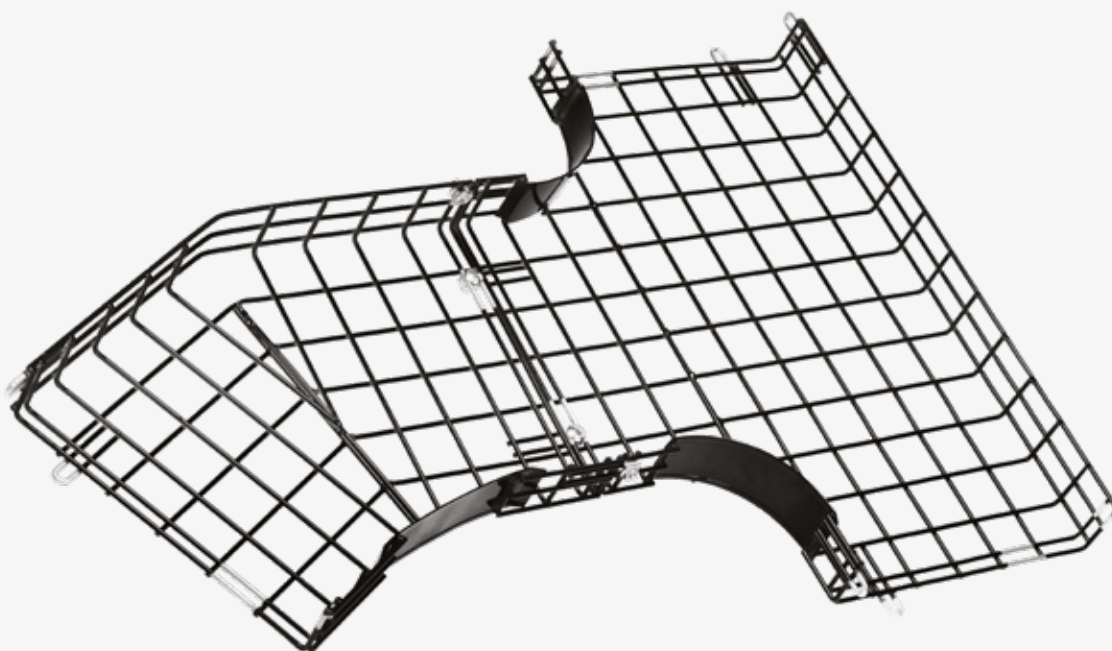


—
PRODUCT BROCHURE

QuickTurn[®] basket tray system with prefab fittings



Cut Time, Not CornersSM with QuickTurn prefab fittings

QuickTurn prefab fittings save you time and money.

Cutting fittings for basket tray installation is labor-intensive and time-consuming. That's why, in addition to straight sections, ABB's QuickTurn basket tray system features a full array of factory-made fittings for turns, T's and elevation changes to create a 100% NEC compliant cable tray system. The QuickTurn system eliminates on-site fabrication and bonding worries, enabling you to install fittings up to 80% faster. And that can make it easier for you to turn a profit.

- Reduces installation time by eliminating the need for cutting or bending
- Ideal for commercial and industrial cable tray applications
- Rugged steel construction with powder coat finish
- Also available in type 304 and 316 stainless steel
- Features built-in UL bonding and splicing
- NEC compliant with no bonding jumpers required
- UL classified
- Made in the U.S.A.

Fittings made simple.

QuickTurn factory-made straight sections and fittings make installation and cable running easier.

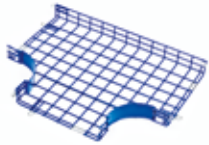
- One-tool installation — simplifies the entire process
- A fitting for every need — streamlines work flow and materials handling
- No cutting — eliminates waste
- Low-resistance corner plates — speeds cable pulling

