

Rainscreen cladding catalogue
Innovative fastening systems
and application expertise

V2



Product index		1
Rainscreen cladding	<div><div>Primary fasteners</div><div>Insulation fasteners</div><div>Subframe fastening</div><div>Panel fastening</div><div>Ancillaries</div></div> <div><div>Corner bracket B / FAZ II / FBN II / FUR-SS FUR-FUS / FUR-US / SXR-T / SXR-FUS SXS-FUS</div><div>MDH / MDD</div><div>SW / SD / SLA / SX / SDA / ASO</div><div>AP / ASO / SSO / SLA-D12 / TW-S / TW-A4 SX / TU-S / GA / SCFW-S</div><div>SDS drill bits / HSS drill bits / EPDM Corner profiles / Ventilation profiles</div></div>	2
Tools and Accessoires	<div><div>Tools and accessories</div></div> <div><div>DI650 / SN-2 / HN 2-BT AccuBird® / PowerBird®</div></div>	3
	<div><div>Services and Business solutions</div><div><div>News for your success.</div></div></div>	4
	<div><div>Attachment</div></div>	5

Make life easier for yourself
with the complete spectrum of support from SFS intec.



Finely-honed fastening solutions are only one part of the comprehensive support package offered by SFS intec.

Whether it's a new build or restoration project, we support you all the way from the planning phase through to the construction phase, with a complete money-saving service package.

In **Chapter 4**, learn more about how working with SFS intec can make your job so much easier.

Innovative Business Solutions

By improving efficiencies all along the collaboration chain one can:

- reduce costs
- optimise processes
- transparent information flows

We are keen to work with you closely on your specific needs; developing optimum solutions for your particular requirements.



Business Solutions from SFS intec simply make life easier.










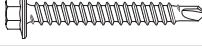




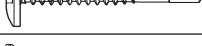





For more information see **Chapter 4**.


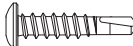



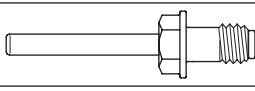




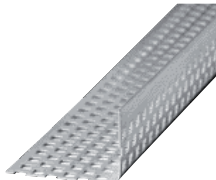
Important: Note for specifiers

The details stated are results of tests and/or calculations and therefore are non-binding and do not represent guaranties or warranted characteristics for not specified applications. All calculations therefore have to be checked and approved by the responsible planner ahead of execution. The user is responsible to assure compliance with all applicable laws and regulations.

1 Product index

Rainscreen cladding

Type		Material			Chapter
		Stainless steel	Carbon steel	Aluminium	
Corner bracket B		-	-	-	2
FAZ II		●	■	-	2
FBN II		●	■	-	2
FUR		●	■	-	2
SXR		●	■	-	2
SXS		●	■	-	2
MDH		-	-	-	2
MDD		-	-	-	2
SW-T		■	-	-	2
SW-T-H15		■	-	-	2
SD5-H15		■	-	-	2
SD5		■	-	-	2
SLA5		●	-	-	2
SX		●	-	-	2
SX-D12		●	-	-	2
SDA		●	-	-	2
ASO / AP / SSO		●	-	-	2
SLA-D12		●	-	-	2
TW-S TW-A4		●	-	-	2
EPDM		-	-	-	2

Type		Material			Chapter
		Stainless steel	Carbon steel	Aluminium	
SX-L12		●	-	-	2
SX3-D12		●	-	-	2
SX3-D10		●	-	-	2
GA-AS / GA-BS		●	-	-	2
SCFW		●	-	-	2
TU-S		●	-	-	2
PFS-K-Aluminium		-	-	▲	2
PFS-Q-Aluminium		-	-	▲	2
PFR-Aluminium		-	-	▲	2
PF-Z-Aluminium		-	-	▲	2
PV-Aluminium		-	-	▲	2

Type		Material			Chapter
		Stainless steel	Carbon steel	Aluminium	
Special nosepiece for SSO rivets		-	■	-	2
Special nosepiece for AP and ASO rivets		-	■	-	2
Handle for centered drill bit		-	■	-	2
Drill gauge for centered drill bit		-	■	-	2
SDS		-	■	-	2
Drill bit with depth locator		-	■	-	2
DI650		-	-	-	3
AccuBird®		-	-	-	3
PowerBird®		-	-	-	3
SN-2		-	-	-	3
HN 2-BT		-	-	-	3

2

Application	Product code	Page
Lining panel	Corner bracket B	► 2.2
Drill bits	SDS	► 2.3
Lining panel	FAZ II / FBN II	► 2.4
Universal plug	FUR-SS FUR-FUS FUR-US	► 2.6
Hollow brick, masonry	SXR-T / SXR-FUS SXS-FUS	► 2.8
Insulation Anchors	MDH / MDD	► 2.12



Corner bracket B



Technical information

Application

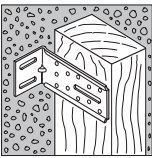
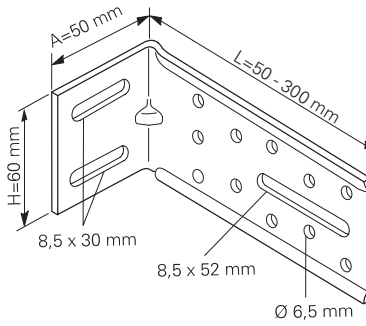
Corner bracket for fixing beams or metal structures to the support structure.

Fixing

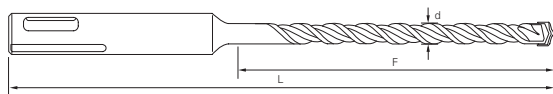
Fastener

- Corner bracket B
- Galvanised steel measuring 25/100 mm
- (in compliance with DX51D + Z
- according to EN 10142) Two-face lining
- in Z275

Order Code

Application	Product	B 50-T		KL	Application range
		Type	L		
	■ Carbon steel	B	50-T		 <p>Fixed width A of 50 mm Length L. variable from 50 to 300 mm Fixed height H of 60 mm</p> <p>8.5x30 mm and 8.5xL mm slot holes Holes dia Ø 6.5</p>
		B	60-T		
		B	70-T		
		B	80-T		
		B	90-T		
		B	100-T		
		B	110-T		
		B	120-T		
		B	130-T		
		B	140-T		
		B	150-T		
		B	160-T		
		B	170-T		
		B	180-T		
		B	190-T		
		B	200-T		
		B	210-T		
		B	220-T		
		B	230-T		
		B	240-T		
		B	250-T		
		B	260-T		
		B	270-T		
		B	280-T		
		B	290-T		
		B	300-T		

Order information



SDS Carbide-geometry
Dynamic, chisel-shaped drill bit head
Multi-fluted, spacious KVS-spiral
Unique KVS-flute design

d diameter | **L** Length | **F** working length | **All measures in mm**

Order code						F	Application range
SDS-	Type	d	L	F	Code		
8,0x 110/ 50- 4PLUS	SDS-	8,0x	110/	50-	4PLUS	50	FAZ II, FBN II, FUR, SXR, MDH
8,0x 160/ 100- 4PLUS	SDS-	8,0x	160/	100-	4PLUS	100	
8,0x 210/ 150- 4PLUS	SDS-	8,0x	210/	150-	4PLUS	150	
8,0x 260/ 200- 4PLUS	SDS-	8,0x	260/	200-	4PLUS	200	
10,0x 110/ 50- 4PLUS	SDS-	10,0x	110/	50-	4PLUS	50	FAZ II, FUR, SXR, SXS, MDD
10,0x 160/ 100- 4PLUS	SDS-	10,0x	160/	100-	4PLUS	100	
10,0x 210/ 150- 4PLUS	SDS-	10,0x	210/	150-	4PLUS	150	
10,0x 260/ 200- 4PLUS	SDS-	10,0x	260/	200-	4PLUS	200	
10,0x 310/ 250- 4PLUS	SDS-	10,0x	310/	250-	4PLUS	250	
12,0x 160/ 100- 4PLUS	SDS-	12,0x	160/	100-	4PLUS	100	FAZ II
12,0x 210/ 150- 4PLUS	SDS-	12,0x	210/	150-	4PLUS	150	
12,0x 260/ 200- 4PLUS	SDS-	12,0x	260/	200-	4PLUS	200	
12,0x 310/ 250- 4PLUS	SDS-	12,0x	310/	250-	4PLUS	250	
14,0x 600/ 550- 4PLUS	SDS-	14,0x	600/	550-	4PLUS	550	FUR
16,0x 210/ 150- 4PLUS	SDS-	16,0x	210/	150-	4PLUS	150	FAZ II
16,0x 310/ 250- 4PLUS	SDS-	16,0x	310/	250-	4PLUS	250	
16,0x 360/ 300- 4PLUS	SDS-	16,0x	360/	300-	4PLUS	300	
16,0x 450/ 400- 4PLUS	SDS-	16,0x	450/	400-	4PLUS	400	

FAZ II



Technical information

Application

Fixing the corner brackets of the beams or metal structures onto concrete.

Concrete C20/25 to C50/60 cracked and non-cracked

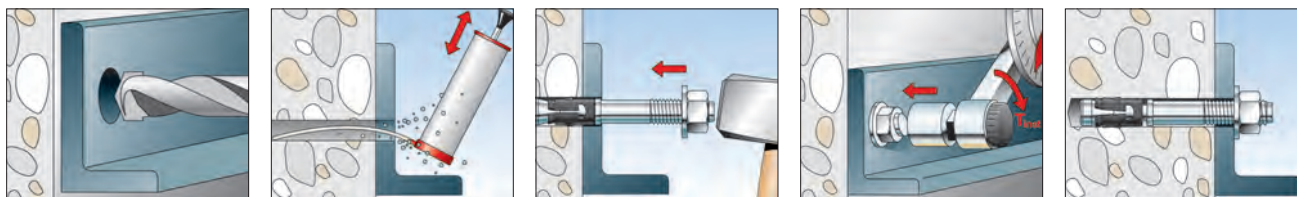
Concrete C12/15

Natural stone with dense structure

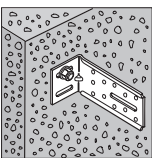
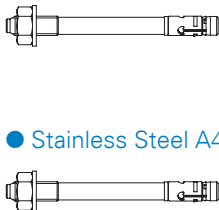
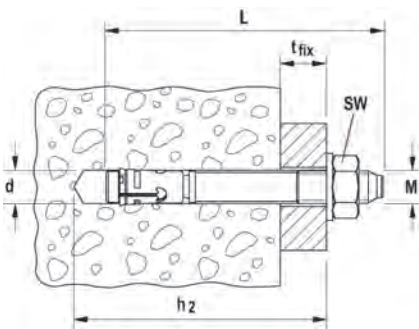
Material

Fastener

- Fastener FAZ II
- Zinc-plated steel
- Stainless steel



Order code

		FAZ II- 8,0x 75			t _{fix}	h ₂	Application range
Application	Product	Type	d	L			
 <ul style="list-style-type: none"> ■ Carbon steel ● Stainless Steel A4 		FAZ II- 8,0x 75	8,0x	75	10	65	 <p>Assembly recommendations: The metal fastener must be positioned in the upper slotted hole</p> <p>Fire resistance</p> <p>Drill bit for concrete: Ø 8mm: SDS4-Plus-8xL Ø 10mm: SDS4-Plus-10xL Ø 12mm: SDS4-Plus-12xL Ø 16mm: SDS4-Plus-16xL </p>
		FAZ II- 8,0x 75	8,0x	75	10	65	
		FAZ II- 10,0x 95	10,0x	95	10	85	
		FAZ II- 12,0x 110	12,0x	110	10	100	
		FAZ II- 16,0x 148	16,0x	148	25	135	

FBN II



Technical information

Application

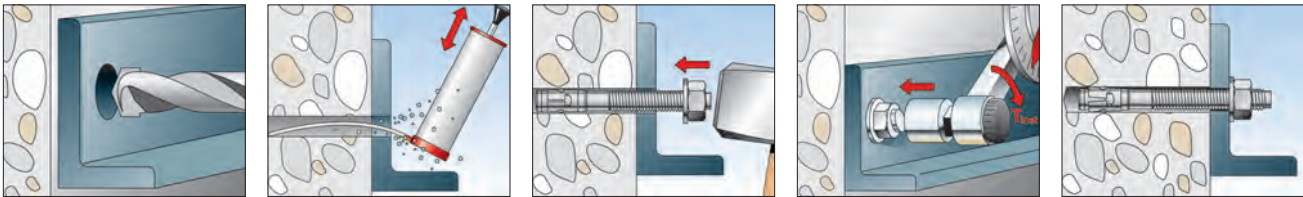
Fixing the corner brackets of the beams or metal structures onto concrete.

