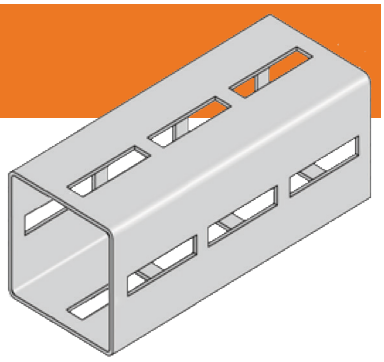
Zip-Clip Atlas

SUPPORT SYSTEMS
SOLUTION DATASHEET

steel&tube STRONGER TOGETHER

SUPPORT FRAME SYSTEM 100



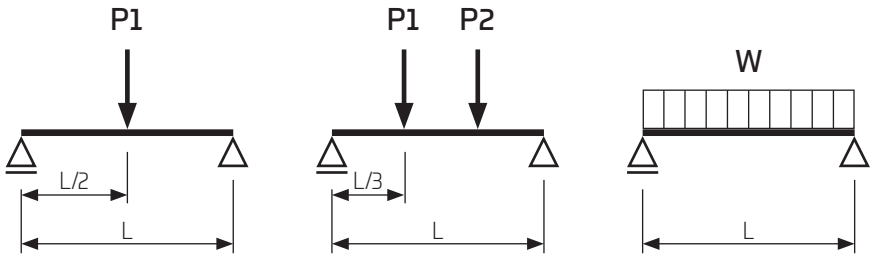
The Zip-Clip Atlas Support Frame System is a fully adjustable system designed to be an economical and time saving alternative to standard welded construction.

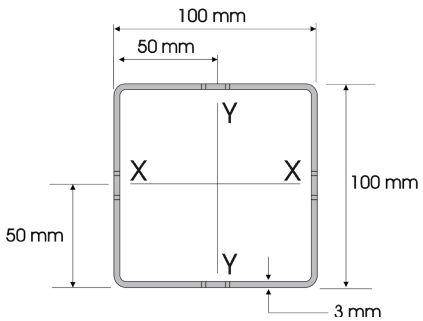
TECHNICAL DATA	
ZCA System No:	SFS100-BEAM
S&T System No:	P0112001
AON Listing No:	BB031 *refer to the NZS4541 design guide
Material:	Mild Steel
Material Type:	345 MPa
Finish:	Hot-dip galvanised

DATA SUMMARY	
Dimensions:	100 × 100 mm
Thickness:	3 mm
Slot Size:	15.5 × 65 mm
Slot Spacing:	80 mm centres
f_y =	345 MPa
E =	200 GPa

KEY SYSTEM ADVANTAGES

- Installation time and labour saving.
- Advanced modular bolting system with a maximum load capacity of 10 kN per bolt.
- High torsional stiffness.
- Fully dismountable.
- Comprehensive range of integrated fittings and components.
- Widely compatible with leading channel and pipe support systems.





SECTION PROPERTIES	Part No./System	SFS100
	Weight, Kg/m	8.27
	Area of Section, mm²	955
X-X AXIS	Moment of Inertia, I 10^6 mm⁴	1.55
	Section Modulus, Z 10^3 mm³	30.996
	Radius of Gyration, r mm	40.29
Y-Y AXIS	Moment of Inertia, I 10^6 mm⁴	1.55
	Section Modulus, Z 10^3 mm³	30.996
	Radius of Gyration, r mm	40.29

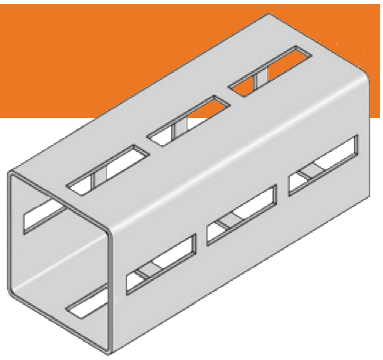
SPAN (L)	P1 Kg	P2 Kg	W Kg (Uniform)
1000	2549	1871	4550
1500	1695	1271	3390
2000	1267	950	2535
2500	1010	705*	1922*
3000	828*	486*	1325*
3500	602*	353*	963*
4000	455*	267*	727*
4500	353*	207*	564*
5000	279*	164*	446*
5500	224*	131*	358*
6000	182*	107*	290*

Capacity tables to AS4100. The allowable working loads calculated are based on the ultimate capacity of a simply supported beam, divided by a 1.5 factor. The mid-span deflection from working load has been limited to Span/200. The working loads include allowance for beam self-weight.

* Indicates working load governed by deflection.

SUPPORT FRAME SYSTEM 100

TECHNICAL DATA	
System No:	SFS100-BEAM



COMPRESSION CAPACITY	
Le (m)	ØNc (kN)
0.0	294.5
0.5	294
1.0	285.7
1.5	273.5
2.0	256.5
2.5	233.7
3.0	204.8
3.5	173.1
4.0	143.4
4.5	118.4
5.0	98.5
5.5	82.9
6.0	70.5

▲ NOTES:

1. Capacities calculated to AS4100 Steel Structures Standard.
2. The loads listed above are the ultimate compression capacity.
3. Listed capacities are for the effective column length with concentric loading only.
4. Effective length to be calculated in accordance with AS4100.
5. Any other load effects will de-rate these capacities. Compression bending interaction to be considered in accordance with AS4100.

BENDING CAPACITY	SHEAR CAPACITY
ØMs (kNm)	ØVv (kN)
9.39	43.3

▲ NOTES:

1. Capacities calculated to AS4100 Steel Structures Standard.
2. The loads listed above are the ultimate section bending and shearing.
3. Deflection must be checked by others during engineering design.

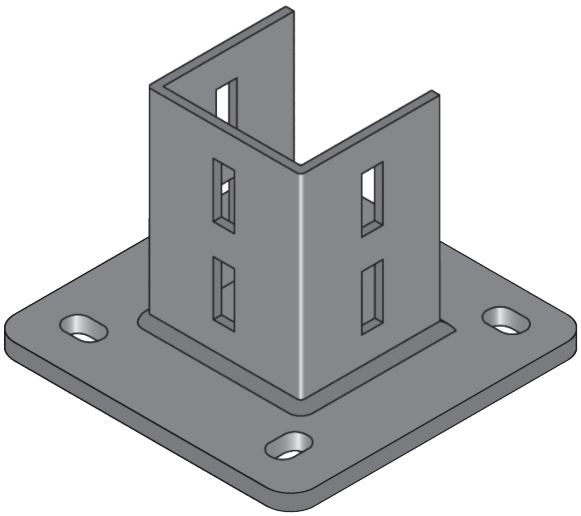
BEARING CAPACITY
ØRby (kN)
16.7

▲ NOTES:

1. Capacities calculated to AS4100 Steel Structures Standard.
2. Capacity based on:
   - 100 mm stiff bearing length
   - Bearing at the end of member
   - Member end is not to be cut through slot (15 mm web length from cut end to slot).

STANDARD BASE PLATE

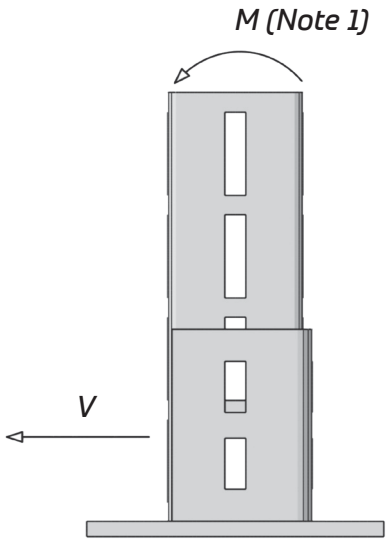
TECHNICAL DATA	
ZCA Part No:	SFS100-STD-BP
S&T Part No:	P0112002
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised



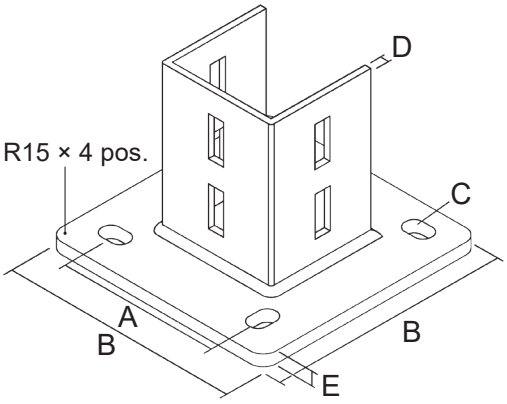
LOADING

NOTES:

1. The anchors and concrete slab must satisfy the ultimate loading requirements.
2. 6 No. SFSBOLT-M12S required to fix the channel to base plate.
3. Channel member to bear on base plate.
4. SFSBOLT-M12S torqued to 100 Nm.



LOAD TYPE ULTIMATE CAPACITY	
M	5.07 kN
V	32.8 kN



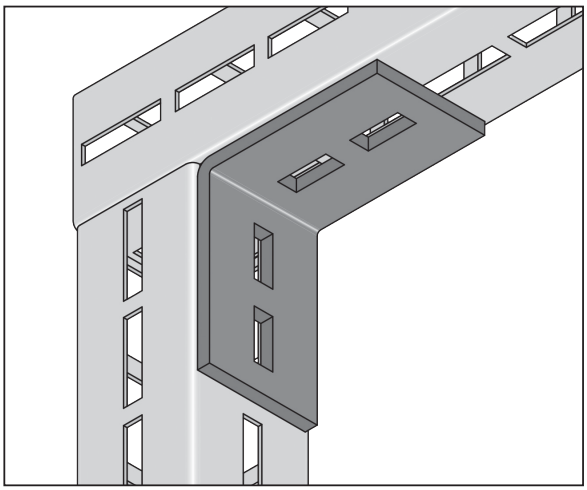
DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	SLOTS (mm)
SFS100-STD-BP	150	220	18 × 27	6	12	15.5 × 40

6 × SFSBOLT-M12S REQUIRED UNLESS SPECIFIED IN DESIGN DRAWING.

