Ruff-IN your way!

Ruff-IN is available in multiple tiers, from simple assemblies to a complete engineered solution for a project. Choose the Ruff-IN solution below that best fits your needs job-by-job, or drive toward a standard solution. Contact our team for guidance toward the solution that best fits your project.

1. Ruff-IN Made-to-Stock - standard assemblies

- Our most common and popular pre-fab assemblies
- Helps reduce material management costs and eliminate assembly for all your work
- Factory assembled and available for immediate shipment from stock



If you're building assemblies yourself, consider our pre-fab optimized components like Quick-Lok™ and BBT series brackets.

2. Ruff-IN Made-to-Order - configured assemblies

- Configured according to your specific project type and schedule, optimizing labor usage and maximizing installation speed
- Assembled from our extensive line of brackets, boxes, plaster rings, wiring devices, push-in connectors, cable leads, and other branch wiring accessories
- When you establish standard assemblies, your MTO assemblies become your standard, and we'll work with distributors to stock them for you



3. Ruff-IN Engineered-to-Order - fully engineered solutions

- Complete turnkey solution that begins with a free takeoff based on the construction documents. When a PO is awarded, a complete Revit model will be created to design the pre-fab solution.
- Revit model can be shared to help with trade coordination and serves as owner-as-built drawing once completed.
- Fully engineered to the project requirements using a 15+ year proven system, delivering a fast and consistent installation to optimize labor.
- Ideal for highly repetitive projects like apartments, dormitories and hotels.



Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

For more information, contact your local Crouse-Hinds series representative or visit Eaton.com/Ruff-IN.

1. Ruff-IN Made-to-Stock - standard assemblies



TP403PF



TP403G



TP404PF



TP404G



PFTWFA 4Q1075



PFTWFA 4Q10275



PFTWFA 4Q10AR58



PFTWFA 4Q102AR



PFTA4 4Q1075



PFTA4 4Q10275



PFTA4 4Q10AR58



PFTA4 4Q102AR

Catalog #	EAN/UPC code	Description
TP403PF	3078618900028	4" square X 2-1/8" D. box with ground pigtail
TP403G	3078618980403	4" square X 2-1/8" D. box with ground screw installed
TP404PF	3078618900027	4" square X 1-1/2" D. box with ground pigtail
TP404G	3066227901861	4" square X 1-1/2" D. box with ground screw installed
PFTWFA 4Q1075	3066227919215	BBT-WF + BBA - 14.5" - 25" telescoping open bracket w/ alignment plate + TP4Q10PF - 4" SQ. X 2-1/8" D. box with Quick-Lok connector and ground pigtail + TP486 - 3/4" raised single gang
PFTWFA 4Q10275	3066227919216	BBT-WF + BBA - 14.5" - 25" telescoping open bracket w/ alignment plate + TP4Q10PF - 4" SQ. X 2-1/8" D. box w/ Quick-Lok connector and ground pigtail + TP500 - 3/4" raised two gang
PFTWFA 4Q10AR58	3066227919217	BBT-WF + BBA - 14.5" - 25" telescoping open bracket w/ alignment plate + TP4Q10PF - 4" SQ. X 2-1/8" D. box w/ Quick-Lok connector and ground pigtail + ARM158 - adjustable depth single gang
PFTWFA 4Q102AR	3066227919218	BBT-WF + BBA - 14.5" - 25" telescoping open bracket w/ alignment plate + TP4Q10PF - 4" SQ. X 2-1/8" D. Box w/ Quick-Lok connector and ground pigtail + AMR2 - adjustable depth two gang
PFTA4 4Q1075	3066227918264	BBA-4 - double sided stud mount bracket w/ backside support + TP4Q10PF - 4" SQ. X 2-1/8" D. box w/ Quick-Lok connector and ground pigtail + TP486 - 3/4" raised single gang
PFTA4 4Q10275	3066227712612	BBA-4 - double sided stud mount bracket w/ backside support + TP4Q10PF - 4" SQ. X 2-1/8" D. box w/ Quick-Lok connector and ground pigtail + TP500 - 3/4" raised two gang
PFTA4 4Q10AR58	3066227919224	BBA-4 - double sided stud mount bracket w/ backside support + TP4Q10PF - 4" SQ. X 2-1/8" D. box w/ Quick-Lok connector and ground pigtail + ARM158 - adjustable depth single gang
PFTA4 4Q102AR	3066227918263	BBA-4 - double sided stud mount bracket w/ backside support + TP4Q10PF - 4" SQ. X 2-1/8" D. box w/ Quick-Lok connector and ground pigtail + AMR2 - adjustable depth two gang

Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

For more information, contact your local Crouse-Hinds series representative or visit Eaton.com/Ruff-IN.

2. Made-to-Order assemblies

Catalog numbering system for Ruff-IN assembly configurations



Part number example

PFTHFA-4Q10ARC20DTRW

PF THFA — 4Q10 AR C 20 D TR W

Series

PF	Ruff-IN

Bracket style

H3	BB423 single sided bracket for 2½" & 3½" studs
H6	BB46 single sided for 6" studs
TA	BBA alignment plate compatible with BBT-HF telescoping bracket, no backside support
TA4	BBA-4 double sided bracket compatible with BBT-HF telescoping bracket, with backside support for 2½" though 6" studs
THFA	BBT-HF hands-free telescoping open bracket for 14½" - 25" stud spacing with BBA box mount
TWFA	BBT-WF wide flange telescoping open bracket for 14½" - 25" stud spacing with BBA box mount
16T	BB2-16T (new) telescoping slider bracket for 16" stud spacing
24T	BB2-24T (new) telescoping slider bracket for 16" stud spacing
18FM	BBF18 floor mount bracket 18" on center
S	BB2TS box slider for BB2 bracket
C	BB2TSC box clip for BB2 bracket
3MM	BB816 3 hole multiple mount bracket for 24" stud spacing
4MM	BB824 4 hole multiple mount bracket for 24" stud spacing
16BO	BB716 open mount bracket for 16" stud spacing
24BO	BB724 open mount bracket for 24" stud spacing
BH24	BA50 T-bar (for 1 1/2 deep boxes)
X	No bracket included

