504SS10	1.01	1.49
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	11/64	4.4	ETC 2508SH10	1.21	1.78	11/64	4.4	ETC 2508SS10	1.21	1.78
—	—	—	—	—	3/16	4.8	ETC 2512SH10	1.38	2.03	—	—	—	—	—
—	—	—	—	—	3/16	4.8	ETC 2516SH10	1.57	2.31	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

T&B® Express Tray

T&B® Express Tray

L-Profile and Tools

L-Profile

The L-profile T&B® Express Tray uses existing structures, such as columns and beams, to route cables by creating

an enclosed space between the tray and structural steel profiles.

Description

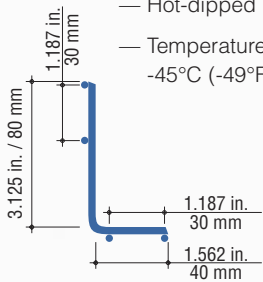
- Welded wire-mesh, cable management system made of high mechanical strength steel wire.
- Standard tray length is 6 feet nominal (2 meters actual).
- Hot-dipped galvanized finish.
- Temperature range
-45°C (-49°F) to 150°C (302°F).

Applications

Structured cabling for voice, power and data applications in commercial buildings, industrial plants, manufacturing facilities and outdoor installations.

Warning:

Drilling holes and welding directly onto I-beams is prohibited by Building Codes. Use beam clamps shown on page 122.



(Actual size)

T&B® Express Tray

Catalog number

ETL 3001SH6

Weight

lb/ea.	kg/ea.
0.44	0.20

Angular Offset Wire Cutters & Nut Drivers

The T&B® Express Tray cable management system is designed to adapt quickly and easily to changing specifications and project requirements. All tray is cut to measure on the job site using these top quality, angular offset wire cutters, bent to the correct radius and then installed using the nut driver and the appropriate T&B® Express Tray hardware and supports.

For the best results, always use T&B® Express Tray wire cutters. With blades made of hardened steel alloy, these wire cutters are easy to use and produce a quick, clean cut. Refer to Figure 1 for correct tool positioning and Figure 2 for wire cutting order. Place all T&B® Express Tray bottom-side up before cutting for optimum results.

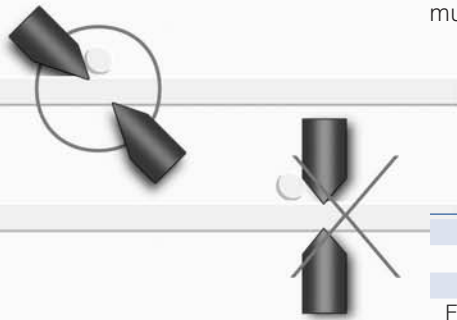


Figure 1- Correct positioning

Position the blades on the cross wire and cut away from the new end.

Item	Catalog number	Overall Length		Weight	
		inch	cm	lb/ea.	kg/ea.
Wire Cutter	ET-TOOL	26.0	66.0	6.00	2.72
Nut Driver	ET-DRIVER	6.5	16.5	0.22	0.10
Nut Socket	ET-SOCKET	2.5	6.4	0.07	0.03
Flat Double Cut File	ET-FILE	12.0	30.0	0.22	0.10

Thomas & Betts

T&B® Express Tray

L-Profile and Tools

Features

- **Angled design**
makes use of existing structures for drops and runs, simplifying installation.
- **User-friendly**
installs in less time than conventional tray with no complex layouts, a minimum of tools and less wasted material.
- **Open design**
allows cables to be routed in or out without cutting wires and provides continuous airflow, preventing overheating and the build-up of dust and contaminants.
- **Chamfered side edge**
minimizes risk of injury for installer and damage to cables during installation.

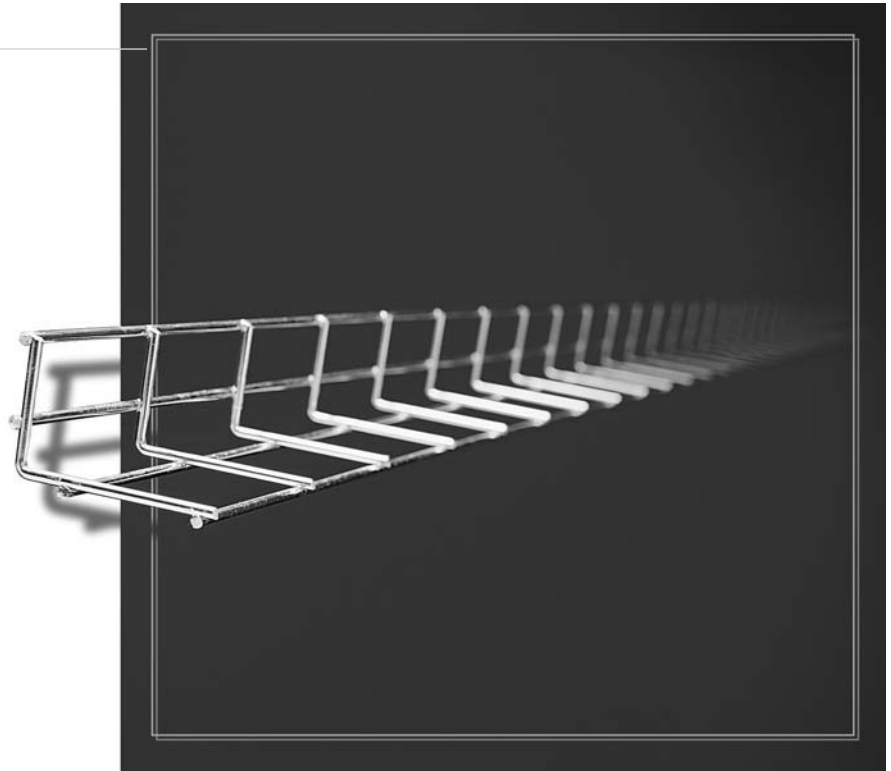


Figure 2- Cutting order

Place tray bottom-side up and cut wires in the order indicated.

Wear safety glasses when cutting tray.

WARNING:

Wire cutters often leave sharp projections on the cut wire. For optimum safety, Thomas & Betts strongly recommends that all sharp ends be removed with an electric grinder or file.



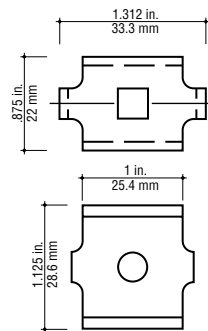
T&B® Express Tray

Hardware

Universal Splice



Dimensions



The most widely used connection method for non-radiused bends or joints, the universal splice is compatible with all profiles and is offered in hot-dipped galvanized steel and stainless steel.

i Refer to pages I26, I27, I28 and I29 for application examples.



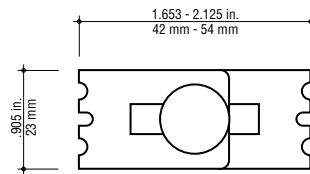
Tool required: 10mm nut driver

Material	Catalog number	Weight	
		lb/ea.	kg/ea.
Hot-dipped Galvanized Steel	ETH-SP-HD	0.07	0.03
Stainless Steel (Type 304)	ETH-SP-SS	0.07	0.03

Adjustable Splice



Dimensions



Used to construct angles or bends with a radius, the adjustable splice is designed for ease of installation when field-producing bends. Installed on the inside radius, this splice adjusts up to 1/2" and is ideally suited for any application where adjustment may be necessary. The adjustable splice is offered in hot-dipped galvanized steel and stainless steel and is compatible with all tray profiles.

i Refer to pages I26 and I29 for application examples.



Tool required: 10mm nut driver

Material	Catalog number	Weight	
		lb/ea.	kg/ea.
Hot-dipped Galvanized Steel	ETH-ADJSP-HD	0.07	0.03
Stainless Steel (Type 304)	ETH-ADJSP-SS	0.07	0.03

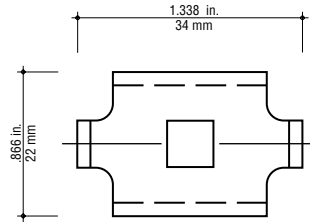
T&B® Express Tray

Hardware

Bracket Clamp



Dimensions



The bracket clamp is used for mounting tray to wall brackets or suspended support brackets and is compatible with all tray profiles. Available in hot-dipped galvanized steel and stainless steel.

i Refer to pages I31 and I34 for application examples.

Material	Catalog number	Weight	
		lb/ea.	kg/ea.
Hot-dipped Galvanized Steel	ETH-WBC-HD	0.04	0.02
Stainless Steel (Type 304)	ETH-WBC-SS	0.04	0.02

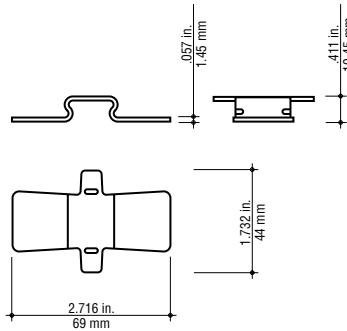


Tool required: 10mm nut driver

Quick Splice



Dimensions



For quick connection of tray without the use of nuts or bolts. Available in three sizes for quick splicing of the complete range of T&B® Express Tray wire diameters. Two-step connection system: 1. Mount quick splice. 2. Use screwdriver to bend tabs inward and the connection is complete.

i Refer to page I26 for an application example.

For use with tray widths	Catalog number	Weight	
		lb/ea.	kg/ea.
2", 4" and 6"	ETH-QSS-PG	0.08	0.04
8" and 12"	ETH-QSM-PG	0.08	0.04
16", 20" and 24"	ETH-QSL-PG	0.08	0.04



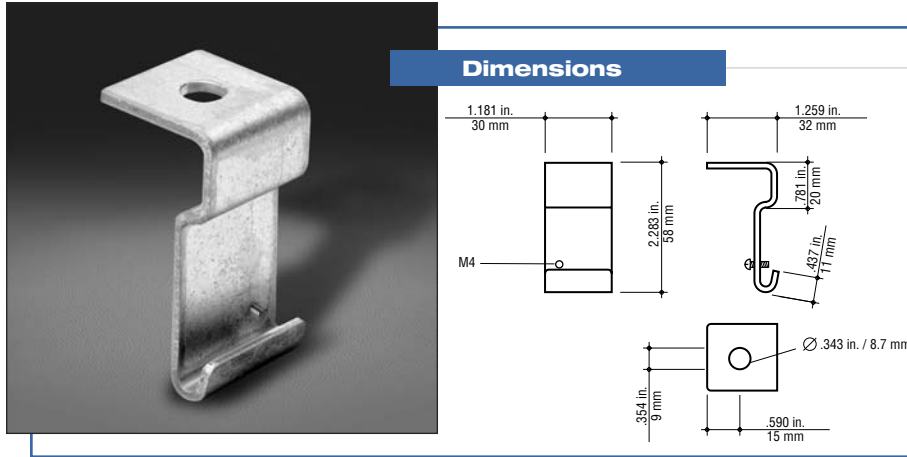
Tool required: screwdriver

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T&B® Express Tray

Hardware

Side Hanger Clamp



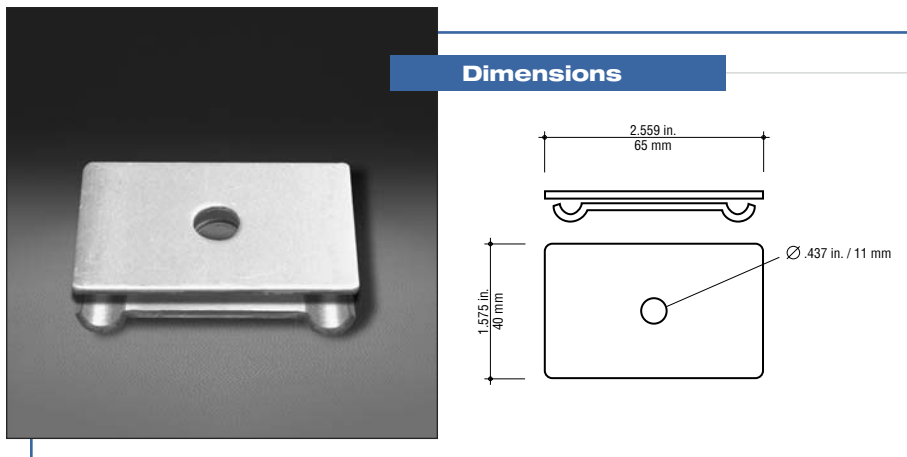
The side hanger clamp is used to construct trapeze supports using threaded rods. The offset support hole allows for trouble-free access to support nuts for height adjustment and the rod can continue downward to allow for multi-level (tiered) trapeze installations. A set screw holds tray firmly in position once installation is complete. Available in pregalvanized steel. For use with 1/4" threaded rod.