TB-0520 series straight sections and TB-0525 series fittings

Dimensions W x H (in.)	Straight section 10'L std.*
2 x 2	TB-0520-02-2-10- _
4 x 2	TB-0520-04-2-10- _
6 x 2	TB-0520-06-2-10- _
8 x 2	TB-0520-08-2-10- _
12 x 2	TB-0520-12-2-10- _
18 x 2	TB-0520-18-2-10- _
24 x 2	TB-0520-24-2-10- _
36 x 2	TB-0520-36-2-10- _
4 x 4	TB-0520-04-4-10- _
6 x 4	TB-0520-06-4-10- _
8 x 4	TB-0520-08-4-10- _
12 x 4	TB-0520-12-4-10- _
18 x 4	TB-0520-18-4-10- _
24 x 4	TB-0520-24-4-10- _
36 x 4	TB-0520-36-4-10- _
6 x 6	TB-0520-06-6-10- _
8 x 6	TB-0520-08-6-10- _
12 x 6	TB-0520-12-6-10- _
18 x 6	TB-0520-18-6-10- _
24 x 6	TB-0520-24-6-10- _
36 x 6	TB-0520-36-6-10- _

NOTE: All catalog numbers must be completed by adding a suffix from the material and finish suffixes chart in place of the - _ to specify the desired material/finish.

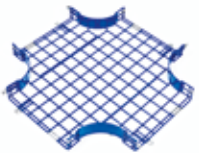




T Fitting



45° Fitting



X Fitting



Elevation change

Safety built right in.

QuickTurn's integrated bonding loops ensure proper bonding connections every time. No secondary cables, lugs or straps to fool with. With QuickTurn's prefabricated fittings, safety-conscious contractors can eliminate the dangerous, often sharp wire ends that result from on-site fabrication, minimizing injury risk to workers.

Durability inside and out.

QuickTurn is made in America. Its high-strength steel basket design provides structural integrity, and its special post-fabrication powder coat protects all welds from the elements. That makes QuickTurn a great choice for demanding locations. It's available in five different colors, too, to accommodate a wide range of color schemes and architectural applications. It can also be painted to match the surrounding surfaces and is available in stainless steel. Need zinc-free components for your high-tech application? We can handle that too. Just ask!

A turn for the better.

Where do you want to go? QuickTurn can take you there, providing a higher level of versatility and control. Choose from a wide variety of configurations, sizes, colors and accessories, all backed by the support and service of ABB. Whether you have a question about installation or simply need extra connecting hardware, we are ready to help.

QuickTurn standard basket tray system

UL classified and designed for standard commercial and industrial cable management and support.

- $\frac{3}{16}$ " wire diameter in 2" x 4" grid pattern
- Widths of 2", 4", 6", 8", 12", 18", 24" or 36"
- Depths of 2", 4" or 6"
- Lengths of 1', 2', 5', 8' or 10' (10' is standard)
- Fittings include T's, X's, L's, elevation changes, 30° and 45° turns and reducers
- Can be ordered with solid bottom plates (see page 4) or dividers (see page 7) factory-installed with no additional change for installation
- Straight sections and fittings ship with all connecting hardware included
- See page 8 for load/fill capacity and weight charts