Box style

4D	TP403 4 SQ 2 1/8" deep box ½" & ¾" KO
4S	TP404 4 SQ 1 1/2" deep box ½" & ¾" KO
432	TP432 4 SQ 2 1/8" deep box ¾" KO
4Q10	TP4Q10 Quick-Lok 4 SQ 2 1/8" deep box with (2) cable entries on top
4Q10M	TP4Q10M Quick-Lok 4 SQ 2 1/8" deep box with (2) cable entries on top and double sided bracket
5Q20	TP5Q20 Quick-Lok 4 11/16" SQ 2 1/8" deep box with (4) cable entries on top
436	TP436 4 SQ 2 1/8" deep box 1 KO
431	TP431 4 SQ 2 1/8" deep box ½ & ¾" KO with AC/MC clamps in each end
5D	TP525 4 11/16" welded 2 1/8" deep box ½" & ¾" KO
560	TP560 4 11/16" drawn 2 1/8 deep box 1" KO
562	TP562 4 11/16" drawn 2 1/8 deep box 1¼" KO
278	TP278 4" 1½" deep octagon box ½" & ¾" KO
292	TP292 4" 2 1/8" deep octagon box ½" & ¾" KO

Box ground wire

BLANK	Solid
A	Stranded
N	None

Mud ring depth and gang

50	TP484 ½" raised 1 gang
58	TP489 5/8" raised 1 gang
75	TP486 ¾" raised 1 gang
100	TP488 1" raised 1 gang
125	TP490 1¼" raised 1 gang
250	TP498 ½" raised 2 gang
258	TP499 5/8" raised 2 gang
275	TP500 ¾" raised 2 gang
2100	TP502 1" raised 2 gang
2125	TP501 1¼" raised 2 gang
AR	AMR1 adj ¾" to 1-½" raised, 1 gang
AR58	AMR158 adj 5/8" to 1-¼" raised, 1 gang
2AR	AMR2 adj 5/8" to 1-½" raised, 2 gang
3AR	AMR3 adj ¾" to 1-½" raised, 3 gang

If no device is required, catalog number is complete after mud ring step. Catalog number reflects 4" mud rings. For 4-11/16" mud rings, see Eaton.com.

Device style

BLANK	Standard
D	Decora

Device amperage

15	15A
20	20A

Device type

D	Duplex receptacle
U	Duplex receptacle/ USB
SP	Single pole
G	GFCI
3W	Three way switch

Tamper resistant

BLANK	Non-tamper resistant
TR	Tamper resistant

Device color

V	Ivory
W	White
R	Red
LA	Light almond

Receptacle ground orientation

BLANK	Up
DN	Down

Device grade

BLANK	No device
C	Commercial
S	Specification
I	Industrial
H	Hospital

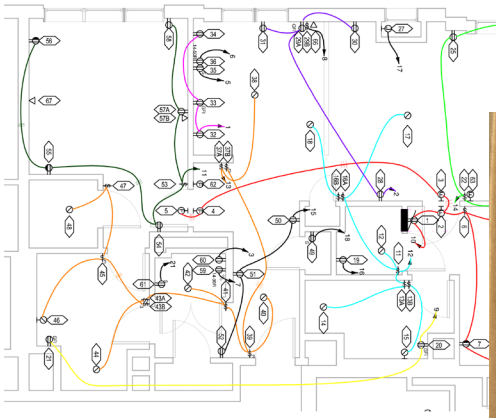
*Duplicate per device.

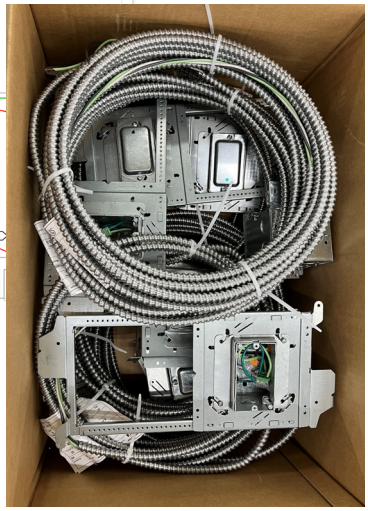
†Position 2 and 3 are only added for multi-mount or open mount assemblies. Insert a space, replace "X" and repeats steps 3-11 for additional boxes on assembly. If 1st or 2nd positions are blank, then insert "X" and use steps 3-11 in position where box is required.

3. Ruff-IN Engineered-to-Order solutions

How you save with Ruff-IN fully engineered solutions

- Eliminate time-consuming job site “engineering”
- Eliminate spot buying and excessive material handling
- Eliminate job site material “piles” and wasted time searching for pieces and parts
- Reduce material overages and scrap, including expensive wire and cable
- Speed installations and improve project savings







8 Minutes

Estimated time saved per assembly by rough-in crews on a typical hotel over traditional “stick-build” wiring methods

Interested in using Ruff-IN assemblies on your next project? Use the QR code to contact our experts.

Contact us about RUFF-IN pre-fabricated solutions

Questions about RUFF-IN? Interested in using RUFF-IN assemblies on your next project?

Submit the form below and one of our pre-fab experts will connect with you shortly.