ANGLE BRACKET

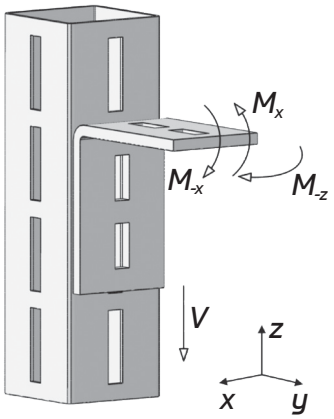
TECHNICAL DATA	
ZCA Part No:	SFS100-AB1
S&T Part No:	P0112003
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised



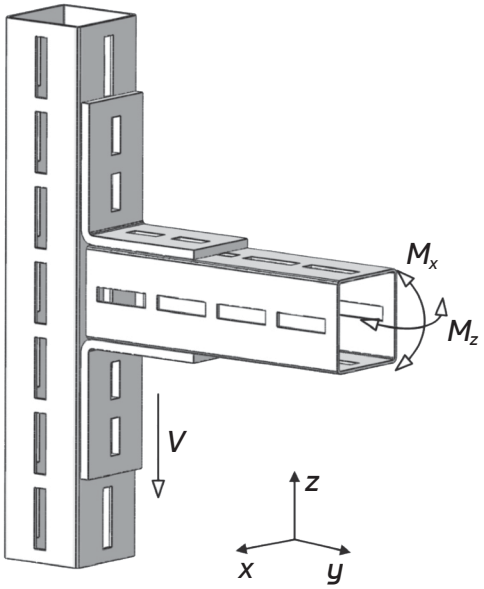
LOADING

NOTES:

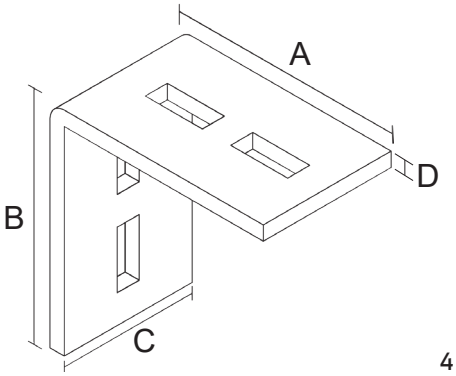
1. SFSBOLT-M12S torqued to 100 Nm.



LOAD TYPE	ULTIMATE CAPACITY
M_x	0.47 kNm
M_{-x}	0.39 kNm
M_z, M_{-z}	0.35 kNm
V	28.0 kN



LOAD TYPE	ULTIMATE CAPACITY
M_x, M_{-x}	1.61 kNm
M_z, M_{-z}	0.71 kNm
V	36.7 kNm

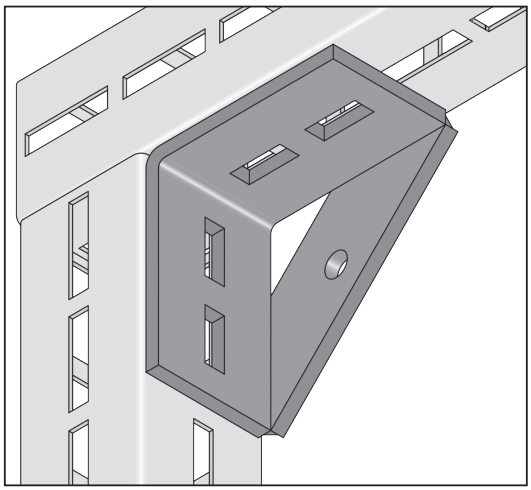


DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	SLOTS (mm)
SFS100-AB1	150	150	90	10	15.5 × 40

4 × SFSBOLT-M12S REQUIRED UNLESS SPECIFIED IN DESIGN DRAWING.

ANGLE BRACKET WITH GUSSET

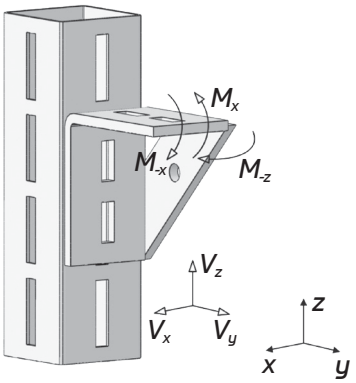


TECHNICAL DATA	
ZCA Part No:	SFS100-AB1G
S&T Part No:	P0112004
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised

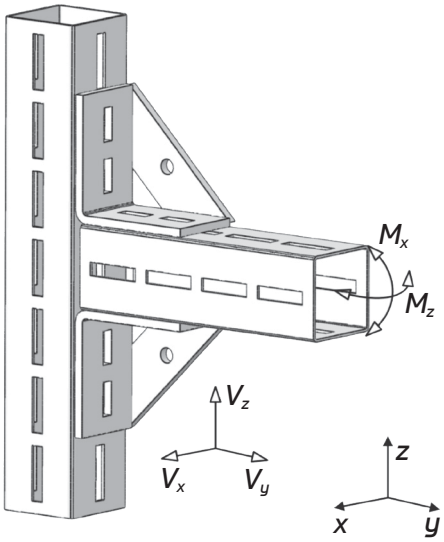
LOADING

NOTES:

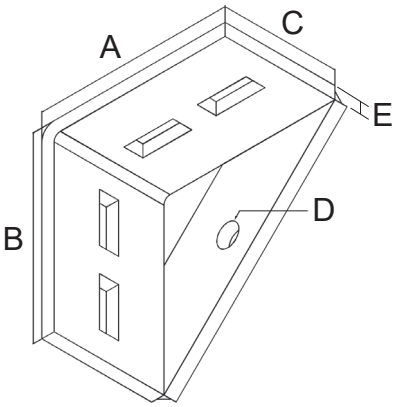
1. SFSBOLT-M12S torqued to 100 Nm.



LOAD TYPE	ULTIMATE CAPACITY
M_x	0.57 kNm
M_{-x}	0.66 kNm
M_z, M_{-z}	0.42 kNm
V_x	28.0 kN
V_y	9.6 kN
V_z	28.0 kN



LOAD TYPE	ULTIMATE CAPACITY
M_x, M_{-x}	1.84 kNm
M_z, M_{-z}	0.85 kNm
V_x	56.0 kN
V_y	19.2 kN
V_z	37.6 kN



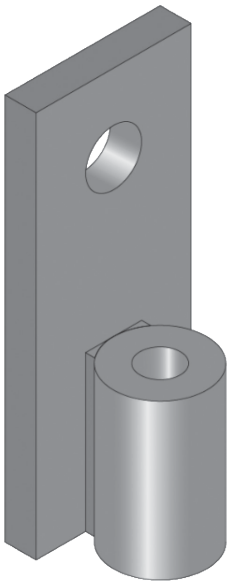
DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	SLOTS (mm)
SFS100-AB1G	150	150	90	18 Ø	10	15.5 × 40

4 × SFSBOLT-M12S REQUIRED UNLESS SPECIFIED IN DESIGN DRAWING.

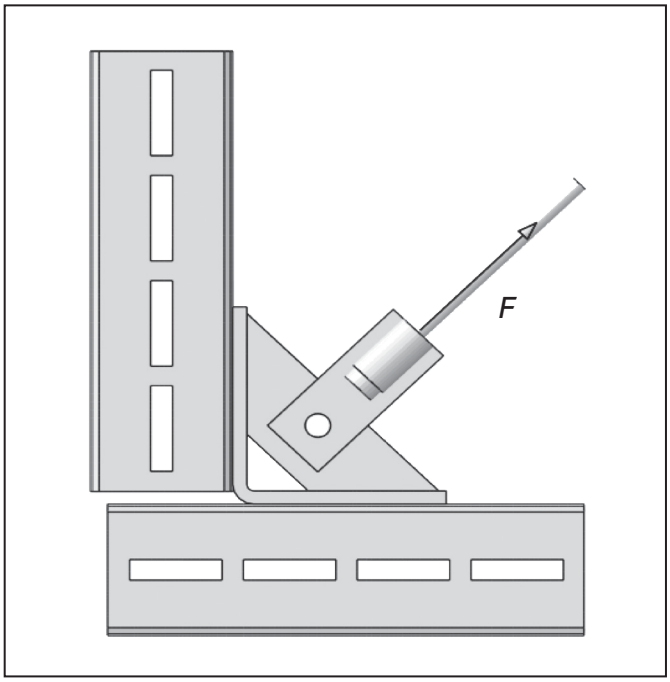
TENSIONING BRACKET

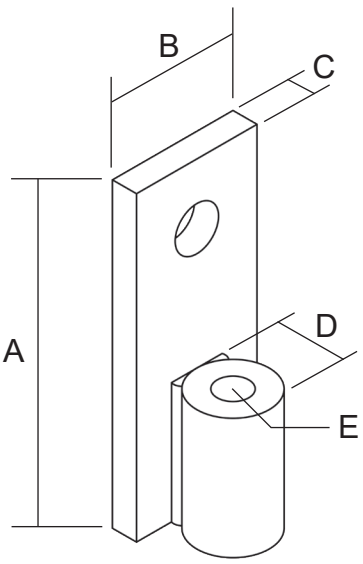
TECHNICAL DATA	
ZCA Part No:	SFS100-TB
S&T Part No:	P0112021
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised
For Profile:	SFS100 and SFS80



LOADING

PART NO.	THREADED ROD	ULTIMATE CAPACITY (*F*)
SFS100-TB	M12 Class 4.6	25.0 kN
	M12 Class 8.8	28.6 kN (M16 Class 4.6 bolt)
		30.0 kN (M16 Class 8.8 bolt)



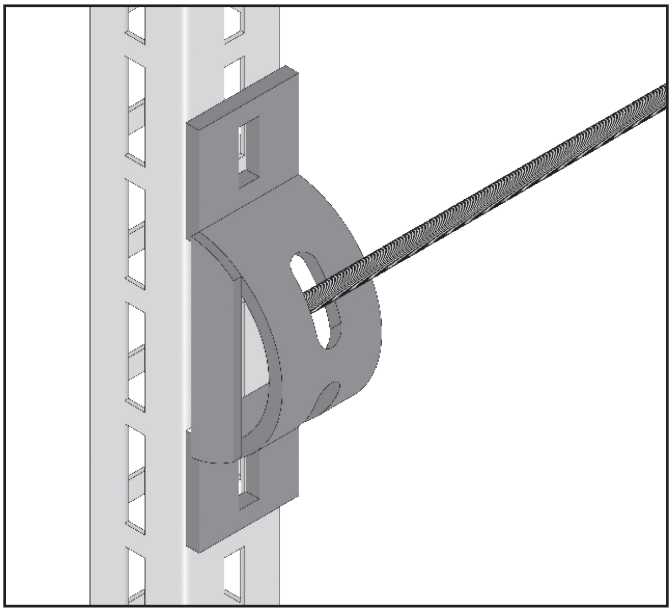


DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
SFS100-TB	125	50	10	30 Ø	13 Ø