Recommended materials:
Concrete C20/25 to C50/60, non-cracked
Natural stone with dense structure

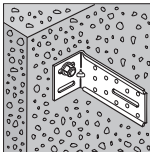
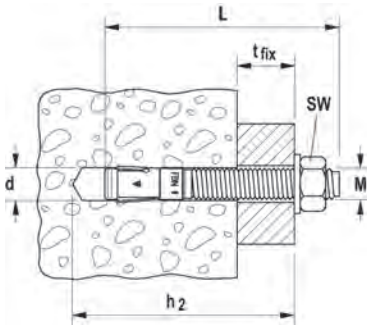

Material

Fastener

- Fastener FBN II
- Zinc-plated steel
- Stainless steel grade AISI 316



Order code

		FBN II- 8,0x 56-K			t _{fix}	h ₂	Application range	
Application	Product	Type	d	L				
	■ Carbon steel	FBN II- 8,0x 56-K	8	56	5	51		
	● Stainless steel A4	FBN II- 8,0x 56-K	8	56	5	51		
								
		Assembly recommendations: The metal fastener must be positioned in the upper slotted hole Fire resistance Drill bit for concrete: Ø 8mm: SDS4-Plus-8xL						

FUR



Technical information

Application

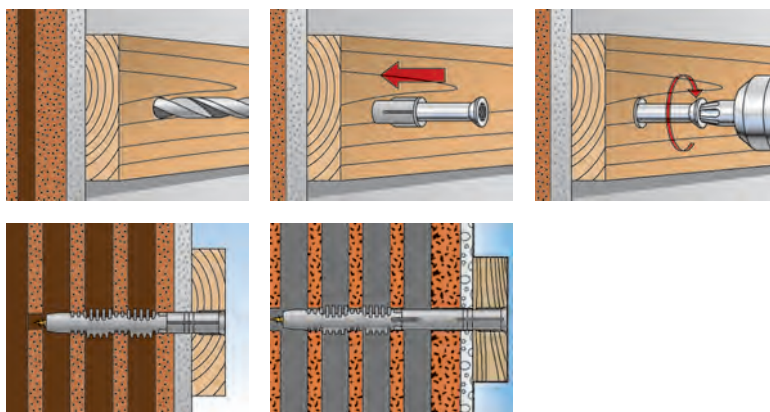
The user-friendly problem solver for a large range of building materials.

Anchoring facade structure of metal or timber:

- Concrete \geq C12/15
- Three layer composite exterior wall panels
- Lightweight aggregate concrete
- Vertically perforated brick
- Hollow block made from lightweight concrete
- Perforated sand-lime brick
- Solid sand-lime brick
- Solid block made from lightweight concrete
- Solid brick

Also suitable for:

- Natural stone with dense structure
- Solid panel made from gypsum



Material

Fastener

- FUR

Anchor sleeve:

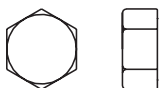
High value Polyamide

Screw:

Stainless steel, grade AISI 316
Zinc-plated steel

HD headform / drive

- Hexagon 10 mm / 13 mm A/F



- Hexagon 13 mm / 17 mm A/F



Tools and accessories

DB620



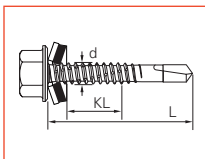

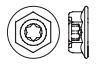
- Hammer drilling machine for pre-drilling concrete and masonry.

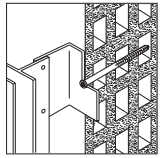

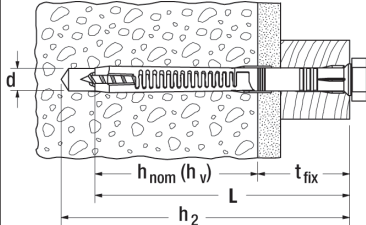
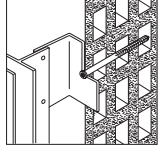
DI650



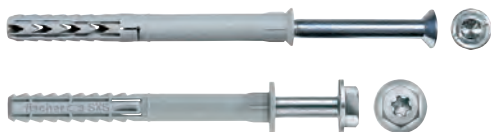
- Lightweight power screwgun for installing self drilling and self tapping fasteners.

Order information

	Hexagon 10 mm / 13 mm A/F 	Hexagon 13 mm / 17 mm A/F 	
VD max. penetration KL clamping length HD headform / drive W washer material and diameter d thread diameter L Length t thickness of structure t_{fix} max. usable length h₂ min. drill hole depth for through fixing All measures in mm			

Application	Product	Approval	Order code			t _{fix}	h ₂	Application range
			FUR- Type	8,0x d	80-SS L			
	Carbon steel 		FUR- 8,0x 80-SS	10	90	Anchoring depth h _{nom} min. 70 mm embedment  Drill bit for concrete: Ø 8mm: SDS4-Plus-8xL Ø 10mm: SDS4-Plus-10xL		
			FUR- 8,0x 100-SS	30	110			
			FUR- 8,0x 120-SS	50	130			
			FUR- 10,0x 80-SS	10	90			
			FUR- 10,0x 100-SS	30	110			
			FUR- 10,0x 115-SS	45	125			
			FUR- 10,0x 135-SS	65	145			
			FUR- 10,0x 160-SS	90	170			
			FUR- 10,0x 185-SS	115	195			
			FUR- 10,0x 200-SS	130	210			
			FUR- 10,0x 230-SS	160	240			
	Stainless Steel A4 		FUR- 8,0x 80-SS-A4	10	90	Anchoring depth h _{nom} min. 70 mm embedment  Drill bit for concrete: Ø 8mm: SDS4-Plus-8xL Ø 10mm: SDS4-Plus-10xL		
			FUR- 8,0x 100-SS-A4	30	110			
			FUR- 8,0x 120-SS-A4	50	130			
			FUR- 10,0x 80-SS-A4	10	90			
			FUR- 10,0x 100-SS-A4	30	110			
			FUR- 10,0x 115-SS-A4	45	125			
			FUR- 10,0x 135-SS-A4	65	145			
			FUR- 10,0x 160-SS-A4	90	170			
			FUR- 10,0x 185-SS-A4	115	195			
			FUR- 10,0x 200-SS-A4	130	210			
			FUR- 10,0x 230-SS-A4	160	240			
	Carbon steel 		FUR- 10,0x 80-FUS	10	90	Anchoring depth h _{nom} min. 70 mm embedment  Drill bit for concrete: Ø 10mm: SDS4-Plus-10xL Ø 14mm: SDS4-Plus-14xL		
			FUR- 10,0x 100-FUS	30	80			
			FUR- 14,0x 80-FUS	10	95			
			FUR- 14,0x 100-FUS	30	115			
			FUR- 14,0x 140-FUS	70	155			
			FUR- 14,0x 165-FUS	95	180			
			FUR- 14,0x 180-FUS	110	195			
			FUR- 14,0x 210-FUS	140	225			
			FUR- 14,0x 240-FUS	170	255			
			FUR- 14,0x 270-FUS	200	285			
			FUR- 14,0x 300-US	225	315			
			FUR- 14,0x 330-US	255	345			
			FUR- 14,0x 360-US	285	375			

SXR / SXS



Technical information

Application

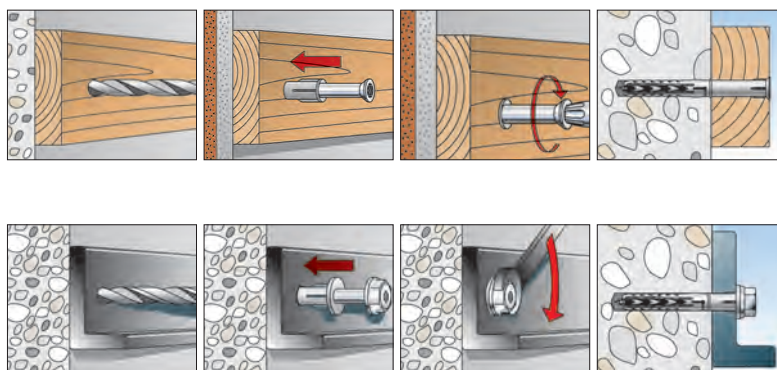
The economical all-rounder with European Technical Approval (ETA) for solid and hollow building materials.

Anchoring facade structure of metal or timber:

- Concrete \geq C12/15
- Vertically perforated brick
- Hollow block made from lightweight concrete
- Perforated sand-lime brick
- Solid sand-lime brick
- Aerated concrete
- Solid block made from lightweight concrete and normal weight concrete
- Solid brick
- Thermal insulation blocks

Also suitable for:

- Natural stone with dense structure
- Solid panel made from gypsum



Material

Fastener

- SXR

Anchor sleeve:

High value Polyamide

Screw:

Stainless steel, grade AISI 316
Zinc-plated steel

Drive:

TX = T30 / T40

HD headform / drive

- T30 / T40 recess



- Hexagon 13 mm A/F



Tools and accessories

DB620



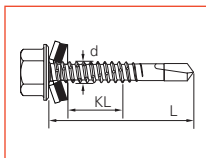
- Hammer drilling machine for pre-drilling concrete and masonry.

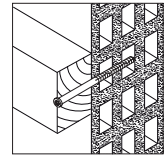


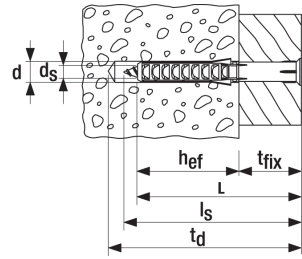
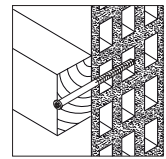


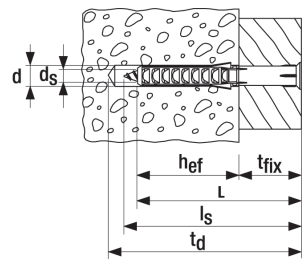
DI650



- Lightweight power screwgun for installing self drilling and self tapping fasteners.