Material	Catalog number	Weight	
		lb/ea.	kg/ea.
Pregalvanized Steel	ETH-SH-PG	0.85	0.39

i Refer to page I33 for an application example.

T&B® Express Tray

Threaded Rod Clamp



This clamp is used for center-hung applications to secure tray sections to threaded rod for ceiling mounting and can be used with U-profile tray in 4", 8" and 12" widths. This clamp is not designed for use with C-profile tray. Available in pregalvanized steel. For use with 3/8" threaded rod.

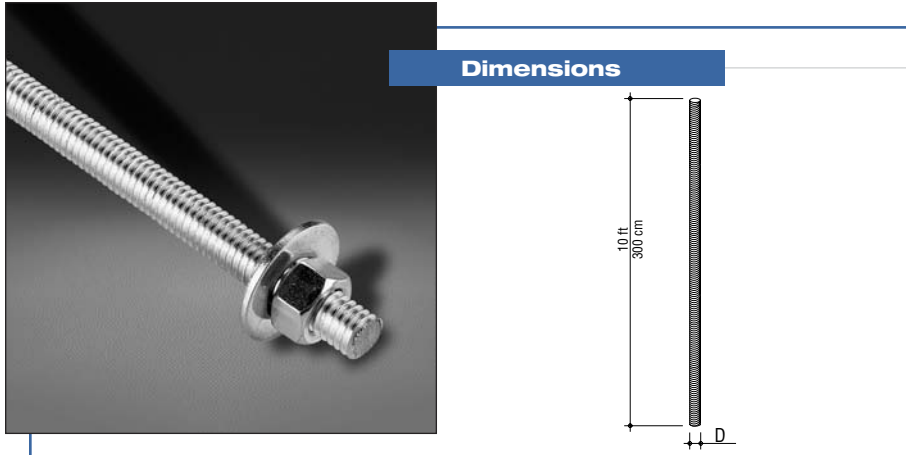
Hole Ø		Catalog number	Weight	
in.	mm		lb/ea.	kg/ea.
0.437	11.0	ETH-CHC-PG	0.18	0.08

i Refer to page I32 for an application example.

T&B® Express Tray

Hardware

Superstrut® Threaded Rod



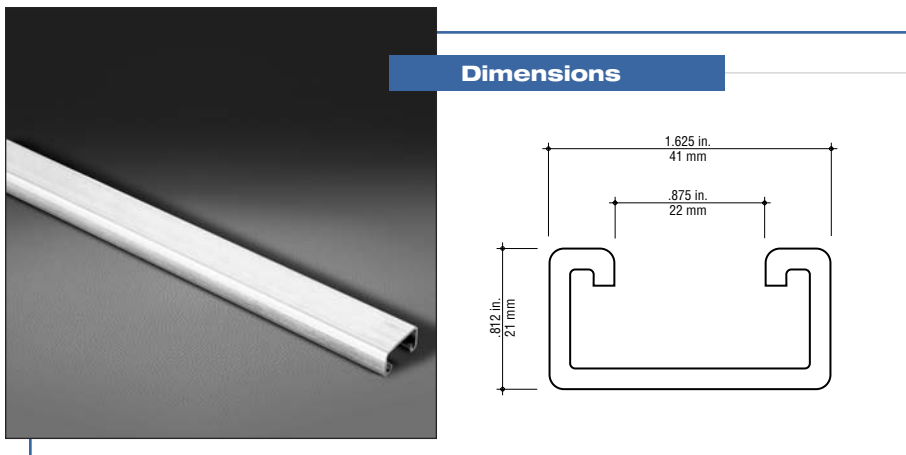
Used for overhead mounting of T&B® Express Tray with threaded rod clamp, side hanger clamps or strut. Available in 1/4" and 3/8" diameters, threaded rods are made of electroplated steel.

Order nut and washer separately. (See page I16).

Size (D)	Thread per in.	Catalog number	Weight	
			lb/length	kg/length
1/4 in. dia.	20	H104-1/4X10EGC	1.25	0.57
3/8 in. dia.	16	H104-3/8X10EGC	1.25	0.57

i Refer to pages I32 and I33 for application examples.

Superstrut® (Metal Framing Channel)



Superstrut® metal framing channel is sold in 10-foot lengths and the standard finish is pregalvanized steel. Strut is unpunched (not perforated) and must be field-cut and drilled for customized supports with maximum economy. Other finishes and configurations are available, contact your Regional Sales Office for further information.

Material	Catalog number	Weight	
		lb/ea.	kg/ea.
Pregalvanized Steel	B120010PGC	12.80	5.80

i Refer to page I33 for an application example.

T&B® Express Tray

Hardware

Superstrut® Hexagonal Nut



Order for use with Superstrut® threaded rod. Available in two sizes, 1/4" and 3/8", in electroplated steel.

Size	Catalog number	Weight	
		lb/ea.	kg/ea.
1/4 in. hex nut	E145-1/4EGC	0.01	0.004
3/8 in. hex nut	E145-3/8EGC	0.01	0.004

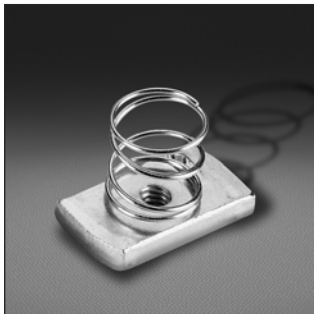
Superstrut® Flat Washer



Order for use with Superstrut® threaded rod and hex nut. Available in 1/4" and 3/8" sizes in electroplated steel.

Size	Catalog number	Weight	
		lb/ea.	kg/ea.
1/4 in. flat washer	E147-1/4EGC	0.03	0.02
3/8 in. flat washer	E147-3/8EGC	0.04	0.02

Superstrut® Spring Nut



For use with B-Series metal framing channel (see page I15), spring nuts are offered in 1/4" and 3/8" sizes in electroplated steel.

Size	Catalog number	Weight	
		lb/ea.	kg/ea.
1/4 in. spring nut	B100-1/4EGC	0.44	0.20
3/8 in. spring nut	B100-3/8EGC	0.46	0.20

Ty-Rap® Cables Ties



Ty-Rap® weather-stabilized cable ties can be used for wire bundling and attachment, indoors or outdoors, and are offered in black nylon and four sizes for use with T&B® Express Tray. Other sizes, colours and types are available from Thomas & Betts. Contact your Regional Sales Office for details.

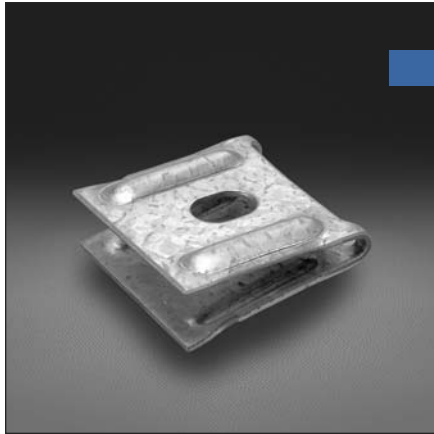
Body width		Length		Max. wire bundle dia.		Catalog number	Weight	
in.	mm	in.	mm	in.	mm		lb/100	kg/100
0.18	4.67	7.31	185.67	1.75	45	TY525MX	0.33	0.15
0.18	4.67	11.40	289.56	3.00	76	TY5253MX	0.46	0.21
0.18	4.67	14.20	360.68	4.00	101	TY528MX	0.55	0.25
0.27	6.86	18.00	457.20	5.00	127	TY5275MX	1.51	0.68

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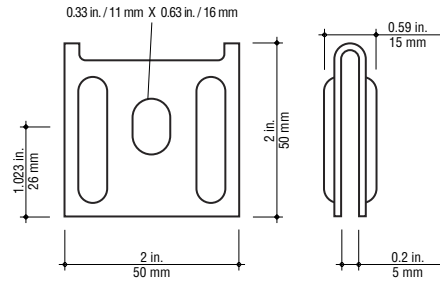
T&B® Express Tray

Hardware

Wall Clamp



Dimensions



This wall clamp attaches the flange of U- and C-profile T&B® Express Tray, up to a maximum of 8" wide, to the wall surface. Available in pregalvanized steel and stainless steel.

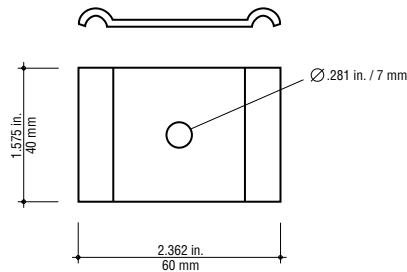
i Refer to page I30 for an application example.

Material	Catalog number	Weight	
		lb/ea.	kg/ea.
Pregalvanized Steel	ETH-WC-PG	0.39	0.18
Stainless Steel (Type 304)	ETH-WC-SS	0.39	0.18

Universal Clamp



Dimensions



The universal clamp is designed for mounting T&B® Express Tray to wall brackets, strut or trapeze configurations and is available in pregalvanized steel.

i Refer to pages I30 and I33 for application examples.

Material	Catalog number	Weight	
		lb/ea.	kg/ea.
Pregalvanized Steel	ETH-UNIVC-PG	0.44	0.20
Hot-dipped Galvanized Steel	ETH-UNIVC-HD	0.44	0.20

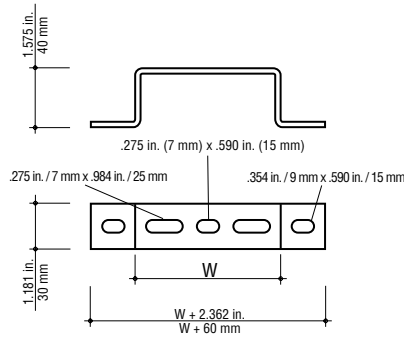
T&B® Express Tray

Hardware

Stand-Off Bracket



Dimensions



For use in attaching U- and C-profile T&B® Express Tray to floors or walls, the stand-off bracket raises the tray away from the mounting surface. Available in 4", 6", 8", 12" and 16" widths, this bracket is available in hot-dipped galvanized steel.

Use in conjunction with bracket clamp on page I13.

Width (W)		Catalog number	Material thickness		Weight	
in.	mm		in.	mm	lb/ea.	kg/ea.
4	100	ETB-2004-HD	.125	3	0.35	0.16
6	150	ETB-2006-HD	.125	3	0.43	0.19
8	200	ETB-2008-HD	.125	3	0.50	0.23
12	300	ETB-2012-HD	.156	4	0.84	0.38
16	400	ETB-2016-HD	.156	4	1.05	0.47

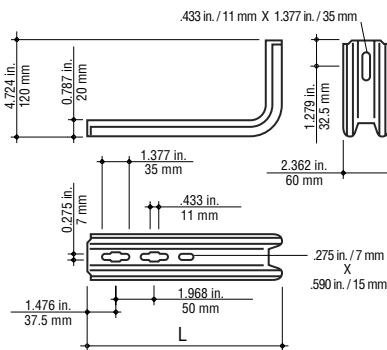
i Refer to page I30 for an application example.

T&B® Express Tray

"L" Bracket



Dimensions



The "L" bracket provides an attachment surface for T&B® Express Tray on ceilings, walls and floors and is available in six sizes for use with the full range of U- and C-profiles. This bracket attaches to the tray with standard bracket clamps (see page I13). Available in pregalvanized steel.

Length (L)		Catalog number	Weight	
in.	mm		lb/ea.	kg/ea.
6	145	ETB-L06-PG	0.72	0.33
10	245	ETB-L10-PG	1.03	0.47
14	345	ETB-L14-PG	1.34	0.60
18*	445	ETB-L18-PG	1.65	0.75
21*	545	ETB-L21-PG	1.96	0.89
25*	645	ETB-L25-PG	2.27	1.03

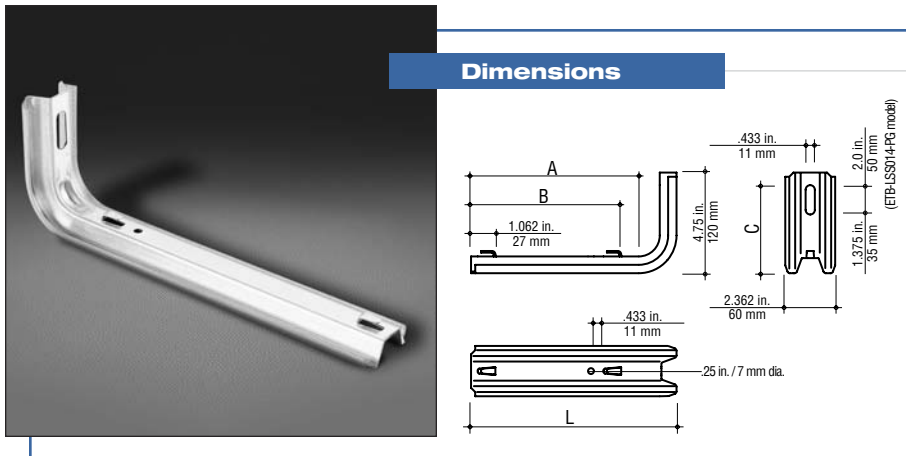
i Refer to page I31 for an application example.

