

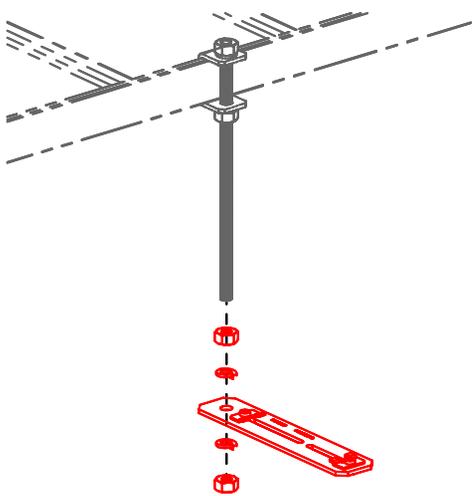
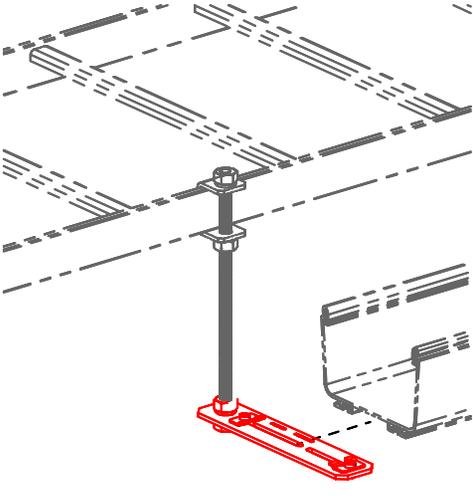
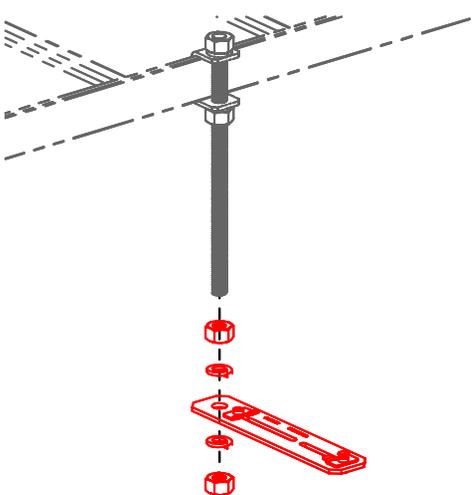
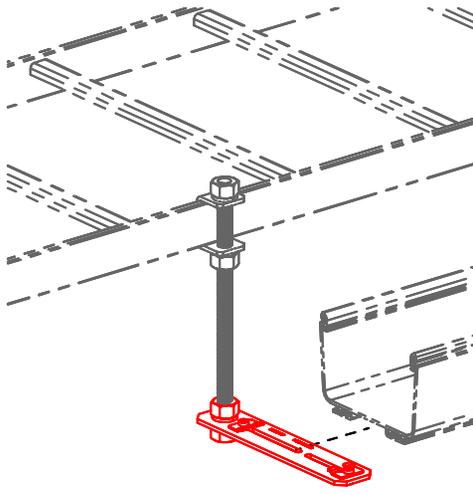
PANDUIT CORP[®]

FIBERRUNNER[®] SYSTEM & FIBER-DUCT[™] SYSTEM BRACKET GUIDE

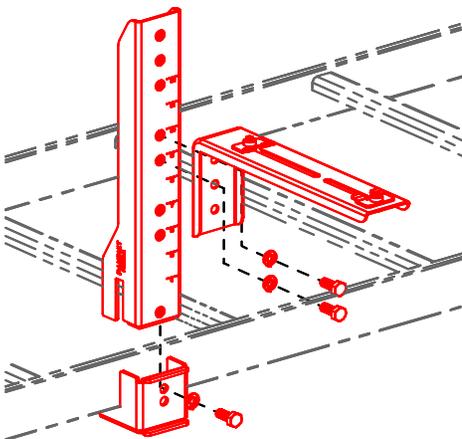
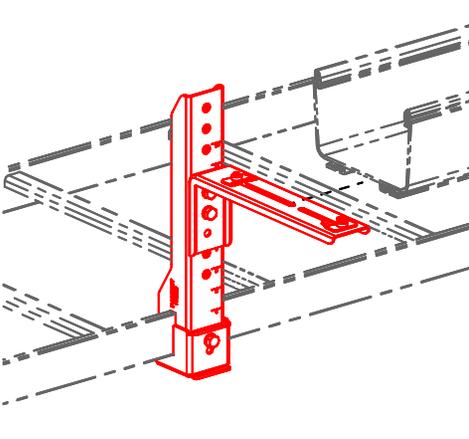
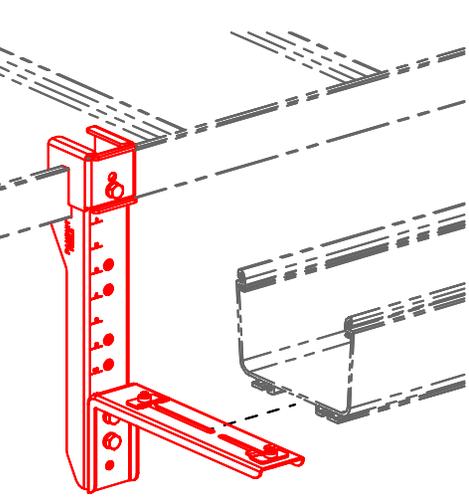
4x4 & 6x4 FIBERRUNNER[®] BRACKETS

