

The GOLD Standard

With over 100 years of combined electrical and mechanical support systems experience, the CT Innovations leadership team set out to build an agile company that is focused on, and dedicated to, customers, not shareholders. In our view, great service is not a luxury; it is a necessity that too few deliver.

At CT Innovations, we focus on one thing and one thing only our customers' needs. We believe in taking action, being easy to do business with, and being held accountable by those we serve. We are not all things to all people. We will, however, always strive to be our customers' preferred supplier in our space and to be recognized as an organization that consistently provides superior value, service, and innovation.

CT Innovations Company Creed: "Do Better. Be Better."



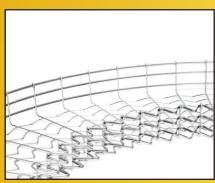
TOUGHMesh System



Straight Sections

Ioft long cable support system

Wirebasket made up of lateral and longitudinal wires with a nominal 2x4in mesh pattern, designed for maximum cable support, field flexibility, strength, and safety.



Fittings

Pre-made horizontal bends

Manufactured from the same great strength and quality of our straight sections, Crimped-2-Go fittings save tremendous time and money over the conventional method of cutting securing, cutting securing...etc



Covers

Snap-On Covers

Install covers with a SNAP! Utilizing the patented CurlSafe safety edge protection design, CT Innovations was able to engineer extremely quick Snap-On Covers to finish your job outright.



Accessories

Designed for simplifying installations

Understanding that every jobsite brings different challenges, our team has spent hours designing user focused accessories engineered for easier, quicker, and safer installations.

TOUGHMesh

ENGINEERED PROFICIENCY

Performance you can see and feel. With a patented "Safe-T-Curl" designed to mitigate stress points along the edge of the basket, and an engineered wire portfolio designed for the ultimate strength to weight ratio, CT Innovations can reduce material and labor on your next project.

EXCEPTIONAL VALUE

As the price of project materials continue to increase, it has never been more important to drive cost out of a project. CT Innovations has invested in fully automated wire weld machines allowing for improved manufacturing efficiency, improved flexibility, and improved quality.