Order information

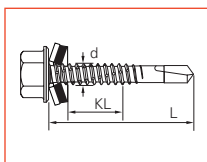
	T30 / T40	Hexagon 13 mm A/F	
VD max. penetration KL clamping length HD headform / drive W washer material and diameter d thread diameter L Length t thickness of structure t_{fix} max. usable length h₂ min. drill hole depth for through fixing All measures in mm			

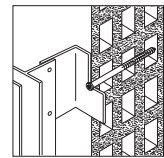

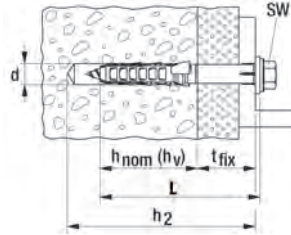
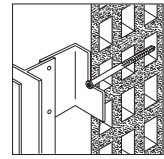

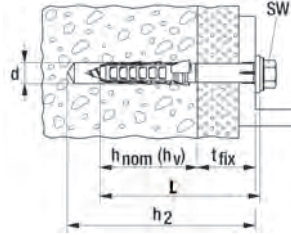
Application	Product	Approval	Order code			t _{fix}	h ₂	Application range
			Type	d	L			
	Carbon steel 		SXR- 10,0x 80-T			30	90	Anchoring depth h _{nom} min. 50 mm embedment 
			SXR- 10,0x 100-T			50	110	
			SXR- 10,0x 120-T			70	130	
			SXR- 10,0x 140-T			90	150	
			SXR- 10,0x 160-T			110	170	
			SXR- 10,0x 180-T			130	190	
			SXR- 10,0x 200-T			150	210	
			SXR- 10,0x 230-T			180	240	
			SXR- 10,0x 260-T			210	270	
	Stainless Steel A4 		SXR- 10,0x 80-T-A4			30	90	Anchoring depth h _{nom} min. 50 mm embedment 
			SXR- 10,0x 100-T-A4			50	110	
			SXR- 10,0x 120-T-A4			70	130	
			SXR- 10,0x 140-T-A4			90	150	
			SXR- 10,0x 160-T-A4			110	170	
			SXR- 10,0x 180-T-A4			130	190	
			SXR- 10,0x 200-T-A4			150	210	
			SXR- 10,0x 230-T-A4			180	240	
			SXR- 10,0x 260-T-A4			210	270	

Drill bit for concrete:
Ø 10mm: SDS4-Plus-10xL

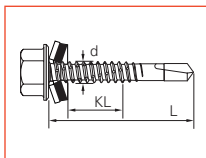
Drill bit for concrete:
Ø 10mm: SDS4-Plus-10xL

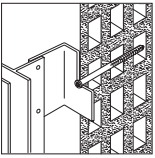


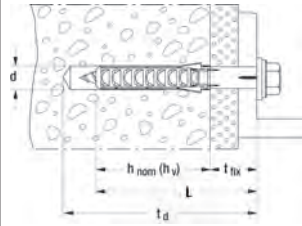
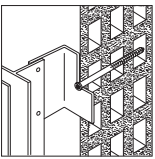


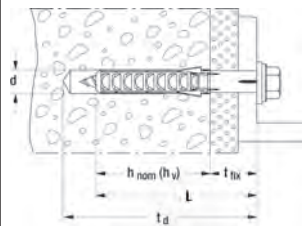
Order information

	T30 / T40	Hexagon 13 mm A/F	
VD max. penetration KL clamping length HD headform / drive W washer material and diameter d thread diameter L Length t thickness of structure t_{fix} max. usable length h₂ min. drill hole depth for through fixing All measures in mm			

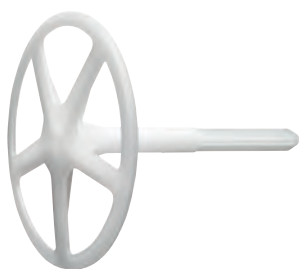
Application	Product	Approval	Order code		t _{fix}	h ₂	Application range
			SXR- 10,0x	60-FUS			
	Carbon steel 	CE	SXR- 10,0x	60-FUS	10	70	Anchoring depth h _{nom} min. 50 mm embedment  Drill bit for concrete: Ø 10mm: SDS4-Plus-10xL
			SXR- 10,0x	80-FUS	30	90	
			SXR- 10,0x	100-FUS	50	110	
			SXR- 10,0x	120-FUS	70	130	
			SXR- 10,0x	140-FUS	90	150	
			SXR- 10,0x	160-FUS	110	170	
			SXR- 10,0x	180-FUS	130	190	
			SXR- 10,0x	200-FUS	150	210	
			SXR- 10,0x	230-FUS	180	240	
			SXR- 10,0x	260-FUS	210	270	
	Stainless Steel A4 	CE	SXR- 10,0x	60-FUS-A4	10	70	Anchoring depth h _{nom} min. 50 mm embedment  Drill bit for concrete: Ø 10mm: SDS4-Plus-10xL
			SXR- 10,0x	140-FUS-A4	90	150	

Order information

	T30 / T40	Hexagon 13 mm A/F	
VD max. penetration KL clamping length HD headform / drive W washer material and diameter d thread diameter L Length t thickness of structure t_{fix} max. usable length h₂ min. drill hole depth for through fixing All measures in mm			

Application	Product	Approval	Order code			t _{fix}	t _d	Application range
			SXS- 10,0x	60-FUS	L			
	Carbon steel 		SXS- 10,0x	60-FUS		10	70	Anchoring depth h _{nom} min. 50 mm embedment  Drill bit for concrete: Ø 10mm: SDS4-Plus-10xL
			SXS- 10,0x	80-FUS		30	90	
			SXS- 10,0x	100-FUS		50	110	
			SXS- 10,0x	120-FUS		70	130	
			SXS- 10,0x	140-FUS		90	150	
			SXS- 10,0x	160-FUS		110	170	
			SXS- 10,0x	180-FUS		130	190	
	Stainless Steel A4 		SXS- 10,0x	60-FUS-A4		10	70	Anchoring depth h _{nom} min. 50 mm embedment  Drill bit for concrete: Ø 10mm: SDS4-Plus-10xL
			SXS- 10,0x	80-FUS-A4		30	90	
			SXS- 10,0x	100-FUS-A4		50	110	
			SXS- 10,0x	120-FUS-A4		70	130	
			SXS- 10,0x	140-FUS-A4		90	150	
			SXS- 10,0x	160-FUS-A4		110	170	
			SXS- 10,0x	180-FUS-A4		130	190	

MDH



Technical information

Application

Pressure-resistant insulating materials, mineral wool, glass wool

- For general purpose use in soft insulation
- Suitable for all substrates
- Suitable for insulation thickness up to 210 mm
- Through fixing
- Do not use for overhead fixing

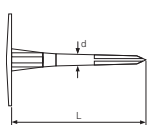
Material

Insulation anchor

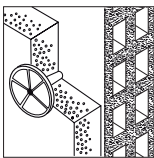
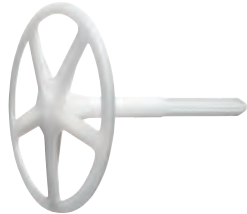
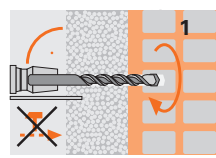
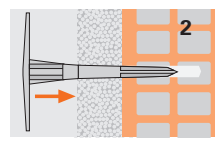
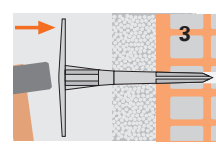
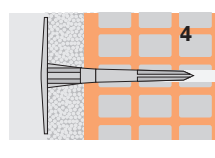
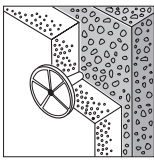
■ MDH Ø 90 mm

Plug: Plastic

Order information



d diameter | L overall length | SD Setting depth | All measures in mm

		Order code				
		MDH- 8,0x 60				
Applications	Product	Type	d	L	SD	Application range
	<div>● Plastic</div> 	MDH-	8,0x	60	20	    <div>1. Drill a pilot hole 2. Set plug until head lies flush on insulation 3. Use a hammer for installation 4. MDH has to be hammered precisely onto insulation</div>
		MDH-	8,0x	80	20	
		MDH-	8,0x	100	20	
		MDH-	8,0x	120	20	
		MDH-	8,0x	140	20	
		MDH-	8,0x	160	20	
		MDH-	8,0x	180*	30	
		MDH-	8,0x	200*	30	
		MDH-	8,0x	220*	30	
		MDH-	8,0x	240*	30	
		* two pieces				

MDD



Technical information

Applications

Pressure-resistant insulating materials, polyurethane rigid foam panels, polystyrenes, mineral wools

- For general purpose use in hard and soft insulation pads
- Suitable for all substrates
- Anchor of insulation thickness up to 170 mm
- Do not use for overhead fixing
- with glass fibre reinforced plastic pin
- Resistant to cold and heat
- Through fixing

Material

Fastener

■ MDD

Plug: Polyamide

Thorn: Polyamide

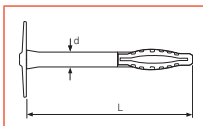
Disc

■ MDD-VS:

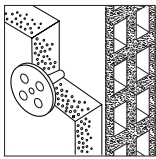

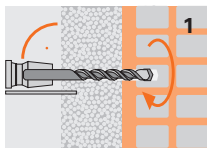
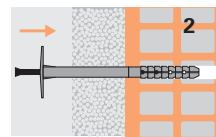
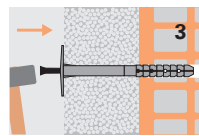
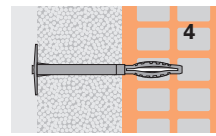
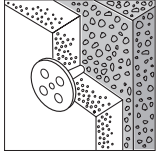
Disc for MDD Ø 90 mm

Polyamide

Order information



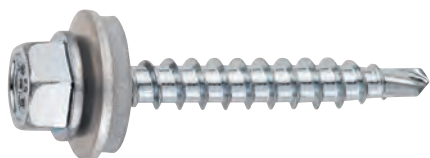
d diameter | L overall length | SD Setting depth | All measures in mm

		Order code				
		MDD- 10,0x 70				
Applications	Product	Type	d	L	SD	Application range
	<div>● Plastic</div> 	MDD- 10,0x 70		70	40	    <p>1. Drill a pilot hole 2. Set plug until head lies flush on insulation 3. Drive-in the nail with a hammer 4. Nail has to be hammered precisely into the head</p>
		MDD- 10,0x 90		90	40	
		MDD- 10,0x 110		110	40	
		MDD- 10,0x 130		130	40	
		MDD- 10,0x 150		150	40	
		MDD- 10,0x 180		180	40	
		MDD- 10,0x 210		210	40	

Application	Product code	Page
Steel substructure	SW-T SW3-T-H15 / SD SD-H15	► 2.16
Aluminium framework	SLA / SX / SDA ASO	► 2.20



SW-T / SW3-T-H15



Technical information

Application

Fastening profile steel sheeting to timber structure in one operation.

Material

Fastener

- SW-T
Plated carbon steel, case hardened
 - SW-H15
Plated carbon steel, case hardened
- 15 mm diameter flange head**

HD headform / drive

- Hexagon 8 mm A/F



Tools and accessories

DI650



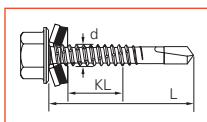

- Lightweight power screwgun for installing self drilling and self tapping fasteners.

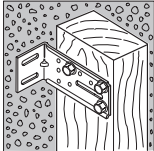


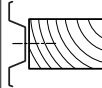
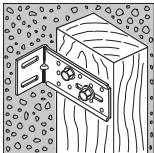
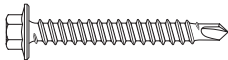


E480



- The E480 setting tool is recommended for installing self drilling fasteners with the hexagon head.

Order information

	Hexagon 8 mm A/F 	
VD max. penetration KL clamping length HD headform / drive W washer material and diameter d thread diameter L Length t thickness of structure All measures in mm		

			Order code					
			SW-T-		4,8x	35		
Application	Product	Approval	Type	HD	d	L	KL	Application range
	<div>■ Carbon steel</div>  <div></div>		SW-T-		4,8x	35		<div><div>VD max. steel: 1 x 1,0 mm 3 x 0,75 mm</div><div>Assembly recommendations: 3 x SW-T-4,8x35 for long hole Ø 6,5 mm</div></div>
	<div>■ Carbon steel</div>  <div></div>		SW3-T-	H15-	6,5x	50		<div><div>VD max. steel: 2 x 1,25 mm</div><div>Assembly recommendations: 1 x SW3-T-H15-6,5x50 for long hole 1 x SW-T-4,8x35 for normal hole</div></div>

SD / SD-H15



Technical information

Application

Fastening profile steel sheeting to steel in one operation: drilling, thread forming and sealing.