* For use as vertical support only. Not to be used as horizontal bracket.

T&B® Express Tray

Hardware

Speed Mount “L” Bracket

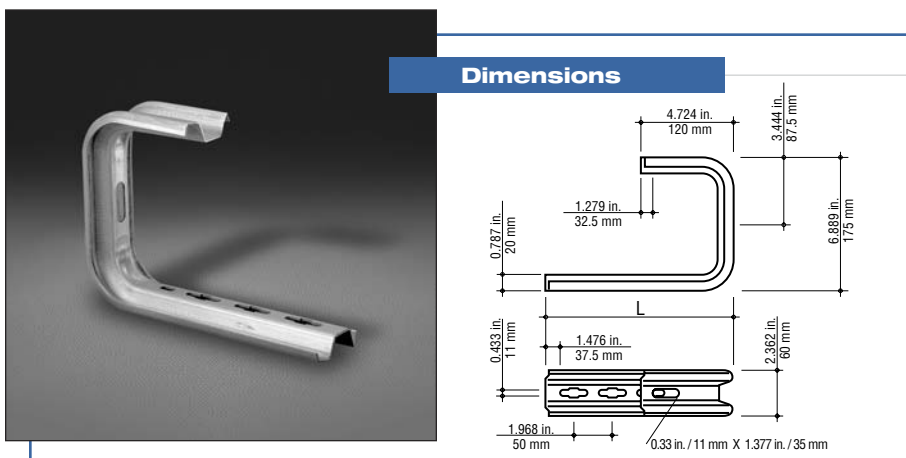


The Speed Mount “L” bracket provides a quick and cost-efficient support surface for T&B® Express Tray on ceilings, walls and floors. This bracket attaches to the tray using bend-down tabs rather than hardware, speeding-up the installation process. Available in pregalvanized steel and four sizes for mounting 4”, 6”, 8” and 12” U- and C-profiles.

Length (L)		A		B		C		Catalog number	Weight	
in.	mm	in.	mm	in.	mm	in.	mm		lb/ea.	kg/ea.
6	145	4	100	3.06	77	3.94	99	ETB-LS06-PG	0.72	0.33
8	200	5	127	4.31	109	3.94	99	ETB-LS08-PG	0.97	0.44
10	245	8	200	7.00	177	3.43	87	ETB-LS10-PG	1.03	0.47
14	345	12	300	11.00	277	3.43	87	ETB-LS14-PG	1.34	0.61

i Refer to page I31 for an application example.

“J” Bracket



The “J” bracket provides an attachment surface for mounting T&B® Express Tray to ceilings. This bracket is available in 6”, 10” and 14” lengths to accommodate U- and C-profiles of up to 12” wide and 2” high. Available in pregalvanized steel. Use in conjunction with bracket clamp on page I13.

Length (L)		Catalog number	Weight	
in.	mm		lb/ea.	kg/ea.
6	145	ETB-J06-PG	1.04	0.47
10	245	ETB-J10-PG	1.32	0.60
14	345	ETB-J14-PG	1.61	0.73

i Refer to page I34 for an application example.

T&B® Express Tray

Hardware

Spacers



The spacer is used to prevent spreading of the bracket profile during installation. Spacers can be used with both "L" and "J" brackets in both single and back-to-back configurations. Available in pregalvanized steel.

i Refer to pages I31, I32 and I34 for application examples.

Material	Catalog number	Weight	
		lb/ea.	kg/ea.
Pregalvanized Steel	ETH-S-PG	0.08	0.04

Standard Bolting Kit



The standard bolting kit consists of an M6 x 20mm carriage bolt, a flat washer and a nut. Available in hot-dipped galvanized and stainless steel.



Tool required:
10mm nut driver

Material	Catalog number	Weight	
		lb/ea.	kg/ea.
Hot-dipped Galvanized Steel	ETH-KIT0-HD	0.07	0.03
Stainless Steel (Type 304)	ETH-KIT0-SS	0.07	0.03

Nested "J" or "L" Bracket Bolting Kit



For use with "J" and "L" brackets, this bracket bolting kit consists of an M10 x 25mm carriage bolt, a flat washer and a nut. Available in hot-dipped galvanized steel.

i Refer to page I31 for an application example.



Tool required:
17mm nut driver

Material	Catalog number	Weight	
		lb/ea.	kg/ea.
Hot-dipped Galvanized Steel	ETH-KIT1	0.18	0.08

Back-To-Back Bracket Bolting Kit



For use in back-to-back bracket configurations or for use with "L" brackets, this bracket bolting kit consists of a hexagonal M10 x 60mm bolt, a flat washer, a lock washer and a nut. Available in hot-dipped galvanized steel.

i Refer to page I32 for an application example.



Tool required:
17mm nut driver

Material	Catalog number	Weight	
		lb/ea.	kg/ea.
Hot-dipped Galvanized Steel	ETH-KIT2	0.26	0.12

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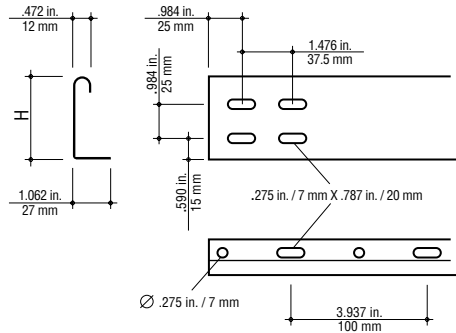
T&B® Express Tray

Hardware

Barrier Strip



Dimensions



Used to separate bundles of power, communication and data cables. Barrier strips are sold in standard 10-foot lengths and are available in 1 $\frac{3}{8}$ ", 1 $\frac{3}{4}$ " and 3 $\frac{3}{8}$ " heights. Available in pregalvanized steel.

For use with barrier strip clamp shown below and barrier strip connector on page I22.

Height (H)		Catalog number	Weight	
in.	mm		lb/length	kg/length
1.375	350	ET-BS138-PG	0.61	0.28
1.750	450	ET-BS175-PG	0.63	0.29
3.375	850	ET-BS338-PG	1.36	0.62

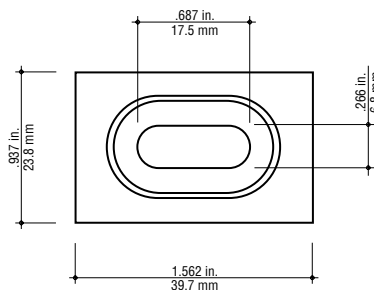
i Refer to page I35 for an application example.

T&B® Express Tray

Barrier Strip Clamp



Dimensions



The barrier strip clamp is used to mount barrier strips to U- and C-profile T&B® Express Tray. Available in hot-dipped galvanized steel and stainless steel.

i Refer to page I35 for an application example.

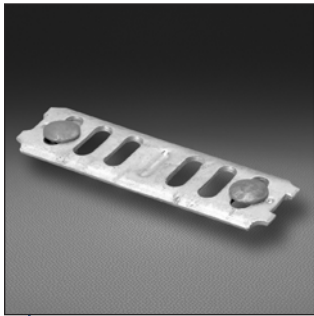
Material	Catalog number	Weight	
		lb/ea.	kg/ea.
Hot-dipped Galvanized Steel	ETH-BSC-HD	0.07	0.03
Stainless Steel (Type 304)	ETH-BSC-SS	0.07	0.03

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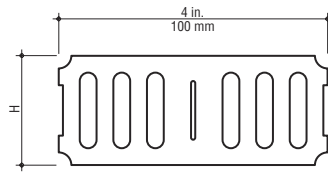
T&B® Express Tray

Hardware

Barrier Strip Connector



Dimensions



This connector is used to connect lengths of barrier strips and is available in two sizes for use with 1 $\frac{3}{8}$ ", 1 $\frac{3}{4}$ " and 3 $\frac{3}{8}$ " barrier strips. Available in hot-dipped galvanized steel.

i Refer to page I35 for an application example.

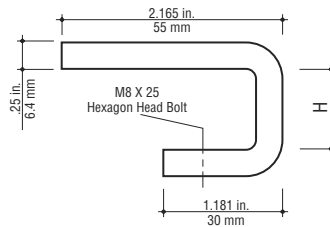
Height (H)		Catalog number	To use with barrier strip	Weight	
in.	mm			lb/ea.	kg/ea.
1.22	31	ET-BSH138-HD	ET-BS138-PG	0.02	0.01
1.62	41	ET-BSH175-HD	ET-BS175-PG, ET-BS338-PG	0.04	0.02

Beam Clamp

T&B® Express Tray



Dimensions

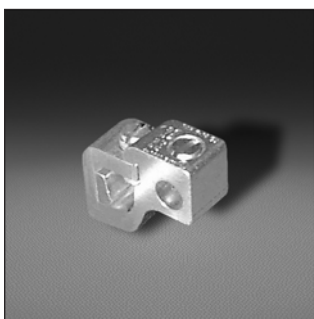


This clamp is used primarily to attach L-profile T&B® Express Tray to steel beams. It can also be used to attach U- and C-profiles onto structural steel. Available in $\frac{3}{4}$ " and 1 $\frac{1}{2}$ " sizes in hot-dipped galvanized steel.

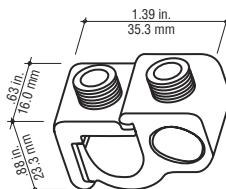
i Refer to page I35 for an application example.

Height (H)		Catalog number	Weight	
in.	mm		lb/ea.	kg/ea.
0.750	20	ETH-IBC3/4-HD	0.44	0.20
1.125	30	ETH-IBC1-HD	0.47	0.22

Blackburn® Grounding Connector



Dimensions



The GPT-2 grounding connector is used for bonding applications not exceeding 300 amps (as per table 16 of CEC) and is ideal for conductors #8 to #2 AWG. For applications requiring larger conductors, contact your T&B Regional Sales Office.

i Refer to page I35 for an application example.

Conductor Range	Catalog number	Weight	
		lb/ea.	kg/ea.
#8 - #2 AWG	GPT-2	0.06	0.03

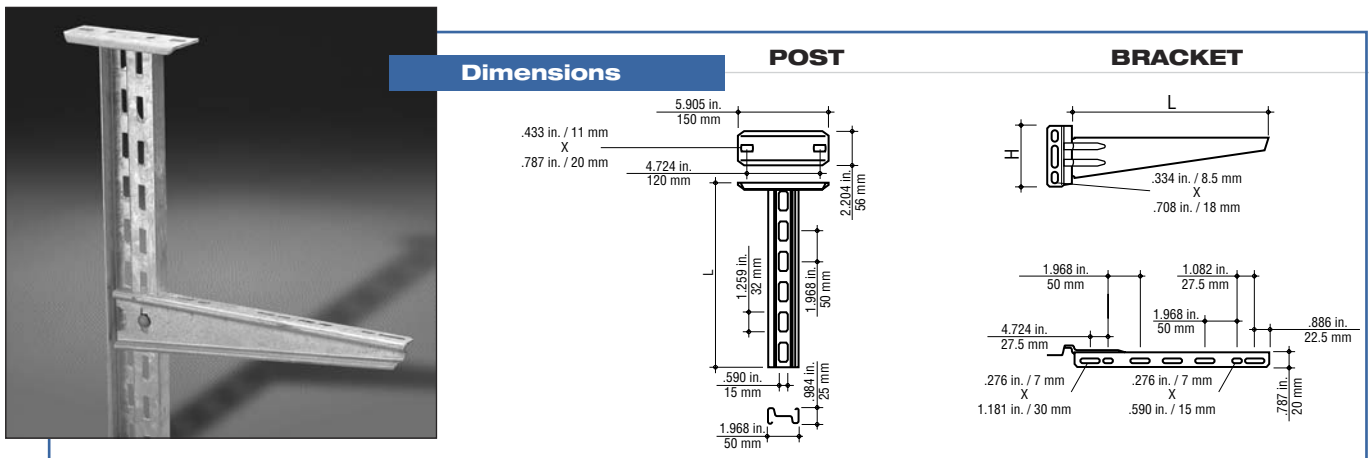


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T&B® Express Tray

Hardware

Vertical Post/Bracket



Posts

Length (L)		Catalog number	Weight	
in.	mm		lb/ea.	kg/ea.
12	300	ETP-12-HD	2.00	0.91
16	400	ETP-16-HD	2.30	1.04
20	500	ETP-20-HD	2.60	1.18
24	600	ETP-24-HD	2.90	1.32
28	700	ETP-28-HD	3.20	1.45
32	850	ETP-32-HD	3.50	1.59
36	900	ETP-36-HD	3.80	1.72
40	1000	ETP-40-HD	4.10	1.86
44	1100	ETP-44-HD	4.40	2.00
48	1200	ETP-48-HD	4.70	2.14