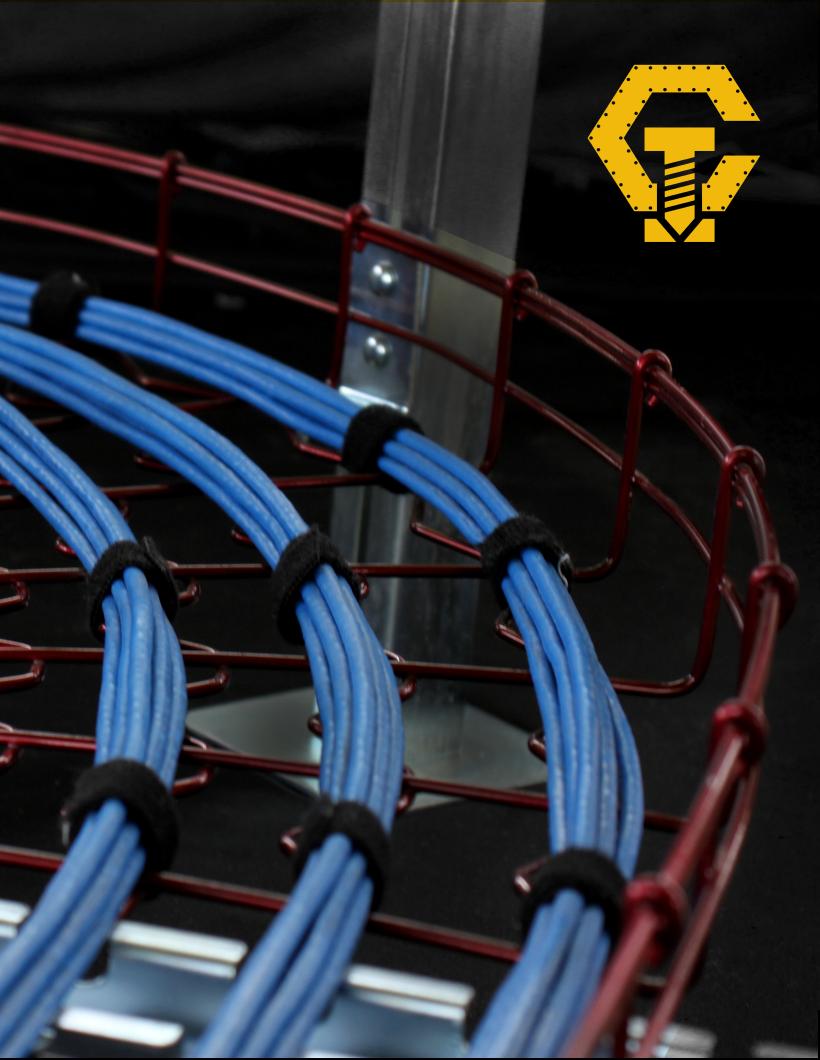
INNOVATIVE PROTECTION

Never satisfied with the status quo, CT Innovations has pushed the boundaries of what environmental protection means in the electrical and mechanical industries. With thousands of hours of testing, and over 100yrs of industry experience, CT Innovations has brought to market an all-in-one indoor/outdoor finish, TOUGHGalv, that is aesthetically pleasing, cost effective, and environmentally resistant up to 40yrs offshore.

AVAILABILITY

CT Innovations carries an extensive amount of stock to ensure the market has product when they need it, not when it's convenient. No longer do you have to wait weeks for manufacturers to source material and work it into their schedule; buy with confidence with ready to ship inventory from CTI.





TOUGHMesh Properties

Grounding Information:

This product is classified by Underwriters Laboratories, Inc. as an equipment grounding conductor only. Grounding eligibility is determined by cross-sectional area, material properties, and splicing methodology; therefore smaller sizes may not apply, please reference chart on next page.

Finish Information:

Plain wire, no finish

Reccomended Application: Special fabrication

ASTM A510/A510M

EG: Electroplated zinc galvanized finish applied after fabrication

Reccomended Application: Indoor

ASTM B633

PT: Painted finish applied after fabrication

Reccomended Application: Indoor

ASTM: N/A

TG: TOUGHGalv finish applied before fabrication

Reccomended Application: Indoor / outdoor / industrial / offshore

ASTM B997

S6: Stainless steel 316 finish applied before fabrication

Reccomended Application: Indoor / outdoor / industrial / offshore

ASTM: A580/A580M

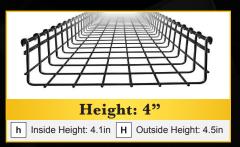
Protection Information:

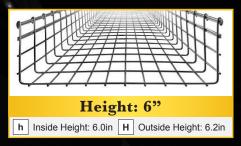


Straight Sections









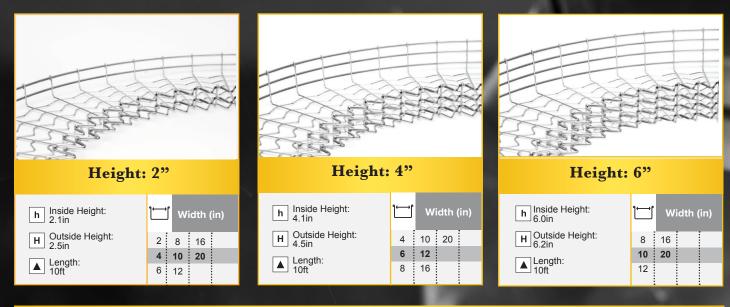
Height **Product Series & Type** Length Finish Inside Width 2 = 2" 02 = 2" 12 = 12" 10 = 10PL TG TMS = TOUGHMesh Straight 4 = 4" EG S6 04 = 4" 16 = 16" 06 = 6" 18 = 18" 08 = 8" 20 = 20" 6 = 6" PT10 = 10" 24 = 24"

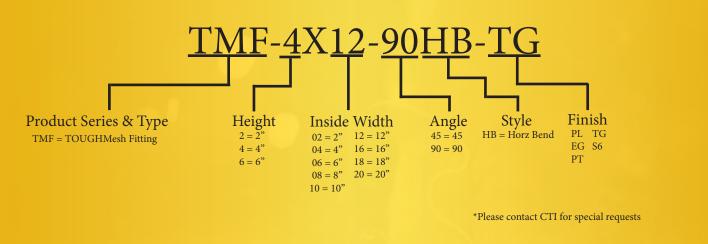
*Please contact CTI for non-listed sizes available

