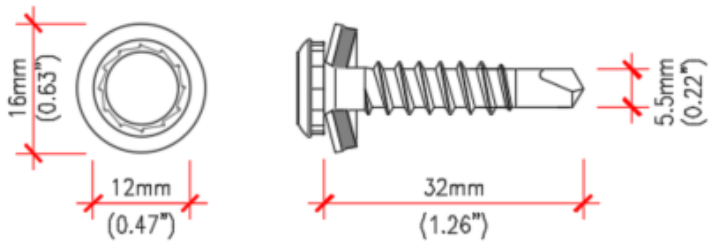
Ventilated facades with Viroc panels - Aluminium Structure

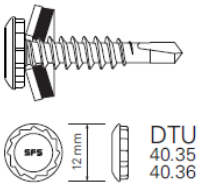
Screws and rivets for fixing Viroc panels

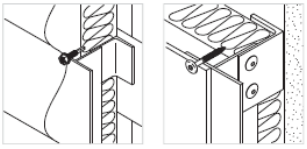
Panel thickness 12 mm

SX3/15-L12-S16-5.5x32



Application
Stainless steel fastening of steel / aluminium sheet or façade panels to steel or aluminium structure in one operation: drilling, thread forming and sealing.

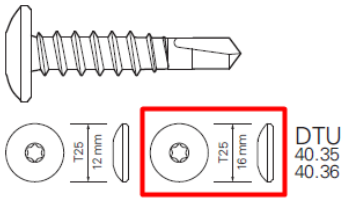




Product code	article number	VD	KL	d x L	PU	notes
SX3/15-L12-S16/1-5,5X32	1403191	3	15	5,5X32	250	

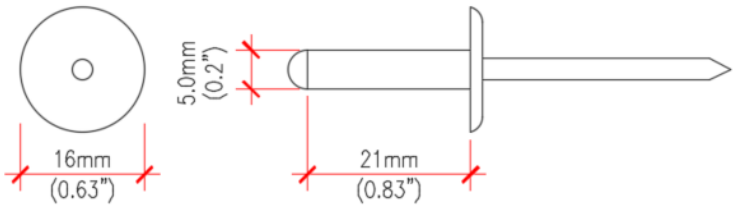
SX3/15-D16-5,5x30

Application
Stainless steel fastening of steel / aluminium sheet or façade panels to steel or aluminium structure in one operation: drilling, thread forming and sealing.



Product code	article number	VD	KL	d x L	PU	notes
SX3/15-D12-5,5X30	1403193	3	15	5,5X30	250	
SX3/15-D16-5,5X30	1270106	3	15	5,5X30	250	

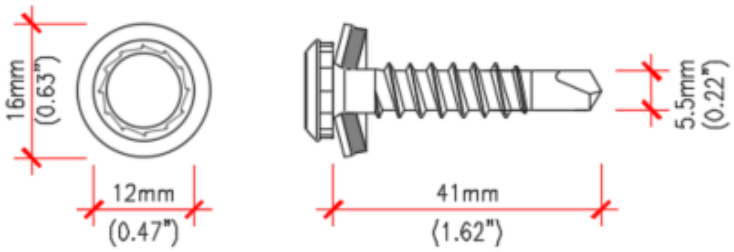
Rivet AP16-S-5x21



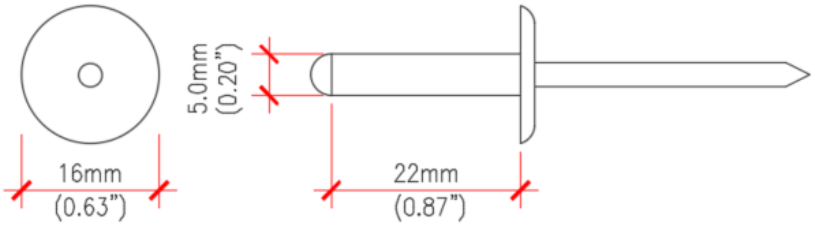
Auxiliary: Nosepiece, mandatory use.