PANDUIT PART NO. / BRACKET NAME	BRACKET COMPONENTS	BRACKET APPLICATION	USE THIS BRACKET WHEN:
<p style="text-align: center;">FR6TRBE12 <i>Existing Threaded Rod QUIKLOCK[™] Bracket</i></p> <hr style="border-top: 1px dashed black;"/> <p style="text-align: center;">FR6TRBE12M <i>Existing Threaded Rod QUIKLOCK[™] Bracket</i></p>			<ul style="list-style-type: none"> * You wish to install 4x4 or 6x4 FIBERRUNNER[®] channel using 1/2" threaded rod which is part of an <u>existing</u> installation. * You wish to run 4x4 or 6x4 FIBERRUNNER[®] channel off to the side of threaded rod. <hr style="border-top: 1px dashed black;"/> <ul style="list-style-type: none"> * You wish to install 4x4 or 6x4 FIBERRUNNER[®] channel using 12mm threaded rod which is part of an <u>existing</u> installation. * You wish to run 4x4 or 6x4 FIBERRUNNER[®] channel off to the side of threaded rod.
<p style="text-align: center;">FR6TRBE58 <i>Existing Threaded Rod QUIKLOCK[™] Bracket</i></p> <hr style="border-top: 1px dashed black;"/> <p style="text-align: center;">FR6TRBE58M <i>Existing Threaded Rod QUIKLOCK[™] Bracket</i></p>			<ul style="list-style-type: none"> * You wish to install 4x4 or 6x4 FIBERRUNNER[®] channel using 5/8" threaded rod which is part of an <u>existing</u> installation. * You wish to run 4x4 or 6x4 FIBERRUNNER[®] channel off to the side of threaded rod. <hr style="border-top: 1px dashed black;"/> <ul style="list-style-type: none"> * You wish to install 4x4 or 6x4 FIBERRUNNER[®] channel using 16mm threaded rod which is part of an <u>existing</u> installation. * You wish to run 4x4 or 6x4 FIBERRUNNER[®] channel off to the side of threaded rod.

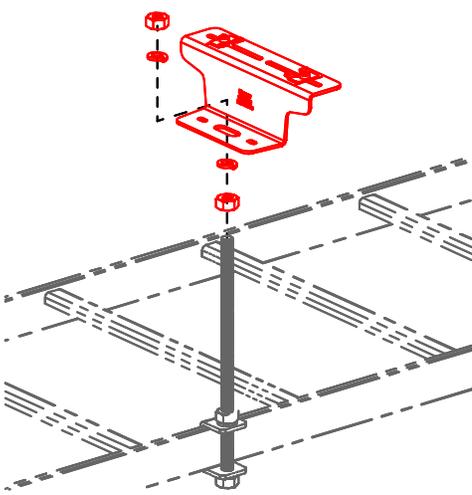
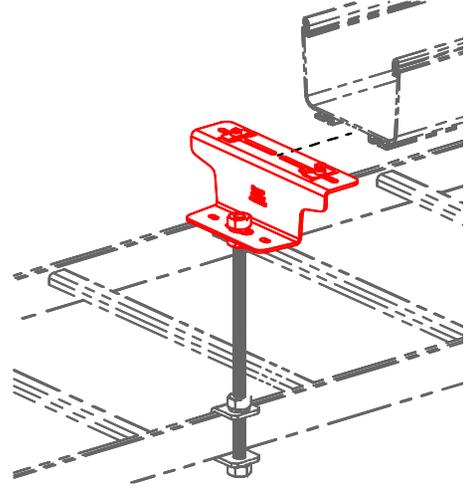
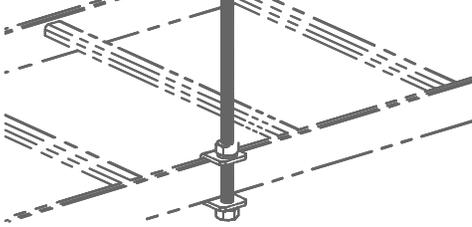
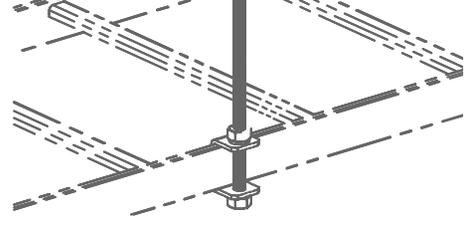
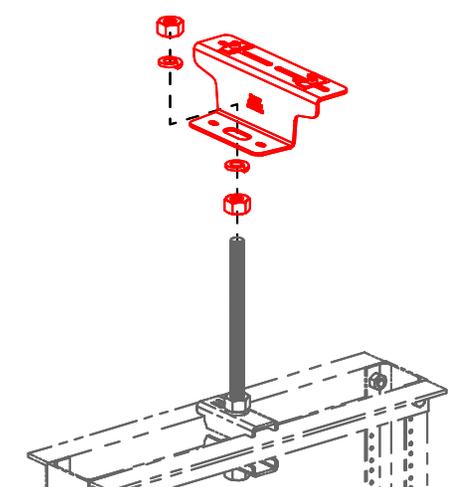
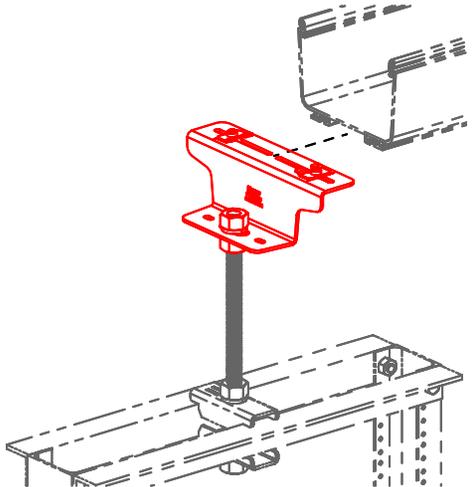
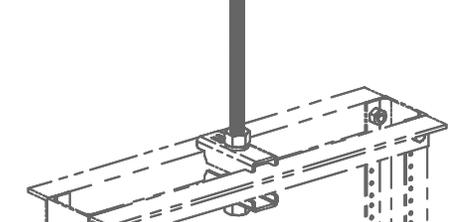
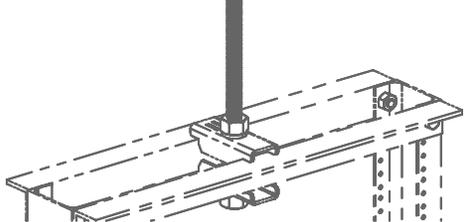
4x4 & 6x4 FIBERRUNNER® BRACKETS