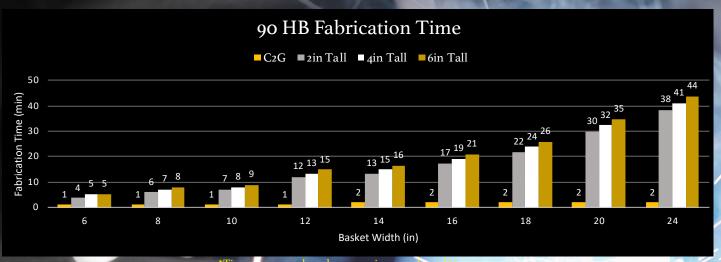
Basket Size	Load (lbs/ft)	Reccomended Splices			Est. Cable Fill	l QTY (50% fill)	Nominal Area (in^2)	Physical Weight (lbs)
HXW	5ft	Washer Splice Kits	Posi-Lok Mini	Posi-Lok	CAT 6 (.25in)	CAT 6A (.28in)	Inside Basket	10ft sections
2X2	15	2			40	32	4	4.5
2X4	18	2	2		81	64	8	6.7
2X6	24	2	2		122	97	12	7.5
2X8	31	3	2		163	129	16	8.7
2X10	46	3	2		203	162	20	10.6
2X12	55	3		2	244	194	24	12.8
2X16	117	4		2	326	259	32	19.3
2X18	117	4		2	366	292	36	19.7
2X20	123	4		2	407	324	40	24.8
2X24	132	4		2	489	389	48	27.8
4X4	62	4	2		163	129	16	8.7
4X6	66	4	2		244	194	24	10.5
4X8	78	5	2		326	259	32	12.8
4X10	78	5	2		407	324	40	18.4
4X12	108	6		2	489	389	48	19.3
4X16	123	6		2	652	519	64	24.8
4X18	127	6		2	733	584	72	25.7
4X20	137	7		2	815	649	80	27.8
4X24	145	7		2	978	779	96	28.4
6X8	62	6	2		489	389	48	19.3
6X10	62	6	2		611	487	60	23.8
6X12	117	7		2	733	584	72	24.8
6X16	133	7		2	978	779	96	27.8
6X18	144	7		2	1100	877	108	29.3
6X20	146	8		2	1222	974	120	30.9
6X24	148	8		2	1467	1169	144	35.2

C2G Fittings









Snap-On Covers



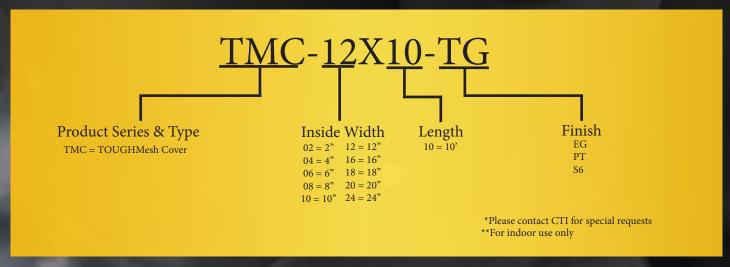


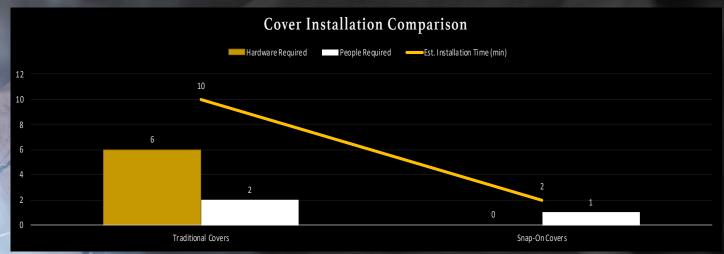
Snap-On Covers

Covers do not require any additional accessories for its installation, it is placed under pressure on the upper curls of the tray.