Panel thickness 16 mm

SX5-L12-S16-5.5x41

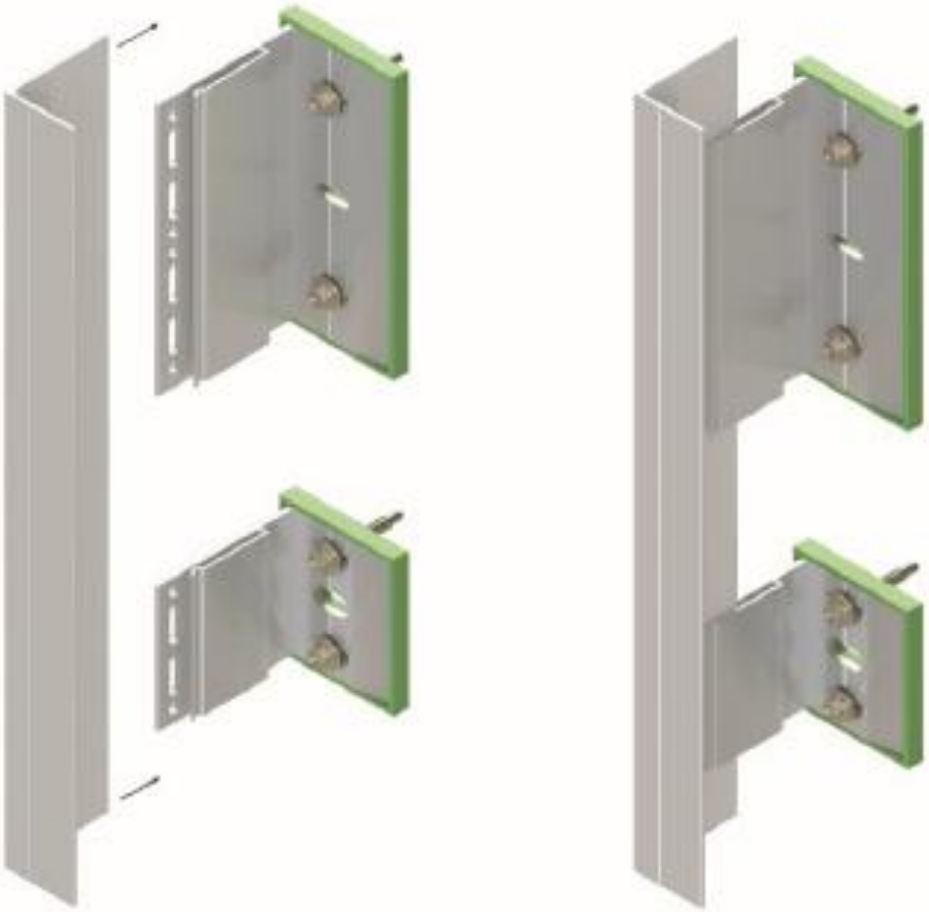


Rivet SS0-D15-5x22



Auxiliary: Nosepiece, mandatory use.

Aluminium structure



Vertical L (or T) rail to bracket

Brackets

Table 1 Aluminium NV Bracket — single (75 mm) — design resistances (for bracket out-stand leg)

Bracket leg length (A)[1] (mm)	Projection range[2] (mm)	Code	Design resistance (kN)[3][4]	
			Vertical (shear)	Horizontal (axial)
40	47 – 67	NV-VB040S	2.45	2.68
60	62 – 102	NV-VB060S	1.34	1.92
90	92 – 132	NV-VB090S	1.11	1.47
120	122 – 162	NV-VB120S	0.98[5]	1.11[5]
150	152 – 192	NV-VB150S	0.84[5]	0.89[5]
180	182 – 222	NV-VB180S	0.67	0.71[5]
210	212 – 252	NV-VB210S	0.54	0.62
240	242 – 282	NV-VB240S	0.45	0.58
270	272 – 312	NV-VB270S	0.36	0.54[4]
300	302 – 342	NV-VB300S	0.22	0.49