PANDUIT PART NO. / BRACKET NAME	BRACKET COMPONENTS	BRACKET APPLICATION	USE THIS BRACKET WHEN:
<p>FR6TRBN12 <i>New Threaded Rod QUIKLOCK™ Bracket</i></p> <hr style="border-top: 1px dashed black;"/> <p>FR6TRBN12M <i>New Threaded Rod QUIKLOCK™ Bracket</i></p>			<ul style="list-style-type: none"> * You wish to install 4x4 or 6x4 FIBERRUNNER® channel using a <u>new</u> piece of 1/2" threaded rod. * You wish to run 4x4 or 6x4 FIBERRUNNER® off to the side of threaded rod. <hr style="border-top: 1px dashed black;"/> <ul style="list-style-type: none"> * You wish to install 4x4 or 6x4 FIBERRUNNER® channel using a <u>new</u> piece of 12mm threaded rod. * You wish to run 4x4 or 6x4 FIBERRUNNER® channel off to the side of threaded rod.
<p>FR6TRBN58 <i>New Threaded Rod QUIKLOCK™ Bracket</i></p> <hr style="border-top: 1px dashed black;"/> <p>FR6TRBN58M <i>New Threaded Rod QUIKLOCK™ Bracket</i></p>			<ul style="list-style-type: none"> * You wish to install 4x4 or 6x4 FIBERRUNNER® channel using a <u>new</u> piece of 5/8" threaded rod. * You wish to run 4x4 or 6x4 FIBERRUNNER® channel off to the side of threaded rod. <hr style="border-top: 1px dashed black;"/> <ul style="list-style-type: none"> * You wish to install 4x4 or 6x4 FIBERRUNNER® channel using a <u>new</u> piece of 16mm threaded rod. * You wish to run 4x4 or 6x4 FIBERRUNNER® channel off to the side of threaded rod.

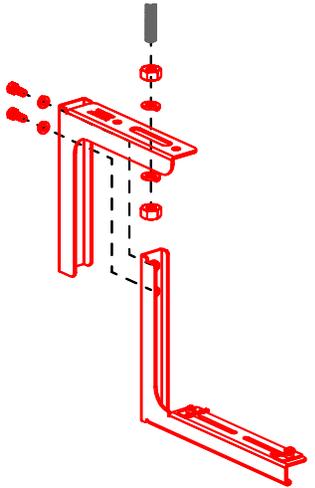
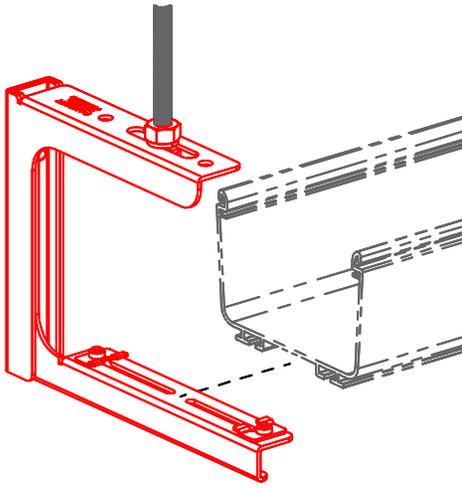
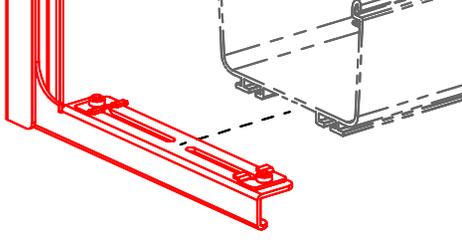
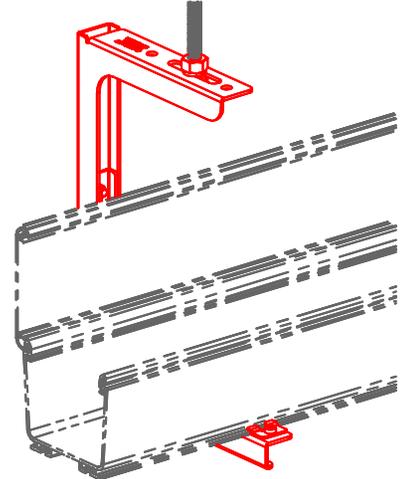
4x4 & 6x4 FIBERRUNNER® BRACKETS

PANDUIT PART NO. / BRACKET NAME	BRACKET COMPONENTS	BRACKET APPLICATION	USE THIS BRACKET WHEN:
<p>FR6ALB <i>Adjustable Ladder QUIKLOCK™ Bracket</i></p>			<ul style="list-style-type: none"> * You wish to install <i>FIBERRUNNER</i>® channel <u>without</u> using threaded rod. * You wish to run 4x4 or 6x4 <i>FIBERRUNNER</i>® channel off to the side of 3/8" x 1 1/2" or 3/8" x 2" ladder rack. * You wish to install 4x4 or 6x4 <i>FIBERRUNNER</i>® channel from 4" - 12" above or below the ladder rack (offset).
			<ul style="list-style-type: none"> * Note: Another method of installing this same bracket is shown here. The <i>FIBERRUNNER</i>® channel can be run off to the side and <u>below</u> the ladder rack.