Brackets

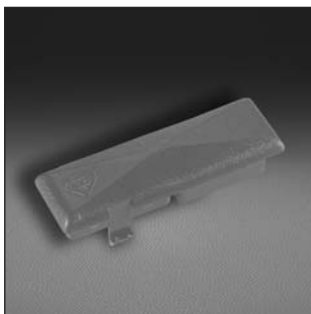
Length (L)		Material	Catalog number	Weight	
in.	mm			lb/ea.	kg/ea.
4	105	Pregalvanized Steel	ETCB-04-PG	0.33	0.15
8	205	Pregalvanized Steel	ETCB-08-PG	0.55	0.25
12	305	Pregalvanized Steel	ETCB-12-PG	0.90	0.41
16	405	Pregalvanized Steel	ETCB-16-PG	1.18	0.54
4	105	Hot Dipped Galvanized Steel	ETCB-04-HD	0.34	0.15
8	205	Hot Dipped Galvanized Steel	ETCB-08-HD	0.57	0.26
12	305	Hot Dipped Galvanized Steel	ETCB-12-HD	0.93	0.42
16	405	Hot Dipped Galvanized Steel	ETCB-16-HD	1.12	0.51

For heavy-duty applications the vertical post is mounted on ceilings or overhead steel girders. The clamping bracket is installed on the post as a horizontal support for the T&B® Express Tray. Posts are offered in hot-dipped galvanized finish and sizes ranges from 12" to 48" long. Brackets are available in five lengths and come in pregalvanized and hot-dipped galvanized steel.

Post and bracket are sold separately. Attachment hardware is supplied with bracket.

i Refer to page I34 for an application example.

Protection Cap



Designed for use in terminating vertical posts to increase safety in low overhead areas. The protection cap is offered in red polyethylene.

Material	Catalog number	Weight	
		lb/ea.	kg/ea.
Red Polyethylene	ETH-PC	0.02	0.01

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T&B® Express Tray

Quick Reference

Complicated cable routing layouts become simpler with T&B® Express Tray. Once familiar with the basic configuration and support methods, the possibilities are unlimited. Use the following pages as a guide to T&B® Express Tray basics and as an inspiration for future projects.

For more detailed information, refer to the Installation Guide available from your Thomas & Betts Regional Sales Office.

Configuration Methods

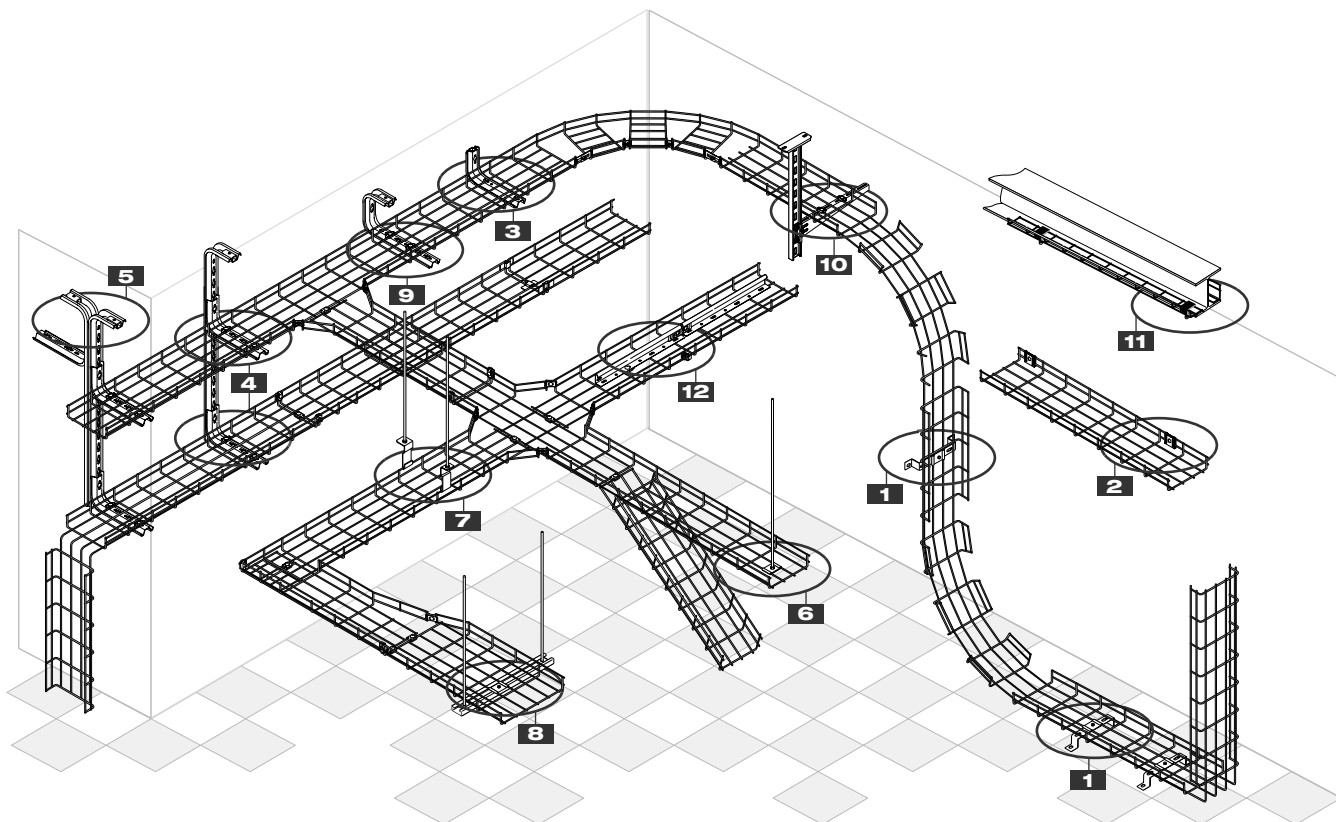
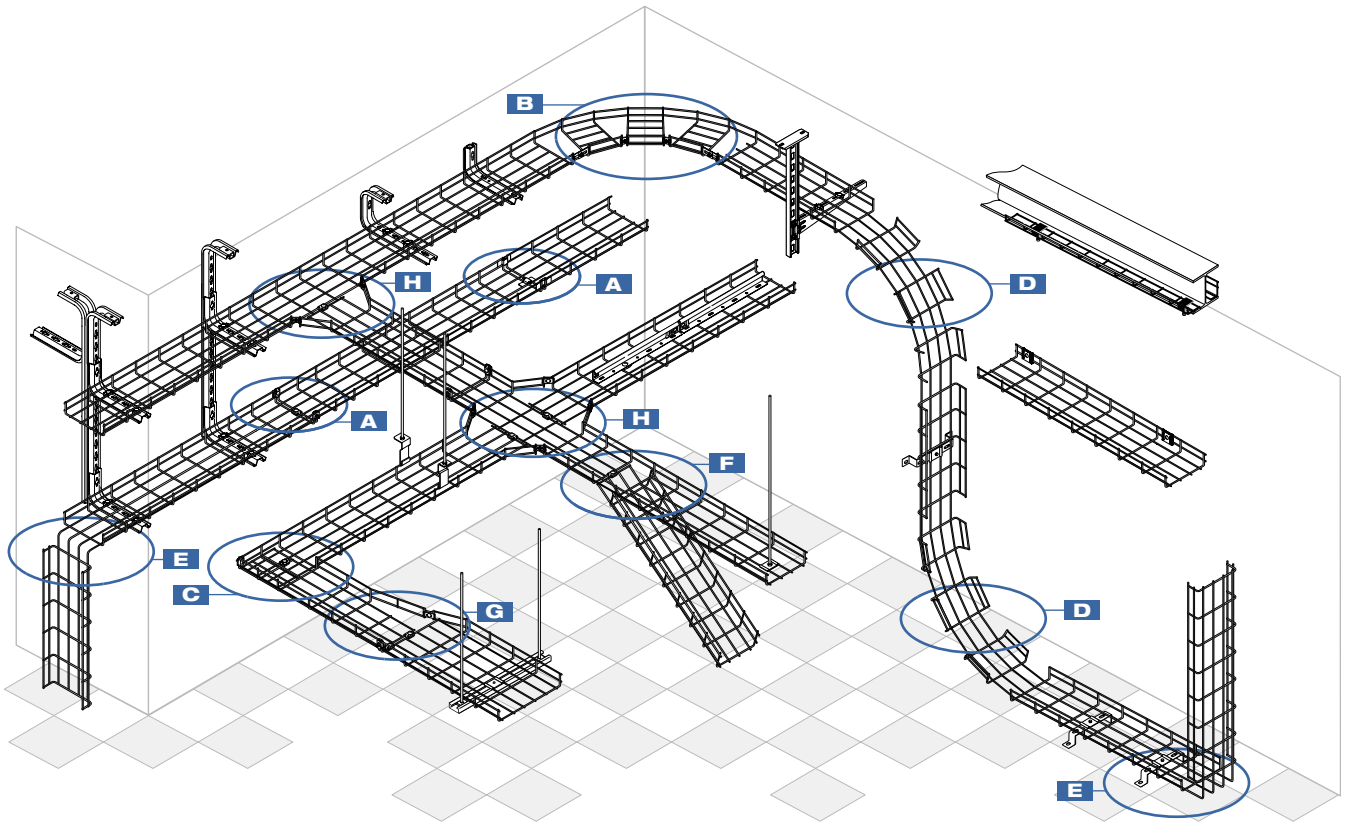
A	— Connection of Straight Sections	page I26
B	— Horizontal Bend with a Radius	page I26
C	— Horizontal Bend without a Radius (90°)	page I27
D	— Vertical Bend with a Radius	page I27
E	— Vertical Bend without a Radius	page I28
F	— Vertical Drop	page I28
G	— Reduction/Expansion	page I29
H	— Horizontal Tee or Cross	page I29

Support Methods

1	— Stand-Off Brackets	page I30
2	— Wall Clamp Attachment	page I30
3	— Wall mounted “L” Brackets	page I31
4	— Tiered Brackets	page I31
5	— Back-to-Back Brackets	page I32
6	— Center-Hung Clamp	page I32
7	— Side Hangers	page I33
8	— Metal Framing Channel Trapeze	page I33
9	— “J” Bracket	page I34
10	— Vertical Support to Ceiling including Bracket	page I34
11	— Beam Clamp	page I35
12	— Barrier Strip and Grounding Connector	page I35

T&B® Express Tray

Quick Reference



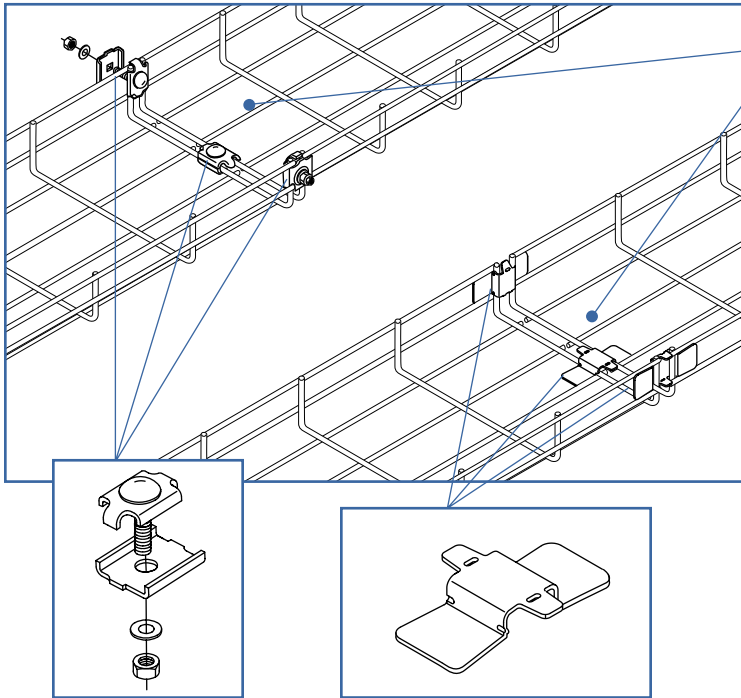
T&B® Express Tray

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T&B® Express Tray

Configuration Methods

A — Connection of Straight Sections



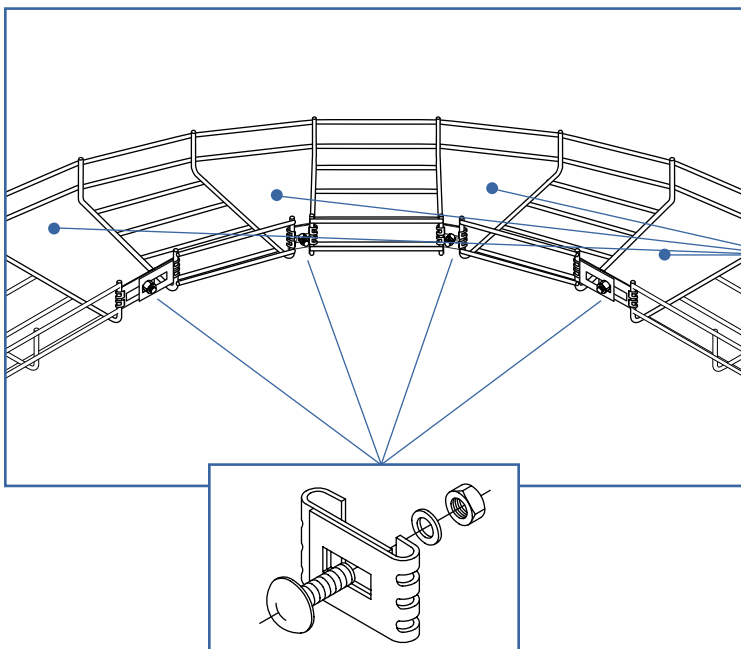
To join lengths of T&B® Express Tray, attach the sections using either the Universal Splice shown on page I12 or the Quick Splice shown on page I13.