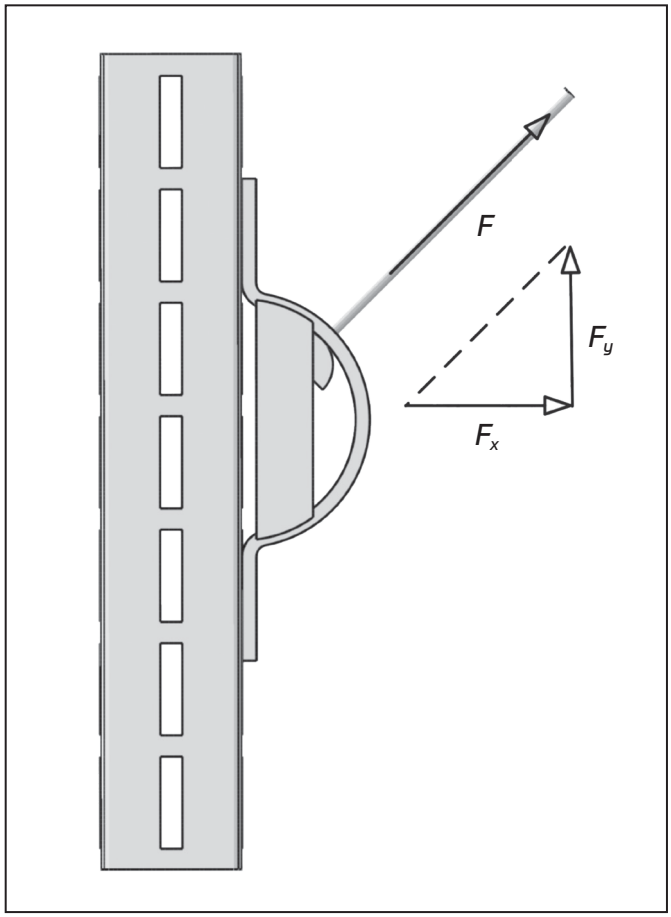
FLAT BRACE

TECHNICAL DATA	
ZCA Part No:	SFS100-FB
S&T Part No:	P0112006
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised

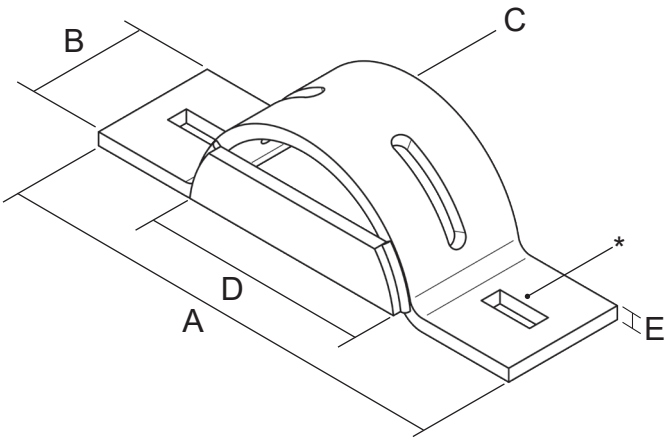


LOADING

PART No	THREADED ROD	ULTIMATE CAPACITY (*F*)
SFS100-FB	M12 Class 4.6	16.2 kN
	M12 Class 8.8	30.1 kN



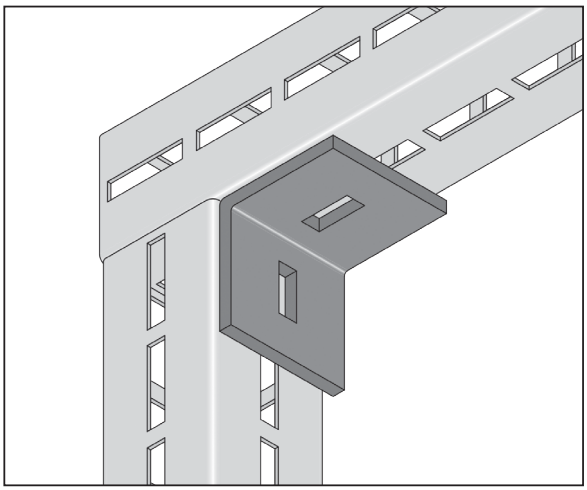
DIMENSIONS



PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	END SLOTS* (mm)
SFS100-FB	340	90	R90 Ø	169	10	15.5 × 40

ANGLE BRACKET

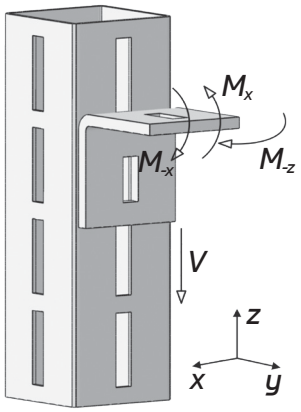
TECHNICAL DATA	
ZCA Part No:	SFS100-AB2
S&T Part No:	P0112007
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised



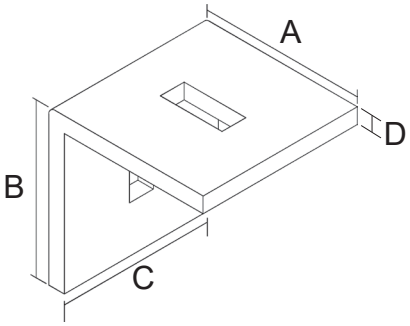
LOADING

NOTES:

1. SFSBOLT-M12S torqued to 100 Nm.



LOAD TYPE	ULTIMATE CAPACITY
M_x	0.26 kNm
M_{-x}	0.26 kNm
M_z, M_{-z}	0.22 kNm
V	14.0 kN



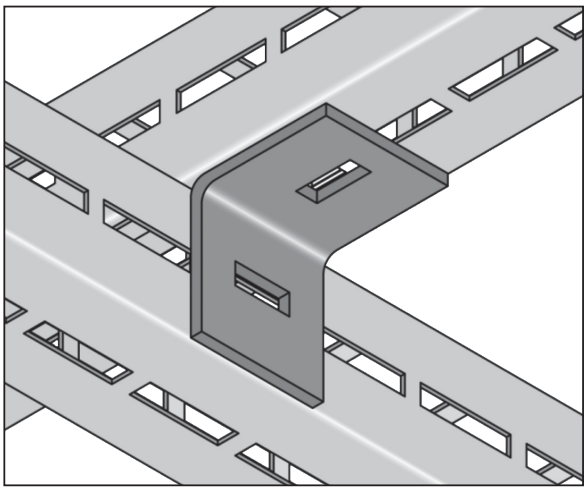
DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	SLOTS (mm)
SFS100-AB2	100	100	90	10	15.5 × 40

2 × SFSBOLT-M12S REQUIRED UNLESS SPECIFIED IN DESIGN DRAWING.

ANGLE BRACKET

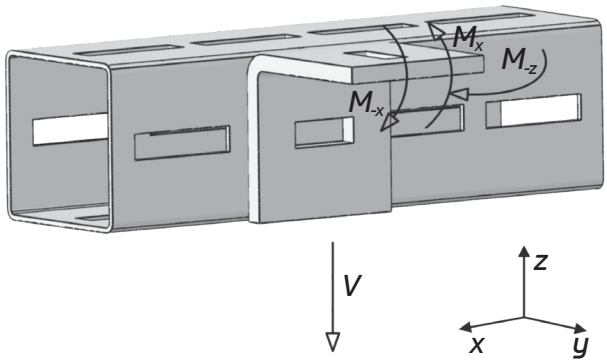
TECHNICAL DATA	
ZCA Part No:	SFS100-AB3
S&T Part No:	P0112008
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised



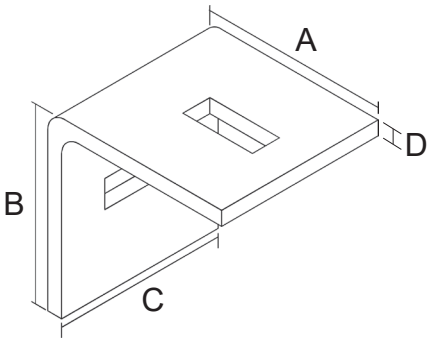
LOADING

NOTES:

1. SFSBOLT-M12S torqued to 80 Nm.



LOAD TYPE	ULTIMATE CAPACITY
M_x	0.26 kNm
M_{-x}	0.26 kNm
M_z, M_{-z}	0.28 kNm
V	14.0 kN

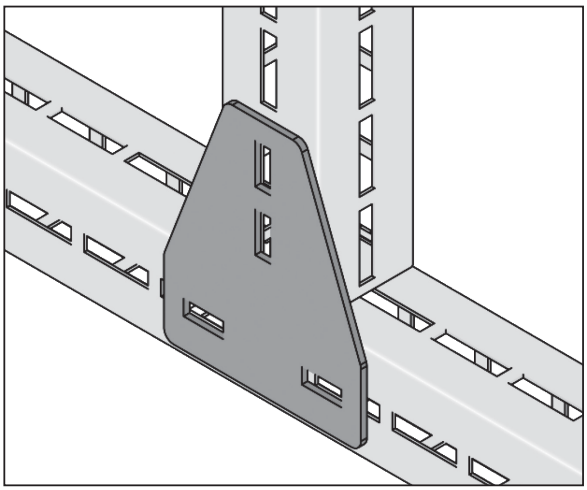


DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	SLOTS (mm)
SFS100-AB3	100	100	90	10	15.5 × 40

2× SFSBOLT-M12S REQUIRED UNLESS SPECIFIED IN DESIGN DRAWING.

T-PLATE

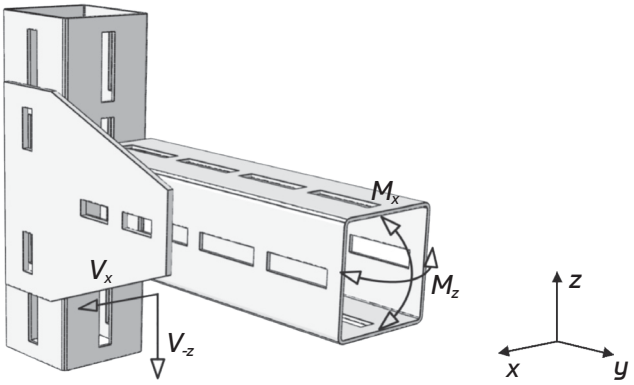


TECHNICAL DATA	
ZCA Part No:	SFS100-TP
S&T Part No:	P0112009
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised
For Profile:	SFS80 and SFS100

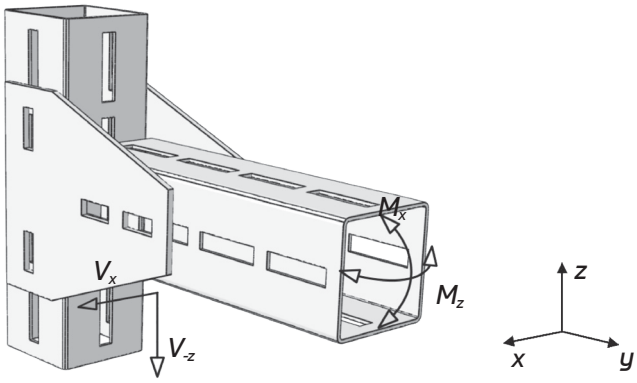
LOADING

NOTES:

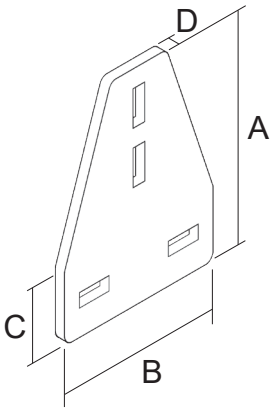
1. 4 No. SFSBOLT-M12S required for each plate.
2. SFSBOLT-M12S torqued to 100 Nm.



