



Design, Manufacture & Supply

SFS is the building envelope specialist. We serve the construction industry with fastening solutions for low slope roofing, post-frame construction, metal building systems, commercial construction facades and curtain walls, subframe support systems, offsite and modular construction and mass timber construction.

But we're not just a fastener company. We have designed and developed innovative installation tools that increase productivity and make installation more accurate and easier.

At SFS, our vertically integrated supply chain keeps the fastener production, coating and packaging of our products in our hands. This provides greater assurance that we will live up to our quality, delivery and service commitments.

Together with our expertise, we can help you find the right product and systems for your project.

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Intense Color, Ultimate Performance

Our VistaCoat® premium system is a proprietary highperformance finish that is durable, provides exceptional UV and corrosion resistance and is environmentally friendly. This system is designed to endure rigorous fastener applications and provide the highest quality installed product.

SFS has the ability to color match to any panel color, but we've already made it easy by offering a broad pallet of standard colors that match the majority of OEM panels. Check out our online color selector tool – its easy to find the SFS color code to match many OEM panel colors.

If you are a panel manufacturer and want fasteners perfectly matched to your panels, just submit a color chip to us.

SFS Standard VistaCoat® colors

The below chart is a representation of our standard VistaCoat® color offering. Color swatches are a representation only, and not to be used for exact matching.

White

- 014 Bright White
- 001 White
- 348 Bone White
- 330 Warm White
- 818 Sierra White

Brown

- 020 Tan
- 548 Ivory
- 248 Light Stone
- 415 Beige
- 109 Sand Beige
- 422 Taupe
- 230 Desert Brown
- 110 Brown
- 374 Dark Brown

Green

- 385 Patina
- 052 Teal Green
- 660 Hemlock
- 047 SFS Green
- 232 Evergreen
- 732 Denali Green
- 228 Green
- 925 Classic Green
- 798 Hartford Green

Red

- 102 Crimson Red
- 928 Terra Cotta
- 890 Red
- 691 Barn Red
- 074 Colonial Red
- 1210 Brite red
- 393 Burgundy

Bronze

- 537 Medium Bronze
- 042 Burnished Slate
- 324 Dark Bronze

Metallic

- 1160 Champagne Metallic
- 1161 Silver Metallic
- 1161 Silver Metallic
 1162 Zactique Metallic
- 1116 Copper Penny Metallic

Gray

Blue

012

421

Black

• 023

850 Ash Gray

432 Blue Teal

Blue

843 Regal Blue

Navy

Black

507 Matte Black

- 302 Pearl Gray
- 578 Old Town Gray
- 696 Pewter Gray
- 091 Zinc Gray
- 051 Charcoal Gray
- 416 Slate Grav





We're Committed to Service

At SFS, positive customer experience is paramount. We are committed to fulfilling customer requirements by going above and beyond expectations. We blend proactive engineering and holistic add-on services to provide our customers end to end solutions.



Our services at a glance

Engineering services

Our highly creative technical specialists provide a systematic approach. This includes multi-disciplined engineering services which ensure optimal performance of the building envelope.

Services for facade framing systems

We are experts in design development, shop drawings and submittal calculations on complex building facades.

Order and delivery services

Our reliable order processes and worldwide delivery network, ensure complete and on-time as ordered service.

Job site services

Our professional network offers on-site product training.

Tool repair program

We offer quick turn-around repair service of SFS productivity tools.

eLogistics

Our automated logistics processes with track and trace features mean customers spend less time from order to delivery.

ConnectSuite: Our Digital Power Tools

NVELOPE budget calculator

Quickly and easily estimates the square foot cost of NVELOPE thermally broken cladding support system materials needed for your project.

NVELOPE Design Assist

Determine which NVELOPE cladding system is ideal for your project. Design a rainscreen bracket system dependent on factors such as local wind loads, height of the facade, substrate being fixed to, selected cladding material and the cladding zone.

Fastener color selector

Makes finding the perfect SFS color match to an OEM panel easy.

Panel clip product finder

Provides all the SFS standing seam roof panel clips that work with your roll forming equipment and attachment method.

VistaVent® ridge ventilation product finder

Identifies the SFS product which is cut to fit your panel profile.

VistaFoam® closure product finder

Three easy ways to find closure cut to fit your panel profile.



Require more information?

This brochure is just an overview of the many products and services SFS has to offer. You may find you need more information before you are ready to buy... and SFS has it available for you. Always feel free to contact us by phone or email. Or visit our website where you can easily find a vast array of information at your fingertips.

Product data sheets

We have indepth product data sheets available on most products published on our website for easy viewing or download. These data sheets provide information on:

- Application
- Features and benefits
- Product specifications
- Engineering drawing
- Performance values
- Product selection
- Installation and application considerations



Ready to buy?

We're here to assist you in your purchase decision and make it easy. Our SFS outside sales force and our inside customer service team are available to answer questions and make your journey a smooth one.