For either attachment method, align the two lengths of tray and splice together the top siderail wires and tray bottoms. The number and positioning of splices will vary according to the tray width selected. Refer to table below for exact quantities.

Tray Width		Quantity needed
in.	mm	
2	50	2
4	100	2
6	150	3
8	200	3
12	300	3
16	400	4
20	500	5
24	600	5

T&B® Express Tray

B — Horizontal Bend with a Radius



T&B® Express Tray allows you to redirect cabling routing simply and easily. To form a horizontal bend with a radius, no additional corner or elbow components are required.

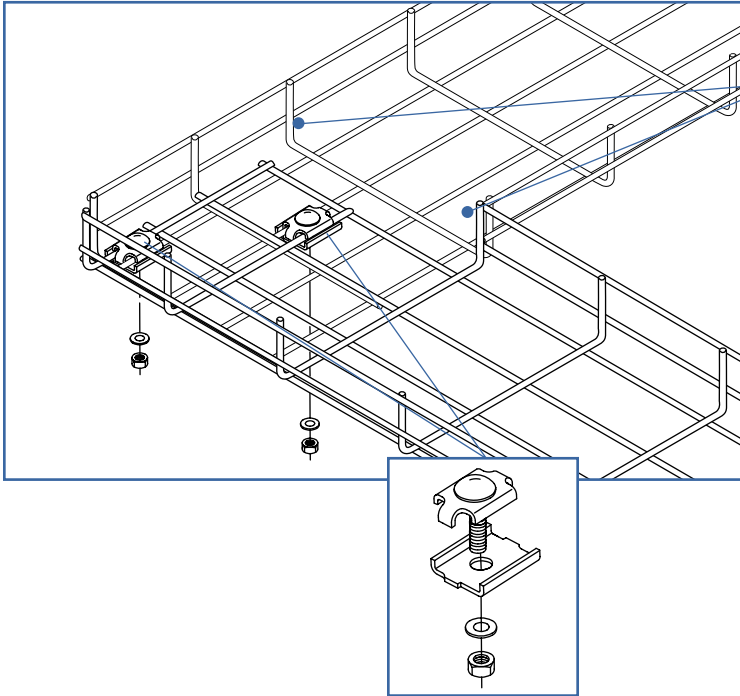
Simply cut the bottom and internal side wires, bend to the desired angle and secure the inside bend with the Adjustable Splice found on page I12 of this catalog.

The number of splices required will vary according to the bend and radius configuration.

T&B® Express Tray

Configuration Methods

C — Horizontal Bend without a Radius (90°)

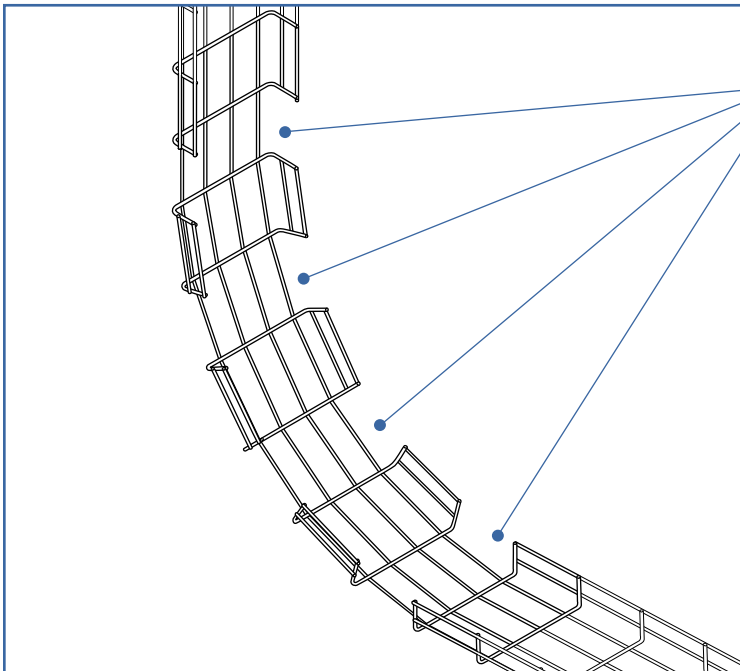


To form a 90° bend or an angled bend without a radius, use two straight sections of tray. Cut and remove side wires (cut back to first complete grid). The number of wires to cut will vary according to the tray width.

Assemble trays, one perpendicular to the other, and secure using the Universal Splice found on page I12.

The number of universal splices required will vary according to the tray width selected.

D — Vertical Bend with a Radius



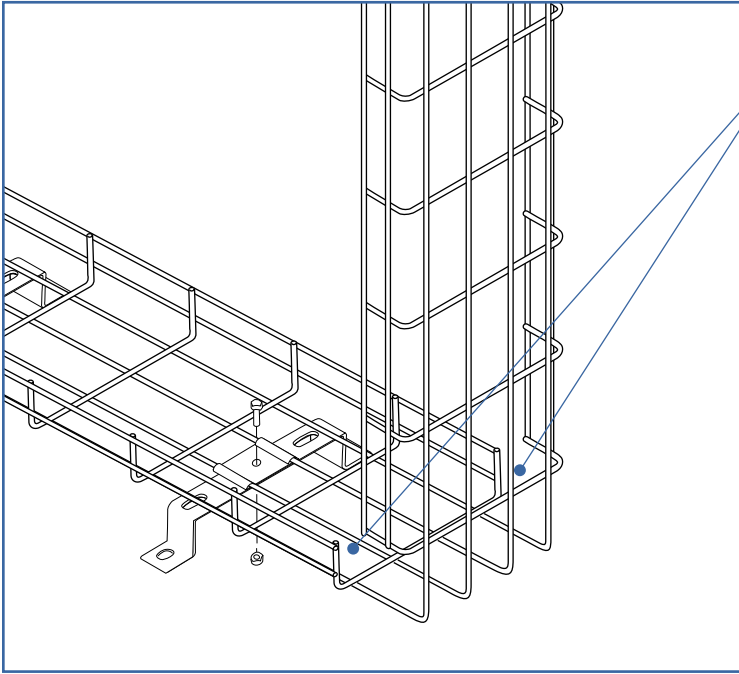
Changing levels using vertical inside and outside bends is easy with T&B® Express Tray. Simply cut and remove side wires and form to desired bend radius—it's that easy. No additional hardware is required.

The number of side wires removed will depend on the angle and radius required. For sharper descents refer to 90° bend (E) on page I28.

T&B® Express Tray

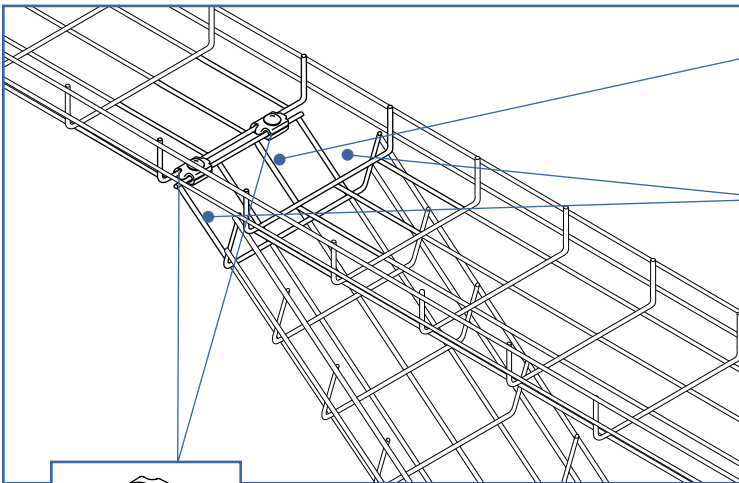
Configuration Methods

E — Vertical Bend without a Radius (90°)



To create a 90° vertical bend, remove one section of side wires on each side of the tray at the point where the angle is required and bend into position. No additional hardware is required.

F — Vertical Drop



To redirect select cables from a main run, cut and remove bottom wires of tray in accordance with space required for tray intersection.

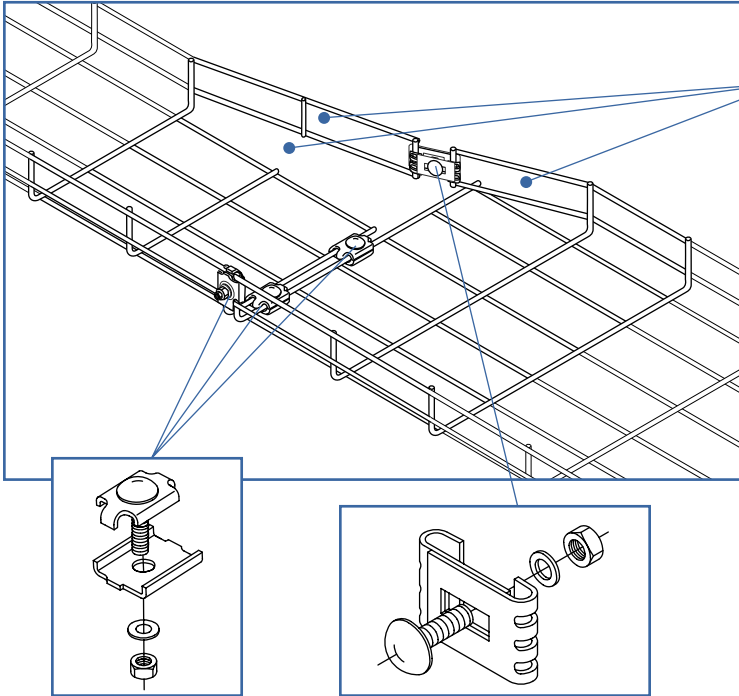
Remove side wires on vertical tray at point of intersection with original tray. Secure tray using universal splice on page I12.

This configuration can also be used to route additional cables into main cable runs from below.

T&B® Express Tray

Configuration Methods

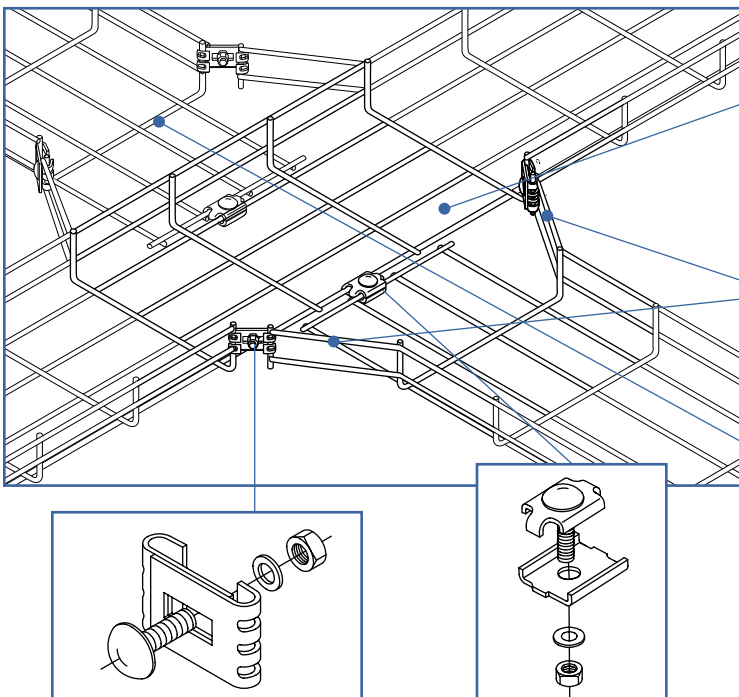
G — Reduction/Expansion



To make the most efficient and economical use of space, it is often necessary to make reductions and expansions of tray widths. To connect two unequal widths of T&B® Express Tray, a combination of side and bottom wires must be cut and removed.