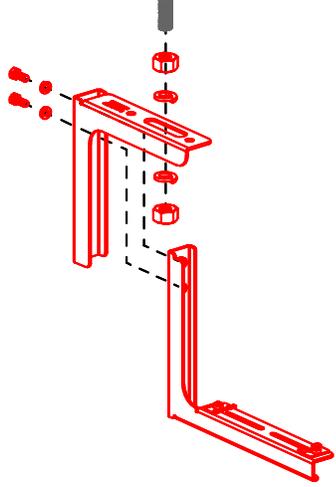
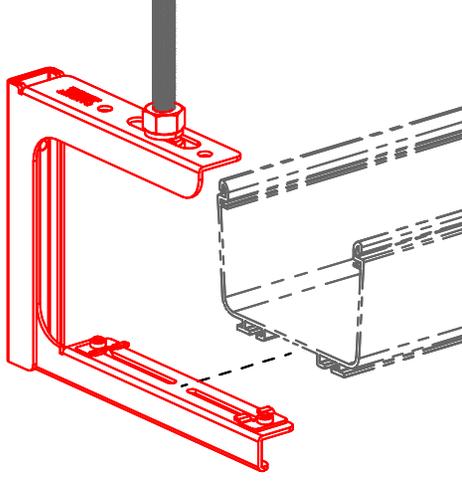
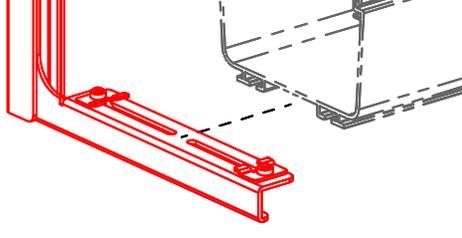
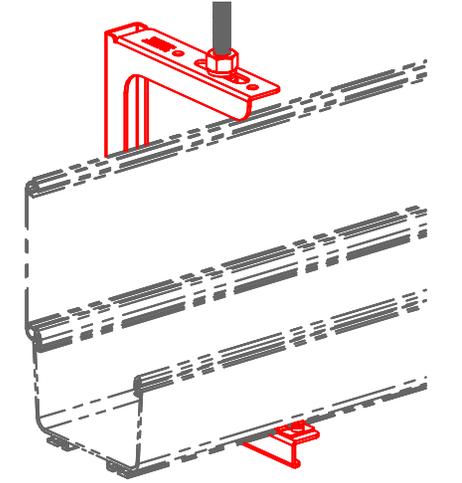
4x4 & 6x4 FIBERRUNNER® BRACKETS

PANDUIT PART NO. / BRACKET NAME	BRACKET COMPONENTS	BRACKET APPLICATION	USE THIS BRACKET WHEN:
<p>FR6CS12 <i>Center Support QUIKLOCK™ Bracket</i></p>			<ul style="list-style-type: none"> * You wish to install 4x4 or 6x4 FIBERRUNNER® channel using 1/2" threaded rod. * You wish to run 4x4 or 6x4 FIBERRUNNER® channel directly over the threaded rod (which is attached to ladder rack or the top of a rack).
<p>FR6CS12M <i>Center Support QUIKLOCK™ Bracket</i></p>			<ul style="list-style-type: none"> * You wish to install 4x4 or 6x4 FIBERRUNNER® channel using 12mm threaded rod. * You wish to run 4x4 or 6x4 FIBERRUNNER® channel directly over the threaded rod (which is attached to ladder rack or the top of a rack).
<p>FR6CS58 <i>Center Support QUIKLOCK™ Bracket</i></p>			<ul style="list-style-type: none"> * You wish to install 4x4 or 6x4 FIBERRUNNER® channel using 5/8" threaded rod. * You wish to run 4x4 or 6x4 FIBERRUNNER® channel directly over the threaded rod (which is attached to ladder rack or the top of a rack).
<p>FR6CS58M <i>Center Support QUIKLOCK™ Bracket</i></p>			<ul style="list-style-type: none"> * You wish to install 4x4 or 6x4 FIBERRUNNER® channel using 16mm threaded rod. * You wish to run 4x4 or 6x4 FIBERRUNNER® channel directly over the threaded rod (which is attached to ladder rack or the top of a rack).