LOAD TYPE	ULTIMATE CAPACITY
M_x, M_{-x}	0.84 kNm
M_z, M_{-z}	0.36 kNm
V_x	13.9 kNm
V_{-x}	11.4 kN
V_z, V_{-z}	14.0 kN



LOAD TYPE	ULTIMATE CAPACITY
M_x, M_{-x}	1.68 kNm
M_z, M_{-z}	0.72 kNm
V_x, V_{-x}	25.4 kN
V_z, V_{-z}	28.0 kN



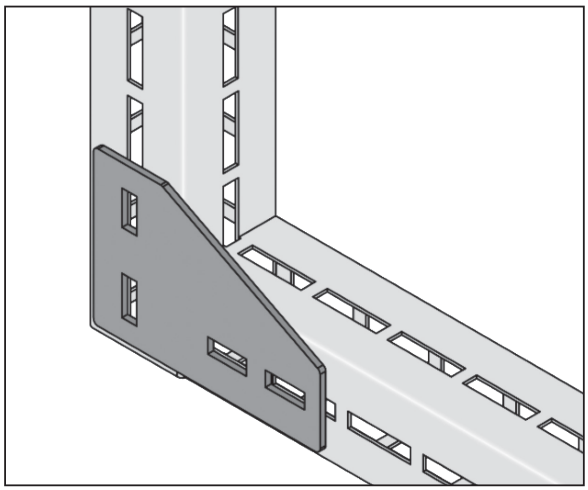
DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	SLOTS (mm)
SFS100-TP	240	200	75	6	15.5 × 40

4 × SFSBOLT-M12S REQUIRED UNLESS SPECIFIED IN DESIGN DRAWING.

L-PLATE

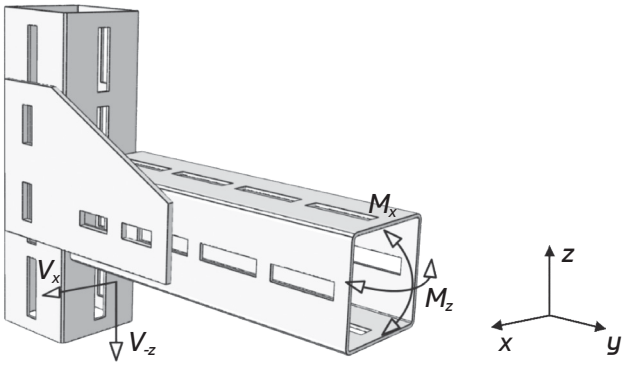
TECHNICAL DATA	
ZCA Part No:	SFS100-LP
S&T Part No:	P0112010
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised
For Profile:	SFS80 and SFS100



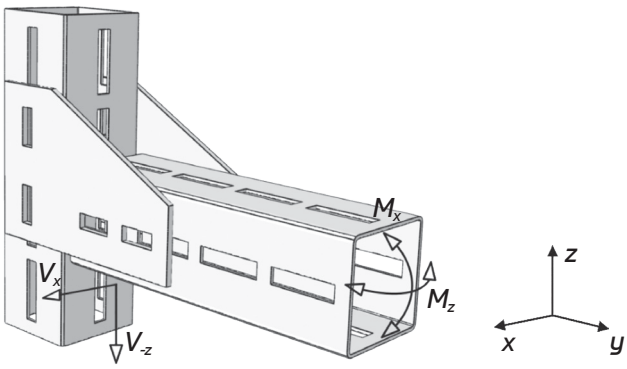
LOADING

NOTES:

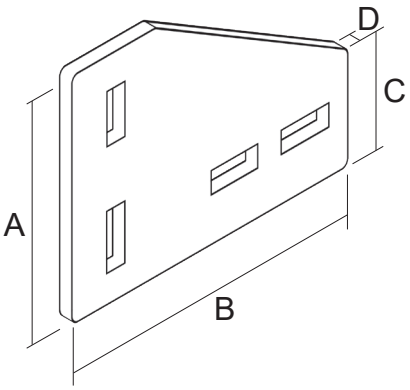
1. 4 No. SFSBOLT-M12S required for each plate.
2. SFSBOLT-M12S torqued to 100 Nm.



LOAD TYPE	ULTIMATE CAPACITY
M_x, M_{-x}	0.84 kNm
M_z, M_{-z}	0.29 kNm
V_x	13.9 kNm
V_{-x}	11.4 kN
V_z, V_{-z}	14.0 kN



LOAD TYPE	ULTIMATE CAPACITY
M_x, M_{-x}	1.68 kNm
M_z, M_{-z}	0.58 kNm
V_x, V_{-x}	25.4 kN
V_z, V_{-z}	28.0 kN



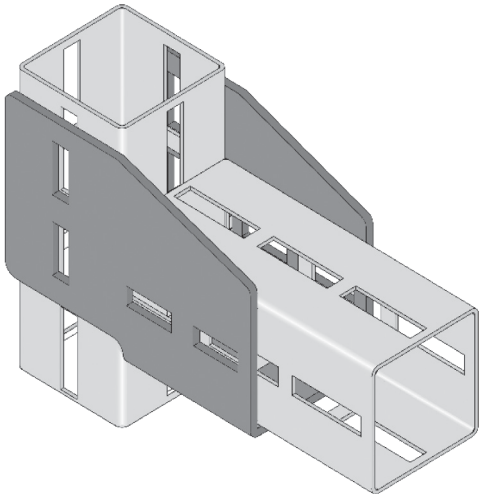
DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	SLOTS (mm)
SFS100-LP	160	240	75	6	15.5 × 40

4 × SFSBOLT-M12S REQUIRED UNLESS SPECIFIED IN DESIGN DRAWING.

SHOE

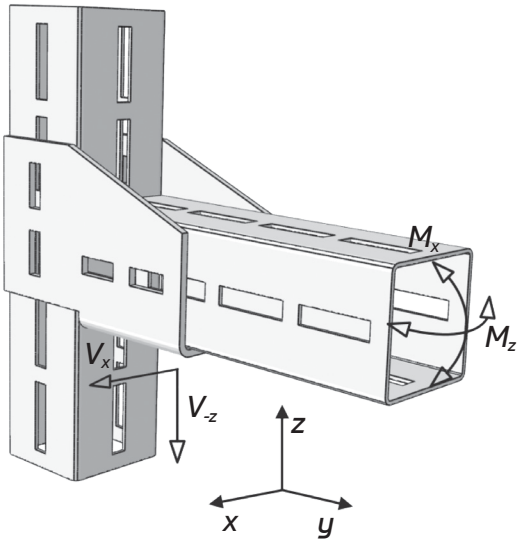
TECHNICAL DATA	
ZCA Part No:	SFS100-SHOE
S&T Part No:	P0112011
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised



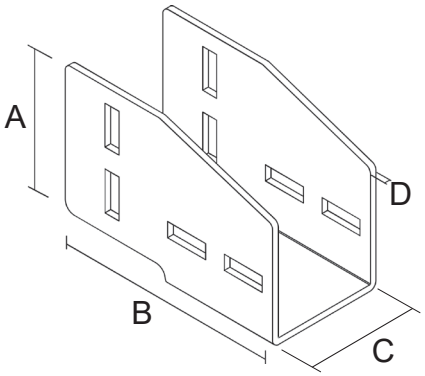
LOADING

NOTES:

1. SFSBOLT-M12S torqued to 100 Nm.



LOAD TYPE	ULTIMATE CAPACITY
M_x, M_{-x}	1.68 kNm
M_z, M_{-z}	0.53 kNm
V_x, V_{-x}	22.1 kN
V_z, V_{-z}	28.0 kN



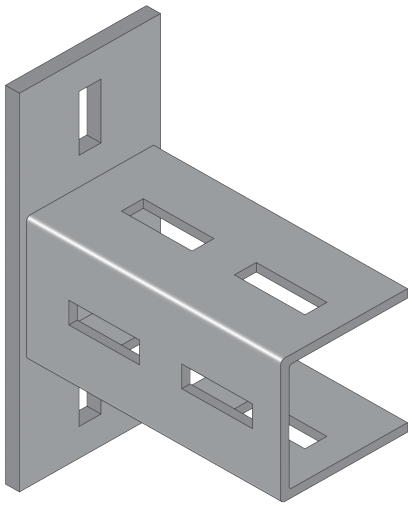
DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	SLOTS (mm)
SFS100-SHOE	160	230	112	6	15.5 × 40

8 × SFSBOLT-M12S REQUIRED UNLESS SPECIFIED IN DESIGN DRAWING.

2-WAY BRACKET

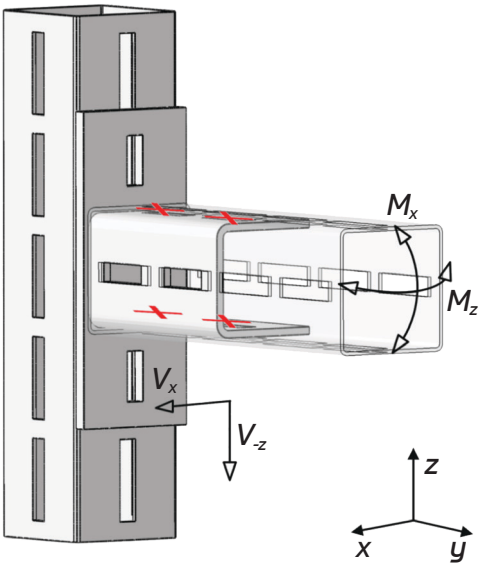
TECHNICAL DATA	
ZCA Part No:	SFS100-B2WAY
S&T Part No:	P0112012
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised



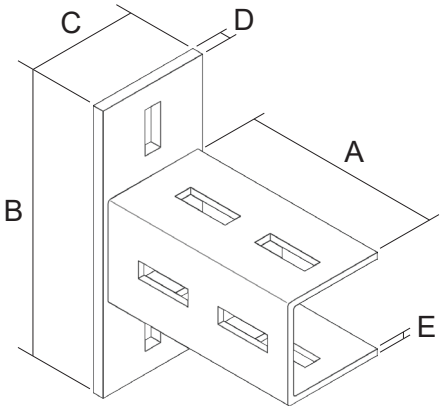
LOADING

NOTES:

1. 4 No. SFSBOLT-M12S required on the "U" channel on opposite sides (×).
2. SFSBOLT-M12S torqued to 100 Nm.



