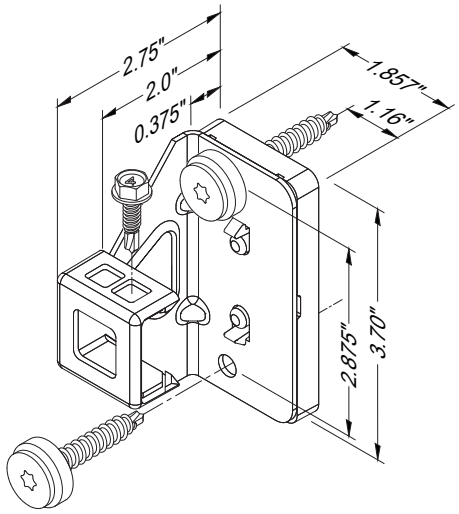
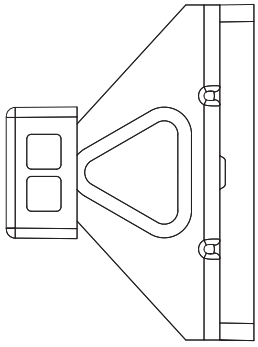
KNIGHT® WALL SYSTEMS

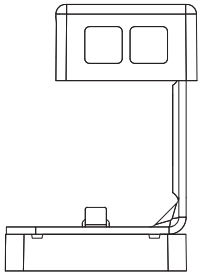
2” S-SERIES THERMABRACKET®

THERMALLY ISOLATED CLADDING SUPPORT BRACKET





SIDE VIEW



TOP VIEW

APPLICATION

The ThermaBracket® is a cladding support bracket which creates a rainscreen cavity and is most commonly used with exterior insulated wall assemblies. The product is intended for use on wall surfaces and horizontal soffit conditions to provide thermally improved support of the cladding. Back-up wall the ThermaBracket may be secured to include steel studs (18-gauge min.), wood studs, concrete or concrete masonry units (CMU). Back-up walls must be designed to support the loads imposed by the rainscreen system. The maximum supported weight and wind pressures (loads) will vary depending upon the spacing of the ThermaBracket and the type of construction to which they attach.

S-SERIES

The S-Series (Static Series) rail-to-bracket connection is fixed with slight “built-in” adjustability (~1/8 inch). The ThermaBracket has the ability of addint specially designed shims between the isolator and back-up wall at 1/8 inch increments. These shims fit square, straight and bear evenly for a structurally secure, sound connection without increasing thermal transmittance. The air cavity (between backside of cladding to face of insulation) is 0.75 inch when the S-Rail is used. When the S-100 rail is used, it is 1.0 inch.

PROPERTIES & OPTIONS

WEIGHT (EA)	*4.8 ounces*
MATERIAL TYPE	*ASTM A1046 ZM40 Steel or 304 Stainless Steel**
DESIGN STEEL THICKNESS	*0.078 inches*
MIN. STEEL THICKNESS	*0.074 inches*
YIELD STRESS, Fy	*50 ksi*
AVAILABLE FINISHES	*Standard Mill*
THERMAL ISOLATION MATERIAL	*Polypropylene*
DECLARE LABEL	*Red List Free*

Properties are for ZM40 steel products only, contact KWS for stainless steel.

*Asterisk identifies non-standard items - availability & additional cost vary. All dimensions & weights are nominal. Contact KWS to confirm availability - most standard items typically ship within two weeks (quantity dependent). See system specific guide details for further information on design, detailing and installation.

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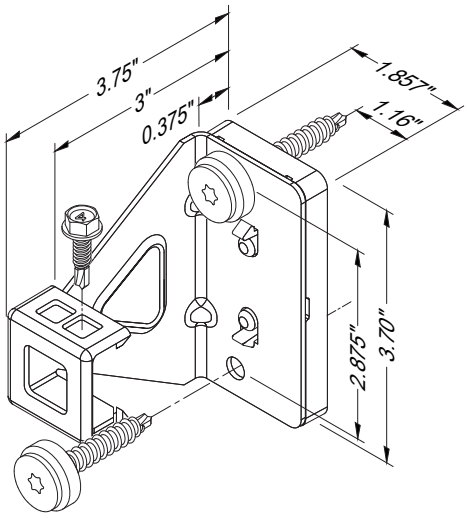
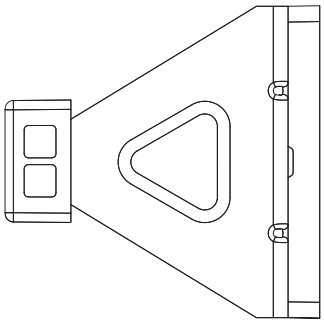
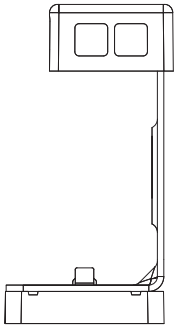
3” S-SERIES THERMABRACKET®
THERMALLY ISOLATED CLADDING SUPPORT BRACKET