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Post Frame Building Fastening Solutions

Woodgrip[™] metal panel to wood fasteners

	Product	Diameter	Threads per inch	Head style/drive	Washer	Point	Lengths
41111118888.11111	#10 Woodgrip+	#10	12/24	1/4" HWH	Control seal	Sharp point	1" to 2-1/2"
	#10 Woodgrip HiLo	#10	15	1/4" HWH	Bond seal	Type 17 milled point	1" to 3"
- mmmmmm	#10 Woodgrip	#10	14	1/4" HWH	Control seal	Sharp point	1" to 3"
	#12 Woodgrip XG	#12	8	1/4" HWH	Bond seal	Sharp point	1" to 2-1/2"
	#14 Type 17 A-MP	#14	10	5/16" HWH	Bond seal	Type 17 A-milled point	1" to 3"
January	#10 Woodgrip HiLo LP Exterior sidewall	#10	15	1/2" pan head T25	Bond seal	Type 17 milled point	1" to 2"
stribititities-	#10 Woodgrip HiLo LP Interior liner panel	#10	15	1/2" pan head T25	Bond seal	Sharp point	1" to 1-1/2"

Long-life metal panel to wood fasteners

			Threads				
	Product	Diameter	per inch	Head style/drive	Washer	Point	Lengths
	#10 WoodZAC®	#10	15	5/16" HWH Zinc	Aluminum	Type 17	1" to 3"
diminimize-	HiLo			alloy capped	bond seal	milled point	
	#12 WoodZAC® XG	#12	8	5/16" HWH Zinc alloy capped	EPDM sealer	Sharp point	1" to 2-1/2"
Minn-	1/4-14 ZAC® Type AB	1/4"	14	3/8" HH Zinc alloy capped	EPDM sealer	Type AB milled point	1" to 2-1/2"



Post Frame Building Fastening Solutions

Long-life metal panel to wood fasteners continued

			Threads				
	Product	Diameter	per inch	Head style/drive	Washer	Point	Lengths
A-	#10 WoodMAC	#10	15	1/4" HWH	EPDM	Type 17	1" to 2-1/2"
Mitripolitical	HiLo			stainless capped	sealer	milled point	
	#9 Evergrip®	#9	15	1/4" HWH	Stainless	Carbon	1" to 2-1/2"
MHHHHHHHHHHM -	304SS Bi-Met				bond seal	steel	
	HWH					sharp point	
alt	#9 Evergrip®	#9	15	3/8" pan head T25	Stainless	Carbon	1" to 3"
	304SS Bi-Met T25				bond seal	steel	
4						sharp point	
<u> </u>	#9 Aluminum	#9	15	1/4" HWH	Aluminum	Sharp point	1" to 3"
MITTHEWAY OF THE PROPERTY OF T	Panel 304SS				bond seal		
-							

Stitch and light metal connections

		Threads				
Product	Diameter	per inch	Head style/drive	Washer	Point	Lengths
#12 Woodgrip Lap	#12	14	1/4" HWH	Control seal	Sharp point	3/4"
#12 Woodgrip Lap	#12	14	1/4" HWH	Bond seal	Sharp point	3/4"

Product	Diameter	Body	Mandrel	US dimensions
American Standard	1/8"	Stainless	Stainless	43, 44, 46
Blind Rivet				



Post Frame Building Fastening Solutions

ConnexTite[™] structural wood screw

	Product	Diameter	Head style/drive	Washer	Point	Lengths
	Flange head	1/4"	Flange T25	_	ribbed	1-1/2" to 2-3/4"
() ====================================	Flange head	5/16"	Flange T40	_	ribbed	2-3/4" to 5-1/2"
1	Countersunk	5/16"	Flange T40	-	ribbed	2-3/4" to 4"

Accessories

	Product	Description
Contract of	VistaVent® Ridge Ventilation	Panel fit and universal venting material. Many panel profiles available.
	VistaFoam®	Panel opening filler designed to close gaps in roof and sidewall applications. Available
	Closure Strips	in most panel profiles.
	Hannoband® BG1	Self-expanding joint sealing tape for joints, seams and gaps.
	Butyl Tape	Side and end lap sealing of metal panels, roof vents and pipe flashing.
	Pipe Flashing	Round, square and retrofit configurations. Gray and black EPDM and red silicone.
		Many size options available.





Impax[™] self-drill

		Threads				
 Product	Diameter	per inch	Head style/drive	Washer*	Point	Lengths
#12-14 Impax SD3	#12	14	5/16" HWH	Bond seal	SD3	3/4" to 4"
1/4-14 Impax Lap	1/4"	14	5/16" HWH	Bond seal	SD1	7/8"
1/4-14 Impax SD2	1/4"	14	5/16" HWH	Bond seal	SD2	1-1/4" to 1-1/2"
1/4-14 Impax SD2	1/4"	14	3/8" HWH	Bond seal	SD2	1"
1/4-14 Impax SD3	1/4"	14	3/8" HWH	Bond seal	SD3	3/4" to 4"
 #12-24 Impax SD4.5	#12	24	5/16" HWH	Bond seal	SD4.5	1-1/4"
#12-24 Impax SD5	#12	24	5/16" HWH	Bond seal	SD5	1-1/4" to 2"
1/4-20 Impax SD5	1/4"	20	3/8" HWH	Bond seal	SD5	3" to 8"
#10-16 Impax Utility SD3	#10	16	5/16" HWH	Bond seal	SD3	3/4" to 1-1/2"
#8-18 Impax Utility SD2	#8	18	1/4" HWH	Bond seal	SD2	1/2" to 3/4"
	1					

^{*}Available without washer.



Impax[™] sealer self-drill

			Threads				
	Product	Diameter	per inch	Head style/drive	Washer	Point	Lengths
A-	#12-14 Impax sealer	#12	14	5/16" cupped HWH	EPDM	SD3	3/4" to 1-1/2"
	SD3				sealer		
Α.	1/4-14 Impax	1/4"	14	5/16" cupped HWH	EPDM	SD1	7/8"
	sealer lap				sealer		

Impax[™] 410 Stainless

		Threads				
 Product	Diameter	per inch	Head style/drive	Washer*	Point	Lengths
#12-14 410SS SD3	#12	14	5/16" HWH	Aluminum	SD3	1 to 1-1/2"
				bond seal		
 1/4-14 410SS Lap	1/4"	14	5/16" HWH	Aluminum	SD1	7/8"
				bond seal		

^{*}Available without washer.