LOAD TYPE	ULTIMATE CAPACITY
M_x, M_{-x}	1.26 kNm
M_z, M_{-z}	0.55 kNm
V_x, V_{-x}	28.0 kN
V_z, V_{-z}	28.0 kN



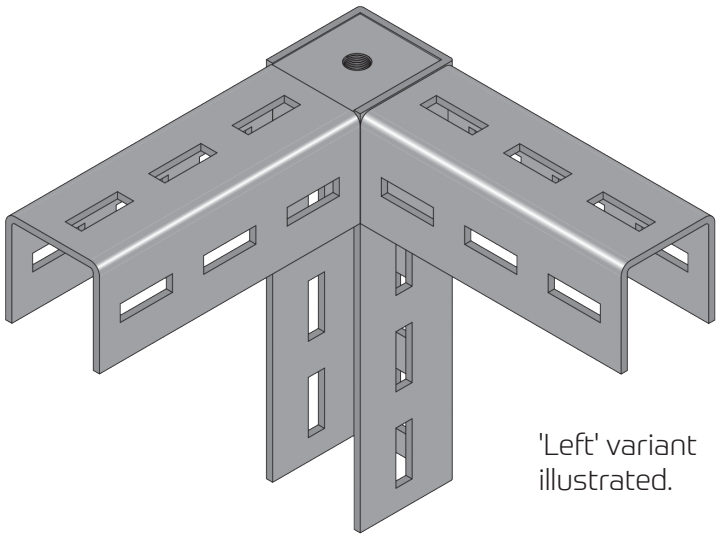
DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	SLOTS (mm)
SFS100-B2WAY	170	250	90	10	6	15.5 × 50

6 × SFSBOLT-M12S REQUIRED UNLESS SPECIFIED IN DESIGN DRAWING.

3-WAY BRACKET

TECHNICAL DATA	
ZCA Part Nos:	SFS100-B3WAY R SFS100-B3WAY L
S&T Part Nos:	Right - P0112013 Left - P0112028
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised

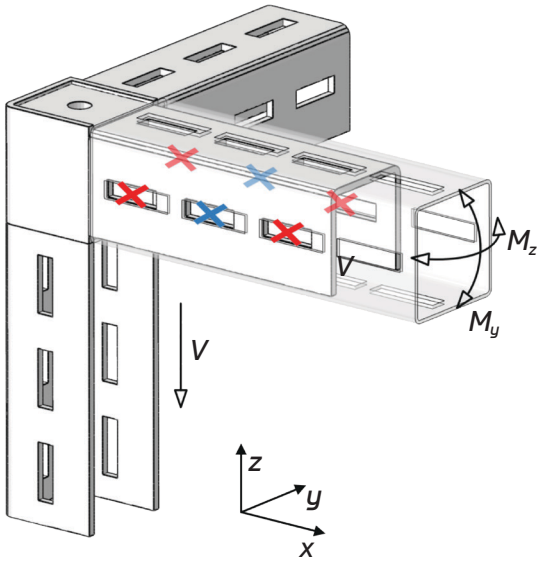


'Left' variant illustrated.

LOADING

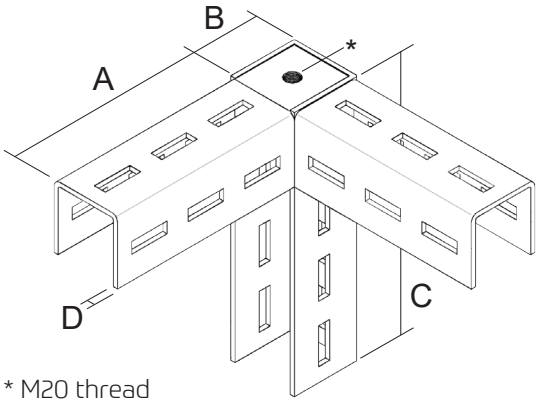
NOTES:

1. SFSBOLT-M12S torqued to 100 Nm.
2. 4 No. SFSBOLT-M12S set on opposite sides (×), 6 No. SFSBOLT-M12S set on opposite sides (××).
3. Bottom branch is a different direction for Left and Right 3-way brackets.



4 No. SFSBOLT-M12S (×)	
LOAD TYPE	ULTIMATE CAPACITY
M_y, M_{-y}	3.81 kNm
M_z, M_{-z}	2.52 kNm
V	28.0 kN

6 No. SFSBOLT-M12S (××)	
LOAD TYPE	ULTIMATE CAPACITY
M_y, M_{-y}	3.81 kNm
M_z, M_{-z}	3.78 kNm
V	28.0 kN



* M20 thread

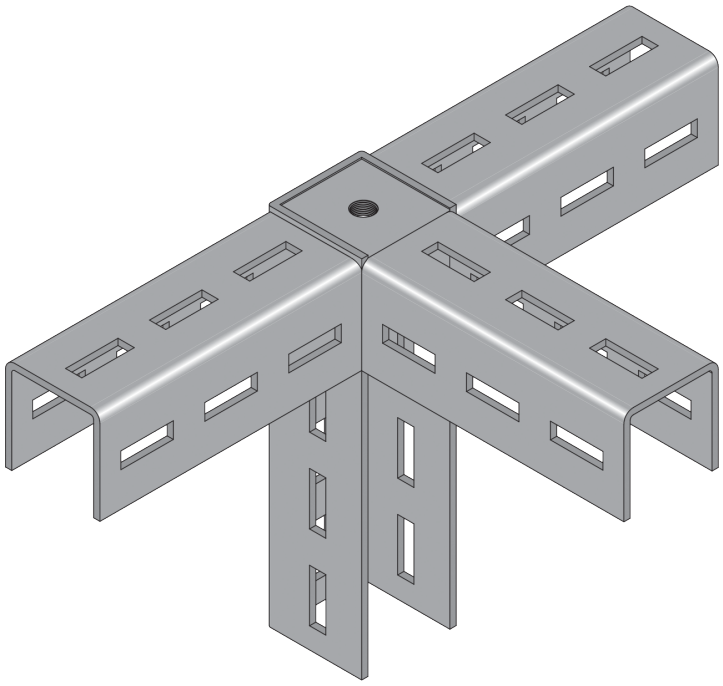
DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	SLOTS (mm)
SFS100-B3WAY	250	100	350	6	15.5 × 50

18 × SFSBOLT-M12S REQUIRED UNLESS SPECIFIED IN DESIGN DRAWING.

4-WAY BRACKET

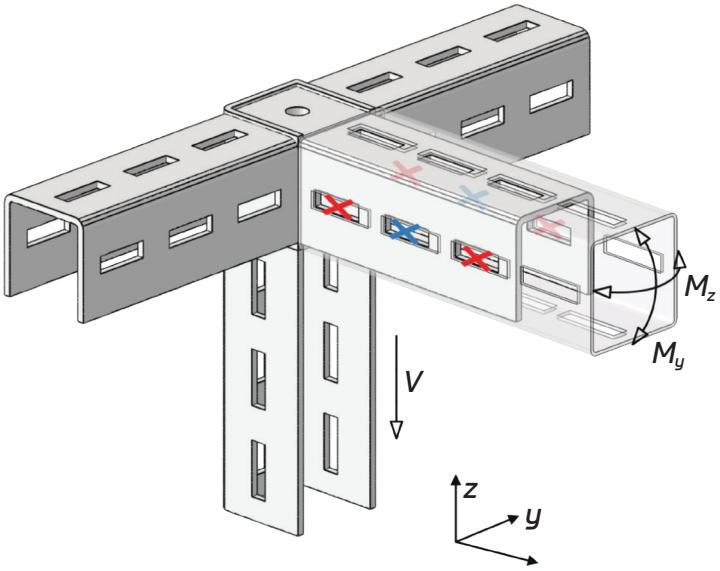
TECHNICAL DATA	
ZCA Part No:	SFS100-B4WAY
S&T Part No:	P0112014
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised



LOADING

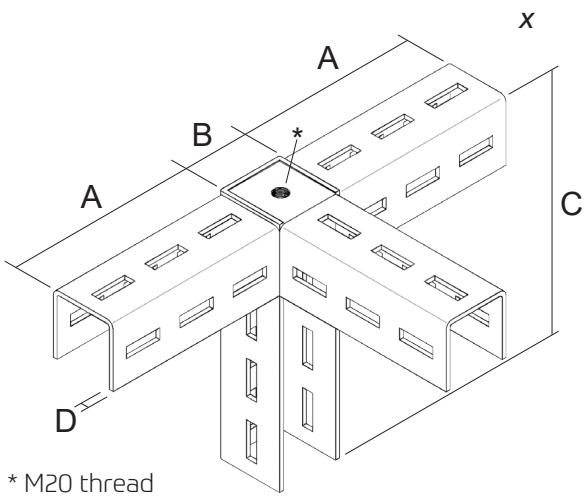
NOTES:

1. SFSBOLT-M12S torqued to 100 Nm.
2. 4 No. SFSBOLT-M12S set on opposite sides (×), 6 No. SFSBOLT-M12S set on opposite sides (××).