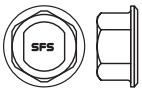
Material

Fastener

- SD
Plated carbon steel, case hardened
 - SD-H15
Plated carbon steel, case hardened
- 15 mm diameter flange head**

HD headform / drive

- Hexagon 8 mm A/F



Tools and accessories

DI650



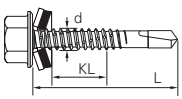
- Lightweight power screwgun for installing self drilling and self tapping fasteners.

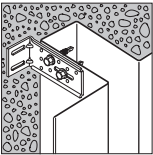
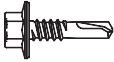


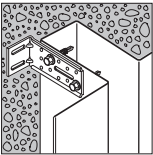



E480



- The E480 setting tool is recommended for installing self drilling fasteners with the hexagon head.

Order information

	Hexagon 8 mm A/F	
VD max. penetration KL clamping length HD headform / drive W washer material and diameter d thread diameter L Length t thickness of structure All measures in mm		

Application	Product	Approval	Order code					KL	Application range
			SD	5-	H15-	5,5x	22		
	Carbon steel  		SD	5-	H15-	5,5x	22	10	 VD max. steel: 5,0 mm t min. steel: 1,5 mm Assembly recommendations: 1 x SD5-H15-5,5x22 for long hole 1 x SD5-5,5x25 for normal hole
	Carbon steel  		SD	5-		5,5x	25	12	 VD max. steel: 5,0 mm t min. steel: 1,5 mm Assembly recommendations: 2 x SD5-5,5x25 for normal hole

SLA / SX / SDA / ASO



Technical information

Application

Fastening aluminium framework and steel framework together within over cladding and curtain wall applications.

Material

Fastener

- SLA / SDA
Austenitic stainless steel, grade AISI 316 (European Standard 1.4578)
- SX
Austenitic stainless steel, grade AISI 304 (European Standard 1.4301) or grade AISI 316 (European Standard 1.4401) on request
- ASO
Body: Aluminium AlMg3
Mandrel: Stainless steel 1.4541

Washer

- **S** = Stainless steel, grade AISI 304 (European Standard 1.4301)
- **A** = Aluminium with vulcanised EPDM

Drill point and lead thread section

- Case hardened, special carbon steel for SX products
- milled drill point

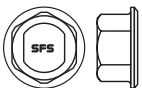
Coloured fastener



Coloured fasteners available
Colour heads are achieved through powder coating

HD headform / drive

- Hexagon 8 mm A/F
- Low profile Ø 12 mm



Tools and accessories

DI650



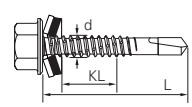

- Lightweight power screwgun for installing self drilling and self tapping fasteners.

E480

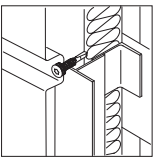
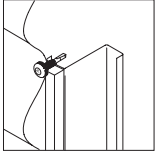

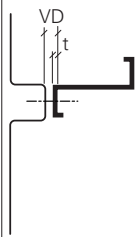
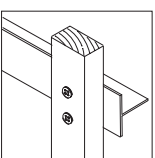
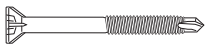


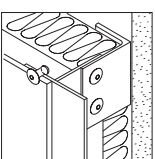
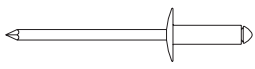
- The E480 setting tool is recommended for installing self drilling fasteners with the hexagon head.

Order information

	Hexagon 8 mm A/F	Low profile Ø 12 mm		Coloured fastener	W: Washer material S Stainless Steel A Aluminium
VD max. penetration KL clamping length HD headform / drive W washer material and diameter d thread diameter L Length t thickness of structure All measures in mm					

			Order code											
			SLA	5/	6-	S4-	W*	6,0x	19					
Application	Product	Approval	Type	VD	KL	HD		d	L	KL		Application range		
	● Stainless steel A4		SLA	5/4-	6-	S4-		6,0x	19	4	-	6	<div>VD max. alu: 5,0 mm</div> <div>t min. alu: 1,8 mm</div>	
			SLA	5/6-	8-	S4-		6,0x	21	6	-	8		
For aluminium framework only														
	● Stainless steel	<div>CE₁₀ ETA-10/0198</div> <div>DTU 40.35 40.36</div>	SX	3/	9-		S16-	6,0x	29	9	<div>VD max. steel: 3,0 mm</div> <div>t min. steel: 2 x 0,63 - 0,9 mm</div> <div>t max. steel: 2,5 mm</div> <div>t min. alu: 2,0 mm</div>			
	● Stainless steel	<div>CE₁₀ ETA-10/0198</div> <div>DTU 40.35 40.36</div>	SX	5/	8-		S16-	5,5x	31	8	<div>VD max. steel: 5,0 mm</div> <div>t min. steel: 1,5 mm</div> <div>t max. steel: 4,0 mm</div> <div>t min. alu: 2,0 mm</div> <div>t max. alu: 4,0 mm</div>			
	● Stainless steel		SX	5/	12-	D12-		5,5x	35	12	<div></div> <div>VD max. steel: 5,0 mm</div> <div>t min. steel: 1,5 mm</div> <div>t max. steel: 4,0 mm</div> <div>t min. alu: 2,0 mm</div> <div>t max. alu: 4,0 mm</div>			
Bit: T25W														

Application	Product	Approval	Order code								KL	Application range
			SX	5/	12-	D12-	A12-	5,5x	35			
 	<p>● Stainless steel</p> 	<p>CE₁₀ ETA-10/0198</p>	SX	5/	12-	D12-	A12-	5,5x	35		12	 <p>VD max. steel: 5,0 mm VD max. alu: 5,0 mm</p> <p>t min. steel: 1,5 mm t max. steel: 4,0 mm</p> <p>t min. alu: 2,0 mm t max. alu: 4,0 mm</p> <p>Bit: T25W</p>
	<p>● Stainless steel A4</p> 		SDA	3/	25-40-	S4-	S10/SR2-	4,8x	48		25 - 40	<p>VD max. alu: 3,0 mm</p> <p>Timber batten to aluminium</p>

Application	Product	Approval	Order code			KL min. max.	d x L	Application range
			ASO-	D11-	50080			
	<p>▲ Aluminium</p> 	<p>KIT Klebefastener Institut für Technologie</p>	ASO-	D11-	50080	2,0 - 4,0	5,0 x 8,0	Head diameter D: 11,0 mm
			ASO-	D14-	50120	5,0 - 9,5	5,0 x 12,0	Head diameter D: 14,0 mm
								Pilot hole: Ø 5,1 mm

Application	Product code	Page
High performance cladding to aluminium and steel framework	AP / ASO / SSO	► 2.24
Aluminium framework	SLA-D12	► 2.27
Non metallic high performance cladding panel to timber batten	TW-S / TW-A4	► 2.29
Sealing joint	EPDM	► 2.31
Steel substructure	SX	► 2.32
Special aesthetical fastening	GA-AS GA-BS	► 2.34
Non metallic high performance cladding panel to timber batten	SCFW-S	► 2.36
Blind fastening of HPL-cladding panels	TU-S	► 2.38



AP / ASO / SSO



Technical information

Application

Face fixing of high performance cladding panel to aluminium and steel framework.

Material

Rivet

■ AP

Body: Aluminium AIMg5

Mandrel: Stainless steel 1.4541

■ ASO

Body: Aluminium AIMg3

Mandrel: Stainless steel 1.4541

Rivet

■ SSO

Body: Stainless steel 1.4578

Mandrel: Stainless steel 1.4571

Coloured fastener



Coloured fasteners available
Colour heads are achieved
through powder coating

Tools and accessories

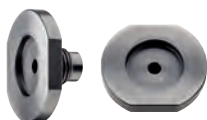
AccuBird®



- For standard blind rivets 2 - 5 mm and for BULB-TITE® rivets 4 - 6,3 mm.



- Special nosepiece for AP, ASO rivets. Fits to AccuBird® and PowerBird®.



- Special nosepiece for SSO rivets. Fits to AccuBird® and PowerBird®.



- Special aluminium fixpoint sleeve
Order code: FP-A-7,9x6
FP-A-8,4x6
FP-A-9,4x6

HN 2-BT



- Including 4 rivet nozzles.
For rivet diameter: 3,0 - 5,0 mm.



- Handle for centered drill bit
Ø 5,1 mm.

SN-2

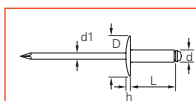


- Including 4 rivet nozzles.
For rivet diameter: 4,0 - 6,0 mm.



- Drilling gauge for centered drill holes including drill bit Ø 5,1 mm.
Replaceable top pieces with different diameters available.
Order code: DG-146x20-7,0
DG-146x20-8,0
DG-146x20-9,0
DG-146x20-10,0

Order information



Coloured fastener

HD headform / drive | KL Grip range | d x L diameter / length | t thickness of structure | All measures in mm


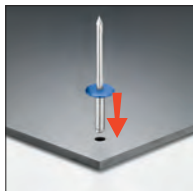
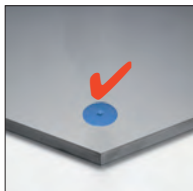
Application	Product	Order code		KL min. max.	d x L	Application range
		AP11- Type	50120-S HD Code			
	▲ Aluminium	AP11-	50120-S	4,0 - 8,0	5,0 x12,0	To use with aluminium sub-construction only Head diameter D: 11,0 mm Pilot hole: Ø 5,1 mm
		AP11-	50180-S	9,5 - 13,5	5,0 x18,0	
	▲ Aluminium	AP14-	50120-S	4,0 - 8,0	5,0 x12,0	To use with aluminium sub-construction only Head diameter D: 14,0 mm Pilot hole: Ø 5,1 mm
		AP14-	50160-S	8,0 - 12,0	5,0 x16,0	
		AP14-	50180-S	9,5 - 13,5	5,0 x18,0	
		AP14-	50210-S	12,0 - 16,0	5,0 x21,0	
		AP14-	50230-S	14,0 - 18,0	5,0 x23,0	
	▲ Aluminium	AP16-	50160-S	8,0 - 12,0	5,0 x16,0	To use with aluminium sub-construction only Head diameter D: 16,0 mm Pilot hole: Ø 5,1 mm
		AP16-	50180-S	9,5 - 13,5	5,0 x18,0	
		AP16-	50210-S	12,5 - 16,5	5,0 x21,0	
	▲ Aluminium	ASO- D11-	50080	2,5 - 4,5	5,0 x 8,0	To use with aluminium sub-construction only Head diameter D: 11,0 mm Pilot hole: Ø 5,1 mm
		ASO- D11-	50100	4,5 - 6,0	5,0 x10,0	
		ASO- D11-	50120	6,0 - 8,0	5,0 x12,0	
		ASO- D11-	50140	8,0 - 10,0	5,0 x14,0	
		ASO- D11-	50160	10,0 - 12,0	5,0 x16,0	
		ASO- D11-	50180	12,0 - 14,0	5,0 x18,0	
		ASO- D11-	50200	14,0 - 16,0	5,0 x20,0	
	▲ Aluminium	ASO- D14-	50080	2,5 - 4,5	5,0 x 8,0	To use with aluminium sub-construction only Head diameter D: 14,0 mm Pilot hole: Ø 5,1 mm
		ASO- D14-	50100	4,5 - 6,0	5,0 x10,0	
		ASO- D14-	50120	5,0 - 9,5	5,0 x12,0	
		ASO- D14-	50140	8,0 - 10,0	5,0 x14,0	
		ASO- D14-	50160	10,0 - 12,0	5,0 x16,0	
		ASO- D14-	50180	12,0 - 14,0	5,0 x18,0	
	● Stainless steel A4	SSO- D15-	50140-A4	6,0 - 9,5	5,0 x14,0	To use with aluminium, steel and stainless steel sub-constructions Head diameter D: 15,0 mm Pilot hole: Ø 5,1 mm
		SSO- D15-	50180-A4	9,0 - 13,5	5,0 x18,0	
		SSO- D15-	50220-A4	13,0 - 18,0	5,0 x22,0	

Order information



d diameter | L Length | f flute length | t thickness of structure | All measures in mm

Example order code
DG- 146x20 7,0

Type	L	Nose	Application range
DG-	146x20-	7,0	  
DG-	146x20-	8,0	
DG-	146x20-	9,0	
DG-	146x20-	10,0	

Can be used with all cordless screw drivers available on the market.