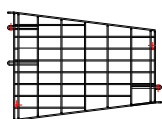
30° Fitting	45° Fitting	Elevation change	L fitting	T fitting	X fitting
TB-0525-02-2-30_-	TB-0525-02-2-45_-	TB-0525-02-2-EC_-	TB-0525-02-2-L_-	TB-0525-02-2-T_-	TB-0525-02-2-X_-
TB-0525-04-2-30_-	TB-0525-04-2-45_-	TB-0525-04-2-EC_-	TB-0525-04-2-L_-	TB-0525-04-2-T_-	TB-0525-04-2-X_-
TB-0525-06-2-30_-	TB-0525-06-2-45_-	TB-0525-06-2-EC_-	TB-0525-06-2-L_-	TB-0525-06-2-T_-	TB-0525-06-2-X_-
TB-0525-08-2-30_-	TB-0525-08-2-45_-	TB-0525-08-2-EC_-	TB-0525-08-2-L_-	TB-0525-08-2-T_-	TB-0525-08-2-X_-
TB-0525-12-2-30_-	TB-0525-12-2-45_-	TB-0525-12-2-EC_-	TB-0525-12-2-L_-	TB-0525-12-2-T_-	TB-0525-12-2-X_-
TB-0525-18-2-30_-	TB-0525-18-2-45_-	TB-0525-18-2-EC_-	TB-0525-18-2-L_-	TB-0525-18-2-T_-	TB-0525-18-2-X_-
TB-0525-24-2-30_-	TB-0525-24-2-45_-	TB-0525-24-2-EC_-	TB-0525-24-2-L_-	TB-0525-24-2-T_-	TB-0525-24-2-X_-
TB-0525-36-2-30_-	TB-0525-36-2-45_-	TB-0525-36-2-EC_-	TB-0525-36-2-L_-	TB-0525-36-2-T_-	TB-0525-36-2-X_-
TB-0525-04-4-30_-	TB-0525-04-4-45_-	TB-0525-04-4-EC_-	TB-0525-04-4-L_-	TB-0525-04-4-T_-	TB-0525-04-4-X_-
TB-0525-06-4-30_-	TB-0525-06-4-45_-	TB-0525-06-4-EC_-	TB-0525-06-4-L_-	TB-0525-06-4-T_-	TB-0525-06-4-X_-
TB-0525-08-4-30_-	TB-0525-08-4-45_-	TB-0525-08-4-EC_-	TB-0525-08-4-L_-	TB-0525-08-4-T_-	TB-0525-08-4-X_-
TB-0525-12-4-30_-	TB-0525-12-4-45_-	TB-0525-12-4-EC_-	TB-0525-12-4-L_-	TB-0525-12-4-T_-	TB-0525-12-4-X_-
TB-0525-18-4-30_-	TB-0525-18-4-45_-	TB-0525-18-4-EC_-	TB-0525-18-4-L_-	TB-0525-18-4-T_-	TB-0525-18-4-X_-
TB-0525-24-4-30_-	TB-0525-24-4-45_-	TB-0525-24-4-EC_-	TB-0525-24-4-L_-	TB-0525-24-4-T_-	TB-0525-24-4-X_-
TB-0525-36-4-30_-	TB-0525-36-4-45_-	TB-0525-36-4-EC_-	TB-0525-36-4-L_-	TB-0525-36-4-T_-	TB-0525-36-4-X_-
TB-0525-06-6-30_-	TB-0525-06-6-45_-	TB-0525-06-6-EC_-	TB-0525-06-6-L_-	TB-0525-06-6-T_-	TB-0525-06-6-X_-
TB-0525-08-6-30_-	TB-0525-08-6-45_-	TB-0525-08-6-EC_-	TB-0525-08-6-L_-	TB-0525-08-6-T_-	TB-0525-08-6-X_-
TB-0525-12-6-30_-	TB-0525-12-6-45_-	TB-0525-12-6-EC_-	TB-0525-12-6-L_-	TB-0525-12-6-T_-	TB-0525-12-6-X_-
TB-0525-18-6-30_-	TB-0525-18-6-45_-	TB-0525-18-6-EC_-	TB-0525-18-6-L_-	TB-0525-18-6-T_-	TB-0525-18-6-X_-
TB-0525-24-6-30_-	TB-0525-24-6-45_-	TB-0525-24-6-EC_-	TB-0525-24-6-L_-	TB-0525-24-6-T_-	TB-0525-24-6-X_-
TB-0525-36-6-30_-	TB-0525-36-6-45_-	TB-0525-36-6-EC_-	TB-0525-36-6-L_-	TB-0525-36-6-T_-	TB-0525-36-6-X_-

* 10' length is standard for QuickTurn TB-0520 series basket tray straight sections. Replace -10- in the catalog number with the following codes to order other available lengths:
 -1- = 1', -02- = 2', -05- = 5', -08- = 8'. Example: TB-0520-06-2-05-6 is a 6 x 2 x 5'L straight section made of steel with a blue powder coat finish.

Cut Time, Not CornersSM with QuickTurn prefab fittings

Material and finish suffixes

Suffix	Color	Example
Steel with powder coat finish in color specified		
-1	Yellow	TB-0525-06-2-30-1
-2	White	TB-0525-06-2-30-2
-3	Chrome	TB-0525-06-2-30-3
-4	Black	TB-0525-06-2-30-4
-5	Red	TB-0525-06-2-30-5
-6	Blue	TB-0525-06-2-30-6
-10	Orange	TB-0525-06-2-30-10
Type 304 stainless steel		
-SS	–	TB-0525-06-2-30-SS
Type 316 stainless steel		
-SS316	–	TB-0525-06-2-30-SS316



Reducers

TB-0529 series reducers



Tray width reduction (in.)	2" Tray height	4" Tray height	6" Tray height
6 to 4	TB-0529-06X04-2- _	TB-0529-06X04-4- _	TB-0529-06X04-6- _
8 to 6	TB-0529-08X06-2- _	TB-0529-08X06-4- _	TB-0529-08X06-6- _
12 to 8	TB-0529-12X08-2- _	TB-0529-12X08-4- _	TB-0529-12X08-6- _
18 to 12	TB-0529-18X12-2- _	TB-0529-18X12-4- _	TB-0529-18X12-6- _
24 to 18	TB-0529-24X18-2- _	TB-0529-24X18-4- _	TB-0529-24X18-6- _

NOTE: All catalog numbers must be completed by adding a suffix from the material and finish suffixes chart in place of the - _ to specify the desired material/finish.