ZAC® Impax™ self-drill and tapping

Zinc alloy cap that will never red rust

			Threads				
	Product	Diameter	per inch	Head style/drive	Washer	Point	Lengths
	#12-14 ZAC® SD3	#12	14	3/8" HWH zinc	EPDM	SD3	1" to 3"
				alloy capped	sealer		
HIHHHH							
		#12	14	5/16" HWH zinc	EPDM	SD3	1" to 2"
				alloy capped	sealer		
	#1/4-14 ZAC® Lap	1/4"	14	3/8" HWH zinc	EPDM	SD1	7/8"
_#=				alloy capped	sealer		
		1/4"	14	5/16" HWH zinc	EPDM	SD1	7/8"
				alloy capped	sealer		



ZAC[®] Impax[™] self-drill and tapping continued

Zinc alloy cap that will never red rust

	Product	Diameter	Threads per inch	Head style/drive	Washer	Point	Lengths
	#1/4-14 ZAC®	1/4"	14	3/8" HWH zinc	EPDM	SD2	1-1/4" to 1-1/2"
				alloy capped	sealer		
######################################		1/4"	14	5/16" HWH zinc	EPDM	SD3	1-1/4"
				alloy capped	sealer		
	#12-24 ZAC®	#12	24	3/8" HWH zinc	EPDM	SD4.5	1-1/4"
				alloy capped	sealer		
		#12	24	3/8" HWH zinc	EPDM	SD5	1-1/4" to 1-1/2"
				alloy capped	sealer		
	1/4-14 ZAC® AB	1/4"	14	3/8" HWH zinc	EPDM	Type AB	1" to 2-1/2"
WWW.				alloy capped	sealer	milled point	
	#17 ZAC® AB	#17	14	3/8" zinc alloy	EPDM	Type AB	1" to 1-1/2"
***************************************				capped	sealer		

MAC[™] Impax[™] Self-drill

304 stainless capped head

			Threads				
	Product	Diameter	per inch	Head style/drive	Washer	Point	Lengths
An.	#12-14 MAC SD3	#12	14	5/16" HWH	EPDM	SD3	1" to 2"
				stainless capped	sealer		
	1/4-14 MAC Lap	1/4"	14	5/16" HWH	EPDM	SD1	7/8"
				stainless capped	sealer		



Self-tapping

Available in carbon steel or 304 stainless steel

			Threads				
	Product	Diameter	per inch	Head style/drive	Washer*	Point	Lengths
minimini -	#14 Type A	#14	10	3/8" HH	Bond seal	Type A	3/4" to 6"
	1/4-14 Type B	1/4"	14	3/8" HH	Bond seal	Туре В	3/4" to 6"
	1/4-14 Type AB	1/4"	14	3/8" HH	Bond seal	Type AB	CS 3/4" to 1-1/2" SS 3/4" to 1-1/2"
	#17 Type AB	#17	14	3/8" HH	Bond seal	Type AB	CS 3/4" to 1-1/2" SS 3/4" to 1-1/2"

^{*}Available without washer.

Flex5® Grade 5

Selectively hardened alloy steel with Grade 5 performance

		Threads				
Product	Diameter	per inch	Head style/drive	Washer	Point	Lengths
10-16 Flex5® SD3	#10	16	5/16" HWH	_	SD3	3/4"
12-14 Flex5® SD3	#12	14	5/16" HWH	-	SD3	7/8" to 2"
1/4-14 Flex5® SD3	1/4"	14	3/8" HWH	-	SD3	1" to 2"
1/4-20 Flex5® SD4	1/4"	20	3/8" HWH	-	SD4	1-1/8" to 2-1/2"



Bi-Met 300®

304 stainless fastener with carbon steel point

	Product	Diameter	Threads per inch	Head style/drive	Washer	Point	Lengths
	1/4-14 Bi-Met 300® SD2	1/4"	14	3/8" HWH	-	SD2	1" to 2"
E (a	1/4-20 Bi-Met 300® SD4	1/4"	20	3/8" HWH	-	SD4	1-1/8" to 2"
	1/4-20 Bi-Met 300® SD5	1/4"	20	3/8" HWH	-	SD5	2" to 4"
m nnnmmx>	#10-16 Bi-Met 300® SD2	#10	16	5/16" HWH	-	SD2	3/4" to 1-1/2"
	#12-14 Bi-Met 300 [®] SD3	#12	14	5/16" HWH	_	SD3	1" to 2"
	#12-24 Bi-Met 300 [®] SD5	#12	24	5/16" HWH	_	SD5	1-1/2"
	#12-14 Bi-Met 300® pancake SD3	#12	14	#2 pancake	-	SD3	1"

BULB-TITE® Rivets

Product	Body	Head style/drill point	Substrate
9/32" BULB-TITE® Rivet	Aluminum body and mandrel	Dome head or large flange head	Steel or aluminum
 3/16" BULB-TITE® Rivet	Aluminum body and mandrel	Dome head	Steel or aluminum





Standing Seam Panel Fastening Solutions

Snap Lock Panel Clips

Broad selection of height, galvanized or stainless steel gauges, with or without sealant.



Fixed Panel Clips

Broad selection of height, galvanized or stainless steel gauges, with or without sealant.



Float Panel Clips

Broad selection of height, galvanized or stainless steel gauges, with or without sealant.





Standing Seam Panel Fastening Solutions

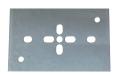
Specialty Clips

Butterfly, batten trim (spider), and Bermuda (wall) clips.