Meet our experts >





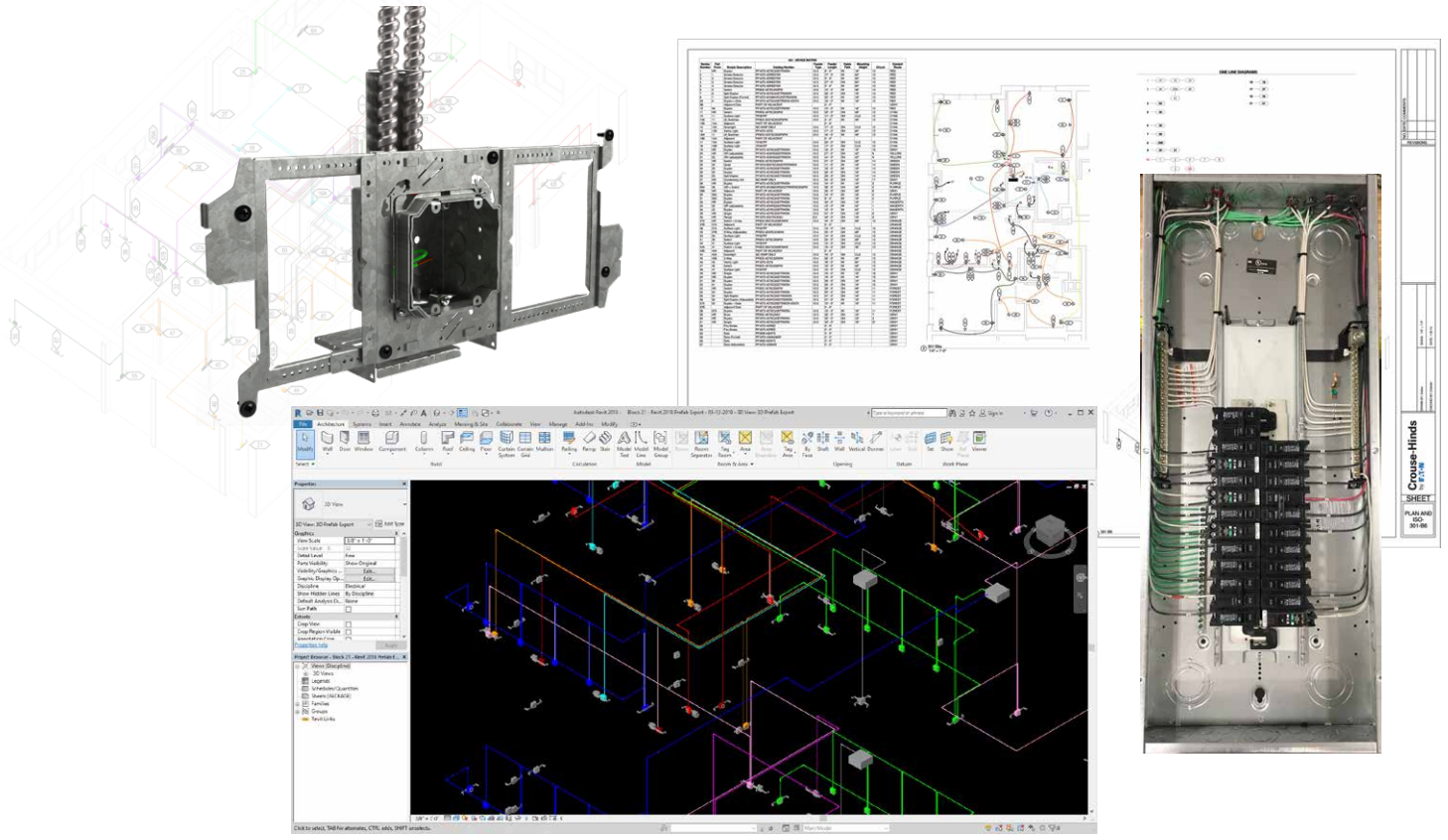
Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

3. Ruff-IN Engineered-to-Order solutions

Engineered-to-Order solutions are used in commercial buildings such as hotels, condominiums, dormitories, retail offices, hospitals and apartments, where the **architectural design is typically repeated from room to room**.

Our experienced engineering team will work with you to plan and design the exact requirements for your next big project. We'll provide:

- **Dedicated project management**, local sales and distribution support
- **Expert recommendations** on the products and assemblies that best fit your project and align to your preferred installation methods
- **Digital integration** – We can incorporate our design data right into your software plans, further streamlining material management and job complexity
- Assemblies include **custom labels** and are **kitted, and shipped with detailed drawings** to simplify handling and speed installations



Experience and agility to manage change

We understand that **unexpected change** occurs on large commercial projects – changes that can come at you fast and are beyond your control. Whatever the obstacle, we'll work with you to make the necessary modifications for future assemblies and keep your project on track and on time.

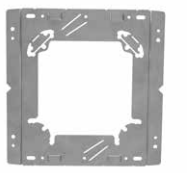


Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

Box mounting brackets

The BBA box mounting bracket and the BBA-4 box mounting bracket with support flange snap easily onto the BBT-HF telescoping bracket.

UPC/Part number	Catalog #	Description	Stud depth	Box Qty.
79903882321	**BBA**	Box mounting bracket	—	25
79903882767	**BBA-2**	Box mounting bracket with back side support	2½"	25
79903882320	**BBA-4**	Box mounting bracket with back side support	2½" - 6"	25
79903885084	**BBA-MG**	Box mounting bracket for multi-gang and 4 11/16" boxes	2½" - 3 5/8"	25


BBA front


BBA back


BBA-2 side


BBA-4 front


BBA-4 back


BBA-MG

Features

- Marty Mouse™ ears to retain the box when plaster ring is removed
- Rabbit Ears™ to attach a plaster ring for data devices without using a box
- Accepts 4", 4 11/16" and 5" square box sizes
- Built-in, snap off back support extension for studs from 2.5" to 6" studs
- No need to measure additional box heights – features interlocking brackets to easily and quickly mount boxes side-by-side
- Faster daisy chain boxes; two brackets mount to the same side of the stud
- Works with standard or adjustable mud rings and Rapid Ring self-adjusting pre-fab ring
- Use with BBT-HF or directly to stud
- UL Listed for U.S. and Canada; CSA certified

Patent pending (all parts)

Advantage of B-Line series brackets

No need to measure box heights with interlocking brackets

Mounting boxes side-by-side has never been easier.

- Designed to mount two boxes at exactly the same height on either side of the stud.

One SKU mounts multiple box sizes - fewer parts to handle on the job-site

Built-in back support accessory for job-site flexibility.

- Bracket accepts 4", 4 11/16", and 5" boxes.
- Bracket extender easily snaps off of the bracket to snap into place as a back support for up to 6" stud depths.

No box needed for DataComm accessories

Innovative rabbit ears make it possible.

- Rabbit Ears and mud ring allow data communication devices, such as card readers, to be attached to the bracket without the use of a box.

Faster daisy chain boxes

Faster installs with B-Line series solutions.

- Two brackets mount to the same side of a stud at the same height.

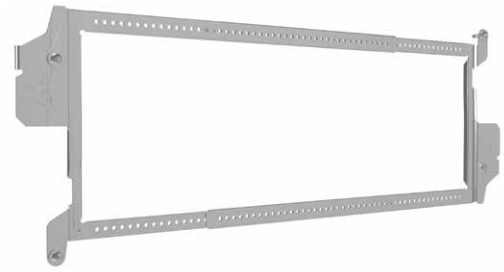
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Eaton.com/BBT-HF

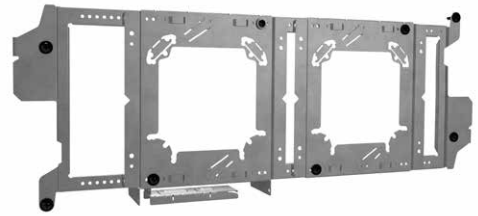
Hands-free telescoping brackets

With an auto-height adjustment, the rigid BBT-HF telescoping bracket is quick and easy to install. Simply slide the bracket to the width required, snap both ends of the bracket to the stud and secure with screws.