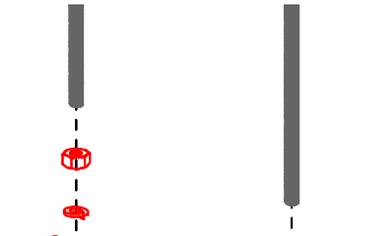
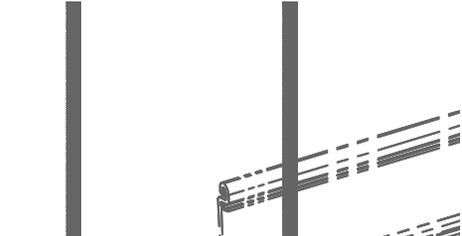
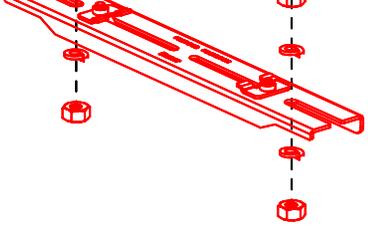
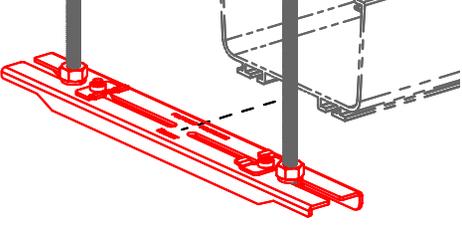
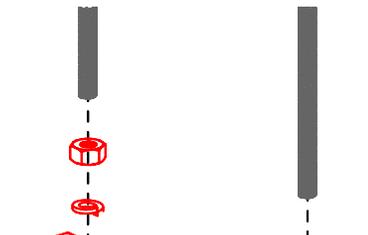
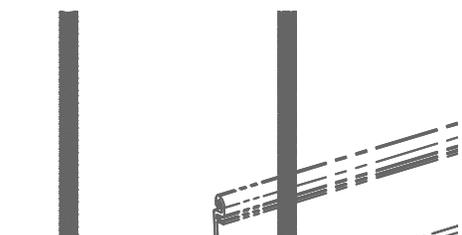
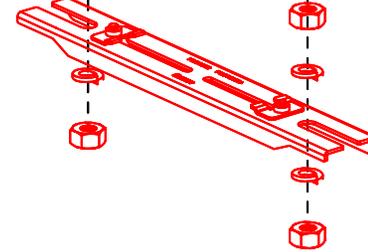
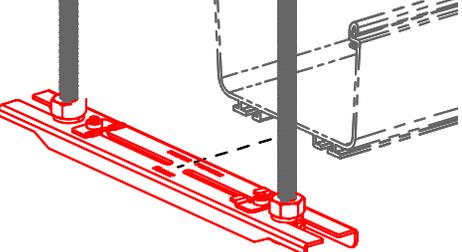
4x4 & 6x4 FIBERRUNNER® BRACKETS

PANDUIT PART NO. / BRACKET NAME	BRACKET COMPONENTS	BRACKET APPLICATION	USE THIS BRACKET WHEN:
<p>FR6ACB12 <i>Top Support Adjustable "C" QUIKLOCK™ Bracket</i></p>			<ul style="list-style-type: none"> * You wish to install 4x4 or 6x4 FIBERRUNNER® channel using 1/2" threaded rod. * You wish to run 4x4 or 6x4 FIBERRUNNER® channel directly under a new piece of threaded rod (which is attached to the ceiling, auxiliary framing or ladder rack).
<p>FR6ACB12M <i>Top Support Adjustable "C" QUIKLOCK™ Bracket</i></p>			<ul style="list-style-type: none"> * You wish to install 4x4 or 6x4 FIBERRUNNER® channel using 12mm threaded rod. * You wish to run 4x4 or 6x4 FIBERRUNNER® channel directly under a new piece of threaded rod (which is attached to the ceiling, auxiliary framing or ladder rack).
			<ul style="list-style-type: none"> * Note: Another method of installing this same bracket is shown here. The Adjustable "C" QUIKLOCK™ Bracket can be expanded to accommodate the 4x4 or 6x4 FIBERRUNNER® channel with the hinged cover open or closed.

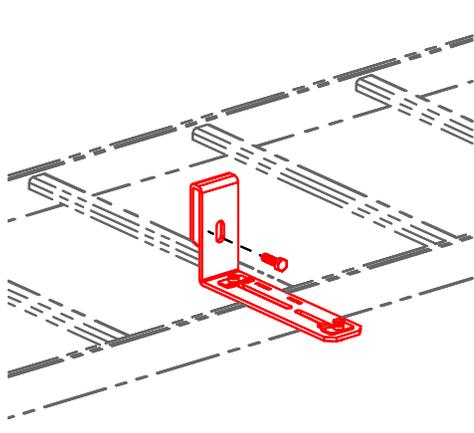
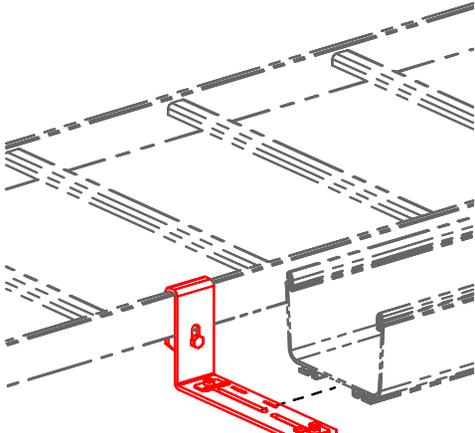
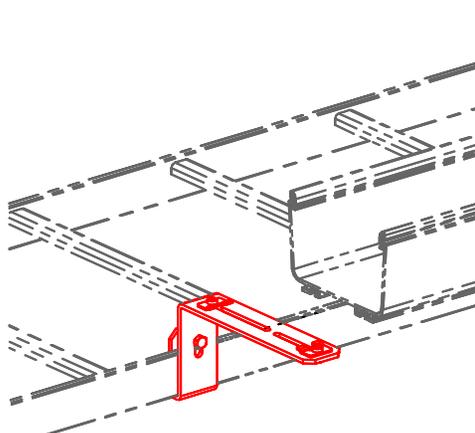
4x4 & 6x4 FIBERRUNNER® BRACKETS