Bearing Plates

Snap lock and universal bearing plates in a variety of G-90 Galvanized steel gauges.





Metal to wood clip fasteners

	Product	Diameter	Threads per inch	Head style/drive	Point	Lengths
CITTE	#10 Type A Pancake	#10	12	Pancake #2 square	Type A	1" to 2"
(C++++++++++++++++++++++++++++++++++++	#10 Type A Pancake 304SS	#10	12	Pancake #2 square	Type A	1" to 2"
	#12 Type A Pancake	#12	11	Pancake #2 square	Type A	1"
	#12 XG Low Profile	#12	8	Wafer #2 square	Sharp point	1" to 2"
	#12 XG Pancake	#12	8	Pancake #2 square	Sharp point	1" to 2"
(#14 Dekfast	#14	13	Truss #3 Phillips	Reduced SD1	1-1/4" to 12"



Standing Seam Panel Fastening Solutions

Metal to metal clip fasteners

			Threads			
	Product	Diameter	per inch	Head style/drive	Point	Lengths
R	#10 Self-Drill	#10	16	Pancake #2 square	SD2	1" to 2"
	Pancake					
R	#12 Self-Drill	#12	14	Pancake #2 square	SD2	1"
	Pancake SD2					
	#12 Self-Drill	#12	24	Pancake #2 square	SD5	1-1/2"
	Pancake SD5					
_	1/4-14 Self-Drill	1/4"	14	3/8" HWH	SD2	1"
MININE	HWH SD2			5/16" HWH		1-1/4" to 1-1/2"
	#14 Dekfast	#14	13	Truss #3 Phillips	Reduced SD1	1-1/4" to 12"





Low Slope Roof Fastening Solutions

Dekfast[™] **Fasteners**

			Threads	Head style/	
	Product	Diameter	per inch	drive	Lengths
	#12 Dekfast	#12	13	#3 Phillips	1-5/8" to 8"
**************************************				truss	
	#14 Dekfast	#14	13	#3 Phillips	1-1/4" to 12"
				truss	
	#15 Dekfast	#15	13	#3 Phillips	2" to 16"
				truss	
•	#14 Stainless	#14	13	#3 Phillips	1-1/2" to 12"
in himminininininininininininininininininin	Dekfast			truss	
	(410SS)				

Specialty Fastening Solutions

			Threads	Head style/	
	Product	Diameter	per inch	drive	Lengths
	#12 Purlin	#12	24	Pancake #3	3-3/4" to 8-3/4"
9				square	
	#14 Insulation	#14	13	Flat #3 square	2-5/8" to 10"
1	Panel			pancake	
	Fastener				
A	Dekspike Structural	#14	_	1/2" Mushroom	1-1/4" to 14"
	Concrete Roof				
•	Anchor				
_6=	ZAC® Anchor	#14	24	3/8" HWH zinc	1-3/8"
	Termination			alloy capped	
	Fastener				
	Zinc Nailin	1/4"	_	Mushroom	1" to 2"
<u> </u>	Termination			head	
*	Fastener				
	TPR Peel Rivet	1/4"	_	Low profile	1-1/2" to 10"
				mushroom	
				head	



Low Slope Roof Fastening Solutions

Specialty Fastening Solutions continued

		Threads	Head style/	
Product	Diameter	per inch	drive	Lengths
 Deklite [™] Nylon	0.437"	4	Flat head 1/4"	2" to 13"
Reinforced			square drive	
 Fiberglass Auger				
Deklite [™] Round				2" seam plate
Stress Plate	3" insulation plate			
FI-R-20 Sleeve	0.591"	_	-	2-3/4" to 6-1/4"
Termination Bars	All pur	oose, singl	e lip, ribbed sing	le lip, ribbed flat, lip and ball



Low Slope Roof Fastening Solutions

Dekfast[™] Insulation Stress Plates

	Product	OD	ID	Thickness	Finish/material
TO H	2-7/8" Hex	2-7/8" Hex	0.270"	0.019"	AZ50 Galvalume®
	3" Round	3.0"	0.260"	0.019"	AZ50 Galvalume®
0	3" Round Plastic Lock	3.0"	0.260"	0.26"	Polypropolene
	isoweld® TPO	3.15"	0.260"	0.03"	G-90 steel with
		3.15"	0.625"	0.03"	proprietary adhesive
					coating
	isoweld® PVC	3.15"	0.260"	0.03"	G-90 steel with
		3.15"	0.625"	0.03"	proprietary adhesive
					coating

Dekfast™ Membrane Stress Plates

	Product	OD	ID	Thickness	Finish/material
	2" Round Barbed	2.0"	0.265" / 0.270"	0.032"	AZ55 Galvalume®
	2" Round Non-Barbed	2.0"	0.255"	0.032"	AZ55 Galvalume®
	2-3/8" Round Barbed	2-3/8"	0.250"	0.038"	AZ50 Galvalume®
MOD)	Oval Barbed	2.75"x1.50"	0.250"	0.047"	AZ50 Galvalume®

 $^{^*\}mbox{Galvalume}^{\mbox{\tiny @}}$ is a registered trademark of BIEC International, Inc.



isoweld® Induction Welding System

Why isoweld®

- Ultimate speed and agility The fastest weld
- Time-saving 1-step calibration
- Constant monitoring of abmient temperature and adjustment of weld parameters
- 3-way weld verification
- Plate-finding search function
- No "false positive" welds
- "x2" welding two membrane thickness

isoweld® 3000 stand-up tool



Tools include:

- 1 isoweld® 3000 stand-up tool
- 1 calibration template
- 5 replacement protective pads for inductor
- 1 instruction manual
- 1 transport case

isoweld® Backpack



Tools include:

- 1 induction welding tool isoweld® Backpack
- 1 calibration template
- 5 protective foils for inductor
- 1 instruction manual
- 1 hand-held inductor with cord straps
- 1 wired activation switch
- 1 adjustable handle
- 1 flexible handle adapter
- 1 transport case
- 5 replacement protective pads for inductor



isoweld® Induction Welding System

Stress plates

Plates with proprietary adhesive coatings uniquely designed for use with isoweld® on PVC and TPO membrane.