Width (in)

9 کے ک	2	8	16	
` '	4	10	20	
	6	12	24	





*Times may vary based on experience and conditions

Accessories

POSI-LOK SPLICE PLATES

After installing and designing for years, our team knew there was a better means of connecting basket sections. Traditional 3 piece kits are strong but are very time consuming and quick connect splices are fast but lack rigidity. To solve these common issues, CT Innovations is happy to introduce the market to our POSI-LOK splice plate.

RAPID-HANGERS

Whether your project calls for a single ATR drop or a more traditional trapeze kit, CT Innovations has engineered a support solution to dramatically increase installation efficiency by removing unnecessary hold down restraints and integrating a toolless clip-in unibody design.

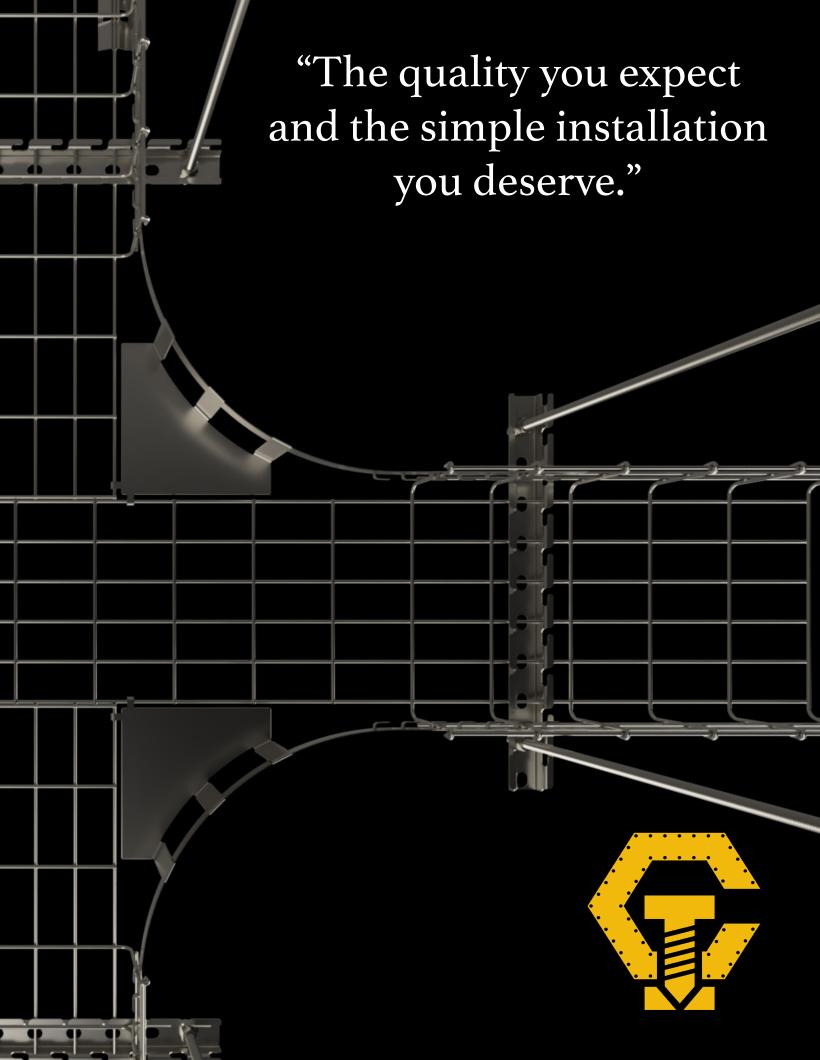
CORNER SUPPORT KITS

When cable support is essential, leaving space around intersecting unions such as horizontal tees or horizontal crosses is unacceptable. With CT Innovations corner kits, free hanging wires are a thing of the past. With a clip-in design, and a fully supported corner, install your sensitive cables with confidence and ease.

MODULAR WALL SUPPORT SYSTEM

If trapeze supports are not within scope and a wall mount is required, look no further than CT Innovations Modular Wall Support System. Utilizing 10ft long vertical sticks that can be cut to fit and lateral risers that simply lock into place, this system is ideal for maximum repeatability.