QuickTurn mounting supports and hardware accessories

Wide range of accessories for use with TB-0520 series standard QuickTurn basket tray system.



Top covers

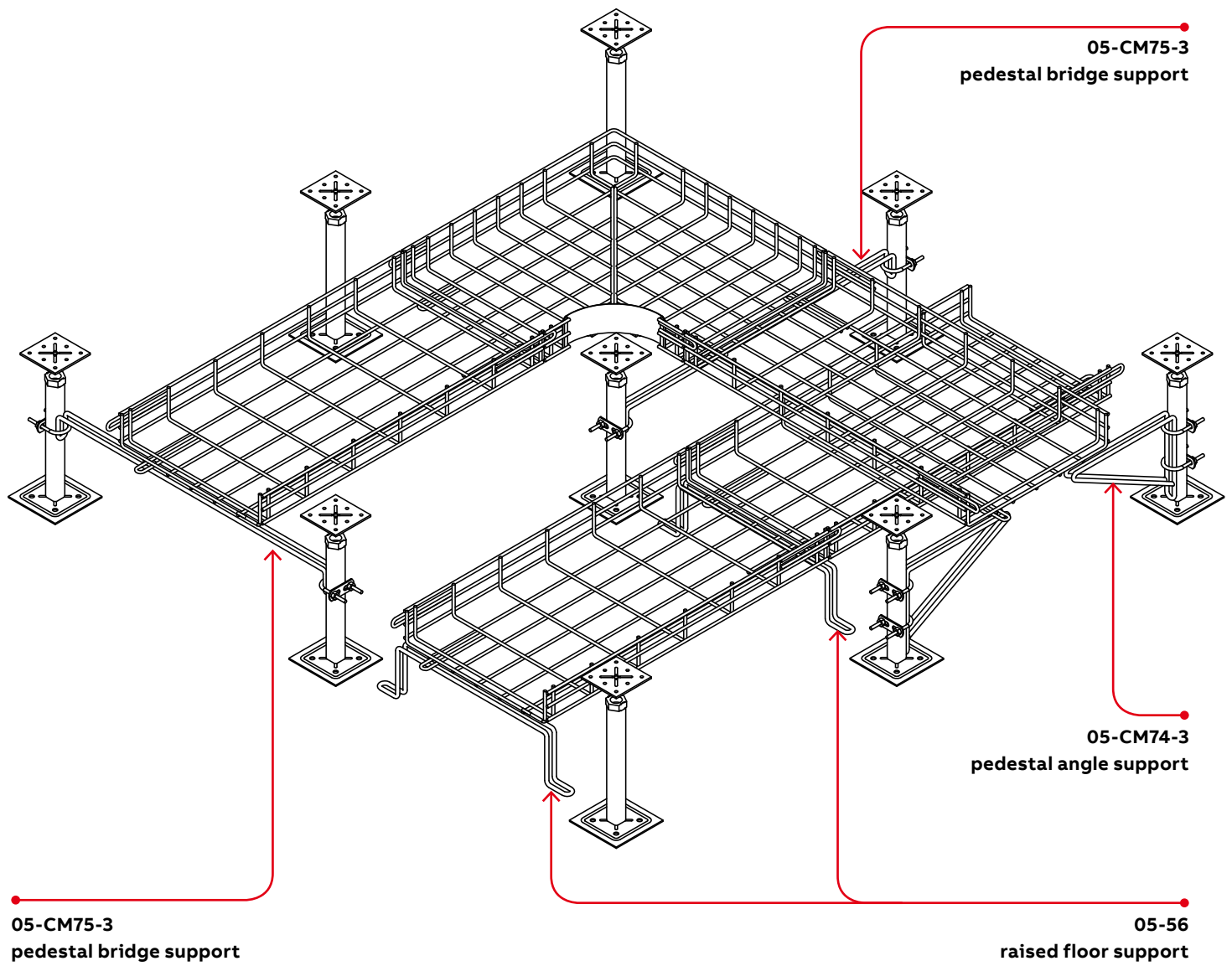


Solid bottom plate

QuickTurn solid bottom plates and top covers

Size W x L (in.)	Solid bottom plate	Top cover
6 x 59	TB-052-06BP- _	TB-052-06TC- _
8 x 59	TB-052-08BP- _	TB-052-08TC- _
12 x 59	TB-052-12BP- _	TB-052-12TC- _
18 x 59	TB-052-18BP- _	TB-052-18TC- _
24 x 59	TB-052-24BP- _	TB-052-24TC- _
36 x 59	TB-052-36BP- _	TB-052-36TC- _

NOTE: All catalog numbers must be completed by adding a suffix from the material and finish suffixes chart in place of the - _ to specify the desired material/finish.



QuickTurn mounting supports and hardware accessories

QuickTurn mounting supports

For tray width (in.)	Center support kit for ¼" rod	Center support kit for ⅜" rod	Trapeze support kit for ¼" rod	Trapeze support kit for ⅜" rod	Under-floor mount support bracket	Wall-mount support bracket**	Cable tray support L-style bracket	Cable tray support C-style bracket
2	TB-0550-02	—	—	—	TB-0556-02	TB-0557-02	—	—
4	TB-0550-04	—	—	—	TB-0556-04	TB-0557-04	—	—