PANDUIT PART NO. / BRACKET NAME	BRACKET COMPONENTS	BRACKET APPLICATION	USE THIS BRACKET WHEN:
<p>FR6ACB58 <i>Top Support Adjustable "C" QUIKLOCK™ Bracket</i></p>			<ul style="list-style-type: none"> * You wish to install 4x4 or 6x4 FIBERRUNNER® channel using 5/8" threaded rod. * You wish to run 4x4 or 6x4 FIBERRUNNER® channel directly under a new piece of threaded rod (which is attached to the ceiling, auxiliary framing or ladder rack).
<p>FR6ACB58M <i>Top Support Adjustable "C" QUIKLOCK™ Bracket</i></p>			<ul style="list-style-type: none"> * You wish to install 4x4 or 6x4 FIBERRUNNER® channel using 16mm threaded rod. * You wish to run 4x4 or 6x4 FIBERRUNNER® channel directly under a new piece of threaded rod (which is attached to the ceiling, auxiliary framing or ladder rack).
			<p>* Note: Another method of installing this same bracket is shown here. The Adjustable "C" QUIKLOCK™ Bracket can be expanded to accommodate the 4x4 or 6x4 FIBERRUNNER® channel with the hinged cover open or closed.</p>

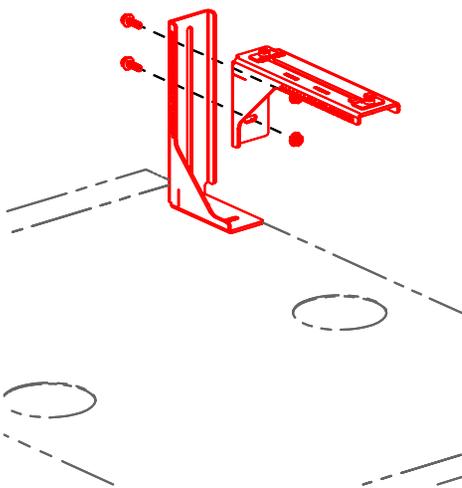
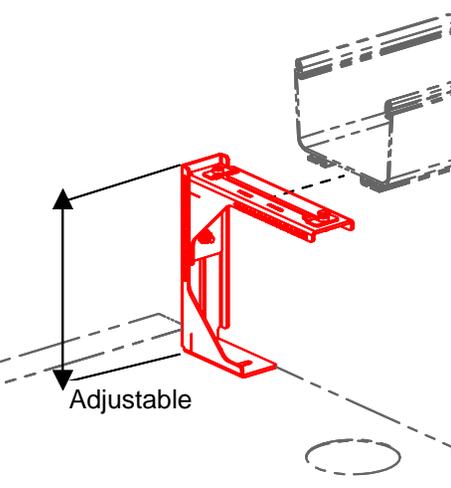
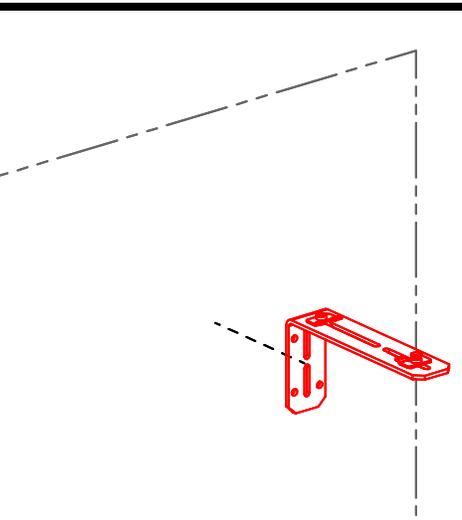
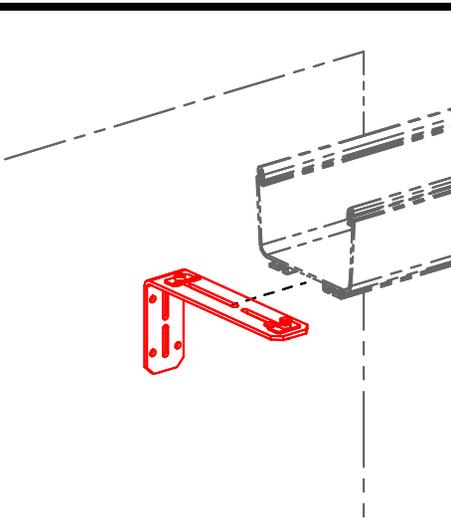
4x4 & 6x4 FIBERRUNNER® BRACKETS

PANDUIT PART NO. / BRACKET NAME	BRACKET COMPONENTS	BRACKET APPLICATION	USE THIS BRACKET WHEN:
<p>FR6TB38 <i>Trapeze QUIKLOCK™ Bracket</i></p>			<ul style="list-style-type: none"> * You wish to install 4x4 or 6x4 FIBERRUNNER® channel using 3/8" threaded rod. * You wish to run 4x4 or 6x4 FIBERRUNNER® channel between 2 pieces of threaded rod. * You wish to provide full support for 4x4 or 6x4 FIBERRUNNER® channel to eliminate any bracket deflection.
<p>FR6TB38M <i>Trapeze QUIKLOCK™ Bracket</i></p>			<ul style="list-style-type: none"> * You wish to install 4x4 or 6x4 FIBERRUNNER® channel using 10mm threaded rod. * You wish to run 4x4 or 6x4 FIBERRUNNER® channel between 2 pieces of threaded rod. * You wish to provide full support for 4x4 or 6x4 FIBERRUNNER® channel to eliminate any bracket deflection.
<p>FR6TB12 <i>Trapeze QUIKLOCK™ Bracket</i></p>			<ul style="list-style-type: none"> * You wish to install 4x4 or 6x4 FIBERRUNNER® channel using 1/2" threaded rod. * You wish to run 4x4 or 6x4 FIBERRUNNER® channel between 2 pieces of threaded rod. * You wish to provide full support for 4x4 or 6x4 FIBERRUNNER® channel to eliminate any bracket deflection.
<p>FR6TB12M <i>Trapeze QUIKLOCK™ Bracket</i></p>			<ul style="list-style-type: none"> * You wish to install 4x4 or 6x4 FIBERRUNNER® channel using 12mm threaded rod. * You wish to run 4x4 or 6x4 FIBERRUNNER® channel between 2 pieces of threaded rod. * You wish to provide full support for 4x4 or 6x4 FIBERRUNNER® channel to eliminate any bracket deflection.