SIDE VIEW



TOP VIEW

APPLICATION

The ThermaBracket® is a cladding support bracket which creates a rainscreen cavity and is most commonly used with exterior insulated wall assemblies. The product is intended for use on wall surfaces and horizontal soffit conditions to provide thermally improved support of the cladding. Back-up wall the ThermaBracket may be secured to include steel studs (18-gauge min.), wood studs, concrete or concrete masonry units (CMU). Back-up walls must be designed to support the loads imposed by the rainscreen system. The maximum supported weight and wind pressures (loads) will vary depending upon the spacing of the ThermaBracket and the type of construction to which they attach.

S-SERIES

The S-Series (Static Series) rail-to-bracket connection is fixed with slight “built-in” adjustability (~1/8 inch). The ThermaBracket has the ability of addint specially designed shims between the isolator and back-up wall at 1/8 inch increments. These shims fit square, straight and bear evenly for a structurally secure, sound connection without increasing thermal transmittance. The air cavity (between backside of cladding to face of insulation) is 0.75 inch when the S-Rail is used. When the S-100 rail is used, it is 1.0 inch.

PROPERTIES & OPTIONS

WEIGHT (EA)	*5.6 ounces*
MATERIAL TYPE	*ASTM A1046 ZM40 Steel or 304 Stainless Steel**
DESIGN STEEL THICKNESS	*0.078 inches*
MIN. STEEL THICKNESS	*0.074 inches*
YIELD STRESS, Fy	*50 ksi*
AVAILABLE FINISHES	*Standard Mill*
THERMAL ISOLATION MATERIAL	*Polypropylene*
DECLARE LABEL	*Red List Free*

Properties are for ZM40 steel products only, contact KWS for stainless steel.

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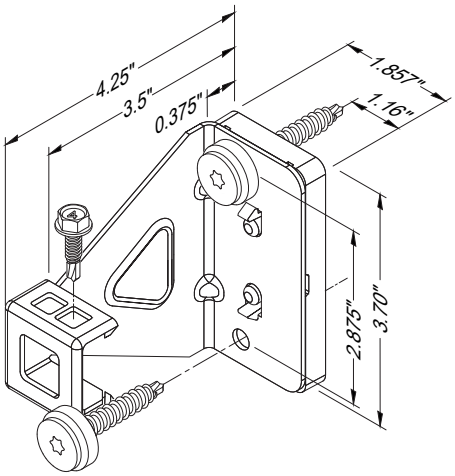
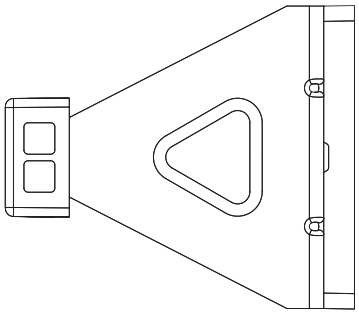
KNIGHT® WALL SYSTEMS

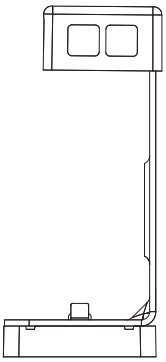
3.5” S-SERIES THERMABRACKET®

THERMALLY ISOLATED CLADDING SUPPORT BRACKET





SIDE VIEW



TOP VIEW

APPLICATION

The ThermaBracket® is a cladding support bracket which creates a rainscreen cavity and is most commonly used with exterior insulated wall assemblies. The product is intended for use on wall surfaces and horizontal soffit conditions to provide thermally improved support of the cladding. Back-up wall the ThermaBracket may be secured to include steel studs (18-gauge min.), wood studs, concrete or concrete masonry units (CMU). Back-up walls must be designed to support the loads imposed by the rainscreen system. The maximum supported weight and wind pressures (loads) will vary depending upon the spacing of the ThermaBracket and the type of construction to which they attach.

S-SERIES

The S-Series (Static Series) rail-to-bracket connection is fixed with slight “built-in” adjustability (~1/8 inch). The ThermaBracket has the ability of addint specially designed shims between the isolator and back-up wall at 1/8 inch increments. These shims fit square, straight and bear evenly for a structurally secure, sound connection without increasing thermal transmittance. The air cavity (between backside of cladding to face of insulation) is 0.75 inch when the S-Rail is used. When the S-100 rail is used, it is 1.0 inch.