Tools and accessories



Nose Ø 7 mm
Hole
7 - 7,9 mm



Nose Ø 8 mm
Hole
8 - 8,9 mm



Nose Ø 9 mm
Hole
9 - 9,9 mm

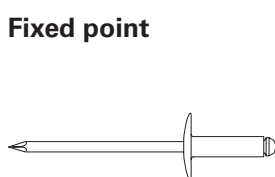


Nose Ø 10 mm
Hole
10 - 10,9 mm

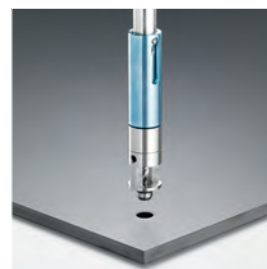
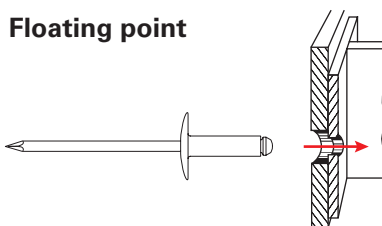


Drill bit Ø 5,1 mm
length 110 mm

Fixed point



Floating point



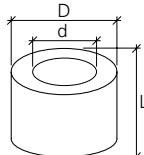
Fixed-point sleeves:

Order code : **FP-A-9,4 x 6**

- Uniform pilot drilling diameter for all pilot holes in a cladding panel
- Very flexible definition of the fixed points: can be done on-site
- Longevity of the fixed-point sleeves as a result of using aluminium

Material: Aluminium

Dimensions: L = 6,0 mm
D = 9,4 mm
d = 5,1 mm



Tools and accessories can be found in chapter 3

SLA-D12



Technical information

Application

Selfdrilling fastener for aluminium composite panels to aluminium framework.

Material

Fastener

- SLA-D12
Austenitic stainless steel, grade
AISI 304 (European Standard
1.4301)

Coloured fastener



Coloured fasteners available
Colour heads are achieved
through powder coating

HD headform / drive

- Low profile Ø 12 mm



Tools and accessories

DI650



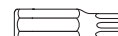
- Lightweight power screwgun for installing self drilling and self tapping fasteners.

ZA 1/4"



- Universal socket to adapt different bits.

T20W Bit



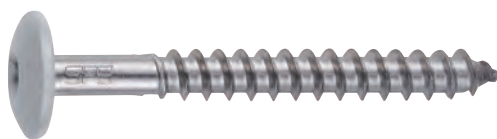
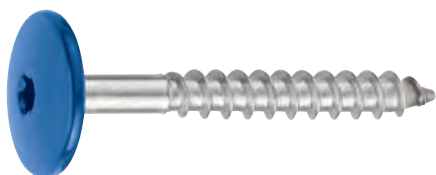
- Special T20 wedge bit for perfect fit on SFS intec painted fastener.

Order information

	Low profile Ø 12 mm 	Coloured fastener	
VD max. penetration KL clamping length HD headform / drive W washer material and diameter d thread diameter L Length t thickness of structure All measures in mm			

Application	Product	Order code							KL	Application range
		SLA	3/	6-	S-D12-	4,8x	19			
	● Stainless steel 	SLA	3/	6-	S-D12-	4,8x	19		6	<div>VD max. alu: 3,0 mm</div> <div>For aluminium framework only 4 mm aluminium composite on 2 mm aluminium profile Bit: T20W</div>

TW-S / TW-A4



Technical information

Application

Non metallic high performance cladding panel to timber batten.

Material

Fastener

- TW-S
Austenitic stainless steel, grade
AISI 304 (European Standard
1.4567) with powder coated colour
finish.
- TW-A4
Austenitic stainless steel, grade
AISI 316 (European Standard
1.4578)

Washer

- S = Stainless steel, grade AISI 304
(European Standard 1.4301) with
vulcanised EPDM

Coloured fastener



Coloured fasteners available
Colour heads are achieved
through powder coating

HD headform / drive

- Low profile Ø 12 mm



- Low profile Ø 14 mm



- Low profile Ø 16 mm



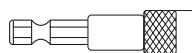
Tools and accessories

DI650



- Lightweight power screwgun for in-
stalling self drilling and self tapping
fasteners.

ZA 1/4"



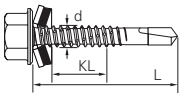

- Universal socket to adapt
different bits.

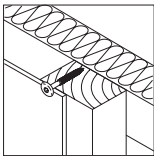
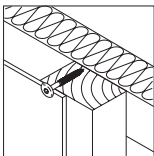
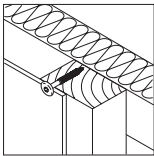
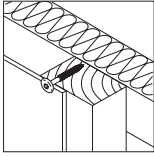
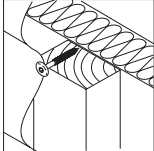
T20W Bit



- Special T20 wedge bit for perfect fit
on SFS intec painted fastener.

Order information

	Low profile Ø 12 mm	Low profile Ø 14 mm	Low profile Ø 16 mm		Coloured fastener
VD max. penetration KL clamping length HD headform / drive W washer material and diameter d thread diameter L Length t thickness of structure All measures in mm					

		Order code							
		TW-S-	D12-	4,8x 25					
Application	Product	Type	HD	W*	d	L	KL	Application range	
	● Stainless steel	TW-S-	D12-		4,8x	25		Bit: T20W	
		TW-S-	D12-		4,8x	30			
		TW-S-	D12-		4,8x	38			
		TW-S-	D12-		4,8x	44			
		TW-S-	D12-		4,8x	60			
	● Stainless steel	TW-S-	D14-		4,8x	38		Bit: T20W	
		TW-S-	D14-		4,8x	55			
	● Stainless steel	TW-S-	D16-		4,8x	38		Bit: T20W	
	● Stainless steel A4	TW-A4-	D12-		4,8x	38		Bit: T20W	
	● Stainless steel	TW-S-	D12-S12-		4,8x	38		Bit: T20W	

EPDM

Product advantages

- extremely resistant to weathering and heat
- highly elastic
- dimensionally stable, even at high temperatures
- optional self-adhesive on one side to facilitate application



Technical information

Application

The dimensionally stable sealing tape is used for curtain walling to facades

Material

■ Elastomer sheet made of EPDM rubber

Colour

■ Black

Technical details

Item	DIN	Characteristics
Class of building material	4102	B2 (normally flammable)
Vapour resistivity		32'000 μ
Temperatur resistance		-40°C to +130°C
Processing temperature		+5°C to +35°C
Shelf life		2 years
Storage temperature		+5°C to +25°C

Order information

	Order code			box capacity	m/roll	
	EPDM- Type	60/ tape width	0,75 tape thickness			
	EPDM-	60/	0,75	25	25	
	EPDM-	100/	0,75	25	25	
	EPDM-	Adhesive-60/	0,75	25	25	
	EPDM-	Adhesive-100/	0,75	25	25	
	EPDM-	70/	1,20	25	25	
	EPDM-	120/	1,20	25	25	
	EPDM-	190/	1,20	25	25	

SX



Technical information

Application

Stainless steel fastening of steel or facade panels to steel or aluminium structure in one operation: drilling, thread forming and secure fastening.

Material

Fastener

- SX
Austenitic stainless steel, grade AISI 304 (European Standard 1.4567) with powder coated colour finish.

Washer

- S = Stainless steel, grade AISI 304 (European Standard 1.4301) with very thin vulcanised EPDM
- Special thin washer to protect panel against scratches

Drill point and lead thread section

- Case hardened, special carbon steel

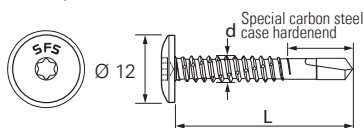
Coloured fastener



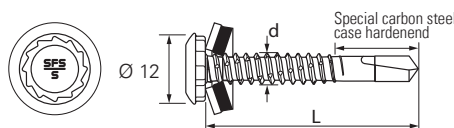
Coloured fasteners available
Colour heads are achieved through powder coating

HD headform / drive

- Low profile Ø 12 mm



- *irius*® Ø 12 mm



Tools and accessories

DI650



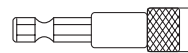
- Lightweight power screwgun for installing self drilling and self tapping fasteners.

E420



- The E420 setting tool for installing self drilling fasteners with the *irius*® system.

ZA1/4"



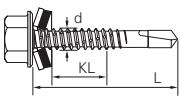




- Universal socket to adapt different bits.

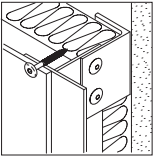
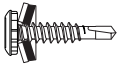

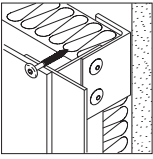
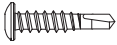

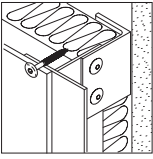
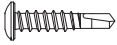

T20W / T25W Bit



- Special T20 / T25 wedge bit for perfect fit on SFS intec painted fastener.

Order information

	irus® Ø 12 mm 	Low profile Ø 12 mm 	Low profile Ø 10 mm 	 Coloured fastener	W: Washer material S Stainless Steel	* Select Washer 16 mm for cladding
VD max. penetration KL clamping length HD headform / drive W washer material and diameter d thread diameter L Length t thickness of structure All measures in mm						

		Order code										
		SX 3/ 15- L12- S16/1- 5,5x 32										
Application	Product	Approval	Type	VD	KL	HD	W*	d	L	KL	Application range	
	● Stainless steel  		SX	3/	15-	L12-	S16/1-	5,5x	32	15	VD max. steel: 3,0 mm t min. steel: 1,5 mm t max. steel: 2,5 mm t min. alu: 2,5 mm Socket: E420	
	● Stainless steel  		SX	3/	15-	D12-		5,5x	30	15	VD max. steel: 3,0 mm t min. steel: 1,5 mm t max. steel: 2,5 mm t min. alu: 2,5 mm Bit: T25W	
	● Stainless steel  		SX	3/	11-	D10-		4,8x	25	11	VD max. steel: 3,0 mm t min. steel: 1,5 mm t max. steel: 2,5 mm t min. alu: 2,5 mm Bit: T20W	

GA-AS / GA-BS



Technical information

Application

To fix any kind of cladding panels to timber, steel or aluminium sub-frames.

A choice of colours and shapes for fascinating effects

Choose from the range of shapes and colours to create special emphasis on internal or external surfaces. Achieve tonal features through the use of anodised aluminium and polished stainless materials.

The thread onto which the head element is screwed is coated with spedcaps micro-encapsulated liquid adhesive. The adhesive cures within a few hours of installation and the design element is secured against unwinding through dynamic loads. It cannot be removed manually after curing.