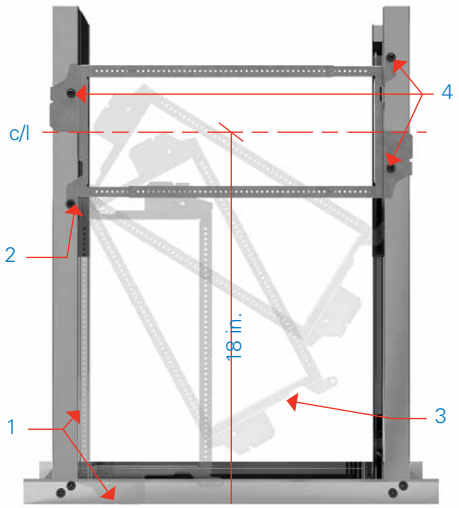
- Easily adjust to accommodate stud widths of 14½" through 25"; a secure fit at all stud spacings
- Bracket includes an auto-height adjustment feature
- Self-leveling when snapped onto stud; no need for additional leveling tools
- Easy to identify center line on both sides of the bracket
- Snap on feature works on 1¼" through 1 3/8" inch width studs
- For studs wider than 1 3/8" utilize the BBT-WF
- Designed to mount boxes at the exact height on either side of the stud without overlap of adjacent brackets
- Continuous hole pattern allows for positioning of the box mounting bracket anywhere along the length of the bracket



BBT-HF



Telescoping bracket with BBA-4 and BBA added

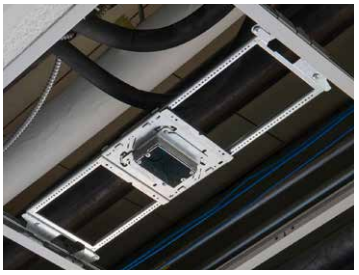


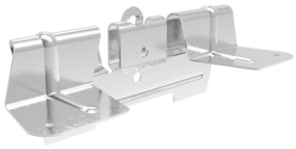
1. With bracket fully collapsed, align next to stud with right side at the floor.
2. Install sheet metal screw into pivot point.
3. Rotate bracket around the installed screw at the pivot point.
4. Expand bracket, snap to stud and affix with screws. Center line will be 18" AFF.

UPC/Part number	Catalog #	Description	Stud spacing	Box Qty.
79903882319	**BBT-HF**	Telescoping box bracket	14½" - 25"	25
79903882766	**BBT-WF**	Telescoping box bracket for wide flange studs	14½" - 25"	25
79903885068	**BBT-16**	Telescoping box bracket	9¼" - 16½"	25

Ceiling clips for BBT brackets

- Installs onto BBT-WF with two screws for installation into T-Grid ceilings
- Box attached with BBA or BBA-4 alignment bracket
- Wide support prevents bracket from rocking, and rigidity of BBT-WF reduces pressure on the ceiling tile
- Sheet metal screw location and loop hole for support drop wire aids compliance with NEC 314.23 (D)
- Install fire alarm boxes, nurse call, lighting controls, etc. into the ceiling grid using the same brackets installed in the wall, reducing overall SKU count
- Install multiple boxes into the same ceiling tile
- Static load capacity 50lbs.
- Available for field or prefab shop assembly, or preassembled on a BBT-WF bracket with box and cover preinstalled





The combination of the BBT-WF and BBT-TG bracket is not listed to support a luminaire.

UPC/part number	Catalog #	Description	Box qty.
79903885065	**BBT-TG**	Ceiling clips for BBT brackets	100

Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

Telescoping brackets

- Completely adjustable, fits a range of stud spacing
- Mounts 1½", 2⅛", 2½", and 2¹³⁄₁₆" deep boxes
- Increased rigidity through center groove design
- Only two screws required to mount 1½" and 2⅛" box depths
- Pre-punched screw holes provide for easy box installation
- Bar is marked with a scale for stud spacing
- Finish: pre-galvanized



BB2-16T



BB2-24TS



BB2-24T

UPC/part number	Catalog #	Stud spacing	Box qty.
79903863001	**BB2-16T**	11" to 18"	50
79903863002	**BB2-24T**	15½" to 26"	50
78205138614	**BB2-16TS**	11" to 18"	20
78205138628	**BB2-24TS**	15" to 26"	20

Patent pending

Box mounting clip

- Allows for pre-fabrication of the electrical box prior to installing the box onto the bracket
- Tool-less, simply installs by snapping onto the bracket and requires no hardware to secure





Shown mounted on box

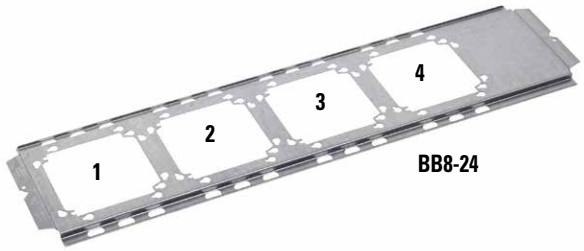
UPC/part number	Catalog #	Description	Box qty.
79903863003	**BB2TSC**	Box mounting	100

Patent pending

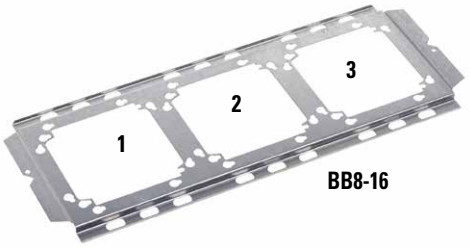
Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

Multiple box mounting brackets

- Increased strength and rigidity help withstand the stress of drywall installation
- Supports most US & Canadian boxes and plaster rings 4" square and 4 11/16" square
- Compatible with adjustable mud rings (see page 23)
- Available factory assembled as part of the Ruff-IN pre-fab line with box(es), mud ring(s), and ground wire(s)
- Finish: pre-galvanized
- Patent pending



BB8-24



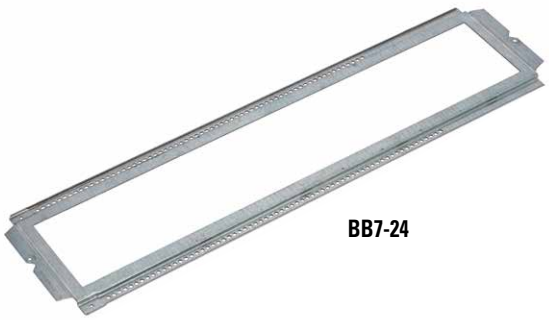
BB8-16

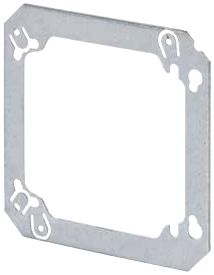
UPC/part number	Catalog #	Stud size	Box qty.
78101102898	**BB8-16**	16"	25
78101102900	**BB8-24**	24"	25