6	TB-0550-06	TB-0551-06	TB-0552-06	TB-0553-06	TB-0556-06	TB-0557-06	TB-05-CM18-06	TB-05-CM24-06
8	TB-0550-08	TB-0551-08	TB-0552-08	TB-0553-08	TB-0556-08	TB-0557-08	TB-05-CM18-08	TB-05-CM24-08
12	TB-0550-12	TB-0551-12	TB-0552-12	TB-0553-12	TB-0556-12	TB-0557-12	TB-05-CM18-12	TB-05-CM24-12
18	TB-0550-18*	TB-0551-18*	TB-0552-18*	TB-0553-18*	TB-0556-18	TB-0557-18*	TB-05-CM18-18	TB-05-CM24-18
24	TB-0550-24*	TB-0551-24*	TB-0552-24*	TB-0553-24*	TB-0556-24	TB-0557-24*	TB-05-CM18-24	TB-05-CM24-24
36	TB-0550-36*	TB-0551-36*	TB-0552-36*	TB-0553-36*	TB-0556-36	TB-0557-36*	TB-05-CM18-36	TB-05-CM24-36

* Kits for 18" and wider tray are built from heavy-duty framing strut to accommodate heavier loads.

** Wall-mount support bracket standard height is 4"; contact your ABB representative for ordering information on other available heights.



Under-floor mount support



Trapeze support



Cable tray support "C" bracket



Center support



Wall-mount support



Cable tray support "L" bracket



Pedestal bridge support



Hold-down bracket



Hold-down bracket



U clamp



Heavy-duty equipment support



Angled pedestal support

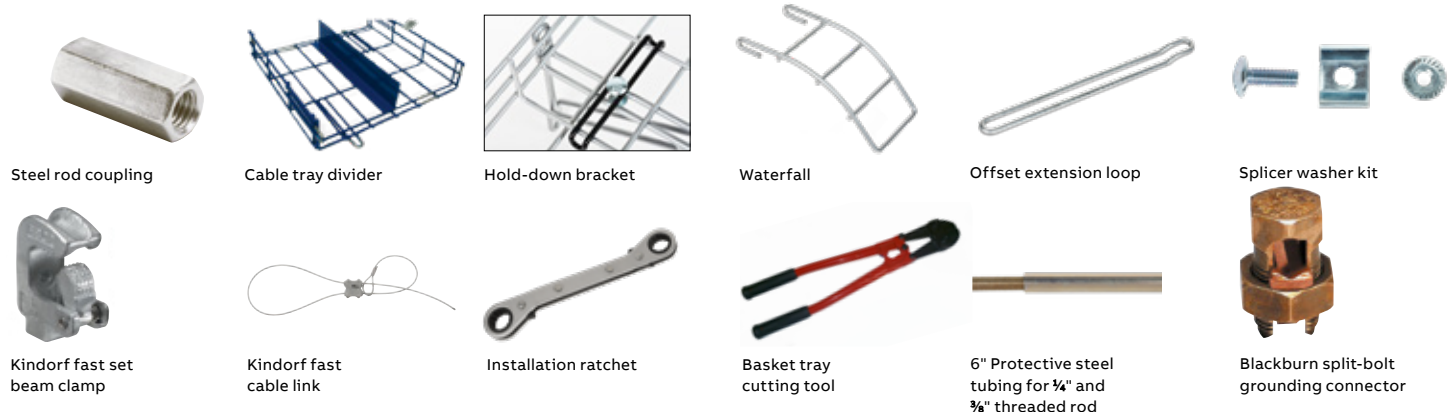
QuickTurn mounting supports and hardware accessories