Fasteners

Use with isoweld® induction welding tools and applications approved by the roofing system manufacturer. Use with:

- #15 Dekfast
- # 12 Purlin
- TPR-L Peel Rivet



Low profile hand held inductor

Provides the same secure weld function in tight spaces, near rooftop protrusions and on parapet walls.



Magnets

A set of 12 specially designed isoweld® magnets, used for clamping and cooling of the weld. Detachable handles allow for use in tight areas and parapet walls. Supplied in their own shipping/storage case.







Architectural / Commercial Construction Fasteners

Facade Panel Attachment

	Product	Body	Head style/drive	Substrate
	SX3-D12	304SS or 316SS Bi-Metal	Dome head, T25W drive	Steel or aluminum
	SX3-D16	304SS Bi-Metal	Dome head, T25W drive	Steel or aluminum
	irius® SX3-L12	304SS Bi-Metal	irius® head, E420 irius® drive	Steel or aluminum
	TDA-S-D16	304SS with Type A Point	Dome head, T25W drive	Steel or aluminum
	10-12 Bi-Met 300® SD2	304SS Bi-Metal	Pan head, T20W drive	Steel or aluminum
3) mms	#12-16 ACM Screw	304SS	Flat head, T25W drive	Aluminum
	AP16 Rivet	Aluminum body, 304SS mandrel	Dome head	Aluminum furrings
	SSO-D15 Rivet	316SS body and mandrel	Dome head	Aluminum or steel furrings
STATISTICS OF	BULB-TITE® Rivet	Aluminum body and mandrel	Dome head	Steel or aluminum
• • • • • • • • • • • • • • • • • • •	TW-S-D12 Self-tapper TW-A4-D12	304SS 316SS	Dome head, T20W drive	Wood
	TU-S / TUF-S / TUC-S	316SS	_	Hidden attachment to the back of HPL, fiber cement or fiber concrete panels



Architectural / Commercial Construction Fasteners

Curtain Wall Solutions

	Product	Body	Head style/drill point	Substrate
	1/4-14 SD2 Bi-Met 300®	304SS Bi-Metal	3/8" HWH, SD2 point	Steel or aluminum
	1/4-20 SD4 Bi-Met 300®	304SS Bi-Metal	3/8" HWH, SD4 point	Steel or aluminum
	1/4-20 SD5 Bi-Met 300®	304SS Bi-Metal	3/8" HWH, SD5 point	Steel or aluminum
Omm	SX3	304SS Bi-Metal	5/16" HWH, SD2 point	Steel or aluminum
	SX5	304SS Bi-Metal	5/16" HWH, SD3 point	Steel or aluminum
	SX14	304SS Bi-Metal	5/16" HWH, SD5 point	Steel or aluminum
	Flex5® 10-16 SD3	Alloy steel, selectively hardened, grade 5 performance	5/16" HWH, SD3 point	Steel or aluminum
	Flex5® 12-14 SD3	Alloy steel, selectively hardened, grade 5 performance	5/16" HWH, SD3 point	Steel or aluminum
	Flex5® 1/4-14 SD3	Alloy steel, selectively hardened, grade 5 performance	3/8" HWH, SD3 point	Steel or aluminum
	Flex5® 1/4-20 SD4	Alloy steel, selectively hardened, grade 5 performance	3/8" HWH, SD4 point	Steel or aluminum



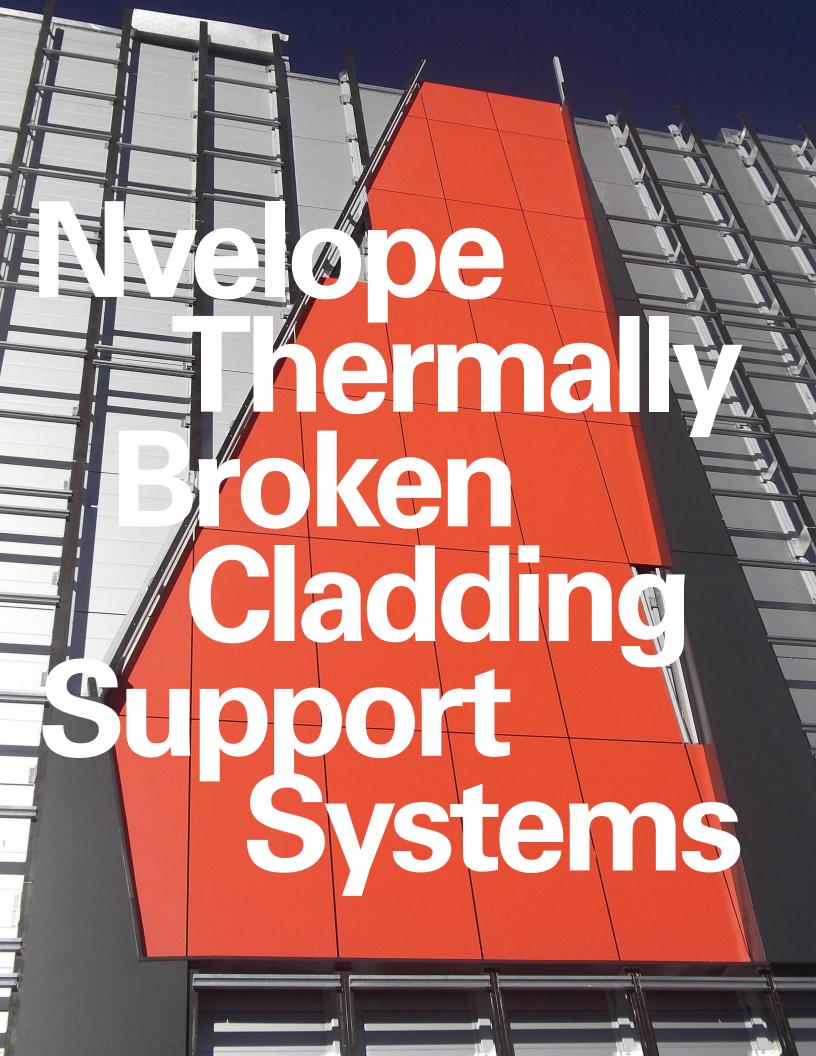
Architectural / Commercial Construction Fasteners