Material

Fastener

- GA-AS / GA-BS
Stainless steel, grade AISI 304
(European Standard 1.4301)

C = Spedcaps coating

GAZ: design elements

A = Aluminium anodised

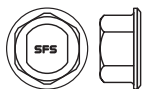
S = Stainless steel grade 316,
1.4404

Washer

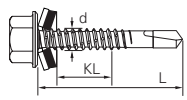

- **S** = Stainless steel, grade AISI 304
(European Standard 1.4301) with
vulcanised EPDM

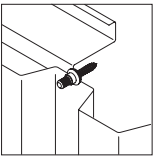
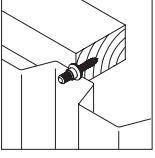
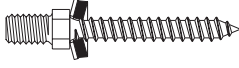
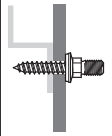
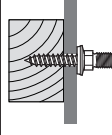
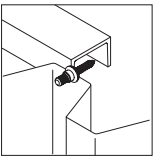
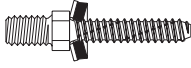
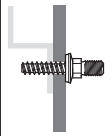
HD headform / drive

- Hexagon: 3/8" ~ 9,5 mm A/F
- Special socket required E395



Order information

	Hexagon: 3/8" ~ 9,5 mm A/F 	
VD max. penetration KL clamping length HD headform / drive W washer material and diameter d thread diameter L Length t thickness of structure All measures in mm		

		Order code				KL	Application range
Application	Product	Type	W*	d	L		
 	● Stainless steel 	GA-AS-	S16-	6,5x	45-C		  Hexagon: 3/8" ~ 9,5 mm A/F Threaded part: M8 x 11 mm Recommended pilot hole diameter: t in mm: pilot hole in mm: 1,0 – 1,25 4,50 1,5 – 3,00 5,00 wood 4,80
	● Stainless steel 	GA-BS-	S16-	6,3x	32-C		 Hexagon: 3/8" ~ 9,5 mm A/F Threaded part: M8 x 11 mm Recommended pilot hole diameter: t in mm: pilot hole in mm: 1,5 – 4,0 5,30 4,1 – 6,0 5,50 6,0 – 10,0 5,70 > 10,0 5,80

GAZ-801-

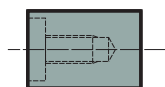
GAZ-803-*

GAZ-804-

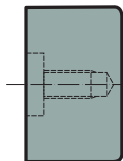
GAZ-806-

GAZ-807-

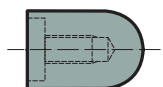
GAZ-811-



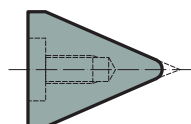
Ø 22 x 32 mm



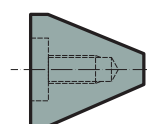
Ø 42 x 28 mm



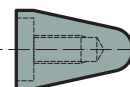
Ø 22 x 32 mm



Ø 32 x 38 mm



Ø 32 x 32 mm



Ø 22 x 32 mm

Available in the following colors:

* on special request

Aluminium:

Stainless steel:

red, blue, green, black, gold, silver

mill finish

SCFW-S



Technical information

Application

Self drilling fastener for non metallic high performance cladding panel to timber batten.

Material

Fastener

- SCFW-S
Austenitic stainless steel, grade
AISI 304 (European Standard
1.4301)

Washer

- A = Aluminium with vulcanised
EPDM

Coloured fastener



Coloured fasteners available
Colour heads are achieved
through powder coating

HD headform / drive

- Low profile Ø 12 mm



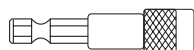
Tools and accessories

DI650



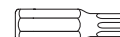
- Lightweight power screwgun for in-
stalling self drilling and self tapping
fasteners.

ZA1/4"



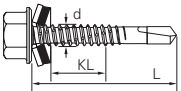


- Universal socket to adapt
different bits.

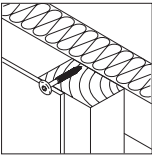

T20W Bit



- Special T20 wedge bit for perfect fit
on SFS intec painted fastener.

Order information

	Low profile Ø 12 mm 	 Coloured fastener	
VD max. penetration KL clamping length HD headform / drive W washer material and diameter d thread diameter L Length t thickness of structure All measures in mm			

		Order code							
		SCFW-S- D12K- A12- 5,0x 42							
Application	Product	Type	HD	W*	d	L	KL	Application range	
	● Stainless steel 	SCFW-S- D12K- A12- 5,0x 42					8	Bit: T20W Wings diameter: 6,2 mm	

TU-S



Technical information

Application

The TU-S blind fastener is superior to previous approaches to the attachment of HPL cladding panels with regards installation and long-term security.

Material

Fastener

■ TU-S

Body:

Stainless steel, grade AISI 316
(European Standard 1.4401)

Mandrel:

Carbon steel (removed completely)

Tools and accessories

PowerBird®



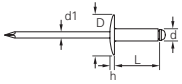

- Standard blind rivets:
Alu 4,8 - 8 mm, Steel: 4,8 - 6,4 mm.
BULB-TITE® rivets 4 - 7,7 mm.
- TU-S-6,0 x L

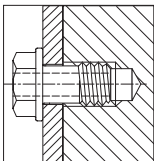
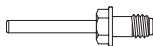
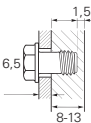
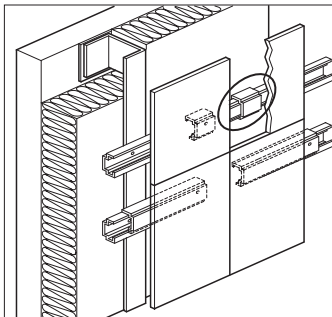
Drill bit with depth locator



- Drill bit:
6,0x80 for TU-S-6,0xL

Order information

	Hexagon 8 mm A/F 	
VD max. penetration KL clamping length HD headform / drive W washer material and diameter d thread diameter L Length t thickness of structure All measures in mm		

		Order code TU-S- 6,0x 9-A4			Panel	Clip mm	Application range
Application	Product	Type	d	L			
	● Stainless steel A4 	TU-S- 6,0x 9-A4			8	2.5 - 3.5	 
					10	0.5 - 3.5	
					13	0.5 - 3.5	
		TU-S- 6,0x 11-A4			8	4.5 - 5.5	
					10	2.5 - 5.5	
					13	0.5 - 5.5	
		TU-S- 6,0x 13-A4			10	4.5 - 7.5	
					13	2.5 - 7.5	
		<p>HSS pilot hole, 6 mm dia. with depth stop Anchorage depth min. 6,5 mm</p> <p>For HPL panels between 8,0 - 13,0 mm thickness</p> <p>Set the TU-S with a PowerBird® and nose piece 17/36</p>					

Application	Product code	Page
Profiles	PFS-K / PFS-Q PFR / PF-Z / PV	► 2.42



PFS-K-Aluminium



Technical information

Application

Assures a perfect finish of the corners.

Material

Profile

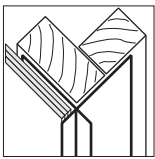
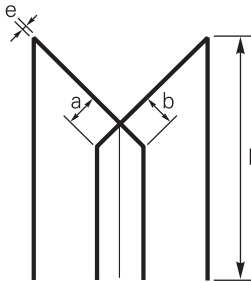
- PFS-K-Aluminium
- Aluminium: crude, hot varnished on the basis of the colour of the panels

Coloured fastener



Coloured Profile available

Order Code

		PFS-K-A- 10/10			Application range
Application	Product	Type	axb	KL	
	▲ Aluminium	PFS-K-A- 10/10	≤ 10	Length of the profile: L = 2,8 m Thickness: e = 0,8 mm	
		PFS-K-A- 18/18	≤ 18		
		PFS-K-A- 29/29	≤ 29		
		PFS-K-A- 40/40	≤ 40		

PFS-Q-Aluminium



Technical information

Application

Assures a perfect finish of the corners.

Materiale

Profile

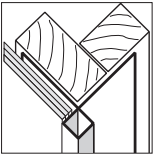
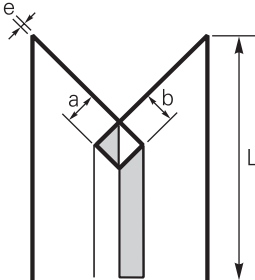
- PFS-K-Aluminium
Aluminium: crude, hot varnished on the basis of the colour of the panels

Coloured fastener



Coloured Profile available

Order Code

		PFS-Q-A- 10/10			Application range
Application	Product	Type	axb	KL	
	▲ Aluminium	PFS-Q-A- 10/10	≤ 10	Length of the profile: L = 2,8 m Thickness: e = 0,8 mm	
		PFS-Q-A- 18/18	≤ 18		

PFR-Aluminium



Technical information

Application

Assures a perfect finish of the corners.

Material

Profile

■ PFR-Aluminium

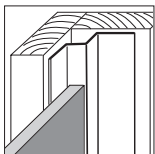
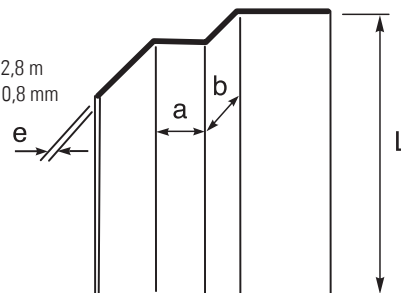
Aluminium: crude, hot varnished on the basis of the colour of the panels

Coloured fastener



Coloured Profile available

Order Code

Application	Product	PFR-A- 10/10		KL	Application range
		Type	axb		
	▲ Aluminium	PFR-A-	10/10	≤ 10	Length of the profile: L = 2,8 m Thickness: e = 0,8 mm 
		PFR-A-	15/15	≤ 15	
		PFR-A-	18/18	≤ 18	

PF-Z-Aluminium



Technical information

Application

Assures a perfect finish of the corners.

Materiale

Profile

- PFS-K-Aluminium
- Aluminium: crude, hot varnished on the basis of the colour of the panels

Coloured fastener



Coloured Profile available

Order Code

		PF-Z-A- 40/8/10		KL	Application range	
Application	Product	Type	axb			
	▲ Aluminium	PF-Z-A-	40/8/10	≤ 8	Length of the profile:: L = 2,8 m Thickness: e = 0,8 mm	
		PF-Z-A-	40/10/10	≤ 10		

PV-Aluminium



Technical information

Application

Assures air ventilation of the facade and guard against rodent.

Material

Profile

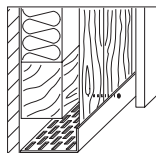
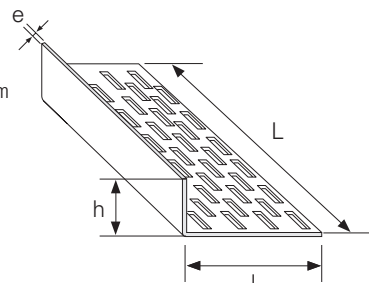
- PV-Aluminium
- Aluminium: crude

Coloured fastener



Coloured Profile available

Order Code

		PV-A- 30x30		KL	Application range
Application	Product	Type	hxl		
	▲ Aluminium	PV-A-	30x30		<div>Length of the profile: $L = 2,5 \text{ m}$ Thickness: $e = 0,8 \text{ mm}$</div> 
		PV-A-	30x40		
		PV-A-	30x50		
		PV-A-	30x60		
		PV-A-	30x70		
		PV-A-	30x90		
		PV-A-	40x100		
		PV-A-	40x120		
		PV-A-	40x140		
		PV-A-	40x160		
		PV-A-	40x180		
		PV-A-	40x200		
		PV-A-	40x220		
		PV-A-	40x240		
		PV-A-	40x260		
		PV-A-	40x280		
		PV-A-	40x300		

3

Application	Product code	Page
Self drilling self tapping fasteners	DI650	► 3.2
For rivets	HN 2-BT	► 3.3
	SN-2	► 3.3
	AccuBird®	► 3.4
	PowerBird®	► 3.4



DI650

DI650



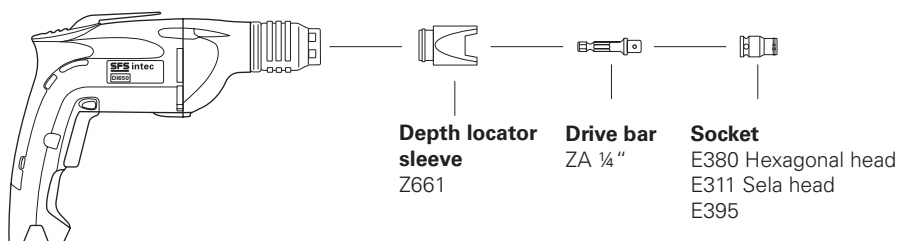
Application

Lightweight power screwgun for installing self drilling and self tapping fasteners.