To reconnect lengths of tray, use a combination of both universal and adjustable splices shown on page I12.

H — Horizontal Tee or Cross



To create a horizontal tee junction from two straight T&B® Express Tray sections, cut and remove side wires at desired junction point. The number of wires to cut and remove will vary in accordance with the widths of tray forming the tee.

Bend side wires on both sides of the tray and reassemble using adjustable clamps to attach side rail edge and universal splices to attach tray bottoms.

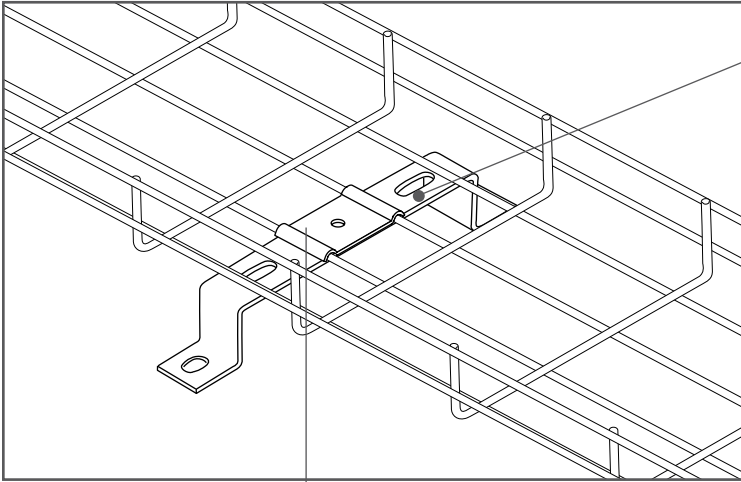
To form a horizontal cross, proceed in the same way as for a tee repeating the process on the other side of the main run.

For 90° tee connections, cut side rails and attach at junction point using universal splice connectors shown on page I12.

T&B® Express Tray

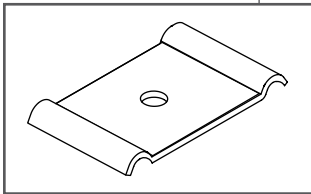
Support Methods

1 — Stand-Off Bracket

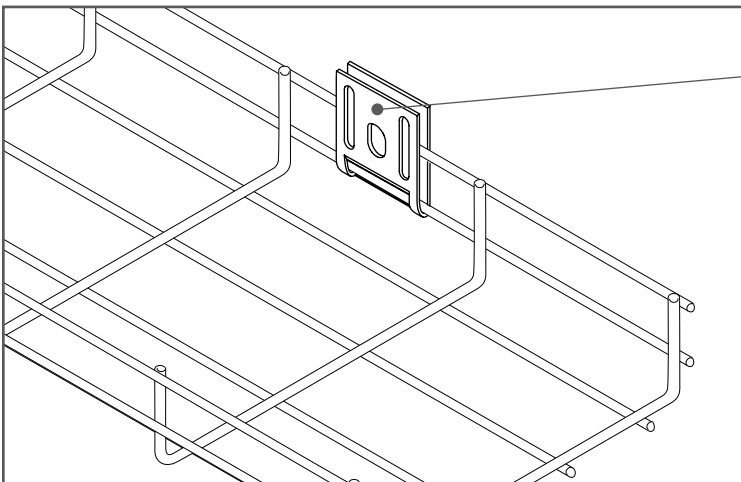


Use stand-off brackets for floor or wall-mounted applications that require the tray to be raised off the mounting surface.

The stand-off bracket attaches to the T&B® Express Tray bottom as shown using a universal clamp and a standard 1/4" hex bolt (not included).



2 — Wall Clamp Attachment



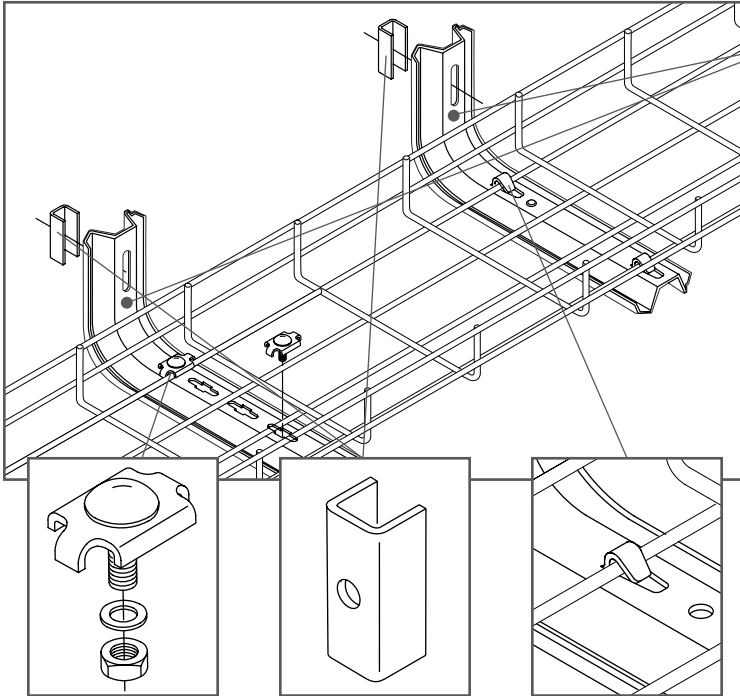
Use wall clamps (see page I17) to attach the side rail of T&B® Express Tray U- and C-profiles directly to the wall surface. Use standard 3/8" or 1/2" hardware to attach (not included).

T&B® Express Tray

Support Methods

3

Wall-Mounted “L” Bracket



Two types of “L” brackets are available for wall-mounted supports: the standard “L” bracket and the Speed Mount “L” bracket (see pages I18 and I19).

Both brackets can be attached directly to the wall surface or to metal framing channel (see page I15). Use spacers (see page I20) to prevent distortion of bracket profile.

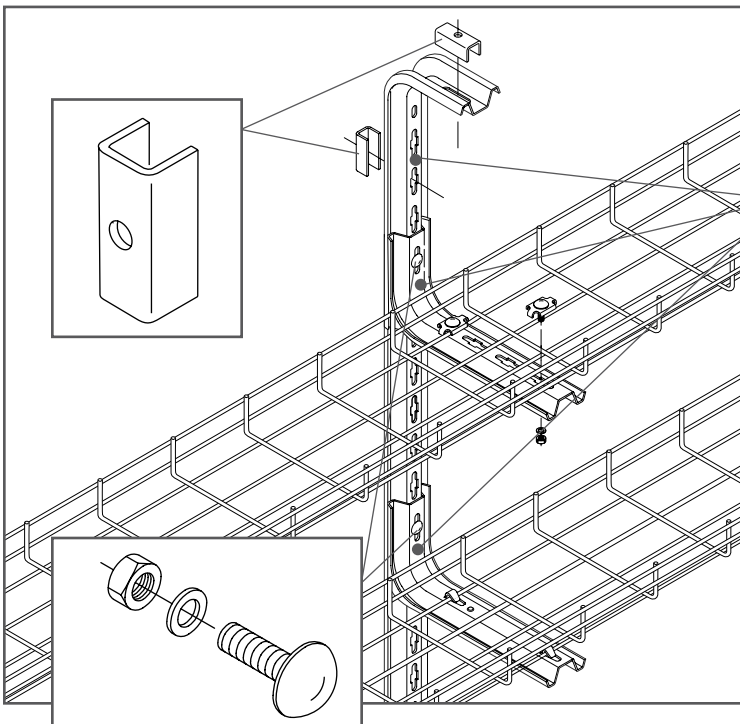
The tray is then attached to the bracket using either a bracket clamp (see page I13) in the case of the “L” bracket or integrated bend-down tabs for the Speed Mount bracket.

Only “L” brackets up to 12” wide can be used as horizontal wall-mounted supports. Larger widths are for vertical use only.

T&B® Express Tray

4

Tiered Brackets



Use brackets to create multi-level installations for applications that require separation of different types of cables.

To create this configuration, use standard “L” brackets (see page I18) or a combination of “L” and Speed Mount “L” brackets (see page I19). Brackets are attached together using the nested “J” or “L” bolting kit (see page I20).

Depending on the bracket, the tray can be attached using bracket clamps (standard “L” bracket) shown on page I13 or bend down tabs (Speed Mount “L” bracket).

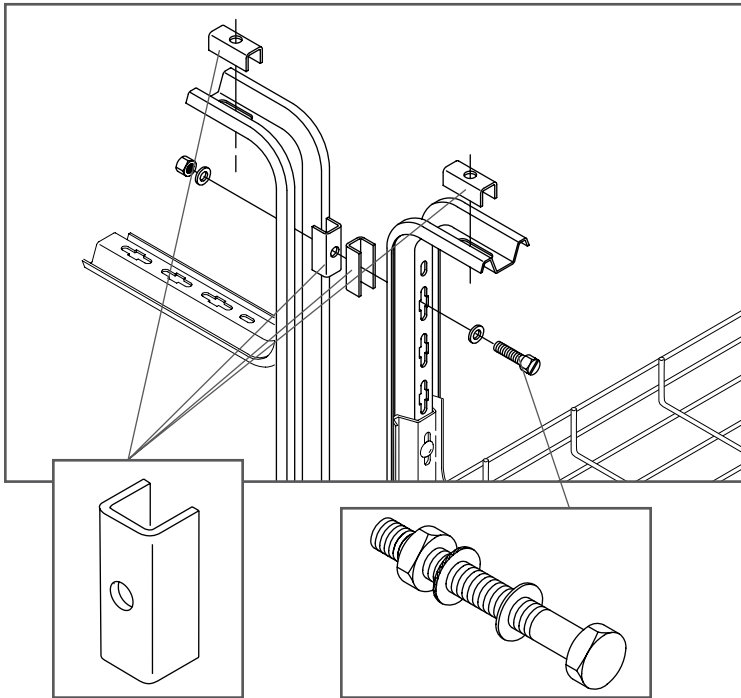
Use spacers (see page I20) to prevent distortion of the bracket profile during tightening.

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T&B® Express Tray

Support Methods

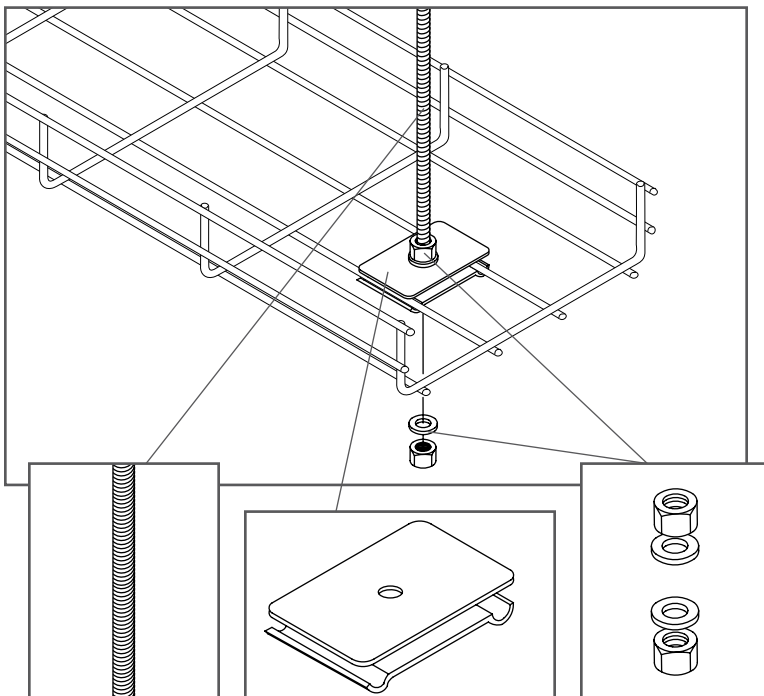
5 — Back-to-Back Brackets



Brackets can be used in a variety of configurations for both wall and ceiling mounting. Attach the bracket profiles together using the back-to-back bracket bolting kit (see page I20) and spacers (see page I20) to prevent distortion of the bracket profile during tightening.