Insulated Metal Panel Attachment

	Product	Body	Head style/drill point	Substrate
	9/32" BULB-TITE® Rivet	Aluminum body and mandrel	Dome head or large flange head	Steel or aluminum
STILL S	3/16" BULB-TITE® Rivet	Aluminum body and mandrel	Dome head	Steel or aluminum
	SXC5 Self-drill	304SS Bi-Metal	5/16" HWH	Steel or wood
• w	SXC16 Self-drill	304SS Bi-Metal	5/16" HWH	Steel

Sub Frame Installation

	Product	Body	Head style/drill point	Substrate
[hummuniiii	1/4-14 SD2 Bi-Met 300®	304SS Bi-Metal	3/8" HWH, SD2 point	Steel or aluminum
	1/4-20 SD4 Bi-Met 300®	304SS Bi-Metal	3/8" HWH, SD4 point	Steel or aluminum
	1/4-20 SD5 Bi-Met 300®	304SS Bi-Metal	3/8" HWH, SD5 point	Steel or aluminum
(Junus	SDA5	316SS	5/16" HWH with SR2 internal drive, SD3 point	Aluminum
	SX3	304SS Bi-Metal	5/16" HWH, SD2 point	Steel or aluminum
	SX5	304SS Bi-Metal	5/16" HWH, SD3 point	Steel or aluminum
	SX14	304SS Bi-Metal	5/16" HWH, SD5 point	Steel or aluminum





NVELOPE Cladding Support Systems

Systems

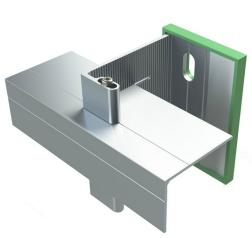
NV1 – Vertical Face Fastened System

Adjustable main support system for vertical rainscreen cladding applications. Mechanical face fastened panels.



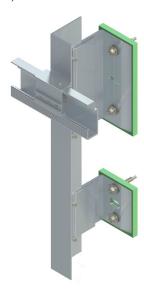
NH3 - Horizontally running rail system

Subframe system used to support vertical elements. Mechanical face fastened panels.



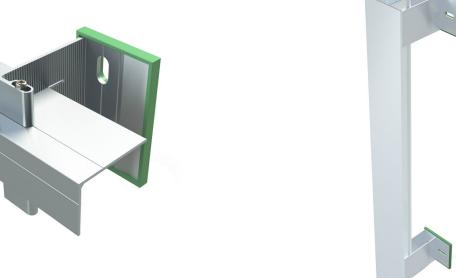
NV3 - Hidden Mechanical Fastened System

Adjustable system for hidden fastened applications. Cladding panels mechanically attached.



NVF2F - Floor to Floor Face Fastened System

Brackets and rails provide a vertical back frame system for floor to floor spanning.





NVELOPE Cladding Support Systems

Brackets

Single Vertical Bracket

For steel, wood, concrete or filled CMU substrates. sizes: 40 mm–300 mm



Double Vertical Bracket

For steel, wood, concrete or filled CMU substrates. sizes: 40 mm-300 mm



NH3 Horizontal Bracket

For steel, wood, concrete or filled CMU substrates. sizes: 75 mm–300 mm



Floor-to-Floor Bracket

For concrete floor slabs sizes: 72 mm-272 mm





NVELOPE Cladding Support Systems

NVELOPE Fasteners

	Application	Fastener description	Diameter	Length	
1	Bracket to steel	304SS bi-metal self-drill	#14	2"	
	substrate				
_/1	Bracket to wood	304SS bi-metal self-drill	#14	2-1/6"	
	substrate				
	Bracket to concrete	304SS bi-metal Type B	3/8"	3" or 4"	
	substrate				
	Bracket to concrete	304SS bi-met	3/8"	3-3/8"	
	masonry and brick				
	(only option for F2F)				
=	NV1 rail to rail /	316SS self-drill screw	#12	7/8"	
THE PROPERTY OF THE PROPERTY O	bracket to rail				
	NH3 rail to rail /	316SS self-drill screw	#12	1-3/4"	
	bracket to rail				
	NV3 hanger to rail panel	304SS bi-metal self-drill	#12	1-5/8"	
	locking				
	NV3 hanger to rail panel	304SS machine screw	M6	3/4"	
	adjustment				
	NV F2F Spigot to box	304SS bi-metal self drill	#14	1-1/8" to 2"	
		NV F2F fastener	kit includes M8 bolt, M8 w	rasher, Nylon M8 washer,	
		M8 nyloc nut			
000					