PROPERTIES & OPTIONS

WEIGHT (EA)	*6.1 ounces*
MATERIAL TYPE	*ASTM A1046 ZM40 Steel or 304 Stainless Steel**
DESIGN STEEL THICKNESS	*0.078 inches*
MIN. STEEL THICKNESS	*0.074 inches*
YIELD STRESS, Fy	*50 ksi*
AVAILABLE FINISHES	*Standard Mill*
THERMAL ISOLATION MATERIAL	*Polypropylene*
DECLARE LABEL	*Red List Free*

Properties are for ZM40 steel products only, contact KWS for stainless steel.

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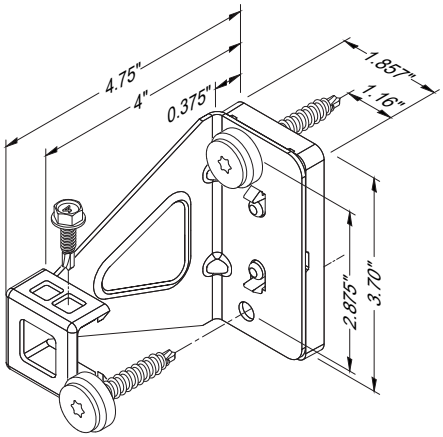
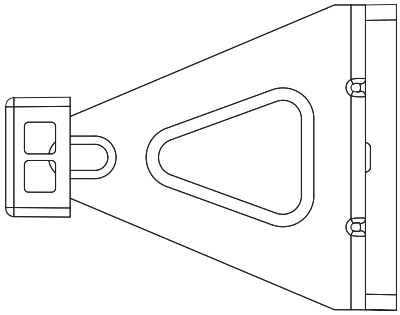
KNIGHT® WALL SYSTEMS

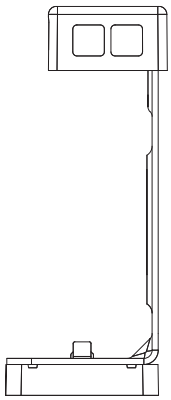
4” S-SERIES THERMABRACKET®

THERMALLY ISOLATED CLADDING SUPPORT BRACKET





SIDE VIEW



TOP VIEW

APPLICATION

The ThermaBracket® is a cladding support bracket which creates a rainscreen cavity and is most commonly used with exterior insulated wall assemblies. The product is intended for use on wall surfaces and horizontal soffit conditions to provide thermally improved support of the cladding. Back-up wall the ThermaBracket may be secured to include steel studs (18-gauge min.), wood studs, concrete or concrete masonry units (CMU). Back-up walls must be designed to support the loads imposed by the rainscreen system. The maximum supported weight and wind pressures (loads) will vary depending upon the spacing of the ThermaBracket and the type of construction to which they attach.

S-SERIES

The S-Series (Static Series) rail-to-bracket connection is fixed with slight “built-in” adjustability (~1/8 inch). The ThermaBracket has the ability of addint specially designed shims between the isolator and back-up wall at 1/8 inch increments. These shims fit square, straight and bear evenly for a structurally secure, sound connection without increasing thermal transmittance. The air cavity (between backside of cladding to face of insulation) is 0.75 inch when the S-Rail is used. When the S-100 rail is used, it is 1.0 inch.

PROPERTIES & OPTIONS

WEIGHT (EA)	*6.2 ounces*
MATERIAL TYPE	*ASTM A1046 ZM40 Steel or 304 Stainless Steel**
DESIGN STEEL THICKNESS	*0.078 inches*
MIN. STEEL THICKNESS	*0.074 inches*
YIELD STRESS, Fy	*50 ksi*
AVAILABLE FINISHES	*Standard Mill*
THERMAL ISOLATION MATERIAL	*Polypropylene*
DECLARE LABEL	*Red List Free*

Properties are for ZM40 steel products only, contact KWS for stainless steel.