The number of spacers required will vary according to the length of the brackets used.

6 — Center-Hung Clamp



For light-duty applications using 4", 8" or 12" U-profile T&B® Express Tray, a ceiling-mounted support made up of a single $\frac{3}{8}$ " diameter threaded rod (see page I15) and a threaded rod clamp (see page I14) can be used. The clamp attaches to tray mid-wires as illustrated. A nut and washer (see page I16) are secured on either side of the threaded rod attachment. Order nut and washer separately.

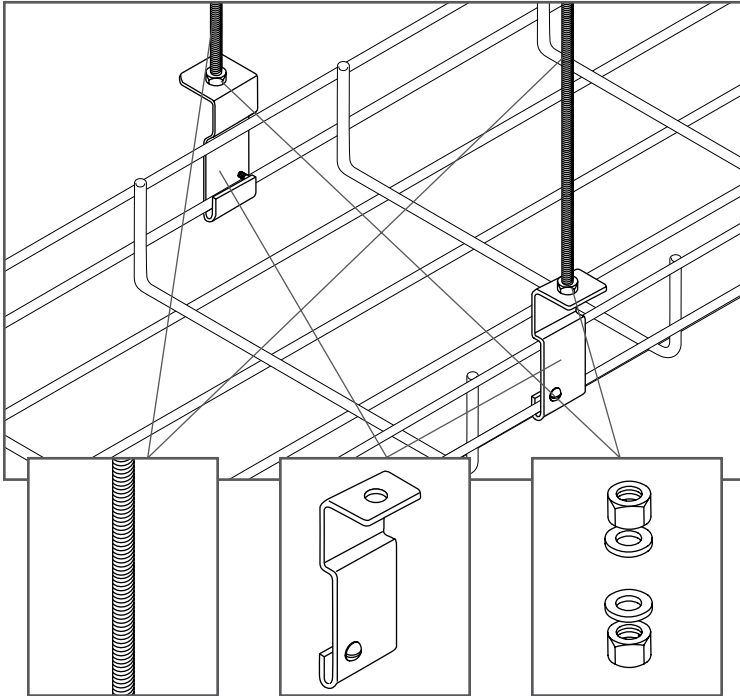
Because the load must be evenly distributed on either side of the clamp this attachment method can be used only with tray that has a central pair of wires. For this reason, this clamp cannot be used with C-profile T&B® Express Tray.

T&B® Express Tray

Support Methods

7

Side Hanger

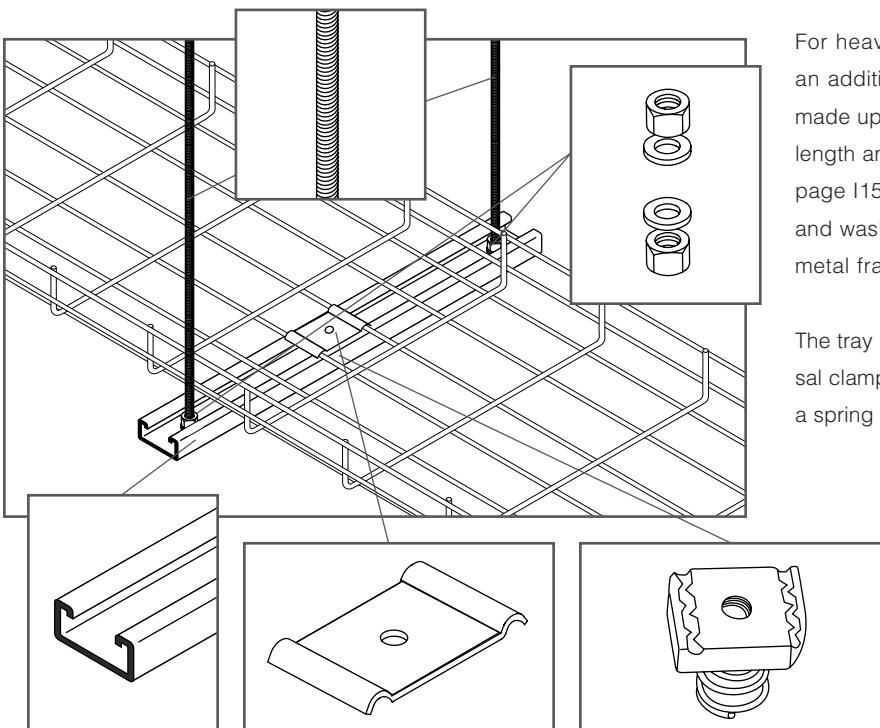


Another method of ceiling-mounted support, side hangers (see page I14) are an alternative for tray that cannot be supported using the center-hung clamp. ¼" threaded rod (see page I15) is threaded into side hangers, the tray is hooked onto the hangers and pivoted into position. Tray is held securely in position by means of a set screw which prevents the wire from jumping out of the side hanger.

Use a nut and washer (see page I16) on the top and bottom of each threaded rod attachment.

8

Metal Framing Channel Trapeze



For heavier loads, the metal framing channel trapeze is an additional ceiling attachment method. The trapeze is made up of metal framing channel (see page I15), cut to length and drilled on site, and two ¼" threaded rods (see page I15). The two threaded rods are secured using nuts and washers (see page I16) on the top and bottom of the metal framing channel attachment.

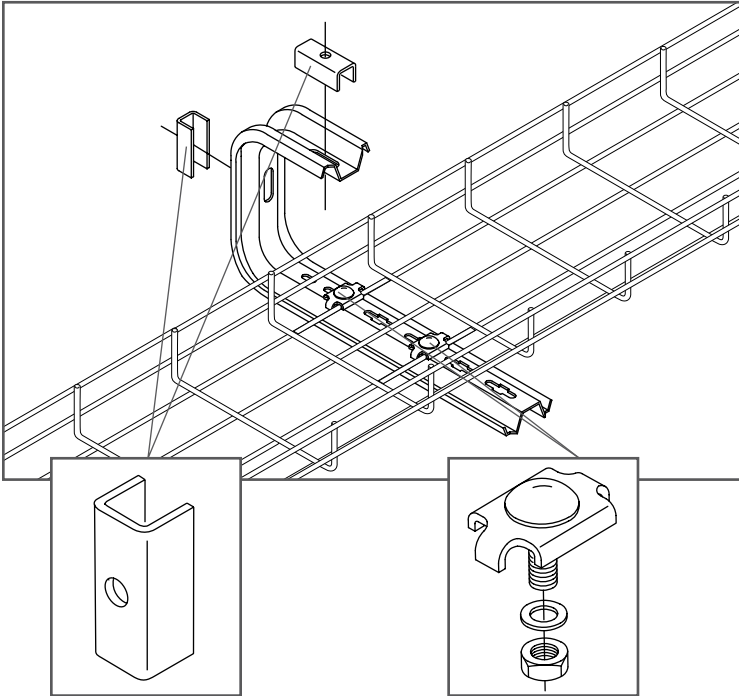
The tray is then attached to the strut support using a universal clamp (see page I17), a ¼" hex bolt (not supplied) and a spring nut (see page I16).

T&B® Express Tray

Support Methods

9

“J” Bracket

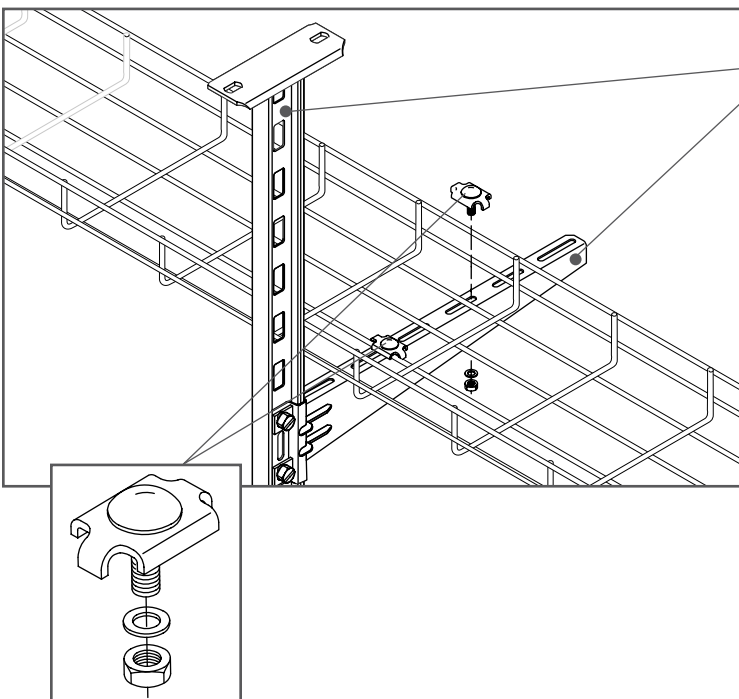


J-brackets are used for sections of cabling runs that run parallel and close to the ceiling and/or wall. The J-bracket mounts to the ceiling and/or wall using standard hardware (not supplied) and a spacer (see page I20) to prevent distortion of the bracket profile.

A bracket clamp (see page I13) is then used to attach the tray to the bracket.

10

Vertical Support to Ceiling including Bracket



For heavy duty, ceiling-mounted installations, the vertical post and bracket combination (see page I23) is ideal. The bracket attaches to the vertical post at any level using the pre-punched slots and supplied hardware (hardware included with bracket only).

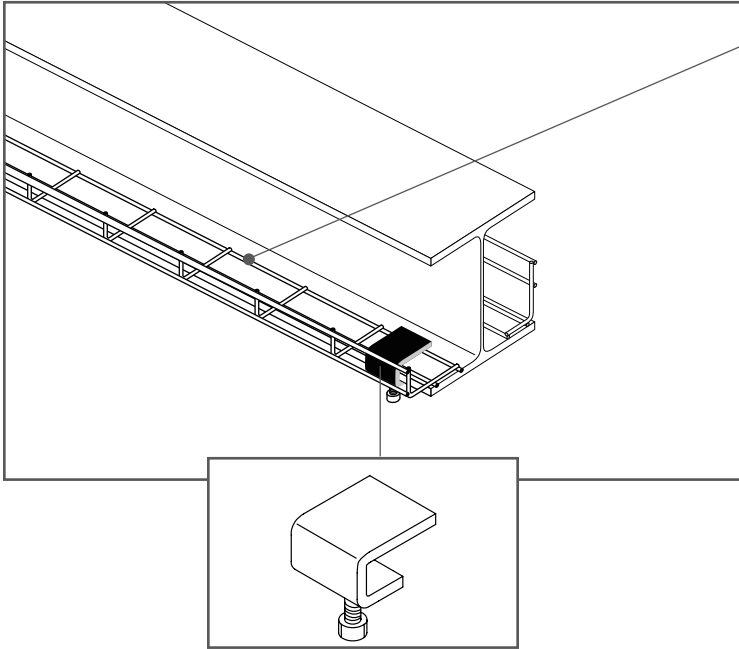
T&B® Express Tray is then secured onto the bracket using bracket clamps (see page I13).

T&B® Express Tray

Support Methods

11

Beam Clamp

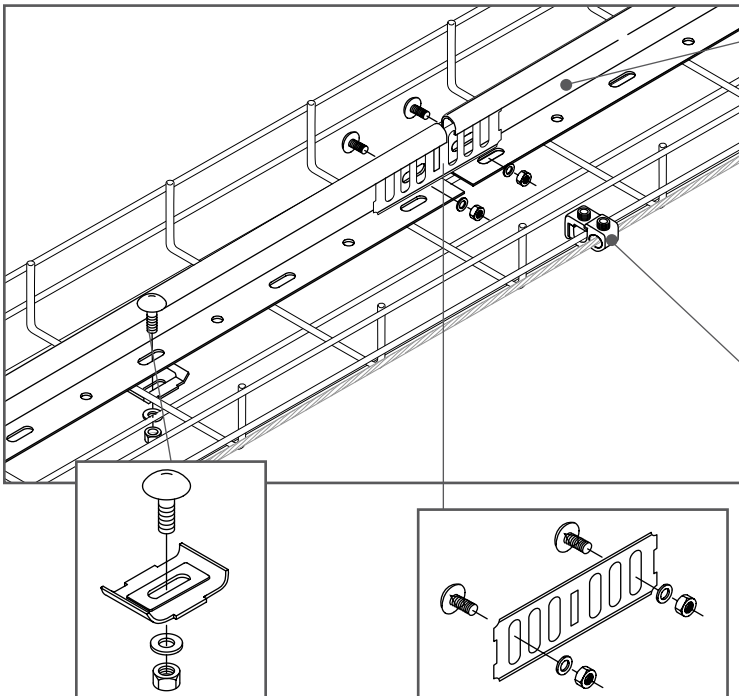


The beam clamp (see page I22) is used to attach L-profile T&B® Express Tray to steel beams and girders.