Splices & Unions











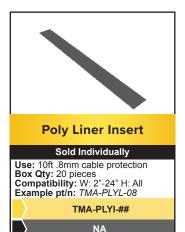


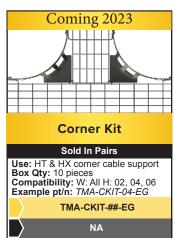












Hangers & Brackets

















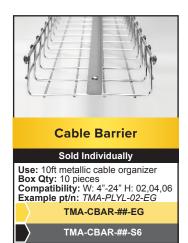








Organization & Hardware

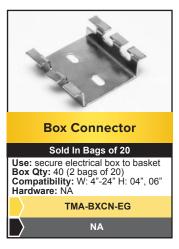




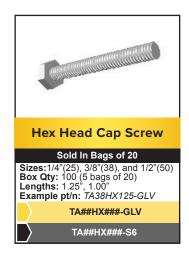












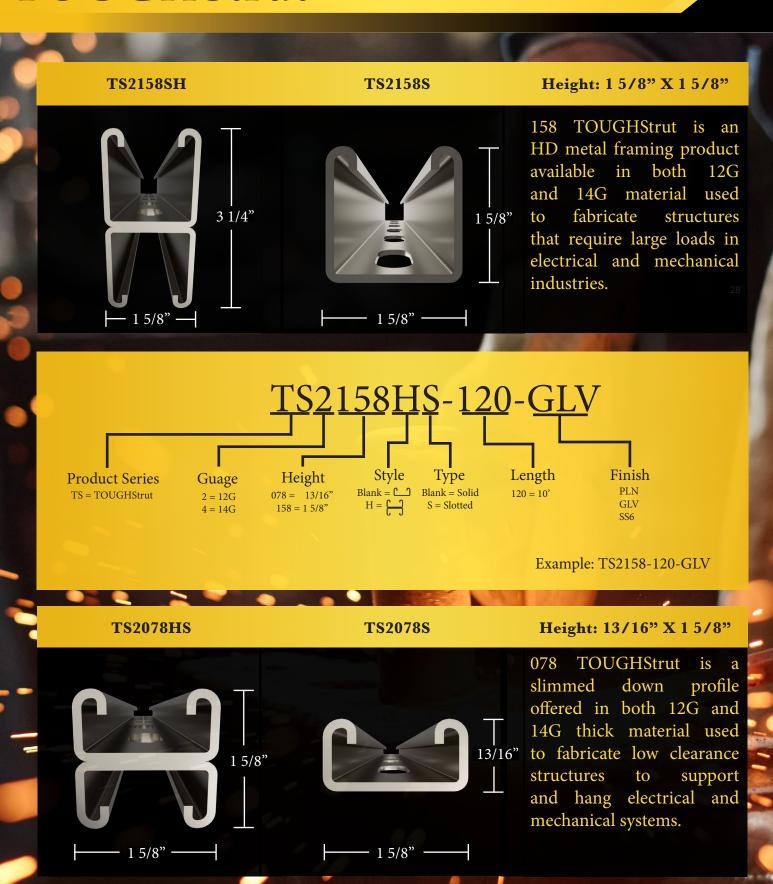








TOUGHStrut



Engineering

SUBMITTALS / DATA SHEETS

Do you need product typicals, material compositions, generalized pictorial indices for project submission? CT Innovations has all the technical documentation you need.

ENGINEERING SERVICES

CT Innovations takes great pride in their ability to provide engineered product solutions. From the initial design concept and planning to final site installation, our egineering team has you and your project covered.