Open box mounting brackets

- Open box support allows for adjustability of box position between studs
- Supports most U.S. and Canadian boxes and/or plaster rings 4" square, 4 11/16" square, 5" square, and multi-gang boxes
- Fits up to 1½" wide studs 16" to 24" on center
- Compatible with adjustable mud rings (see page 23)
- Field cut to adjust to non-standard stud spacings
- Stamped markings at ¼", ½", and 1" increments to allow the installer to easily locate the desired box position
- Available factory assembled as part of the Ruff-IN pre-fab line with box(es), mud ring(s), and ground wire(s)
- BB7AP alignment plate centers and secures box to the bracket, allows for easy adjustment of box location
- Finish: pre-galvanized
- Patent pending


BB7-16


BB7-24


BB7AP

UPC/part number	Catalog #	Stud size	Box qty.
78101145325	**BB7-16**	16"	25
78101145328	**BB7-24**	24"	25
79903859494	**BB7AP**	—	100

Read safety/installation instruction sheets in packages before use.
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Floor stand box supports

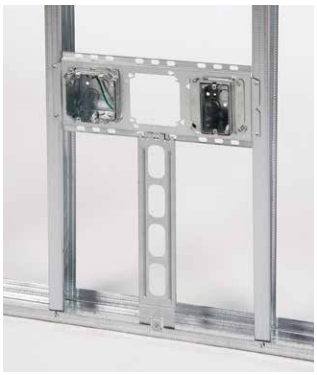
- BBFS-18 floor stand ensures consistent box height and eliminates need to measure for proper install height
- Can be used with BB7 and BB8 brackets
- Finish: pre-galvanized

UPC/part number	Catalog #	Description	Box qty.
79903851597	**BBFS-18**	Floor stand	25



BBFS-18



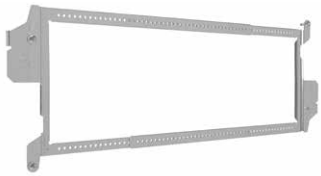


BBFS-18 Installed (can be used with BB7 or BB8 brackets)

Productivity and part reduction opportunity!

Try the auto height on the BBT-HF instead of floor stands - less parts.

See page 16 for more details.



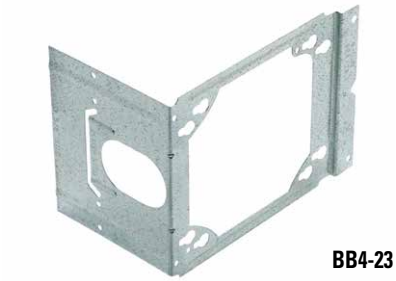


Single sided box support brackets

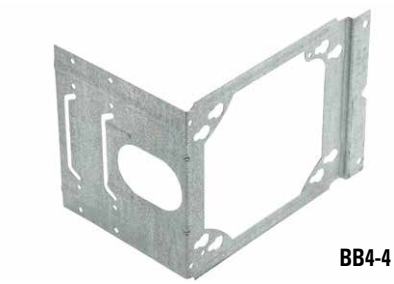
- Improved far-side support prevents box movement in wall cavity
- Adjustable far-side supports designed to help reduce labor
- Brackets may be piggy-backed in series
- Not recommended for pre-installed wiring devices. See BB70 (page 20) for an improved pre-fab assembly solution

c UL us

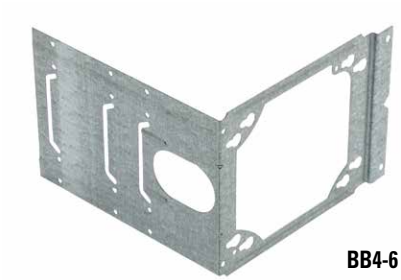
UPC/part number	Catalog #	Stud size	Box qty.
78101118190	**BB4-23**	3½" & 2½"	100
78101118200	**BB4-4**	4", 3½" & 2½"	100
78101118202	**BB4-6**	6", 5½", 3½", 2½"	100



BB4-23



BB4-4



BB4-6

Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

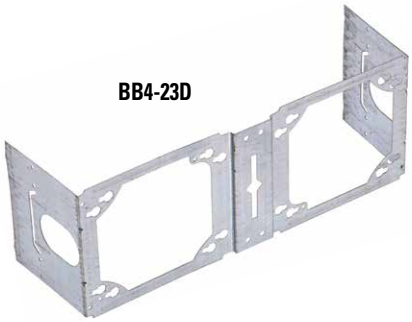
Two gang double sided support brackets

- Improved far-side support prevents box movement in wall cavity
- Adjustable far-side supports designed to help reduce labor
- Ruff-IN assemblies available with box, plaster ring and ground wire

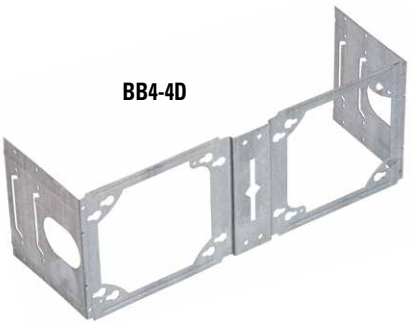


UPC/part number	Catalog #	Stud size	Box qty.
79903848375	**BB4-23D**	3½" & 2½"	50
79903848376	**BB4-4D**	4", 3½" & 2½"	50
79903848377	**BB4-6D**	6", 5½", 3½", 2½"	50

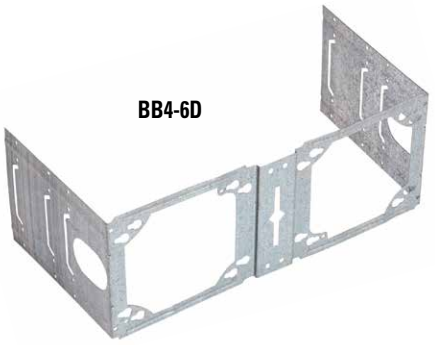
BB4-23D



BB4-4D



BB4-6D



Box support brackets

- Interlocking wrap-around design provides extra rigidity
- Compatible with adjustable plaster rings (see page 23)
- Adjustable for varying stud depths (2½" to 6"); simply bend bracket for 2½", 3½" and 4" depths
- For 5½" depth, snap the BB70E into the next notch on the bracket side
- Integral mounting tabs for attaching plaster rings
- Multiple brackets may be ganged together
- Available factory assembled as part of the Ruff-IN pre-fab line with box, mud ring, and ground wire
- Finish: Pre-galvanized

UPC/part number	Catalog #	Stud size	Box qty.
79903856399	**BB70**	2½" - 4"	50
79903856400	**BB70***	5½" - 6"	50

*BB70E (Sold separately, must be used with BB70)





BB70



Can be used with BBFS-18 (floor stand); See page 19.

Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

Floor mount box supports

- BBF floor stand provides the most rigid support in the industry
- Far-side support accommodates 6", 5½", 3⅝", and 2½" stud depths
- Fold-out tab built-in to attach floor stand to stud if desired
- Integral "wings" provide rigid support when floor stand is mounted between studs
- Optional cable containment clip securely attaches to floor stand without hardware
- Patented Marty Mouse ears enable boxes to be secured with or without the plaster rings
- Finish: pre-galvanized

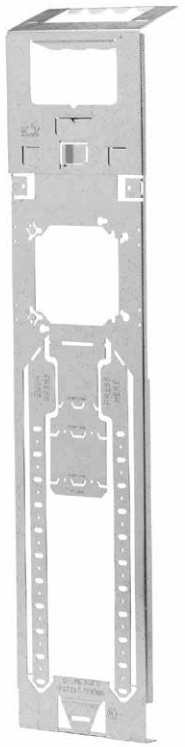
UPC/part number	Catalog #	Stud size	Box qty.
78205152944	**BBF15**	15" Floor stand	25
78205152945	**BBF18**	18" Floor stand	25
78205152946	**BBF24**	24" Floor stand	25
78205152947	**BBFC**	Cable containment clip	25
78205152948	**BBF15C**	15" Floor stand with cable containment clip	25
78205152949	**BBF18C**	18" Floor stand with cable containment clip	25
78205152950	**BBF24C**	24" Floor stand with cable containment clip	25



BBFC



BBF24



BBFxxC

Floor mounted box support

- Provides support for electrical box from floor track or concrete forms
- 18" length with break-away feature for 12" or 16" box mounting
- Finish: pre-galvanized

UPC/part number	Catalog #	Description	Box qty.
78101103623	**BB-18**	Floor mounted box support	50



BB-18



BBF15

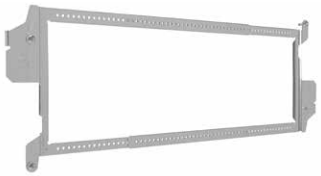


BBF18

Productivity and part reduction opportunity!

Try the auto-height on the BBT-HF instead of floor stands - less parts.

See page 16 for more details.





Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

Ceiling hangers

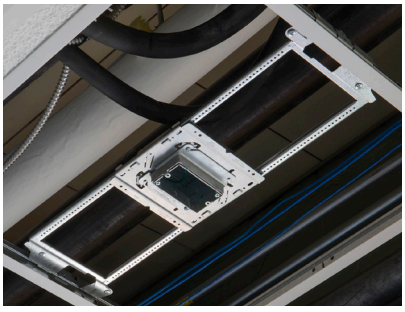
- Supports octagonal or square boxes on 24" span
- Allows for flush mounting or 3/4" offset for plaster ring
- Includes BB27 box mounting clip with screw
- Load capacity: 20 lbs.
- For additional support, attach dropwire to BB27 box mounting clip
- Finish: pre-galvanized

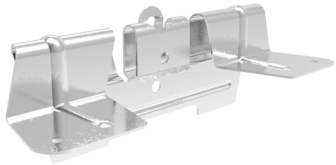


UPC/part number	Catalog Number	Description	Box qty.
78101118080	**BA12**	Box hanger	50

Ceiling clips for BBT brackets

- Installs onto BBT-WF with two screws for installation into T-Grid ceilings
- Box attached with BBA or BBA-4 alignment bracket
- Wide support prevents bracket from rocking, and rigidity of BBT-WF reduces pressure on the ceiling tile
- Sheet metal screw location and loop hole for support drop wire aids compliance with NEC 314.23 (D)
- Install fire alarm boxes, nurse call, lighting controls, etc. into the ceiling grid using the same brackets installed in the wall, reducing overall SKU count
- Install multiple boxes into the same ceiling tile
- Static load capacity 50lbs.
- Available for field or prefab shop assembly, or preassembled on a BBT-WF bracket with box and cover preinstalled





The combination of the BBT-WF and BBT-TG bracket is not listed to support a luminaire.

UPC/part number	Catalog Number	Description	Box qty.
79903885065	**BBT-TG**	Ceiling clips for BBT brackets	100

Heavy duty box hanger

- Supports octagonal or square boxes on 24" span
- Bendable ends mount 1½" or 2⅛" deep boxes without tools
- Self-centering feature positions box on center
- Includes BA50C4T box mounting clip
- Ultimate static load capacity: 50 lbs. (without dedicated dropwire)
- Static load capacity: 70 lbs. (with dedicated dropwire) 35 lbs. Canada
- Finish: pre-galvanized







UPC/part number	Catalog Number	Description	Box qty.
78101196490	**BA50**	Box hanger	25
78101196491	**BA50D**	Box hanger for box with 1½" extension	25
78205118460	**BA50A**	Adjustable box hanger for T-bar	10

Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

Adjustable mud rings

- Adjustable mud ring can be used with 4" square, 2⅛" deep boxes and fits a range of drywall thicknesses
- Mud ring can be adjusted after sheet rock, mud, or tile is installed without removing the wiring devices
- Helps reduce labor and requirements for multiple products of varying wall thicknesses

AMR158



AMR2



AMR3



UPC/part number	Catalog #	Description	Depth	Box qty.
11842340	**AMR158**	One device adjustable ring	⅝" - 1¼"	50
11838358	**AMR1**	One device adjustable ring	¾" - 1½"	50
11838370	**AMR2**	Two device adjustable ring	⅝" - 1½"	50
11842341	**AMR3**	Three device adjustable ring	¾" - 1½"	50
12164083	**AMR0**	Round device adjustable ring	¾" - 1½"	50

AMR0



Metal protector plates

- Protects box contents from drywall mud, paint and debris
- Protector plates provided with all wiring device assemblies
- Can be installed on plaster rings with or without pre-installed wiring devices
- Helps protect pre-installed wiring devices from damage during drywall installation
- Design transmits force of drywall installation to the plaster ring - not the wiring device
- Domed plate for toggle switches allows for clearance between the plate and switch, and helps eliminate scratching of the devices
- Two protector plates are required for two device plaster rings