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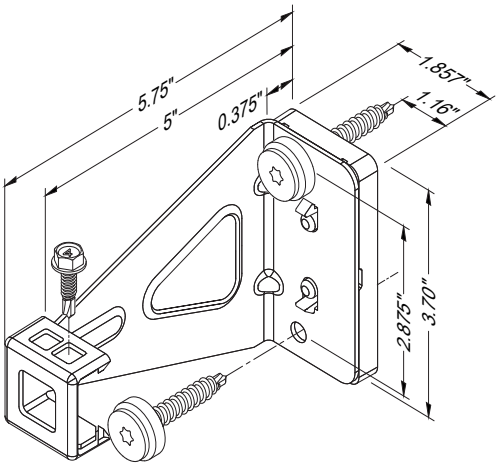
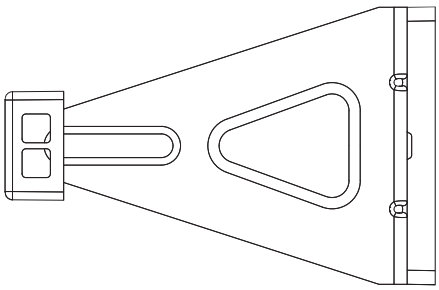
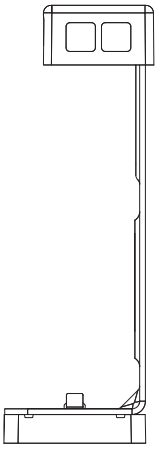
5” S-SERIES THERMABRACKET®
THERMALLY ISOLATED CLADDING SUPPORT BRACKET





SIDE VIEW



TOP VIEW

APPLICATION

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S-SERIES

The S-Series (Static Series) rail-to-bracket connection is fixed with slight “built-in” adjustability (~1/8 inch). The ThermaBracket has the ability of addint specially designed shims between the isolator and back-up wall at 1/8 inch increments. These shims fit square, straight and bear evenly for a structurally secure, sound connection without increasing thermal transmittance. The air cavity (between backside of cladding to face of insulation) is 0.75 inch when the S-Rail is used. When the S-100 rail is used, it is 1.0 inch.

PROPERTIES & OPTIONS

WEIGHT (EA)	*6.9 ounces*
MATERIAL TYPE	*ASTM A1046 ZM40 Steel or 304 Stainless Steel**
DESIGN STEEL THICKNESS	*0.078 inches*
MIN. STEEL THICKNESS	*0.074 inches*
YIELD STRESS, Fy	*50 ksi*
AVAILABLE FINISHES	*Standard Mill*
THERMAL ISOLATION MATERIAL	*Polypropylene*
DECLARE LABEL	*Red List Free*

Properties are for ZM40 steel products only, contact KWS for stainless steel.

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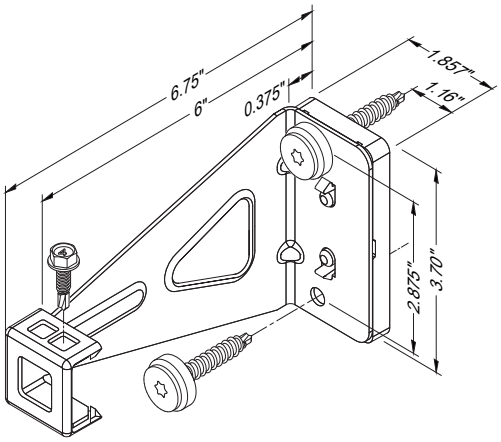
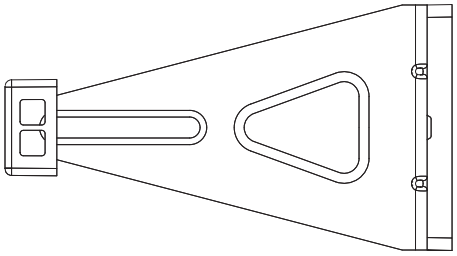
KNIGHT® WALL SYSTEMS

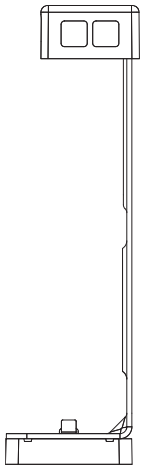
6” S-SERIES THERMABRACKET®

THERMALLY ISOLATED CLADDING SUPPORT BRACKET





SIDE VIEW



TOP VIEW

APPLICATION

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S-SERIES

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PROPERTIES & OPTIONS

WEIGHT (EA)	*7.7 ounces*
MATERIAL TYPE	*ASTM A1046 ZM40 Steel or 304 Stainless Steel**
DESIGN STEEL THICKNESS	*0.078 inches*
MIN. STEEL THICKNESS	*0.074 inches*
YIELD STRESS, Fy	*50 ksi*
AVAILABLE FINISHES	*Standard Mill*
THERMAL ISOLATION MATERIAL	*Polypropylene*
DECLARE LABEL	*Red List Free*

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