This attachment method takes advantage of existing structures and is quick and economical to install. Simply attach the L-profile tray using the beam clamp and the enclosed space created between the beam and the T&B® Express Tray can then be used to route cables. No other hardware is required.

12

Barrier Strip and Grounding Connector



For separating bundles of power, voice and data cables, barrier strips (see page I21) can be attached along the length of the tray bottom.

Attach the barrier strip using the barrier strip clamp (see page I21). Attach lengths of barrier strips together using the barrier strip connector (see page I22).

Thomas & Betts strongly recommends the use of a properly-sized, continuous ground wire attached to each T&B® Express Tray length. See page I22 for grounding connector details.

T&B® Express Tray

Finishes and Loading Information

Finishes

T&B® Express Tray is offered in three material and finish combinations:

STEEL / ELECTROPLATED ZINC

By means of an electrolysis process after fabrication, a zinc coating is bonded to the surface of the steel tray. The electroplated zinc coating is ideally suited for indoor applications.

STEEL / HOT-DIPPED GALVANIZED

The zinc coating is provided by immersing the product in a molten zinc bath. This finish is ideal for outdoor installations exposed to corrosion accelerators such as pollution, sea air and other mild atmospheric conditions, and can also be used for indoor applications requiring additional corrosion resistance.

STAINLESS STEEL (TYPE 304)

Stainless steel with no additional surface treatment provides the highest protection against corrosion and is used primarily in marine environments, food processing and other industrial facilities, both indoor and outdoor.

2" DEEP U-PROFILE - Maximum Suggested Load (Imperial)

Width (in.)	Catalog number		Span (ft)					
	Electroplated	Hot-Dipped Galvanized Steel	5	6	7	8	9	10
2	ETU 2002SE10	ETU 2002SH10	31 lb/ft	23 lb/ft	19 lb/ft	15 lb/ft	11 lb/ft	7 lb/ft
4	ETU 2004SE10	ETU 2004SH10	34 lb/ft	27 lb/ft	22 lb/ft	18 lb/ft	14 lb/ft	10 lb/ft
6	ETU 2006SE10	ETU 2006SH10	38 lb/ft	31 lb/ft	25 lb/ft	21 lb/ft	17 lb/ft	13 lb/ft
8	ETU 2008SE10	ETU 2008SH10	41 lb/ft	35 lb/ft	29 lb/ft	25 lb/ft	21 lb/ft	17 lb/ft
12	ETU 2012SE10	ETU 2012SH10	43 lb/ft	38 lb/ft	32 lb/ft	28 lb/ft	24 lb/ft	20 lb/ft
16	ETU 2016SE10	ETU 2016SH10	45 lb/ft	40 lb/ft	35 lb/ft	31 lb/ft	27 lb/ft	23 lb/ft
18	ETU 2018SE10	-	46 lb/ft	41 lb/ft	36 lb/ft	32 lb/ft	28 lb/ft	24 lb/ft
20	ETU 2020SE10	ETU 2020SH10	47 lb/ft	42 lb/ft	37 lb/ft	33 lb/ft	29 lb/ft	25 lb/ft
24	ETU 2024SE10	ETU 2024SH10	50 lb/ft	45 lb/ft	39 lb/ft	35 lb/ft	31 lb/ft	27 lb/ft
Deflection (in.)			1.299	1.457	1.575	1.693	1.811	1.929

Width (in.)	Catalog number		Span (ft)					
	Stainless Steel (304)		5	6	7	8	9	10
4	ETU 2004SS10		30 lb/ft	27 lb/ft	20 lb/ft	15 lb/ft	10 lb/ft	5 lb/ft
8	ETU 2008SS10		41 lb/ft	34 lb/ft	28 lb/ft	23 lb/ft	17 lb/ft	12 lb/ft
12	ETU 2012SS10		43 lb/ft	36 lb/ft	30 lb/ft	25 lb/ft	19 lb/ft	14 lb/ft
16	ETU 2016SS10		45 lb/ft	38 lb/ft	32 lb/ft	27 lb/ft	22 lb/ft	17 lb/ft
20	ETU 2020SS10		47 lb/ft	41 lb/ft	34 lb/ft	29 lb/ft	24 lb/ft	19 lb/ft
24	ETU 2024SS10		49 lb/ft	43 lb/ft	36 lb/ft	31 lb/ft	26 lb/ft	21 lb/ft
Deflection (in.)			1.102	1.220	1.339	1.457	1.575	1.693

4" DEEP U-PROFILE - Maximum Suggested Load (Imperial)

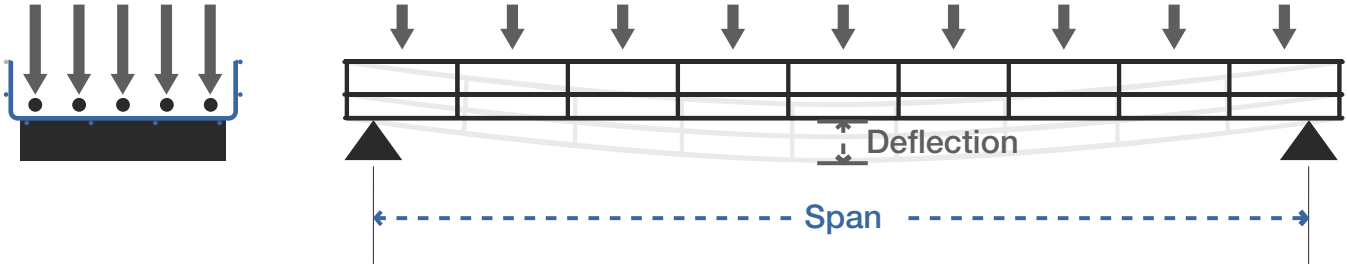
Width (in.)	Catalog number		Span (ft)					
	Electroplated	Hot-Dipped Galvanized Steel	5	6	7	8	9	10
4	ETU 4004SE10	ETU 4004SH10	37 lb/ft	30 lb/ft	23 lb/ft	20 lb/ft	17 lb/ft	15 lb/ft
6	ETU 4006SE10	ETU 4006SH10	38 lb/ft	32 lb/ft	25 lb/ft	21 lb/ft	18 lb/ft	16 lb/ft
8	ETU 4008SE10	ETU 4008SH10	39 lb/ft	33 lb/ft	27 lb/ft	22 lb/ft	20 lb/ft	17 lb/ft
12	ETU 4012SE10	ETU 4012SH10	41 lb/ft	35 lb/ft	30 lb/ft	24 lb/ft	22 lb/ft	19 lb/ft
16	ETU 4016SE10	ETU 4016SH10	48 lb/ft	41 lb/ft	34 lb/ft	26 lb/ft	23 lb/ft	21 lb/ft
18	ETU 4018SE10	-	54 lb/ft	46 lb/ft	39 lb/ft	27 lb/ft	24 lb/ft	22 lb/ft
20	ETU 4020SE10	ETU 4020SH10	59 lb/ft	51 lb/ft	43 lb/ft	28 lb/ft	24 lb/ft	22 lb/ft
24	ETU 4024SE10	ETU 4024SH10	69 lb/ft	60 lb/ft	50 lb/ft	30 lb/ft	27 lb/ft	23 lb/ft
Deflection (in.)			0.236	0.315	0.394	0.512	0.591	0.669

2½" DEEP C-PROFILE - Maximum Suggested Load (Imperial)

Width (in.)	Catalog number		Span (ft)					
	Hot-Dipped Galvanized Steel	Stainless Steel (304)	5	6	7	8	9	10
2	ETC 2502SH10	ETC 2502SS10	FOR LOADING DATA, CONSULT YOUR REGIONAL SALES OFFICE					
4	ETC 2504SH10	ETC 2504SS10						
8	ETC 2508SH10	ETC 2508SS10						
12	ETC 2512SH10	-						
16	ETC 2516SH10	-						
Deflection (in.)								

T&B® Express Tray

Finishes and Loading Information



2" DEEP U-PROFILE - Maximum Suggested Load (Metric)

Width (mm)	Catalog number		Span (m)					
	Electroplated	Hot-Dipped Galvanized Steel	1.50	1.75	2.00	2.50	2.75	3.00
50	ETU 2002SE10	ETU 2002SH10	46 kg/m	34 kg/m	28 kg/m	22 kg/m	16 kg/m	10 kg/m
100	ETU 2004SE10	ETU 2004SH10	51 kg/m	40 kg/m	33 kg/m	27 kg/m	21 kg/m	15 kg/m
150	ETU 2006SE10	ETU 2006SH10	57 kg/m	46 kg/m	37 kg/m	31 kg/m	25 kg/m	19 kg/m
200	ETU 2008SE10	ETU 2008SH10	61 kg/m	52 kg/m	43 kg/m	37 kg/m	31 kg/m	25 kg/m
300	ETU 2012SE10	ETU 2012SH10	64 kg/m	57 kg/m	48 kg/m	42 kg/m	36 kg/m	30 kg/m
400	ETU 2016SE10	ETU 2016SH10	67 kg/m	60 kg/m	52 kg/m	46 kg/m	40 kg/m	34 kg/m
450	ETU 2018SE10	-	69 kg/m	62 kg/m	54 kg/m	48 kg/m	42 kg/m	36 kg/m
500	ETU 2020SE10	ETU 2020SH10	70 kg/m	63 kg/m	55 kg/m	49 kg/m	43 kg/m	37 kg/m
600	ETU 2024SE10	ETU 2024SH10	75 kg/m	67 kg/m	58 kg/m	52 kg/m	46 kg/m	40 kg/m
Deflection (mm)			33	37	40	43	46	49

Width (mm)	Catalog number		Span (m)					
	Stainless Steel (304)		1.50	1.75	2.00	2.50	2.75	3.00
100	ETU 2004SS10		45 kg/m	40 kg/m	30 kg/m	22 kg/m	15 kg/m	7 kg/m
200	ETU 2008SS10		61 kg/m	51 kg/m	42 kg/m	34 kg/m	25 kg/m	18 kg/m
300	ETU 2012SS10		64 kg/m	54 kg/m	45 kg/m	37 kg/m	28 kg/m	21 kg/m
400	ETU 2016SS10		67 kg/m	57 kg/m	48 kg/m	40 kg/m	33 kg/m	25 kg/m
500	ETU 2020SS10		70 kg/m	61 kg/m	51 kg/m	43 kg/m	36 kg/m	28 kg/m
600	ETU 2024SS10		73 kg/m	64 kg/m	54 kg/m	46 kg/m	39 kg/m	31 kg/m
Deflection (mm)			28	31	34	37	40	43

4" DEEP U-PROFILE - Maximum Suggested Load (Metric)

Width (mm)	Catalog number		Span (m)					
	Electroplated	Hot-Dipped Galvanized Steel	1.50	1.75	2.00	2.50	2.75	3.00
100	ETU 4004SE10	ETU 4004SH10	55 kg/m	45 kg/m	34 kg/m	30 kg/m	25 kg/m	22 kg/m
150	ETU 4006SE10	ETU 4006SH10	57 kg/m	48 kg/m	37 kg/m	31 kg/m	27 kg/m	24 kg/m
200	ETU 4008SE10	ETU 4008SH10	58 kg/m	49 kg/m	40 kg/m	33 kg/m	30 kg/m	25 kg/m
300	ETU 4012SE10	ETU 4012SH10	61 kg/m	52 kg/m	45 kg/m	36 kg/m	33 kg/m	28 kg/m
400	ETU 4016SE10	ETU 4016SH10	72 kg/m	61 kg/m	51 kg/m	39 kg/m	34 kg/m	31 kg/m
450	ETU 4018SE10	-	80 kg/m	69 kg/m	58 kg/m	41 kg/m	35 kg/m	32 kg/m
500	ETU 4020SE10	ETU 4020SH10	88 kg/m	76 kg/m	64 kg/m	42 kg/m	36 kg/m	33 kg/m
600	ETU 4024SE10	ETU 4024SH10	103 kg/m	89 kg/m	75 kg/m	45 kg/m	40 kg/m	34 kg/m
Deflection (mm)			6	8	10	13	15	17

2½" DEEP C-PROFILE - Maximum Suggested Load (Metric)

Width (mm)	Catalog number		Span (m)					
	Hot-Dipped Galvanized Steel	Stainless Steel (304)	1.50	1.75	2.00	2.50	2.75	3.00
50	ETC 2502SH10	ETC 2502SS10						
100	ETC 2504SH10	ETC 2504SS10						
200	ETC 2508SH10	ETC 2508SS10						
300	ETC 2512SH10	-						
400	ETC 2516SH10	-						
Deflection (mm)								

FOR LOADING DATA,
CONSULT YOUR REGIONAL
SALES OFFICE