4 No. SFSBOLT-M12S (×)	
LOAD TYPE	ULTIMATE CAPACITY
M_y, M_{-y}	3.81 kNm
M_z, M_{-z}	2.52 kNm
V	28.0 kN

6 No. SFSBOLT-M12S (××)	
LOAD TYPE	ULTIMATE CAPACITY
M_y, M_{-y}	3.81 kNm
M_z, M_{-z}	3.78 kNm
V	28.0 kN



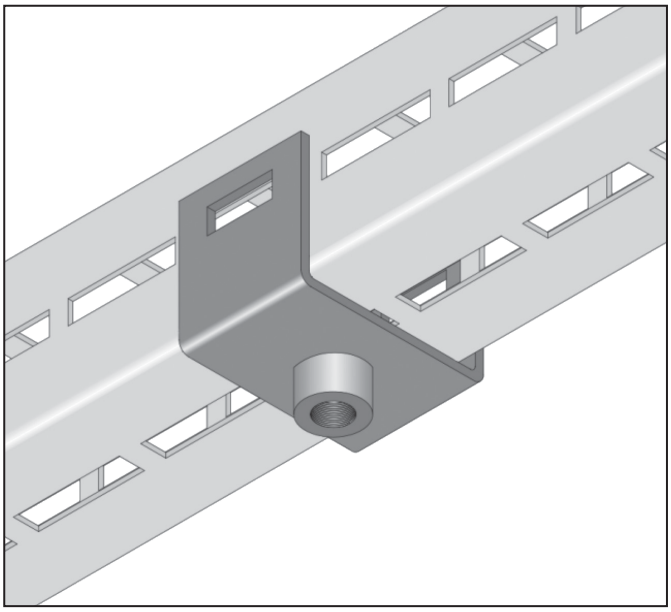
* M20 thread

DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	SLOTS (mm)
SFS100-B4WAY	250	100	350	6	15.5 × 50

THREAD CONNECTOR M16

TECHNICAL DATA	
ZCA Part No:	SFS100-TC-M16
S&T Part No:	P0112015
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised

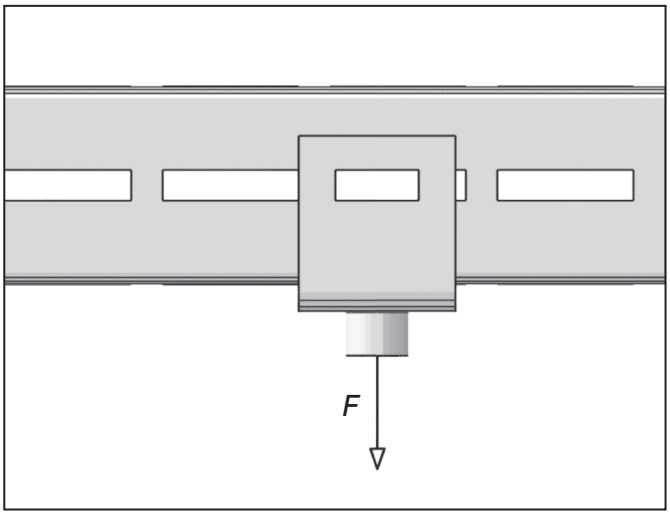


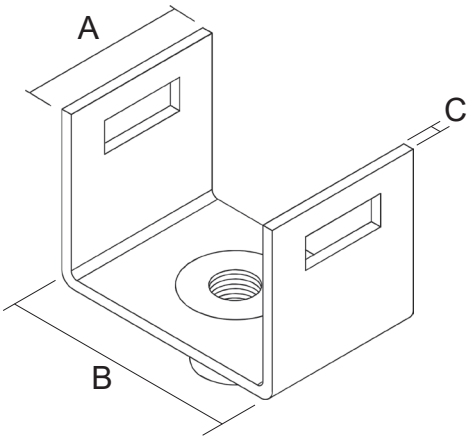
LOADING

LOAD TYPE	ULTIMATE CAPACITY
F	26.2 kN

NOTES:

1. 2 No. SFSBOLT-M12S required to fix to channel.
2. SFSBOLT-M12S torqued to 100 Nm.





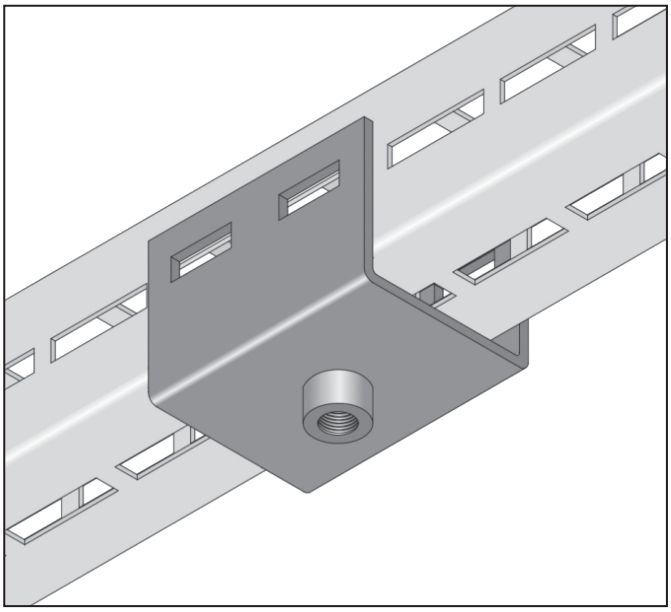
DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	THREAD (mm)	SLOTS (mm)
SFS100-TC-M16	75	112	6	16	15.5 × 40

2 × SFSBOLT-M12S REQUIRED UNLESS SPECIFIED IN DESIGN DRAWING.

THREAD CONNECTOR M20

TECHNICAL DATA	
ZCA Part No:	SFS100-TC-M20
S&T Part No:	P0112016
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised

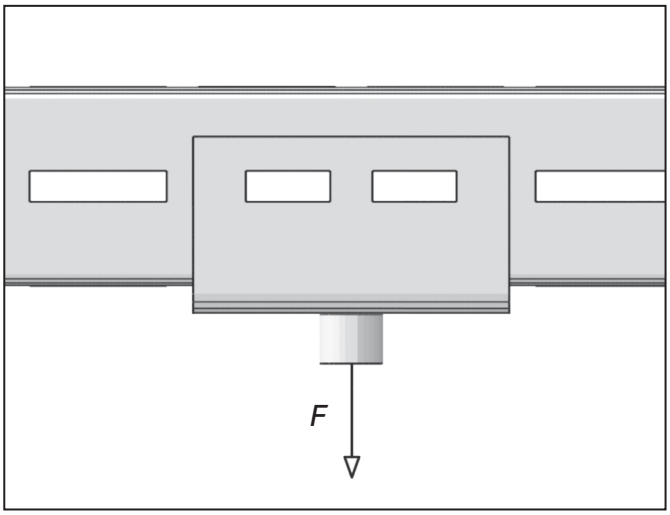


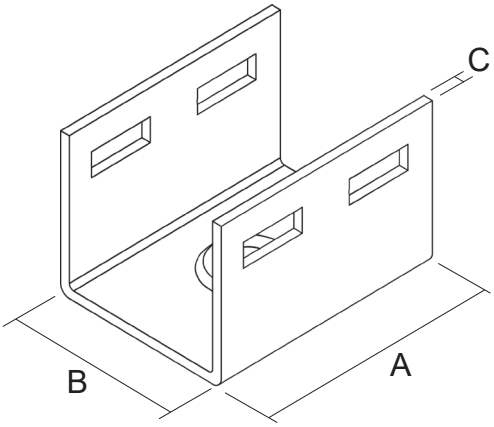
LOADING

LOAD TYPE	ULTIMATE CAPACITY
F	37.5 kN

NOTES:

1. 4 No. SFSBOLT-M12S required to fix to channel.
2. SFSBOLT-M12S torqued to 100 Nm.





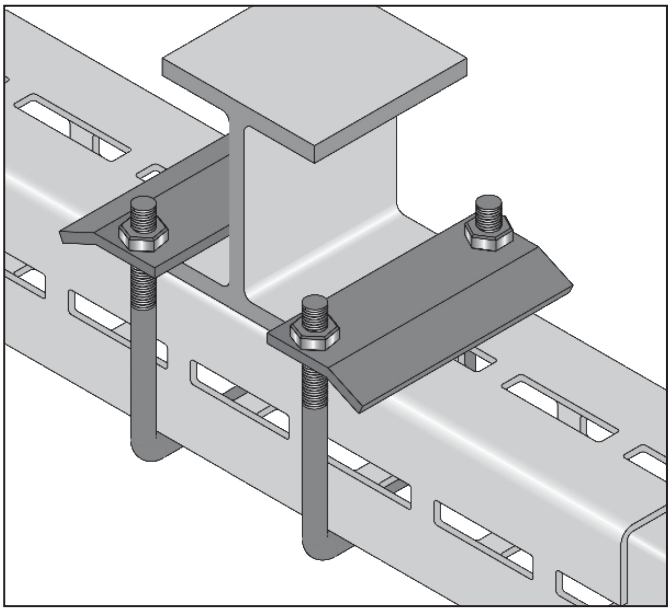
DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	THREAD (mm)	SLOTS (mm)
SFS100-TC-M16	150	112	6	20	15.5 × 40

4 × SFSBOLT-M12S REQUIRED UNLESS SPECIFIED IN DESIGN DRAWING.

BEAM CLAMP

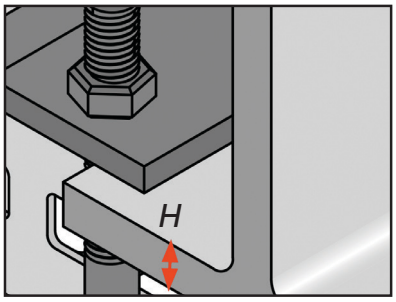
TECHNICAL DATA	
ZCA Part No:	SFS100-BC
S&T Part No:	P0112017
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised

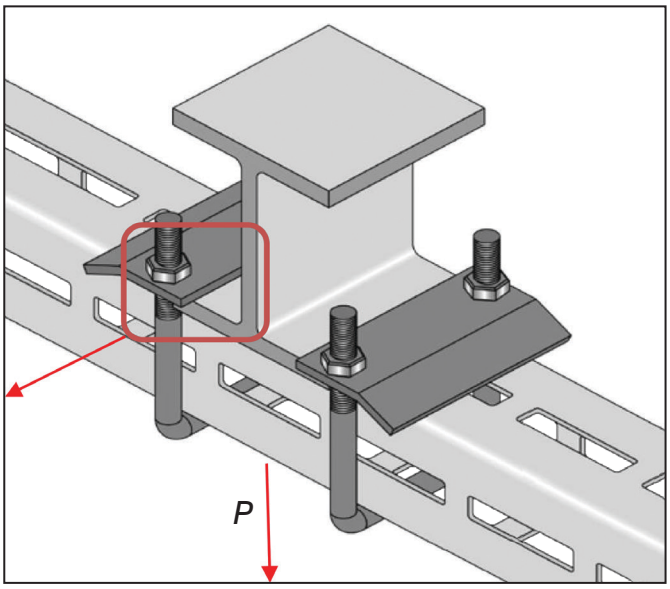


LOADING

NOTES:

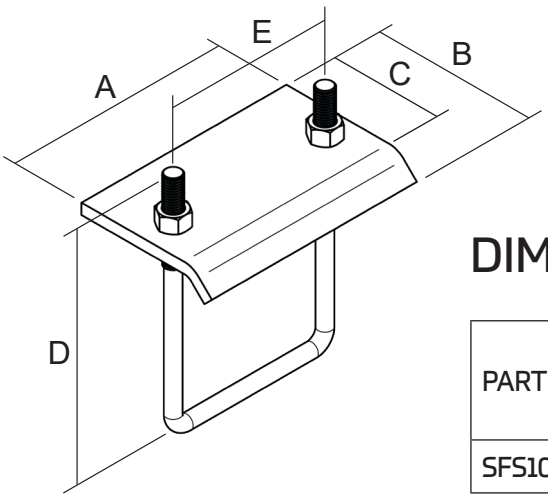
1. SFS100 Beam Clamps must be used as a pair.
2. Beam must be supported at both ends.
3. For M12 Class 4.6 U-Bolts, nut installation torque 30 Nm.