Offsite and Modular Construction

Products and Applications

Products

- Structural wood fasteners
- Thermally broken wall framing systems for continuous exterior insulation
- Exposed and concealed cladding fasteners
- Blind rivets
- Hinges
- Self-drilling fasteners
- Sealants and adhesives
- Fenestration and window installation fasteners

Services

- eLogistics
- Custom formed parts and development
- In-house structural and environmental testing
- Painting and custom color matching
- Expedited service options
- After sales service and technical support
- Private labeling and custom packaging
- National distribution locations

Applications

- Metal, wood and concrete substrates
- Drain back ventilated wall systems
- · Exposed and concealed fastened wall cladding
- Steep slope metal roofing
- Low slope single ply roofing
- Window and door assembly and installation
- MEP installations
- Basically, anything you dream to fasten together within the building envelope and interior

Automation

SFS is a world leader in automation and setting tool technology. Our experience in the automotive industry makes SFS the ideal solution provider for automated fastener installations in factory settings which:

- · Increase productivity
- Ensure accuracy
- Can be customized to customer requirements
- Optimize the entire value added chain

Fasteners for Cladding Attachment

	Fastener	Application	Diameter
	SX3-D12 stainless bi-metal	Ideal for cladding panels,	5.3 mm (0.209") stainless
\$ \$3333333355 \$ 1200 100 100 100 100 100 100 100 100 10	self-drill	(HPL, fiber cement, others) to	
		aluminum or steel	
<u> </u>	irius® SX3-L 12 stainless	Ideal for cladding panels,	5.3 mm (0.209") stainless
	bi-metal self-drill	(HPL, fiber cement, others) to	
•		aluminum or steel	
	AP16 aluminum rivet	Ideal for cladding panels	5 mm (0.190") aluminum and
	SSO-D15 stainless 316 rivet	(HPL, fiber cement, others) to	stainless
		aluminum, steel, or stainless	
		steel	
	ACM screw	Self-drilling and self-	5.4 mm (0.212") stainless
-000000-		countersinking. Ideal when	
		flush installation into ACM	
		facade panel is desired	



Offsite and Modular Construction

Fasteners for Cladding Attachment (continued)

	Fastener	Application	Diameter
	TW-S-D12 stainless self-tapping	Ideal for cladding panels (HPL,	4.8 mm to 5.8 mm (0.191"
	TDA-S-D16 stainless self-tapping	fiber cement, others) to wood,	to 0.228") stainless
		aluminum and light gauge	
		steel	
	TU/TUF/TUC hidden rivet	Attaches brackets, straps or	6 mm (0.236") stainless
	fastener	clips to the back (hidden) of	
		HPL, fiber cement, or fiber	
		concrete panels	

Structural Wood Fasteners

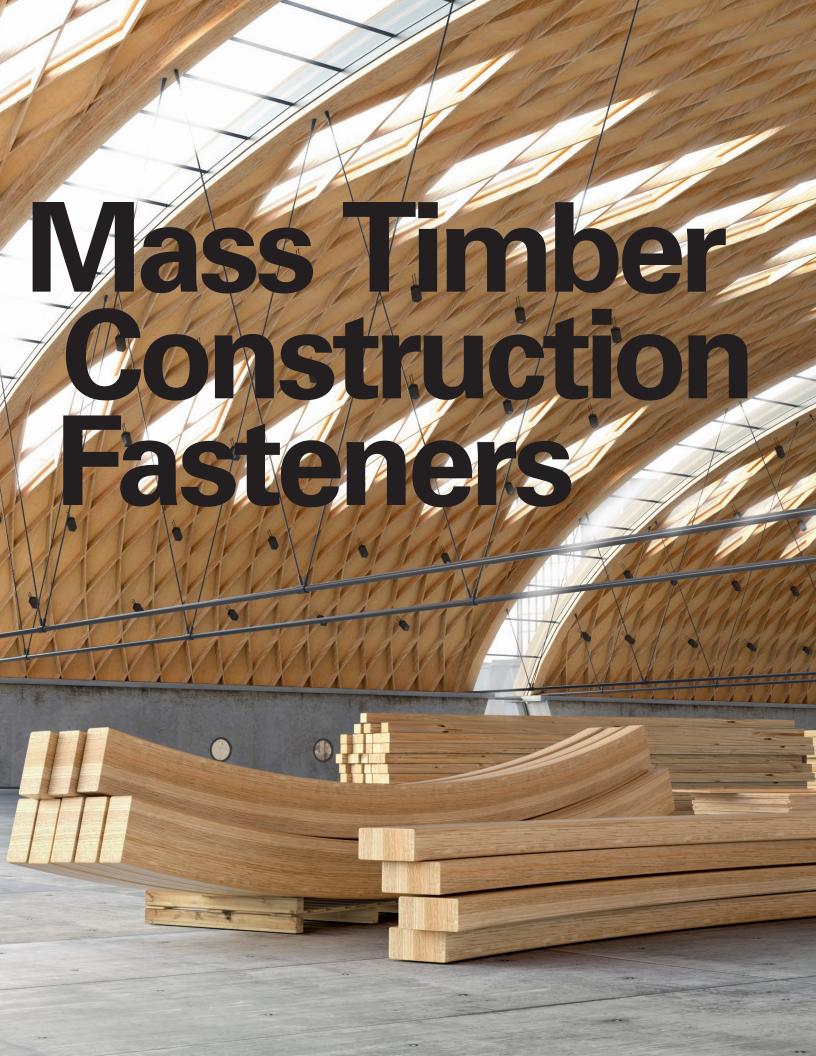
	Fastener	Application	Diameter
	HTP countersunk head,	Ideal for applications where	3.5 mm to 6 mm (0.138" to
30	full thread	high withdraw values are	0.236") carbon
4 1000000000000000000000000000000000000		required and when a flush	3.5 mm to 5 mm (0.138" to
		finish is desired	0.197") stainless
	HTP countersunk head,	Ideal for clamping force in	3.5 mm to 10 mm (0.138" to
16.	partial thread	applications where lateral	0.394") carbon
7)		loading is a determining factor	3.5 mm to 8 mm (0.138" to
		and when a flush finish is desired	0.315") stainless
	HTP flange head, full	Ideal for applications where high	6 mm to 10 mm (0.236" to
*	thread	withdraw values as well as high	0.394") carbon
1) minimum		fastener head pull-through values	6 mm to 8 mm (0.236" to
		are required	0.315") stainless
	HTP flange head, partial	Ideal for clamping force in	6 mm to 10 mm (0.236" to
N .	thread	applications where lateral loading	0.394") carbon
3000000		as well as fastener head pull-	6 mm to 8 mm (0.236" to
		through are determining factors	0.315") stainless
	CC cylindrical head	Lag system for joining members	4.5 mm to 8.2 mm (0.177"
G		in pre-fabrication or on-site	to 0.323") carbon
	WS self-drilling dowel, Cylindric countersunk head, T-drive, secondary thread	WS system for multiple shear plane steel-timber connections	7 mm (0.276") carbon