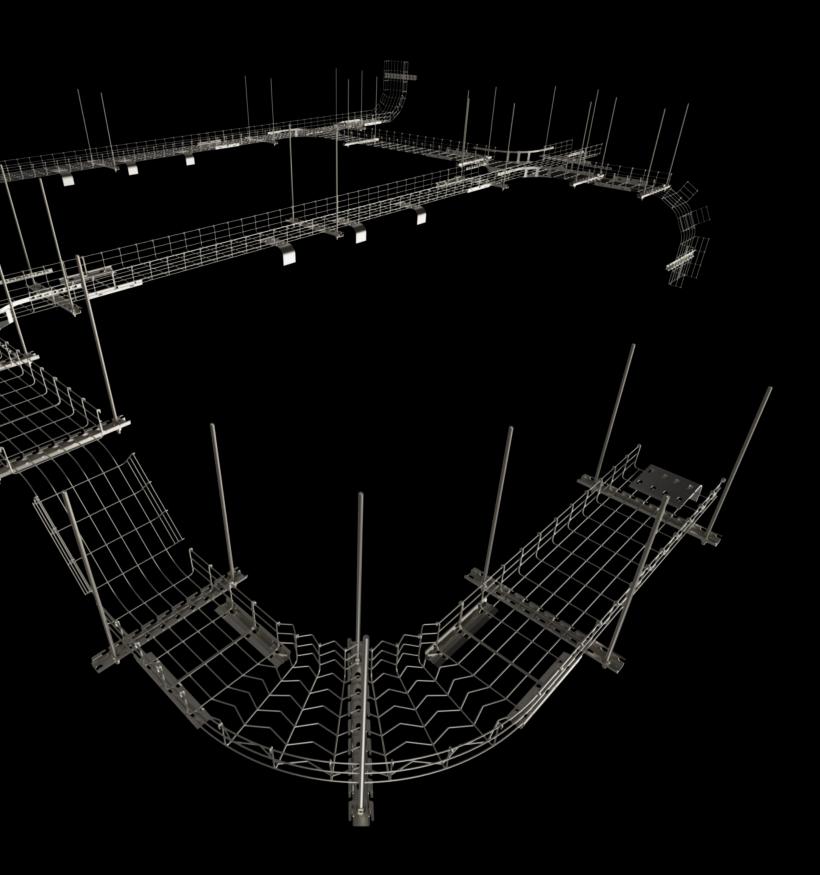
INSTRUCTION SHEETS

Whether its a straight section, fitting, cover, or one of our many innovative accessories, CT Innovations has detailed instructions to help with installation and project coordination.

TOUGH SUPPORT SAVINGS

Our products are second to none, but our great products are only half the value CT Innovations brings to the table. With extensive testing and vast knowledge of the codes and standards applied to our products from years of being seated members of the governing bodies, CT Innovations is compiling the GOLD standard of support savings to ensure you maximize your next projects full potential.

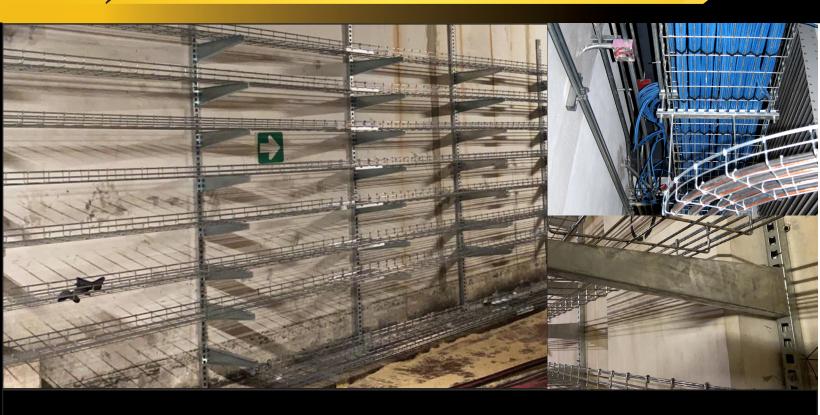




Finish Recommendations

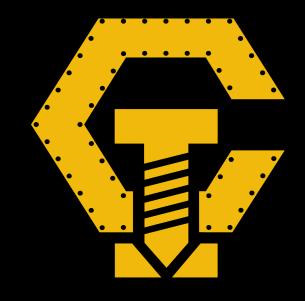
	Recommended			Not Recommended			
	Indoors	Outdoors	Solar	Industrial	Offshore	Food	
PL							
PG							
PC							
EG							
TG							
S6							

Project Installations



INDUSTRIAL - COMMERCIAL - DATACOMM





Rev: B

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CT INNOVATIONS

WWW.TOUGHINNOVATIONS.COM