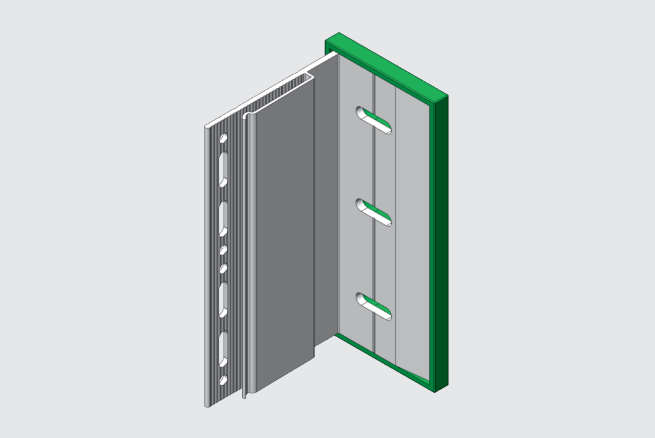
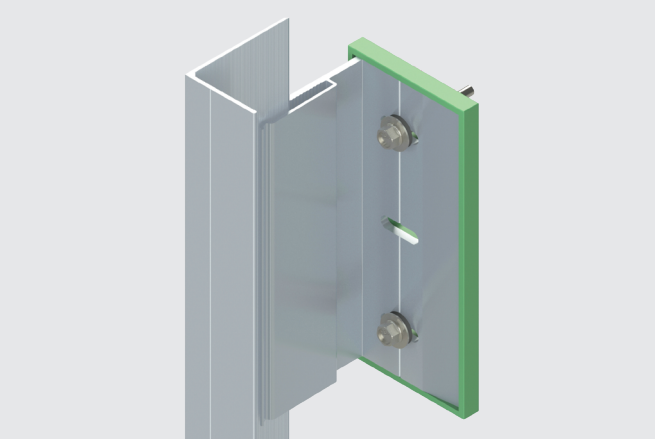
NVELOPE™
Double Bracket–6.5 mm slots





Features and Benefits

- Bracket design allows for rail retainment without additional tools
- Up to 1-½" adjustment range eliminates the need for shims
- Corrosion resistant and 100% recyclable
- Fastener guide marks and integrated thermal isolator to aid in constructabiltiy
- Up to a quarter inch of thermal movement
- Engineered to meet thermal code requirements

Application

- Creates a cavity between the architectural cladding and the building for the inclusion of exterior insulation
- Installs directly onto a variety of substrates including steel, wood, concrete and CMU
- Brackets are a component of the NV1 thermally broken subframe system which is used to attach architectural cladding materials utilizing vertically oriented extrusions

Product Selection

Material No.	Bracket Depth (mm)	Cavity Range				Product Code	Carton Wt. (lbs)	Carton Qty.
		Minimum		Maximum				
		(mm)	(in)	(mm)	(in)			
1521239	40	47	1.85	67	2.64	NV-VB40D-6.5	22	75
1521247	60	62	2.44	102	4.01	NV-VB60D-6.5	33	75
1521255	90	92	3.62	132	5.19	NV-VB90D-6.5	33	60
1521263	120	122	4.80	162	6.37	NV-VB120D-6.5	34	40
1521273	150	152	5.96	192	7.56	NV-VB150D-6.5	34	35
1521282	180	182	7.16	222	8.74	NV-VB180D-6.5	33	30
1521291	210	212	8.35	252	9.92	NV-VB210D-6.5	31	25
1521300	240	242	9.52	282	11.10	NV-VB240D-6.5	35	25
1521309	270	272	10.70	302	12.28	NV-VB270D-6.5	33	20
1521317	300	302	11.89	342	13.46	NV-VB300D-6.5	35	20

US
T 800 234 4533
us.sfs.com

Canada
T 866 847 5400
ca.sfs.com

Imperial values are approximate conversions.