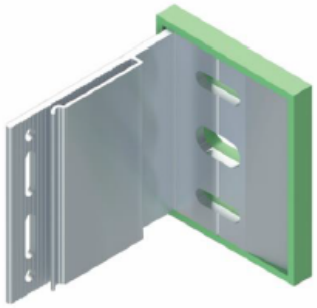


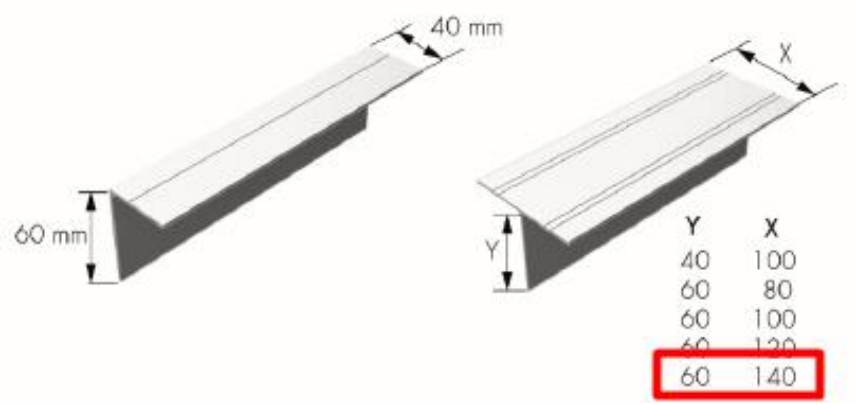
Table 2 Aluminium NV Bracket — double (150 mm) — design resistances (for bracket out-stand leg)

Bracket leg length (A)[1] (mm)	Projection range[2] (mm)	Code[3]	Design resistance (kN)[4][5]	
			Vertical (shear)	Horizontal (axial)
40	47 – 67	NV-VB040D	3.57	4.01
60	62 – 102	NV-VB060D	3.34	2.90
90	92 – 132	NV-VB090D	2.68	2.50
120	122 – 162	NV-VB120D	1.03[6]	2.31[6]
150	152 – 192	NV-VB150D	1.21[6]	2.10[6]
180	182 – 222	NV-VB180D	0.79[6]	1.78
210	212 – 252	NV-VB210D	0.66[6]	1.47
240	242 – 282	NV-VB240D	0.58[6]	1.29
270	272 – 312	NV-VB270D	0.48[6]	1.16
300	302 – 342	NV-VB300D	0.45[6]	1.03

Anchors (brackets-support)

SXR-10-80-FUS-A (1 un/bracket)

Aluminium profiles L and T



Type	Dimensions	Material number
L Profile	60 x 40 x 2.2 x 3000	1521357
L Profile	60 x 40 x 2.2 x 3600	1521365
L Profile	60 x 40 x 2.2 x 4850	1521370
L Profile	60 x 40 x 2.2 x 6000	1521375
T Profile	40 x 100 x 2.2 x 3000	1521413
T Profile	40 x 100 x 2.2 x 6000	1521417
T Profile	60 x 100 x 2.2 x 3000	1521423
T Profile	60 x 100 x 2.2 x 4850	1521431
T Profile	60 x 100 x 2.2 x 6000	1521434
T Profile	60 x 140 x 2.2 x 3000	1521445
T Profile	60 x 140 x 2.2 x 6000	1521447

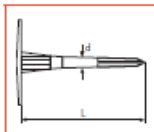
Screws (bracket-profile)

SDA5/5.5x22 (2 un/bracket)

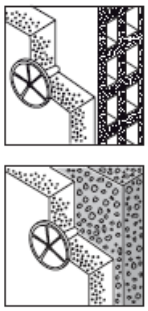
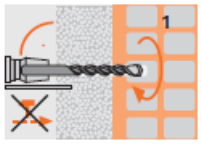
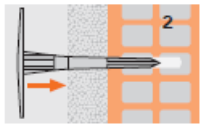
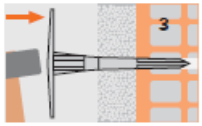
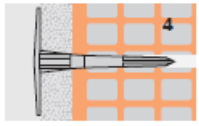
River (bracket-profile)

ASO-D11-5x12 (2 un/bracket)

Plastic anchors to fix the insulation



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

Applications	Product	Order code MDH- 8,0x 60 Type	d	L	SD	Application range
	● Plastic	MDH-	8,0x	60	**20**	   
		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				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

Auxiliary Tools

Key E420 for irius head screws.