Offsite and Modular Construction

Metal to Metal Fasteners

	Fastener	Application	Diameter
	Impax carbon steel self-drill	Ideal for making basic metal-	4.2 mm to 6.3 mm
MINIMINI		to-metal connections with or	#8 to 1/4" (0.163" to 0.250")
		without sealing washers	
	Flex5® selectively hardened with	Ideal for critical curtain wall and	4.75 mm to 6.3 mm
Annum 1	grade 5 performances	rainscreen applications where	#10 to 1/4" (0.186" to 0.250")
Thuman and a second		dissimilar metals bring fastening	
		concerns	
	Bi-met 300® self-drill 304	Ideal for applications with high	1/4" (0.250") [6.3 mm]
Community	stainless with carbon steel point	potential for corrosion, or when	
		you just need the utmost	
		security and quality	
	TDBL self-tapping for structural	Ideal for blind fastening of steel	8 mm to 13 mm (0.315" to
	metal to metal connections	support structures where rear	0.512")
		side access to the support	
Bandatiti dale e a co		structure is limited, thus making	
THE REPORT OF THE PROPERTY OF		a nut and bolt connection	
September 1980		cumbersome. Replace nut and	
		bolt connections with a single	
		fastener that resists over-driving	
		and underwinding.	
	BULB-TITE® rivet for structural	Ideal for applications in need of	7.1 mm to 4.75 mm
	connections	tamper proof, vibration resistant	0.281" to 0.187" (9/32" to
		connection while also being	3/16")
		weather resistant	
	Blind rivet nut	Female thread anchors for	Internal thread diameter:
		ultimate clamp load in thin	M4 to M10
		sections. Various head and body	
		geometries available	





Timber Construction Fasteners

Fasteners

	Product	Application	Material	Thread	Diameter	Drive	Lengths
No.	HTP	Heavy timber	Carbon steel	Partial	1/4"	T30	2" to 11-3/4"
# 1 1 1 1 1 1 1 1 1	countersunk	connections		thread	5/16"	T40	3-1/8" to 19-5/8"
	head				3/8"	T40	3-1/8" to 19-5/8"
161	HTP	Heavy timber	304 stainless	Partial	3/16"	T20	1-1/4" to 4"
# 1000000	countersunk	connections	steel	thread	1/4"	T30	1-5/8" to 7-7/8"
	head				3/8"	T40	3-1/8" to 15-3/4"
[20]	HTP	Heavy timber	Carbon steel	Partial	1/4"	T30	3-7/8" to 11-3/4"
*	flange head	connections		thread	5/16"	T40	4-3/4" to 19-5/8"
					3/8"	T40	5-1/2" to 15-3/4"
	HTP	Heavy timber	304 stainless	Partial	3/8"	T40	5-1/2" to 11-3/4"
	flange head	connections	steel	thread			
9							
	HTP	Heavy timber	Carbon steel	Full	5/16"	T40	2-3/8" to 15"
*)	countersunk	connections		thread	3/8"	T40	4-3/4" to 15"
	head						
TEST .	HTP	Heavy timber	Carbon steel	Full	5/16"	T40	3-1/8" to 4-3/4"
()	flange head	connections		thread	3/8"	T40	3-1/8" to 4-3/4"
EF	HTP	Heavy timber	304 stainless	Full	5/16"	T40	3-1/8" to 4-3/4"
[])	flange head	connections	steel	thread			
(-	CC	Combination	Carbon steel	Double	1/4"	T30	3-7/8" to 8-7/16"
*,	cylindrical head	connection;		thread	5/16"	T40	3-7/8" to 15-3/4"
		double thread					
	WR	Wood	Carbon steel	Full	1/2"	T50	15-3/4" to 39-3/8"
9	countersunk	reinforcement		thread			
	head						
	WS	Wood through	Carbon steel	Under	1/4"	T40	2-7/8" to 9-1/8"
7,000	cylindrical	steel; self-drilling		head			
	countersunk head	dowel		threads			
TERROPORTORIO	WB headless	Wood bar	Carbon steel	Full	5/8"	_	118-1/8"
. 4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	threaded rod			thread	13/16"	_	118-1/8"
	VB special head	Timber concrete	Carbon steel	Partial	5/16"	external	6-1/8" to 8-5/8"
♦		composite		thread		T40	



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