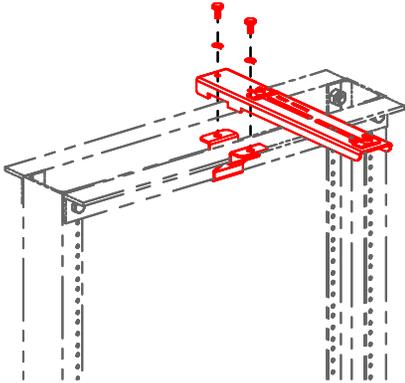
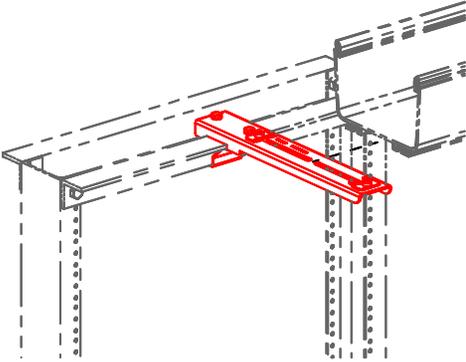
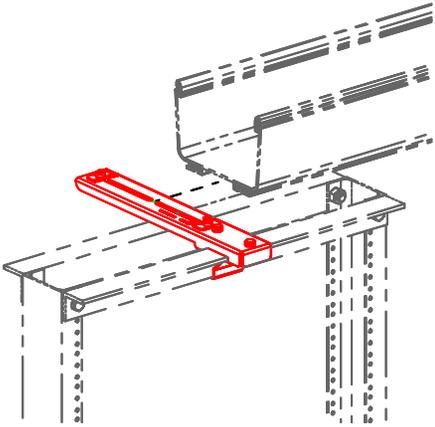
4x4 & 6x4 FIBERRUNNER® BRACKETS

PANDUIT PART NO. / BRACKET NAME	BRACKET COMPONENTS	BRACKET APPLICATION	USE THIS BRACKET WHEN:
<p>FR6LRB Ladder Rack QUIKLOCK™ Bracket</p>			<ul style="list-style-type: none"> * You wish to support 4x4 or 6x4 FIBERRUNNER® channel by attaching directly to a ladder rack rail (without threaded rod). * You wish to run 4x4 or 6x4 FIBERRUNNER® channel off to the side of 3/8" x 1 1/2" or 3/8" x 2" ladder rack.
			<ul style="list-style-type: none"> * Note: Another method of installing this same bracket is shown here. The FIBERRUNNER® channel can be run off to the side and <u>above</u> the ladder rack.

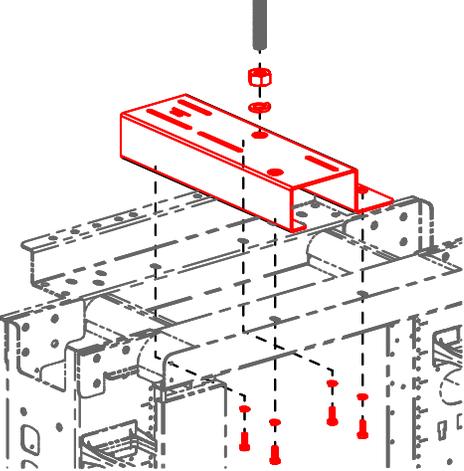
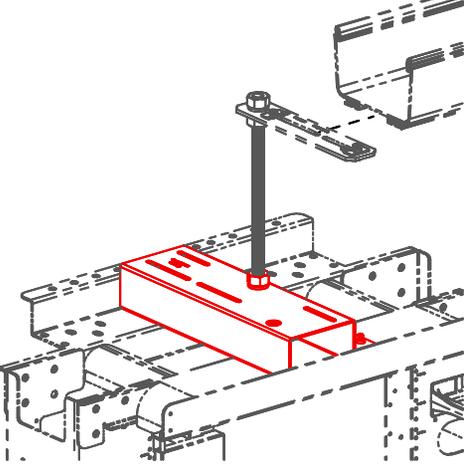
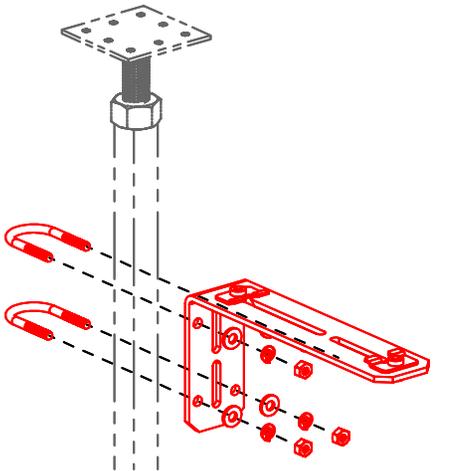
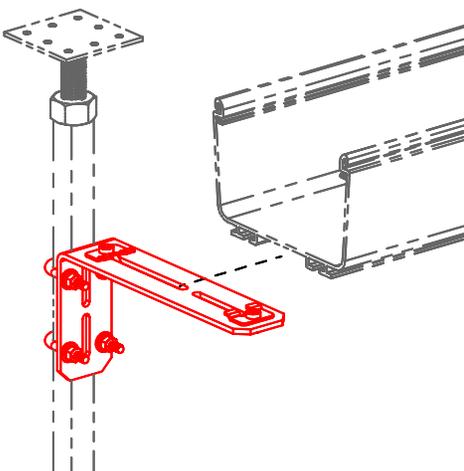
4x4 & 6x4 FIBERRUNNER® BRACKETS