BPS1



BPS2



BPR1



UPC/part number	Catalog #	Devices	Plaster ring style	Box qty.
78205149197	**BPR1**	Receptacles, GFCI, decorator, none	One device	50
78205138937	**BPS1**	Toggle switches	One device	50
78205149199	**BPR2**	Receptacles, GFCI, decorator, none	Two device	50
78205138938	**BPS2**	Toggle switches	Two device	25

BPR2



Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

Concrete box clamp

- Secures electrical boxes in concrete block
- Quickly installs with no tools required
- Works for single or double gang boxes
- Completely re-usable
- Able to be used with flush mount rings or penetrating rings when block wall will be covered



UPC/part number	Catalog #	Description	Box qty.
79903863423	**BB-4SCBC**	Concrete box clamp	25





Cable support

- Can be push mounted to stud for positioning
- Stiffening ribs and more material for rigid design
- Zip tie locking tab allows trouble-free securing of cables
- Attaches to stud using only one screw
- Allows cables to be positioned a minimum of 1¼" from face of stud as required by NEC Article 300.4(D)

c UL us LISTED



UPC/part number	Catalog #	Description	Box qty.
79903843761	**BRC6M**	Cable support	100

Note: Canadian applications are limited to wood studs only.

Cable type	Size	Cable capacity
Non-Metallic cable (NM)	14/2, 14/3, 12/2, 12/3, 10/2, 10/3, 8/2 with ground	8
	8/3, 6/2 with ground	6
Metal Clad cable (MC)	14/2, 14/3, 14/4, 12/2, 12/3, 12/4, 10/2 with ground	6
	10/3, 10/4 with ground	5
Armored Cable (AC)	14/2, 14/3, 14/4, 12/2, 12/3, 12/4, 10/2 with ground	6
	10/3, 10/4 with ground	5
Flexible Cable (BX)	5/16"	6
	3/8"	5



Push support onto stud



Support stays mounted to stud while securely attached with one screw



Insert cables to be secured



Once cables are inserted, wrap zip-tie around the end of the support to secure the cables

Read safety/installation instruction sheets in packages before use.
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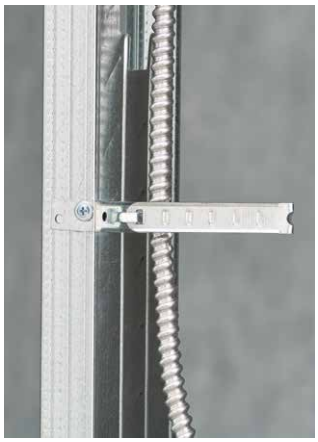
Cable support

- For use on wood or metal stud
- Allows cables to be positioned a minimum of 1¼" from face of stud as required by NEC Article 300.4(D)

UPC/part number	Catalog #	Description	Box qty.
79903862843	**BRCJ**	Cable support	100



Surface	Cable type	Size	Cable capacity
Wood	Non-Metallic cable (NM)	14/2, 14/3, 12/2, 12/3, 10/2, 10/3, with ground	Max 6
		8/2, 6/2 with ground	Max 4
Metal stud	Metal Clad cable (MC)	14/2, 14/3, 14/4, 12/2, 12/3, 12/4, 10/2, 10/3, 10/4 with ground	Max 4
Furring strip & hat channel	Armored Cable (AC)	14/3, 14/4, 12/2, 12/3, 12/4, 10/2, 10/3, 10/4 with ground	Max 4
Furring strip & hat channel	Flexible Cable (BX)	5⁄16" & 3⁄8"	Max 4
Metal stud (Canada only)	Non-Metallic sheathed cable	14/2, 14/3, 12/2, 12/3, 10/2, 10/3, with ground	Max 4



Notes: Read safety/installation instruction sheet in packages before use.

Read safety/installation instruction sheets in packages before use.
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Ruff-IN Prefabricated Solutions

Catalog numbering system for Ruff-IN assembly configurations



Part number example

PFTHFA-4Q10ARC20DTRW

PF THFA — 4Q10 AR C 20 D TR W

Series

PF	Ruff-IN

Bracket style

H3	BB423 single sided bracket for 2½" & 3½" studs
H6	BB46 single sided for 6" studs
TA	BBA alignment plate compatible with BBT-HF telescoping bracket, no backside support
TA4	BBA-4 double sided bracket compatible with BBT-HF telescoping bracket, with backside support for 2½" though 6" studs
THFA	BBT-HF hands-free telescoping open bracket for 14½" - 25" stud spacing with BBA box mount
TWFA	BBT-WF wide flange telescoping open bracket for 14½" - 25" stud spacing with BBA box mount
16T	BB2-16T (new) telescoping slider bracket for 16" stud spacing
24T	BB2-24T (new) telescoping slider bracket for 16" stud spacing
18FM	BBF18 floor mount bracket 18" on center
S	BB2TS box slider for BB2 bracket
C	BB2TSC box clip for BB2 bracket
3MM	BB816 3 hole multiple mount bracket for 24" stud spacing
4MM	BB824 4 hole multiple mount bracket for 24" stud spacing
16BO	BB716 open mount bracket for 16" stud spacing
24BO	BB724 open mount bracket for 24" stud spacing
BH24	BA50 T-bar (for 1 1/2 deep boxes)
X	No bracket included

Box style

4D	TP403 4 SQ 2 1/8" deep box ½" & ¾" KO
4S	TP404 4 SQ 1 1/2" deep box ½" & ¾" KO
432	TP432 4 SQ 2 1/8" deep box ¾" KO
4Q10	TP4Q10 Quick-Lok 4 SQ 2 1/8" deep box with (2) cable entries on top
4Q10M	TP4Q10M Quick-Lok 4 SQ 2 1/8" deep box with (2) cable entries on top and double sided bracket
5Q20	TP5Q20 Quick-Lok 4 11/16" SQ 2 1/8" deep box with (4) cable entries on top
436	TP436 4 SQ 2 1/8" deep box 1 KO
431	TP431 4 SQ 2 1/8" deep box ½ & ¾" KO with AC/MC clamps in each end
5D	TP525 4 11/16" welded 2 1/8" deep box ½" & ¾" KO
560	TP560 4 11/16" drawn 2 1/8 deep box 1" KO
562	TP562 4 11/16" drawn 2 1/8 deep box 1¼" KO
278	TP278 4" 1½" deep octagon box ½" & ¾" KO
292	TP292 4" 2 1/8" deep octagon box ½" & ¾" KO

Box ground wire

BLANK	Solid
A	Stranded
N	None

Mud ring depth and gang

50	TP484 ½" raised 1 gang
58	TP489 5/8" raised 1 gang
75	TP486 ¾" raised 1 gang
100	TP488 1" raised 1 gang
125	TP490 1¼" raised 1 gang
250	TP498 ½" raised 2 gang
258	TP499 5/8" raised 2 gang
275	TP500 ¾" raised 2 gang
2100	TP502 1" raised 2 gang
2125	TP501 1¼" raised 2 gang
AR	AMR1 adj ¾" to 1-½" raised, 1 gang
AR58	AMR158 adj 5/8" to 1-¼" raised, 1 gang
2AR	AMR2 adj 5/8" to 1-½" raised, 2 gang
3AR	AMR3 adj ¾" to 1-½" raised, 3 gang

If no device is required, catalog number is complete after mud ring step.