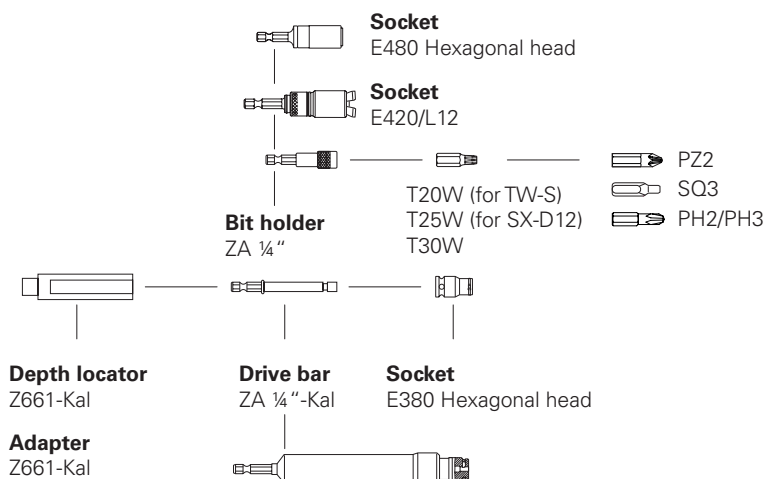
Technical details

Power Tool:	DI650
Wattage:	650 W
Max. revs:	2000 rpm
Power Supply:	110V / 230V
Max. torque:	20 Nm
Overall length:	290 mm
Weight:	1,6 kg

Tools and accessories



Optional accessories



HN 2-BT

**Application**

Up to Ø 7,7 mm for all materials, stroke 10 mm.

SN-2

**Application**

0Including 4 rivet nozzles. For rivet diameter: 3,0 - 6,4 mm all materials besides 6,4 mm stainless steel

AccuBird®



Application

For standard blind rivets 2,0 - 5,0 mm.
For Bulb-tite® rivets 4,0 - 6,3 mm.



Technical details

Weight:	2,2 Kg
Pulling distance:	20 mm
Battery:	14,4 Volt, Li-Ion 1,3 Ah
Charging:	60 min.
Pulling strenght:	8500 N
For Rivet diameter:	2,0 - 5,0 mm

PowerBird®



Application

Standard blind rivets:
Alu 4,8 - 8,0 mm, Steel: 4,8 - 6,4 mm.
Bulb-tite® rivets 4,0 - 7,7 mm.



Technical details

Weight:	2,2 Kg
Pulling distance:	20 mm
Battery:	14,4 Volt, Li-Ion 1,3 Ah
Charging:	60 min.
Pulling strenght:	13000 N
For Rivet diameter:	4,8 - 6,4 mm

Business Solutions by SFS intec: Individual solutions tailored to your needs.



We live in a complex, constantly changing business environment which presents us with numerous challenges in our day-to-day work. Simple, lean processes, enhancing efficiency and – not least – cost and time savings are important themes.

SFS intec is a committed partner, adopting a holistic approach and not merely supplying products. Our efforts are directed towards successfully addressing the challenges arising in day-to-day business with tailor-made supplementary services.

Our thoughtfully devised portfolio of solutions is adapted to the differing requirements of market participants. Whether for small and medium-sized businesses, industrial customers, dealers or system manufacturers: Business Solutions by SFS intec cater to a wide diversity of needs. Furthermore, they are designed in such a way that they can be adapted individually to your specific requirements.

Business Solutions by SFS intec offer you the following benefits:



Easy

- Simple ordering process
- Information in real time
- Reduction in process steps



Secure

- Information transparency
- Controlled supply chain processes
- Many years of experience in supply chain management



Cost-saving

- Rapid, efficient ordering
- Optimised inventory
- Construction site services



Time-saving

- Faster order input and processing
- Outsourcing of process steps
- Electronic data interchange

Take as well advantage of the benefits of our Business Solutions and be further informed in a personal meeting.

Electronic ordering: Fast, simple, faultless.



eFormat

Accelerate and secure the order process!

Conversion of orders into electronic messages.

- Orders take priority
- Faster order processing
- No transmission errors



eShop

Order quickly and easily online!

Website for online orders round the clock.

- Order quickly and easily
- Irrespective of time and place
- Important information at a glance
(e.g. product range, previous orders, invoices)



eScan

Simplify your stock management!

Electronic ordering using a barcode scanner.

- Optimal inventory organisation and efficient ordering,
including analysis and consultancy by SFS intec
- Lower procurement costs
- Fast, efficient ordering



EDI

Stay connected constantly!

Electronic data interchange between the customer's ERP system and SFS intec's.

- Continuous link
- Fast, simple process
- No transmission errors

Electronic information: **Always up-to-date.**



ePost

Receive your documents immediately!

Electronic mailing of order acknowledgment, delivery note and invoice.

- Real-time information
- Information transmitted directly to the person responsible
- Paperless filing possible

ePortal

Information at your fingertips!

Orders and all related documents accessible at all times, including real-time delivery status and delivery confirmation.

- Full transparency
- Information available at any time and place
- Accessibility for several defined users

Our construction site service: Higher on-site efficiency.



SMS Service

Delivering confidence!

Notification and confirmation of deliveries to the construction site via SMS.

- High degree of transparency regarding deliveries
- No more missed deliveries
- Less time-wasting, no standstills on the construction site

Job2Job

Save costs, improve efficiency!

You order per job, we do the rest: storage, order picking, packaging, labelling, forwarding.

- Major cost savings in procurement
- Reduced inventories
- Greater convenience

4



Business Solutions by SFS intec: **We'd be glad to give you more information!**

Are you interested in knowing more about Business Solutions by SFS intec?

Don't hesitate to contact your customer relationship manager. He'll be pleased to organise a visit to you together with one of our Business Solutions experts!

Dependably well served:

Meeting your business needs - tailored solutions from SFS intec.



Partners who really understand you:

Experts for architectural exteriors.



The secure route to the right fastener solution:

Simple, efficient planning aids at every step of the project.



Always one step ahead:

An international network with local knowledge in every field.



Economy and security built in:

Complete systems for every application.



Quality you can depend on:

A network of quality-certified plants.



Reliable performance:

Tested in-house, confirmed on site.



The right fastening system every time:

Technical advice and support any time, anywhere.

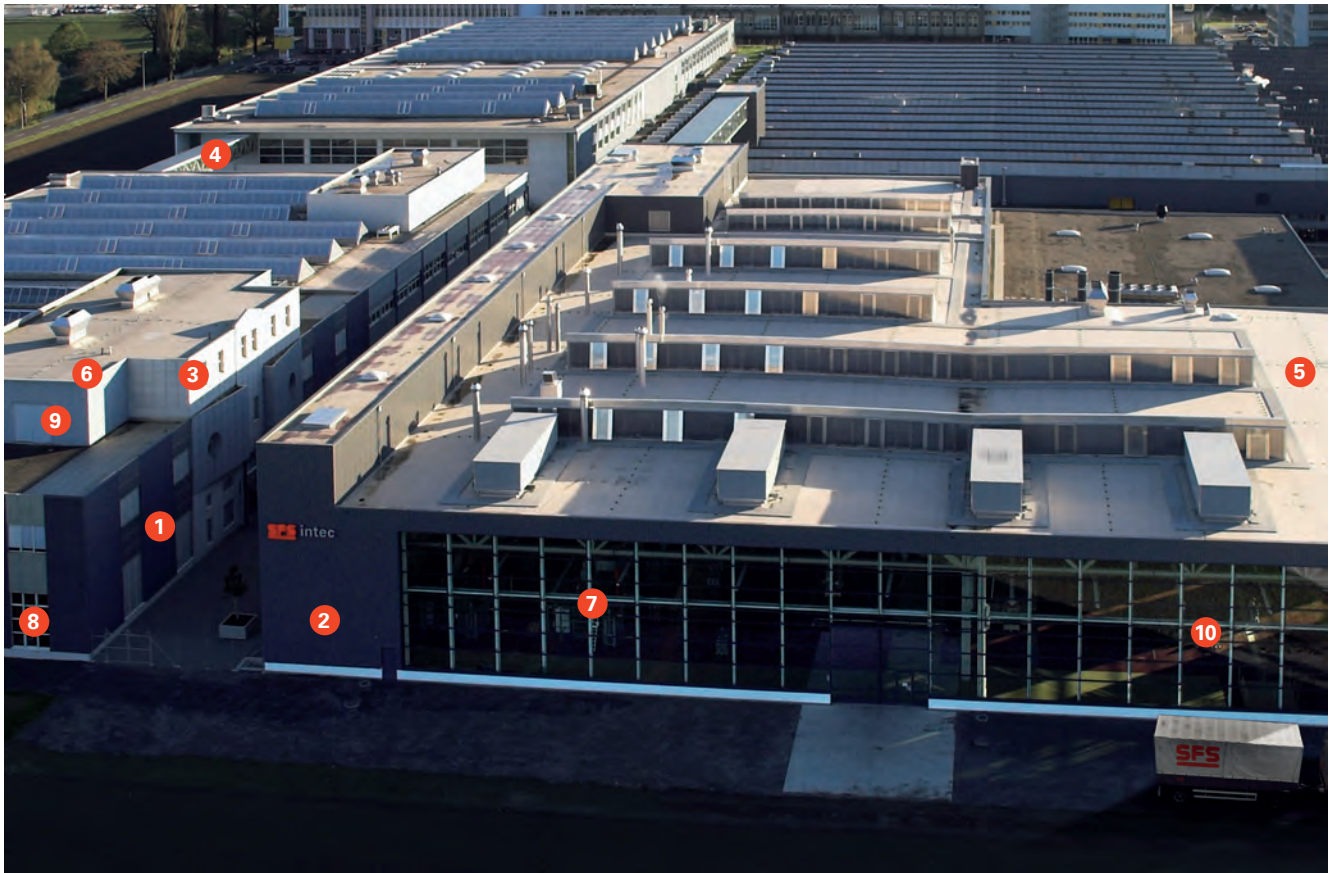


High standard of delivery reliability due to local presence:

Global supply chain management.



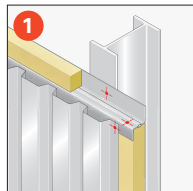
**Partners who really understand you:
Experts for architectural exteriors.**



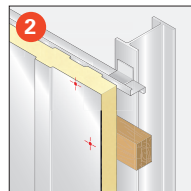
Comprehensive application knowledge from one Partner

For every aspect of architectural exteriors - from fixings to special hinges for doors and windows – SFS intec understands your business. We help make our global customer base more competitive.

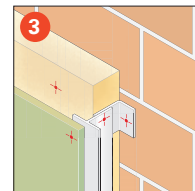
Experienced sector specialists tuned to the regional requirements of each individual market guarantee genuine local advice and support.



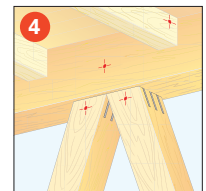
Fastening cassette systems



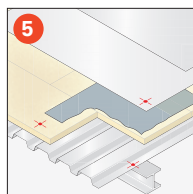
Fastening composite panels



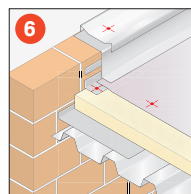
Ventilated curtain walling



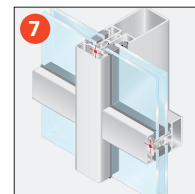
Structural timber and glulam beams



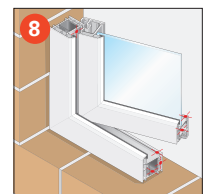
Fastening flat roofs



Perimeter zones



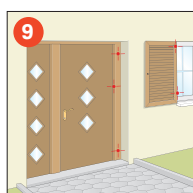
Post-and-rail joints



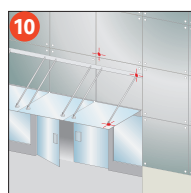
Fastening systems for doors and windows

Why not take advantage of our expertise:

- More than 50 years experience
- Technical application professionals available for on-site support
- Know-how database from research, development, manufacturing and application engineering



Hinge systems for doors and windows



Glass attachment



The secure route to the right fastener solution: Simple, efficient planning aids at every step of the project.