PANDUIT PART NO. / BRACKET NAME	BRACKET COMPONENTS	BRACKET APPLICATION	USE THIS BRACKET WHEN:
<p>FR6ACAB <i>Adjustable Cabinet QUIKLOCK™ Bracket</i></p>			<ul style="list-style-type: none"> * You wish to install 4x4 or 6x4 FIBERRUNNER® channel along the tops of cabinets. * You wish to run 4x4 or 6x4 FIBERRUNNER® channel by mounting directly to the top framework of cabinets. * You wish to install 4x4 or 6x4 FIBERRUNNER® channel from ¼" to 9" above the cabinet tops.
<p>FR6LB <i>"L" Wall Mount QUIKLOCK™ Bracket</i></p>			<ul style="list-style-type: none"> * You wish to support 4x4 or 6x4 FIBERRUNNER® channel by attaching to a wall. * You wish to support 4x4 or 6x4 FIBERRUNNER® channel in the front or back of an equipment rack.

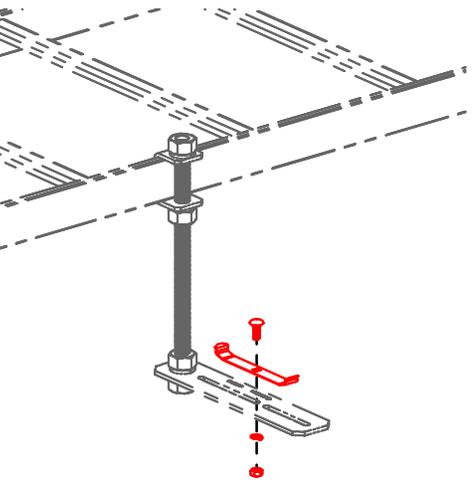
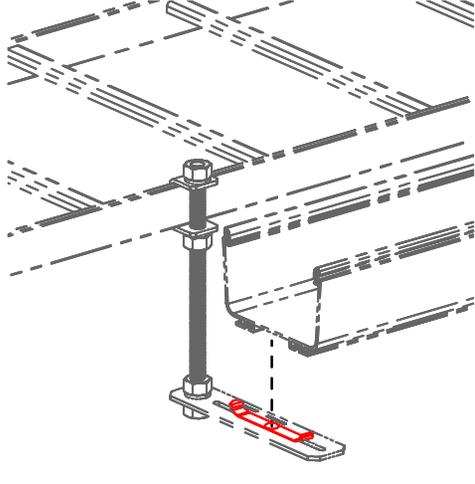
4x4 & 6x4 FIBERRUNNER® BRACKETS

PANDUIT PART NO. / BRACKET NAME	BRACKET COMPONENTS	BRACKET APPLICATION	USE THIS BRACKET WHEN:
<p>FR6RMBEIA EIA/TIA Rack Mount QUIKLOCK™ Bracket</p>			<ul style="list-style-type: none"> * You wish to install 4x4 and 6x4 FIBERRUNNER® channel to the top of an EIA/TIA equipment rack. * You wish to run 4x4 or 6x4 FIBERRUNNER® channel horizontally along the tops of EIA/TIA equipment racks without using threaded rod.
			<ul style="list-style-type: none"> * Note: Another method of installing this same bracket is shown here. The bracket can be positioned to center the FIBERRUNNER® channel over the top of the racks (as opposed to offset as shown above).

4x4 & 6x4 FIBERRUNNER® BRACKETS

PANDUIT PART NO. / BRACKET NAME	BRACKET COMPONENTS	BRACKET APPLICATION	USE THIS BRACKET WHEN:
<p>FRRMBNF58 <i>NETFRAME™ Rack Mount QUIKLOCK™ Bracket</i></p>			<ul style="list-style-type: none"> * You wish to install 4x4 and 6x4 FIBERRUNNER® channel to the top of the Panduit NetFrame™ rack. * You wish to attach 5/8" threaded rod to the top of the Panduit NetFrame™ rack. * You wish to then attach the appropriate bracket to the threaded rod so that 4x4 and 6x4 FIBERRUNNER® channel can be run. <p>Note: This bracket can also be used to route and fully support 12x4 FIBERRUNNER® channel.</p>
<p>FR6USB <i>Under-Floor Pedestal QUIKLOCK™ Bracket</i></p>			<ul style="list-style-type: none"> * You wish to install 4x4 or 6x4 FIBERRUNNER® channel underfloor. * You wish to attach 4x4 or 6x4 FIBERRUNNER® channel to underfloor pedestals which are up to 1" in diameter.

4x4 & 6x4 FIBERRUNNER® BRACKETS

PANDUIT PART NO. / BRACKET NAME	BRACKET COMPONENTS	BRACKET APPLICATION	USE THIS BRACKET WHEN:
<p>FRBB6 <i>Snap Bracket Clip</i></p>			<p>* You wish to install 6x4 FIBERRUNNER® channel to any mounting bracket by just snapping the channel onto the bracket (without using the typical slide clamps)</p>