Catalog number reflects 4" mud rings. For 4-11/16" mud rings, see page 31.

Device style

BLANK	Standard
D	Decora

Device amperage

15	15A
20	20A

Device type

D	Duplex receptacle
U	Duplex receptacle/ USB
SP	Single pole
G	GFCI
3W	Three way switch

Device grade

BLANK	No device
C	Commercial
S	Specification
I	Industrial
H	Hospital

Tamper resistant

BLANK	Non-tamper resistant
TR	Tamper resistant

Device color

V	Ivory
W	White
R	Red
LA	Light almond

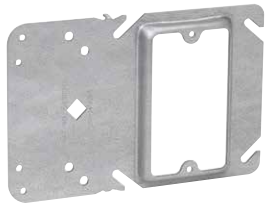
Receptacle ground orientation

BLANK	Up
DN	Down

*Duplicate per device.

†Position 2 and 3 are only added for multi-mount or open mount assemblies. Insert a space, replace "X" and repeats steps 3-11 for additional boxes on assembly. If 1st or 2nd positions are blank, then insert "X" and use steps 3-11 in position where box is required.

Catalog numbering system for Uni-Mount™ assemblies with wiring devices





Part number example
TP31-4DC20DV

TP 31 — 4D C 20 D V*

Series

TP	Uni-Mount

Uni-Mount style

30	TP30000 1G ½" raised Uni-Mount cover
31	TP31000 1G 5/8" raised Uni-Mount cover
32	TP32000 1G ¾" raised Uni-Mount cover
35	TP35000 2G ½" raised Uni-Mount cover
36	TP36000 2G 5/8" raised Uni-Mount cover
37	TP35000 2G ¾" raised Uni-Mount cover

Box style

4D	TP403 4 SQ 2 1/8" deep box ½" & ¾" KO
4S	TP404 4 SQ 1 1/2" deep box ½" & ¾" KO
432	TP432 4 SQ 2 1/8" deep box ¾" KO
4Q10	4 SQ 2 1/8" deep box with (2) cable entries on top
4Q10M	4 SQ 2 1/8" deep box with (2) cable entries on top and double sided bracket
436	TP436 4 SQ 2 1/8" deep box 1" KO
431	TP431 4 SQ 2 1/8" deep box ½" & ¾" KO with AC/MC clamps in each end
454	TP454 4 SQ 1 1/2" deep box ½" & ¾" KO with AC/MC clamps in each end

Box ground wire

BLANK	Solid
A	Stranded
N	None

Device grade

C	Commercial
S	Specification
I	Industrial
H	Hospital

Device style

BLANK	Blank
D	Decora

Device amperage

15	15A
20	20A

Device type

D	Duplex receptacle
U	Duplex receptacle/USB
SP	Single pole
G	GFCI
3W	Three way switch

Tamper resistant

BLANK	Non-tamper resistant
DN	Tamper resistant

Device color

V	Ivory
W	White
R	Red
LA	Light almond

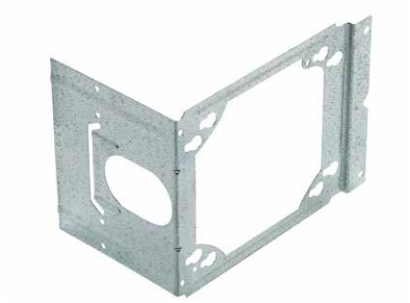
Receptacle ground orientation

BLANK	Up
DN	Down

*Duplicate per device.

Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

Listing key:



Designation for Ruff-IN assembly part number

Component catalog number

H3 - BB423

Brackets

H3 - BB423



3DS - BB73



16TS - BB216TS



24BO - BB724



H4 - BB44



4DS - BB74



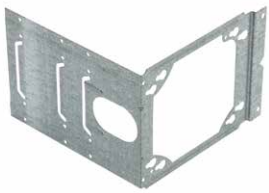
24TS - BB224TS



BH24 - BA50



H6 - BB46



6DS - BB76



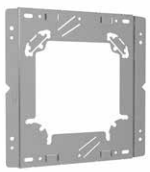
3MM - BB816



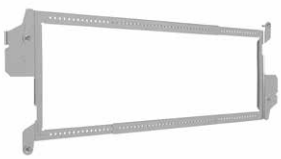
30 - TP3000



TA - BBA



THFA - BBT-HF



4MM - BB824



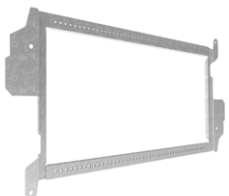
18FM - BBF18



TA4 - BBA-4



TWFA - BBT-WF



16BO - BB716



Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

Listing key:



Designation for Ruff-IN assembly part number

Component catalog number

4Q10 - TP4Q10PF

Boxes

4D - TP403



4Q10M - TP4Q10MPF



5D - TP525



278 - TP278



4S - TP404



5Q20 - TP5Q20



560 - TP560



292 - TP292



432 - TP432



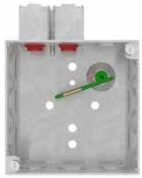
436 - TP436



562 - TP562



4Q10 - TP4Q10PF



431 - TP431



Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

Listing key:

Designation for Ruff-IN assembly part number



Component catalog number

AR - AMR1

Mud rings - 4" boxes

50 - TP484



125 - TP490



2100 - TP502



AR - AMR1



58 - TP489



250 - TP498



2125 - TP501



AR - AMR158



75 - TP486



258 - TP499



2AR - AR2



100 - TP488



275 - TP500



Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

Listing key:



Designation for Ruff-IN assembly part number

Component catalog number

50 - TP574

Mud rings - 4 11/16" boxes

50 - TP574



125 - TP582



275 - TP586



AR - AMR51



58 - TP576



250 - TP583



2100 - TP589



2AR - AMR52



75 - TP579



258 - TP587



2125 - TP593



100 - TP578



Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

Ruff-IN Prefabricated Solutions

Notes