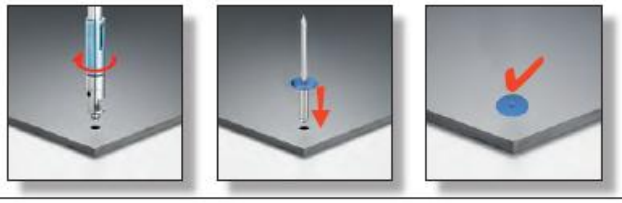
Nosepiece, rivet tightening limiter, mandatory use.

Tool for centering holes

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
DG-	146x20-	7,0
DG-	146x20-	8,0
DG-	146x20-	9,0
DG-	146x20-	10,0

Application range



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

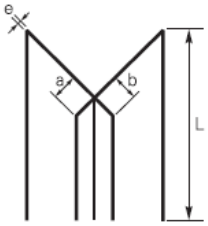
Tool for centering screws with a diameter of 5.5 mm, ZL-SX/SD-5.5/8.0

Tool for centering holes with a diameter of 5,1 mm, ZL-5,1/7-18

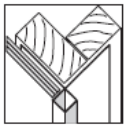
Angle auxiliary profile

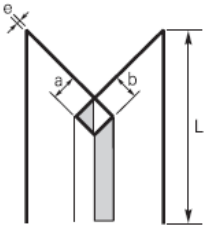
PFS-K-Aluminium

Application	Product	PFS-K-A- 10/10 Type	axb	KL	Application range
	▲ 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**	



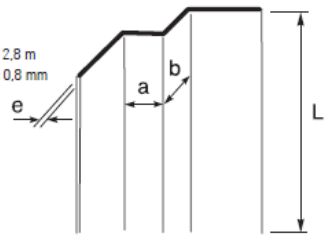
PFS-Q-Aluminium

Application	Product	PFS-Q-A- 10/10 Type	axb	KL	Application range
	▲ 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**	



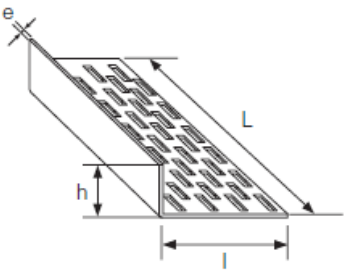
PFR-Aluminium

Application	Product	PFR-A- 10/10 Type	axb	KL	Application range
	▲ 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**	



Anti rodent profile

PV-Aluminium

Application	Product	PV-A- 30x30 Type	hxl	KL	Application range
	▲ Aluminium	PV-A-	30x30		Length of the profile: L = 2,5 m Thickness: e = 0,8 mm 
		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		

Contacts for information and supply

UK

T: +44 (0) 330 0555 888

E: ukenquiries@sfs.com

USA

T: +1 610 376 5751

E: us.construction@sfs.com

Canada

T: +1 905 847 5400

E: ca.info@sfs.com

Norway

T: +47 67 92 14 40

E: no.info@sfs.com

Sweden

T: +46 152 71 50 00

E: se.info@sfs.com

Finland

T: +358 9 3154 9810

E: fi.info@sfs.com

Nederland

T: +31 492 597 414

E: bnl.info@sfs.com

Polnad

T: +48 61 660 49 00

E: pl.info@sfs.com

Italy

T: +39 0434 995 1

E: it.info@sfs.com

Germany

T: +49 6171 700 20

E: de.info@sfs.com

Czech Republic

T: +420 481 354 4111

E: cz.construction@sfs.com

Estonia

T: +372 6610 600

E : ee.info@sfs.com

France

T: +33 4 75 75 44 22

E: fr.info@sfs.com

Portugal / Spain

Jordi Casulleras

T +34 946 33 31 20 M +34 609 00 59 01

jorge.casulleras@sfs.com, es.sfs.com