Other QuickTurn accessories

Cat. no.	Description
TB-05-CM75-3	Raised-floor pedestal bridge support kit (includes one bridge support and two U-clamps)
TB-05-2-500983-_*	Divider for 2"H tray, 2"H X 5'L (includes two splice washer assembly kits)
TB-05-2-500984-_*	Divider for 4"H tray, 2"H X 5'L (includes two splice washer assembly kits)
TB-05-2-500982-_*	Hold-down bracket (included with all wall, floor and ceiling support kits — order extras only)
TB-0559-04-_*	Waterfall, 3/16" wire diameter, 4"W**
TB-05-CM58	Offset extension loop (allows lateral adjustment of up to 12" during installation of quickturn sections)
TB-0526-00726	Splice washer kit (includes one 1/4"-20 bolt washer, one splice washer and one flanged hex nut, all zinc-plated steel)
H119-1/4-EGC	Steel rod coupling, 1/4"-20
H119-3/8-EGC	Steel rod coupling, 3/8"-16
E147 1/4	Flat steel washer, 1/4"
E147 3/8	Flat steel washer, 3/8"
TB-CM68	Carriage bolt, 5/16"-18 x 3/4"
TB-CM72	Carriage bolt, 5/16"-18 x 1 1/4"
TB-CM65	Finned nut, 1/4"-20
TB-CM67	Finned nut, 5/16"-18
TB-CM66	Finned nut, 3/8"-16
TB-CM69	6" Protective steel tubing for 1/4" and 3/8" threaded rod
9H	Blackburn® split-bolt grounding connector
FBC-1	Kindorf® fast set beam clamp for 1/4"-20 rod (250 lb. load rating)
FBC-2	Kindorf fast set beam clamp for 3/8"-16 rod (600 lb. load rating)
FCL-3-5	Kindorf fast cable link ceiling suspension system with loop end, 5'L (3/16" wire diameter, 200 lb. load rating)
FCL-3-10	Kindorf fast cable link ceiling suspension system with loop end, 10'L (3/16" wire diameter, 200 lb. load rating)
FCL-3-5-LH	Kindorf fast cable link ceiling suspension system with hook end, 5'L (3/16" wire diameter, 200 lb. load rating)
FCL-3-10-LH	Kindorf fast cable link ceiling suspension system with hook end, 10'L (3/16" wire diameter, 200 lb. load rating)
TB-CM99	Installation ratchet
TB-0520-600728	Basket tray cutting tool

* Catalog number must be completed by adding a suffix from the material and finish suffixes chart in place of the _ to specify the desired material/finish.

** Other widths available; contact your ABB representative for ordering information.



Material and finish suffixes

Suffix	Color	Example
Steel with powder coat finish in color specified		
-1	Yellow	TB-0525-06-2-30-1
-2	White	TB-0525-06-2-30-2
-3	Chrome	TB-0525-06-2-30-3
-4	Black	TB-0525-06-2-30-4
-5	Red	TB-0525-06-2-30-5
-6	Blue	TB-0525-06-2-30-6
-10	Orange	TB-0525-06-2-30-10
Type 304 stainless steel		
-SS	-	TB-0525-06-2-30-SS
Type 316 stainless steel		
-SS316	-	TB-0525-06-2-30-SS316