Beam flange thickness (**H**): 8 - 20 mm.

Working Load (**P**) per pair: 13.1 kN.

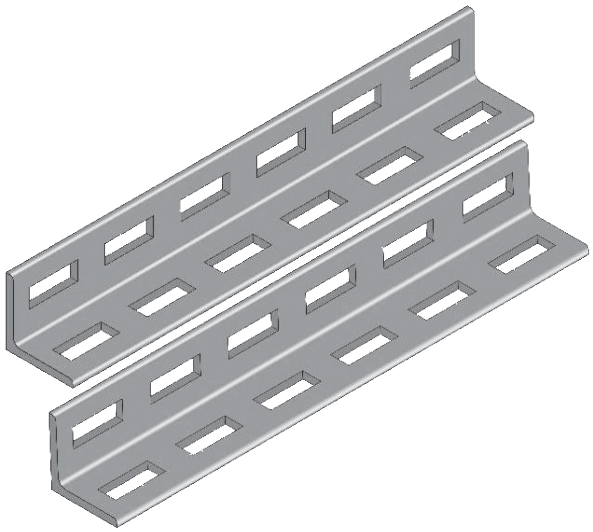


DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	CLAMP MATERIAL (mm)	U-BOLT
SFS100-BC	150	98	80.3	162	114	8	M12 × 1.75

JOINER SET

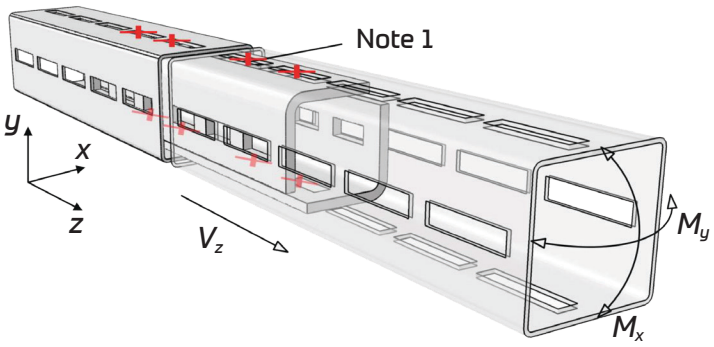
TECHNICAL DATA	
ZCA Part No:	SFS100-JOINER
S&T Part No:	P0112018
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised



LOADING

NOTES:

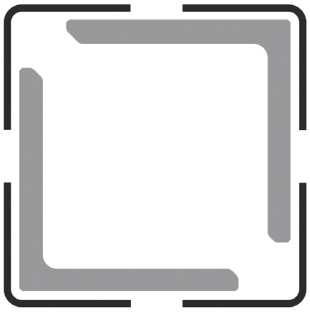
1. 8 No. SFSBOLT-M12S required to fix the joiner set (×).
2. SFSBOLT-M12S torqued to 100 Nm.

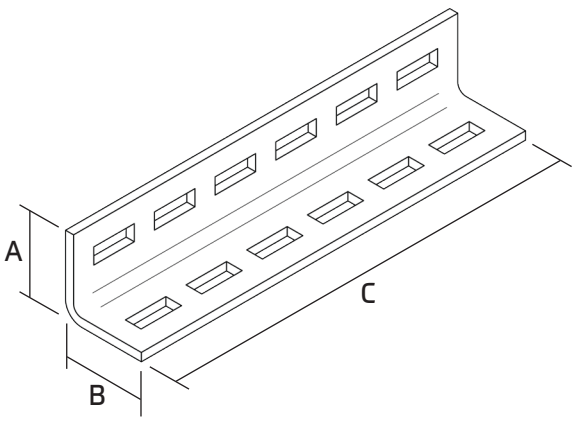


LOAD TYPE	ULTIMATE CAPACITY
M_x, M_y	2.63 kNm
V	56.0 kN

DIMENSIONS

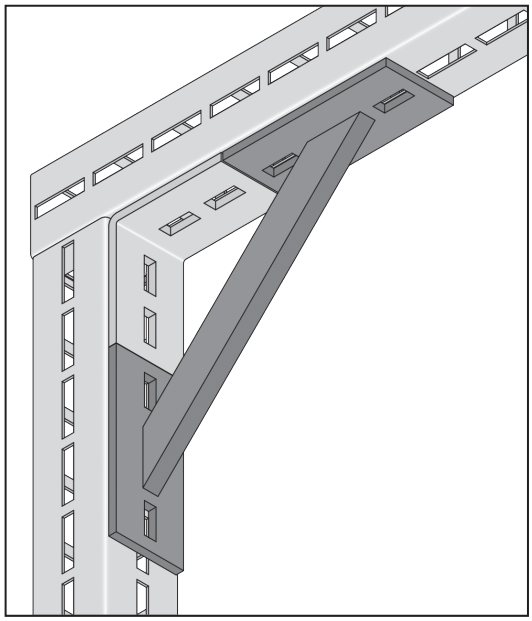
PART NO.	A and B (mm)	C (mm)	MATERIAL (mm)	SLOTS (mm)	SLOT SPACING (mm)
SFS100-JOINER	75	380	8	15.5 × 40	20





8 × SFSBOLT-M12S REQUIRED UNLESS SPECIFIED IN DESIGN DRAWING.

BRACE

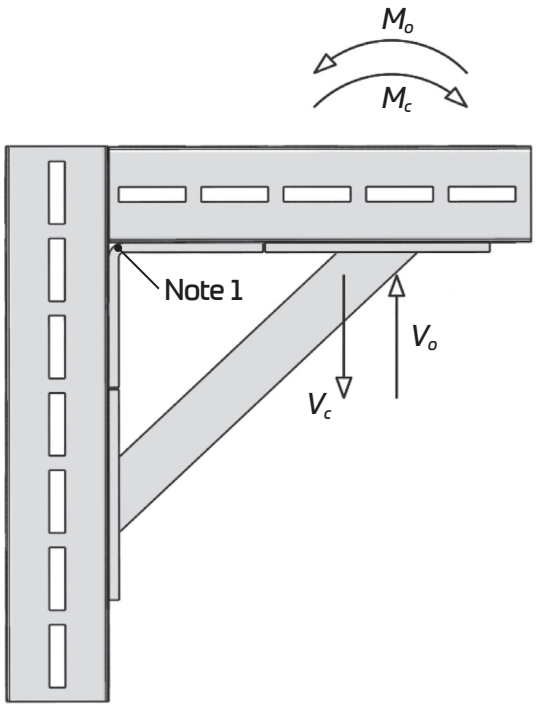


TECHNICAL DATA	
ZCA Part No:	SFS100-BRACE
S&T Part No:	P0112019
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised

LOADING

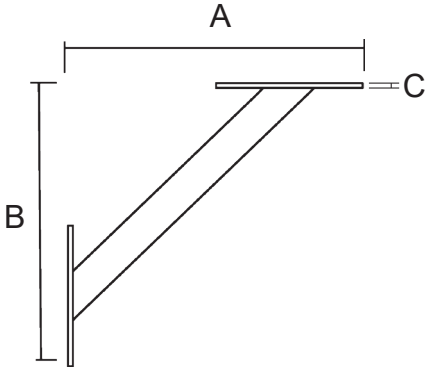
NOTES:

1. To be used in conjunction with SFS100-AB1 or SFS100-AB1G.
2. SFSBOLT-M12S torqued to 100 Nm.



Beam Case (Supported on both sides)	
M_c	2.55 kNm
M_o	1.85 kNm
V_c	19.08 kN
V_o	8.74 kN

Cantilever Case (Supported on only one side)	
M_c	1.61 kNm
M_o	1.85 kNm
V_c	6.88 kN
V_o	8.74 kN



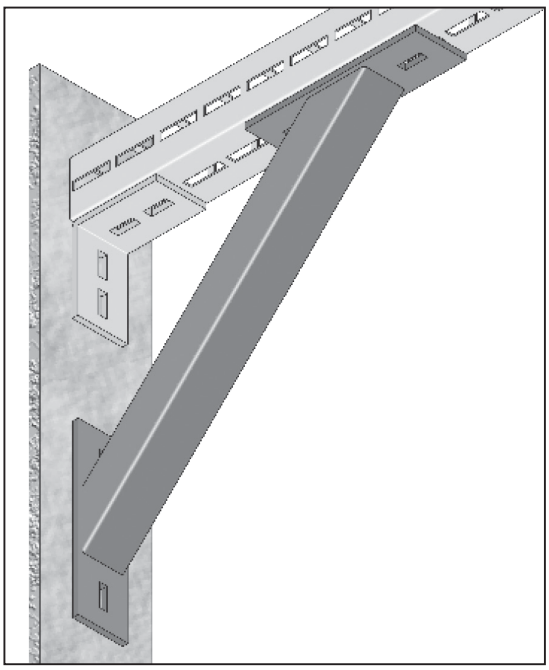
DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	SLOTS (mm)
SFS100-BRACE	370	370	10	15.5 × 40

4 × SFSBOLT-M12S REQUIRED UNLESS SPECIFIED IN DESIGN DRAWING.

BRACE MUST BE USED IN CONJUNCTION WITH SFS100-AB1 OR SFS100-AB1G.