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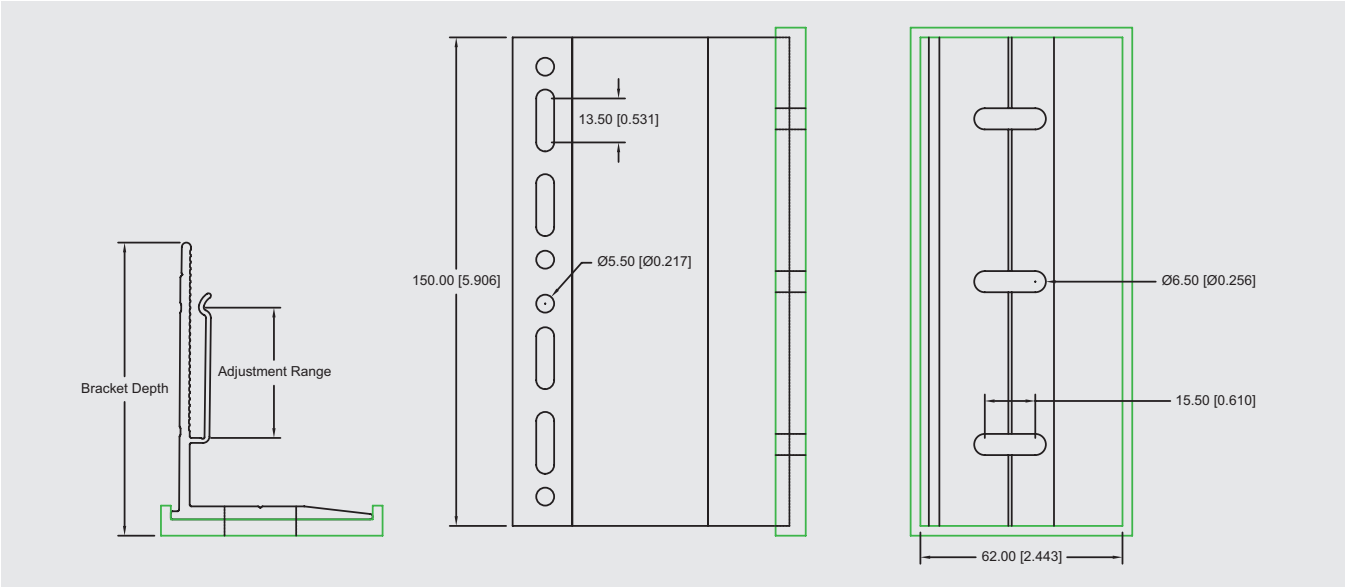

Product Specifications

Bracket Material: 6005A-T6 aluminum
Isolator Material: Polypropylene
Isolator Thickness: 5mm

Performance Data[1, 2, 3]

Bracket Material Strength

Young's Modulus	10,100 ksi / 70 Gpa
Tensile Strength	38 ksi / 260 Mpa
Shear Strength	24 ksi / 165 Mpa
Tensile Yield	35 ksi / 240 Mpa

Material Thermal Transmittance

Bracket Conductivity:	1339 Btu-in/ft²-hr-°F (193 W/m-K)
Isolator Conductivity:	0.81 Btu-in/ft²-hr-°F (0.117 W/m-K)

[1] Inward Horizontal: SFS 1646 / R3
[2] Outward Horizontal: SFS 5900.21
[3] Vertical: SFS 5901.21

Bracket Structural Values

Bracket Size	Vertcal Load	Inward Horizontal Load	Outward Horizontal Load
40	1280 lbf / 5.70 KN	1984 lbf / 8.82 KN	1219 lbf / 5.42 KN
60	1150 lbf / 5.12 KN	1433 lbf / 6.37 KN	1338 lbf / 5.95 KN
90	864 lbf / 3.84 KN	1234 lbf / 5.49 KN	1457 lbf / 6.48 KN
120	460 lbf / 2.05 KN	1139 lbf / 5.07 KN	1576 lbf / 7.01 KN
150	405 lbf / 1.80 KN	1036 lbf / 4.60 KN	1695 lbf / 7.54 KN
180	350 lbf / 1.56 KN	881 lbf / 3.92 KN	
210	295 lbf / 1.31 KN	727 lbf / 3.23 KN	
240	240 lbf / 1.07 KN	639 lbf / 2.84 KN	
270	185 lbf / 0.82 KN	573 lbf / 2.54 KN	
300	130 lbf / 0.58 KN	551 lbf / 2.45 KN	

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