Standard basket tray system

QuickTurn TB-0520 series standard basket tray system load and fill capacities



Tray size H x W x L (in.)	Fill area (sq. in.)	Max. no. of 0.30" O.D. cables at 50% fill ratio	Approx. max. cable weight (lbs./ft.)	Tested load capacity at 5'L (lbs./ft.)	Tested load capacity at 10'L (lbs./ft.)
2 x 6 x 10	13.2	130	4.290	46	14
2 x 8 x 10	17.6	174	5.742	29	16
2 x 12 x 10	26.4	260	8.580	34	19
2 x 18 x 10	39.6	394	13.002	43	22
2 x 24 x 10	52.8	527	17.391	52	23
2 x 36 x 10	79.2	788	*	*	*
4 x 6 x 10	25.2	253	8.349	68	22
4 x 8 x 10	33.6	331	10.923	95	35
4 x 12 x 10	50.4	496	16.368	120	50
4 x 18 x 10	75.6	751	24.783	124	52
4 x 24 x 10	100.8	998	32.934	128	55
4 x 36 x 10	151.2	1502	*	*	*
6 x 6 x 10	37.2	370	12.210	110	48
6 x 8 x 10	49.6	493	16.269	108	47
6 x 12 x 10	74.4	739	24.387	124	52
6 x 18 x 10	111.6	1106	36.498	128	55
6 x 24 x 10	148.8	1444	47.652	154	59
6 x 36 x 10	223.2	2212	*	*	*

* Contact Technical Services for 36" tray weights and capacities.

* NEC Article 392.9 (B)

QuickTurn TB-0520 series standard basket tray system weights

Tray size H x W x L (in.)	1' Length (lbs.)	2' Length (lbs.)	5' Length (lbs.)	8' Length (lbs.)	10' Length (lbs.)
2 x 6	1.46	2.46	5.45	8.43	10.44
2 x 8	1.65	2.75	6.20	9.60	11.90
2 x 12	2.03	3.45	7.21	11.95	14.81
2 x 18	2.20	4.55	10.08	15.59	19.30
2 x 24	3.26	5.53	12.33	17.10	23.66
2 x 36	*	*	*	*	*
4 x 6	1.63	2.74	6.01	9.27	11.41
4 x 8	1.84	3.07	6.47	10.45	12.93
4 x 12	2.21	3.73	8.22	12.80	15.84
4 x 18	2.89	4.83	10.65	16.43	20.33
4 x 24	3.45	5.81	12.89	19.95	24.96
4 x 36	*	*	*	*	*
6 x 6	2.40	4.15	9.40	14.63	18.16
6 x 8	2.59	4.48	10.16	15.81	19.61
6 x 12	2.78	4.76	10.72	16.65	20.65
6 x 18	3.45	5.86	13.09	20.28	25.13
6 x 24	4.02	6.85	15.35	23.80	29.50
6 x 36	*	*	*	*	*

* Contact Technical Services for 36" tray weights and capacities.



QuickTurn basket tray system installation

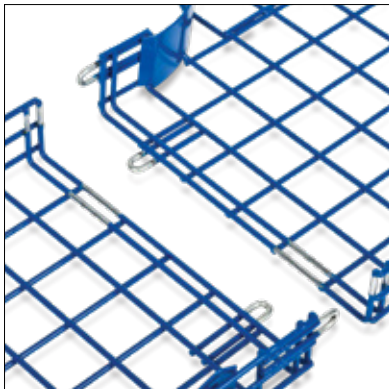
Take installation in a whole new direction.



The QuickTurn basket tray system should be installed starting at the originating head end (electrical or telecommunications closet). Once the pathway has been established, field measurements should be taken before installing the tray. If the straight sections are installed first, it will cause unnecessary field adjustments.

Each section has loops at each end. When the sections are connected, the loop on the bottom aligns under the galvanized masked area of the adjoining section. The loop on the side slides into the outside loop guide.

Each QuickTurn section ships with all required connection hardware. Once trays are aligned, install the $\frac{5}{16}$ " carriage bolt (included) through the loops with the threaded end to the outside of the tray. Install and tighten the flanged nuts with a $\frac{1}{2}$ " socket. This reduces the chances of damage when pulling the cables.



QuickTurn wire-grid basket tray systems require only one tool and very few accessory items for installation. Prefabricated fittings/intersections eliminate the need for cutting and fabrication in the field to reduce labor time by 50% or more. With center-hung, trapeze, wall- and floor-mount accessories, QuickTurn is prepared to handle your toughest installations.



Notes



ABB Inc.

Electrification Products
860 Ridge Lake Blvd.
Memphis, TN 38120

Customer Service: 800-816-7809
Technical Support: 888-862-3289

abb.com/lowvoltage