Choose the planning aids you need:

- User-friendly catalogues
- On-site or office advice
- Application technicians available by phone
- Product selector and project management aids at **www.sfsintec.biz**
- Twenty-four hour online e-shop ordering



Talking to the specialists in fastener and fixing technology

Whatever phase your project is at, SFS intec offers you the right planning aids to determine the appropriate fastener and the matching accessories.

That might be a specific application not mentioned in our catalogue. Whether it's a new build or renovation, our experts are here to offer fast, efficient help in choosing the right system for you; with no complications. Solutions are always matched to the specific requirements of the individual project, providing you with longevity, functionality, long-term security and real aesthetic appeal.





Always one step ahead:

An international network with local knowledge in every field.



Tried and trusted technologies matched to your specific requirements

Somewhere in the world we will have already addressed the same tasks confronting you right now.

Our global team of experts is continuously working on new challenges which means our customers benefit from a massive pool of accumulated knowledge. So they are always one step ahead.

With your specific requirements in our hands, we exchange know-how among a vast international network of industry specialists, seeking out the right fastener solutions for you. Solutions to make your work easier and to help your business be more competitive.



The services that can improve your competitive edge:

- Local site support on projects outside your home market
- Years of experience on numerous international projects
- In-depth knowledge gained from our work with the world's leading OEM's
- People on site who speak your language, offering an international approach





Economy and security built in: Complete systems covering every application.



SFS intec complete systems:

- Multi-functional fasteners
- Guaranteed long-life
- Simple and easy to use
- Intelligent installation tools enabling fast, efficient work
- System accessories including rivets, pipe flashings, sealing tapes and anchorages



More than just fastener systems

We work hand-in-hand with planners and specifiers everyday on sites around the world. This is the driver behind our constantly evolving products and services. The diverse messages coming in from the market place are converted by our design and development specialists into profitable solutions for our customers.

SFS intec offers more than just fasteners to its customers. We provide intelligent drive systems and coatings that optimise the insertion torque. Design details that ensure every solution is perfectly fit for purpose. We also offer those essential complementary products like rivets, pipe flashings, sealing tapes and anchorages – all fulfilling the most demanding requirements.





**Quality you can depend on:
A network of quality-certified plants.**



Assured quality – fast delivery

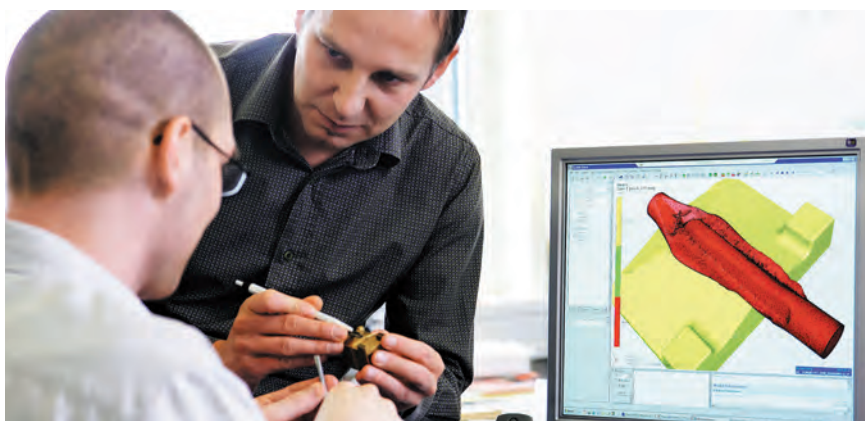
We never compromise when it comes to our application-optimised fasteners. Our trained specialists throughout the value-added chain are there to ensure quality in every aspect of our products and services.

Every SFS intec site has its own accreditation to ISO 9001 quality management standard. Moreover, a complete network of manufacturing and logistics support centres means maximum product availability.



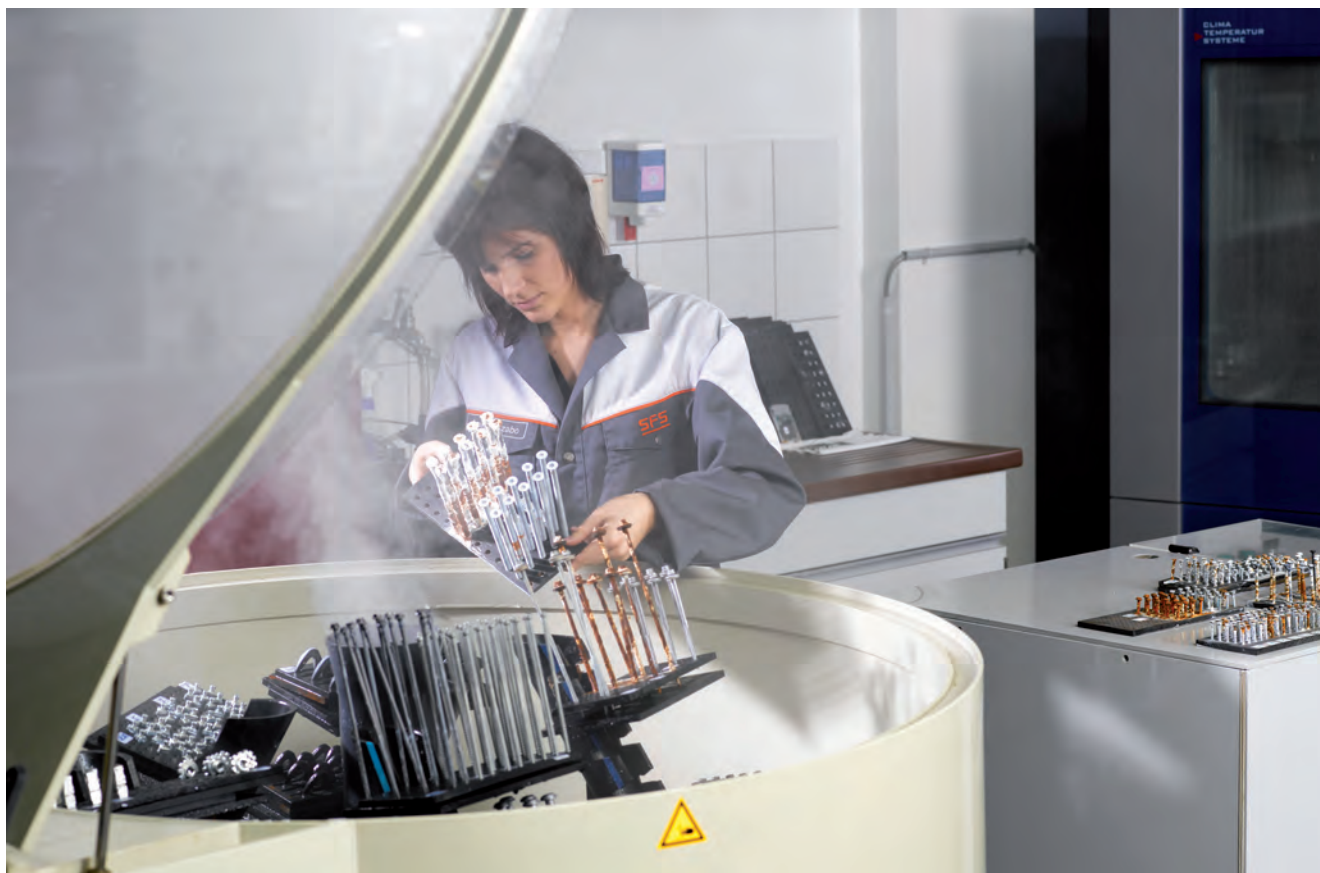
SFS intec business partners profit from:

- Certified quality from our own production plants
- Fast, efficient product availability from an international manufacturing and logistics network
- Flexible responses to individual needs that only the original manufacturer can truly provide



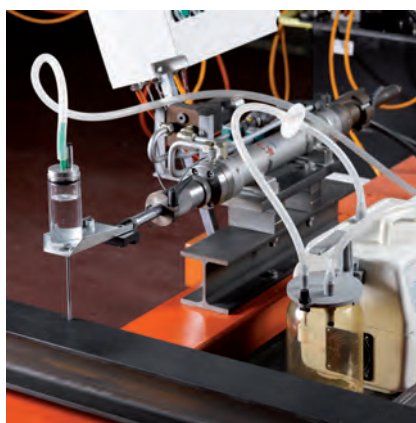


Reliable performance: Tested in-house, confirmed on site.



SFS intec fastening systems are checked for:

- Long-term behaviour under static and dynamic loading
- Corrosion resistance
- Ease-of-use and perfect functioning on site
- Fulfilment of approval authority requirements
- Continuous production controls



Future-focused fastener systems

Are the fasteners up to the anticipated static and dynamic loads? Is the fastener seal secure for life? Will wind forces be safely transmitted to the sub-structure? Such questions confront SFS intec experts day by day.

New solutions are extensively tested in our own in-house laboratories to see how they will perform in practice. One key aspect lies in meeting the requirements of a diverse range of approval authorities. Working hand-in-glove with leading manufacturers of roofing systems, structural components and insulation systems, whilst carrying out our own primary research, we at SFS intec have spearheaded numerous trends in modern fastener development.





The right fastening system every time:
Technical advice and support anytime, anywhere.



Absolute fastener security

Increased safety requirements; economic, ergonomic and aesthetic considerations; meeting the relevant directives and building control guidelines: these and other factors are becoming increasingly important in industrial construction.

That's why choosing the right fastening system for each specific application is vital. We ensure specifiers, architects and installers have the advice and information needed to choose an appropriate system from the wide range of alternatives available.

Your support team is only a phone call away. Our comprehensive website **www.sfsintec.biz** provides a wealth of information on optimum fastener technology. Draw on our years of experience in every aspect of fastening and fixing to put you in the driving seat when it comes to industrial building.



Services ensuring a secure build:

- Choosing the appropriate fastening system at the planning stage
- Comprehensive analysis of your needs including on-site tests
- Optimum supply chain management from plant to site
- On-site personnel training





High standard of delivery reliability due to local presence: Global supply chain management.



We improve your value chain with:

- an international presence
- high availability of market-specific products
- global delivery
- speed and reliability
- individually tailored Business Solutions



Fast, reliable service wherever you need it

The efficient and timely handling of construction projects is becoming increasingly important as assignments grow in complexity. Efficient supply chain management is therefore gaining in significance.

SFS intec has demonstrated its capabilities in this field in numerous trailblazing projects. Our international presence guarantees the high availability of market-specific products as well as rapid, reliable service worldwide.

You also benefit from simple, efficient ordering, management and delivery processes through tailor-made Business Solutions in the field of supply chain management.

You will find more information about this on pages 4.A to 4.D.



Focused market activities for a wide range of industries:
Generating customer benefits as a joint corporate objective.

Construction

Mechanical fastening systems and fixing technologies with system accessories for light industrial builds, bolt-on rear ventilated facades, flat roofing and timber engineering.



Mechanical fastening systems for doors and windows; as well as system solutions for glass facades.

Hinge technology for doors and windows.



Automotive

Development and production partner for precision engineered components and special fasteners for suppliers to the automotive industry operating worldwide.



Industrial

Development and manufacturing partner for special fasteners and precision engineered components for a range of industrial business sectors.





www.sfsintec.biz



Turn ideas into reality.