WALL BRACE

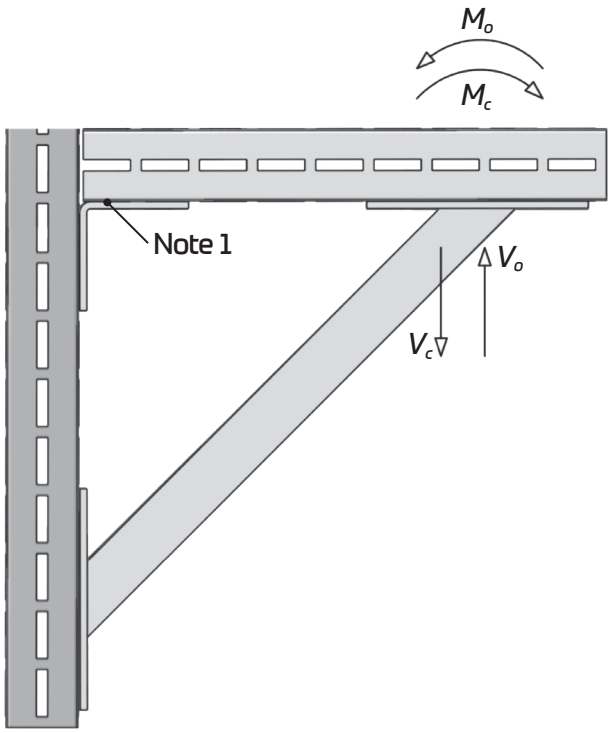


TECHNICAL DATA	
ZCA Part No:	SFS100-WALLBRACE
S&T Part No:	P0112020
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised

LOADING

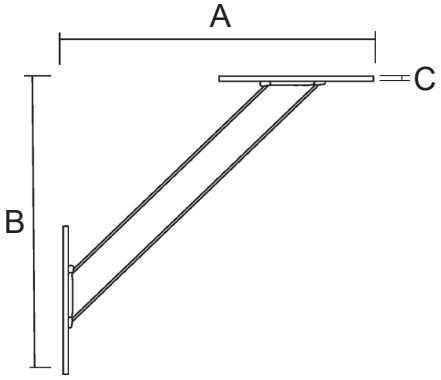
NOTES:

1. To be used in conjunction with SFS100-AB1 or SFS100-AB1G.
2. SFSBOLT-M12S torqued to 100 Nm.



Beam Case (Supported on both sides)	
M_c	4.85 kNm
M_o	2.95 kNm
V_c	24.62 kN
V_o	9.59 kN

Cantilever Case (Supported on only one side)	
M_c	2.40 kNm
M_o	2.95 kNm
V_c	13.13 kN
V_o	9.59 kN



DIMENSIONS

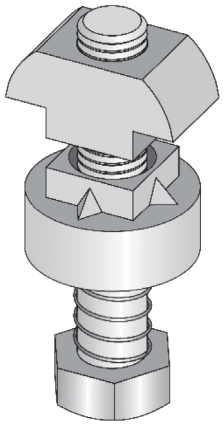
PART NO.	A (mm)	B (mm)	C (mm)	SLOTS (mm)
SFS100-WALLBRACE	700	700	10	15.5 × 40

4 × SFSBOLT-M12S REQUIRED UNLESS SPECIFIED IN DESIGN DRAWING.

BRACE MUST BE USED IN CONJUNCTION WITH SFS100-AB1 OR SFS100-AB1G.

SPRING BOLTS

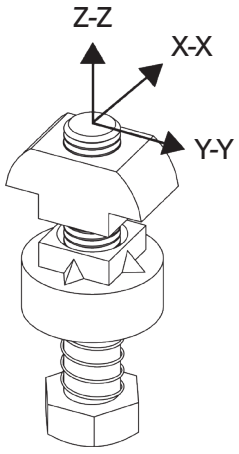
TECHNICAL DATA	
ZCA Part Nos:	SFSBOLT-M12S
S&T Part Nos:	P0112060
Material:	Mild Steel
Material Type:	10.9 Grade Steel
Finish:	Zinc-Nickel
For Profile:	SFS80 and SFS100
Features:	Form Locking Connection



LOADING

NOTES:

1. SFSBOLT-M12S (P0112060) for use with fixings that come with 15.5 mm slots to suit Support Frame Systems 80 and 100.
2. SFSBOLT-M12S torqued to 100 Nm.
3. Suitable for both indoor and outdoor applications.
4. Not for use in cases where the bolt is continually subject to corrosive atmosphere, e.g., tidal zones, high corrosive environments, etc.

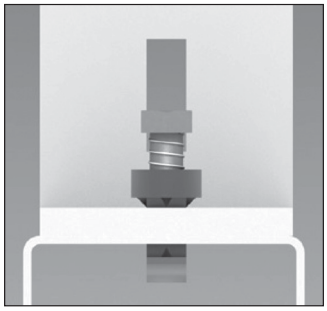


LOAD TYPE	ULTIMATE CAPACITY
	SFSBOLT-M12S
X-X (along slot)	10 kNm
Y-Y (perpendicular to slot)	10 kNm
Z-Z	3 kN

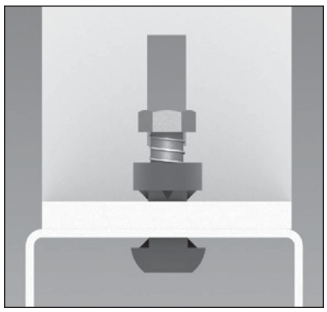
INSTALLATION

1. Insert bolt through fitting and section.
2. Push down bolt head and rotate 90° allowing it to lock in place.
3. Tighten to 100 Nm for M12.

1



2



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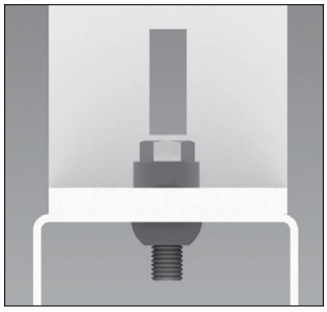
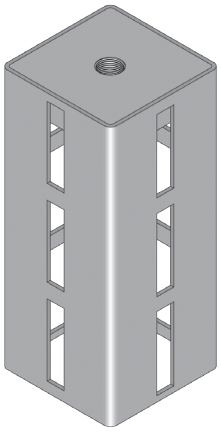


LIFTING ACCESSORIES

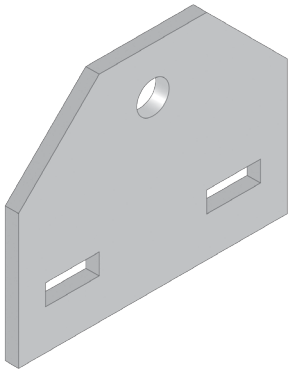
WELDED LIFTING PLUG

Part Nos:	Description	Thread	Finish	Working Load Limit (kg)
ZCA: SFS50-WLP S&T: P0095454	SFS50 welded lifting plate	M12	Hot-dip galvanised	1500
ZCA: SFS80-WLP S&T: P0095454	SFS80 welded lifting plate	M20	Hot-dip galvanised	2000
ZCA: SFS100-WLP S&T: P0095454	SFS100 welded lifting plate	M20	Hot-dip galvanised	2000



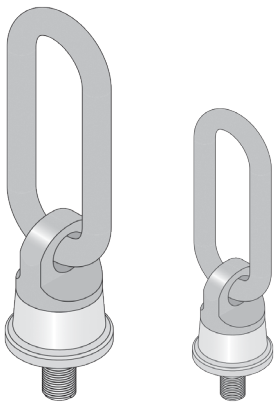
LIFTING BRACKET

Part No:	Description	Hole (mm)	Finish	Working Load Limit (kg)
ZCA: SFS80-LB S&T: P0096631	SFS80 lifting bracket	24	Hot-dip galvanised	2000
ZCA: SFS100-LB S&T: P0096631	SFS100 lifting bracket	24	Hot-dip galvanised	2000



LIFTING LUG

Part No:	Description	Thread	Finish	Working Load Limit (kg)
ZCA: SFS50-LL S&T: P0095030	SFS50 lifting lug	M12	Painted	1500
ZCA: SFS80-LL S&T: P0095030	SFS80 lifting lug	M20	Painted	2000
ZCA: SFS100-LL S&T: P0095030	SFS100 lifting lug	M20	Painted	2000

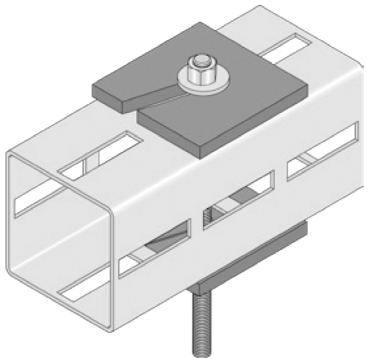


Contact Zip-Clip Technical Department to discuss appropriate lifting lug.

OTHER ACCESSORIES

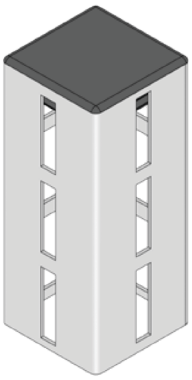
REINFORCEMENT WASHER

Part No.	Description	Dimensions (mm)	Compatible With	Finish
ZCA: SFS100-RW S&T: P0111573	SFS100 Reinforcement washer	100 × 100 × 10 Slot width 14	M10 and M12 rod	Hot-dip galvanised



END CAP

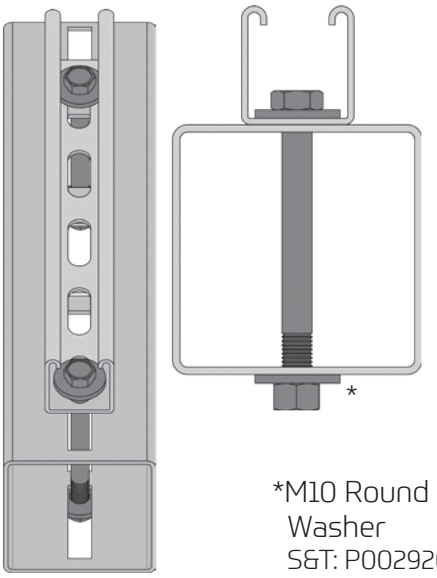
Part No.	Description	Colour
ZCA: SFS100-CAP S&T: P0112022	SFS100 end cap	Orange



STRUT CONNECTION GUIDE

Relevant for all systems – 50, 80 and 100

System Size	Bolt and Nut	Washer*
ZCA: SFS50 S&T: P0011791	M10 × 75	M10
ZCA: SFS80 S&T: P0010713	M10 × 110	M10
ZCA: SFS100 S&T: P0010838	M10 × 130	M10



*M10 Round Washer
S&T: P0029264

DISCLAIMER:
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