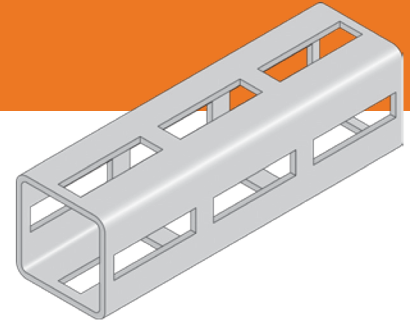


SUPPORT FRAME SYSTEM 80

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

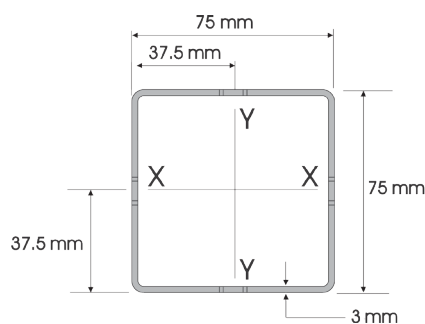
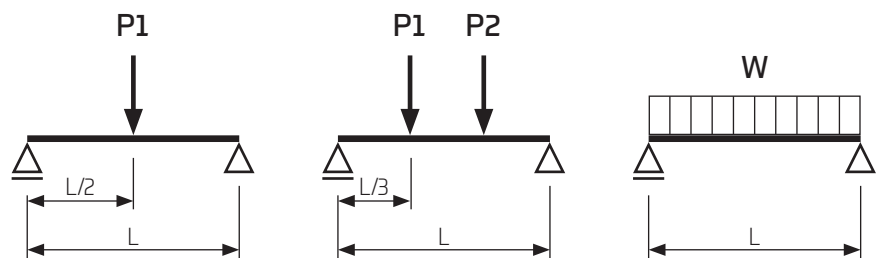
ZCA System No:	SFS80
S&T System No:	P0112023
AON Listing No:	BB031 *refer to the NZS4541 design guide
Material:	Mild Steel
Material Type:	345 MPa
Finish:	Hot-dip galvanised

DATA SUMMARY

Dimensions:	75 × 75 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.



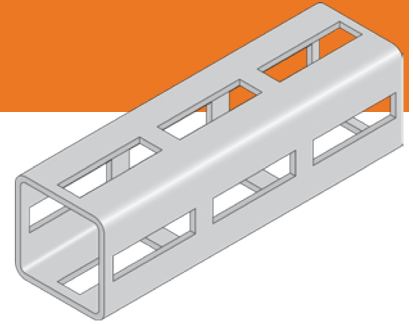
SECTION PROPERTIES	Part No./System	SFS80
	Weight, Kg/m	5.76
	Area of Section, mm ²	655
X-X AXIS	Moment of Inertia, $I \times 10^6$ mm ⁴	0.594
	Section Modulus, $Z \times 10^3$ mm ³	15.83
	Radius of Gyration, r mm	30.11
Y-Y AXIS	Moment of Inertia, $I \times 10^6$ mm ⁴	0.594
	Section Modulus, $Z \times 10^3$ mm ³	15.83
	Radius of Gyration, r mm	30.11

SPAN (L)	P1 Kg	P2 Kg	W Kg (Uniform)
1000	1494	1120	2805
1500	993	745	1986
2000	720*	422*	1157*
2500	456*	268*	730*
3000	313*	184*	500*
3500	225*	132*	360*
4000	168*	94*	269*
4500	128*	75*	205*
5000	99*	58*	159*
5500	77*	45*	124*
6000	60*	35*	97*

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 80



TECHNICAL DATA

System No: SFS80

COMPRESSION CAPACITY

Le (m)	ØNc (kN)
0.0	203.3
0.5	201.3
1.0	191.8
1.5	176.7
2.0	154.4
2.5	125.8
3.0	97.9
3.5	75.9
4.0	59.8
4.5	48.0
5.0	39.4
5.5	32.8
6.0	27.7

▲ 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

ØMs (kNm)

5.51

SHEAR CAPACITY

ØVv (kN)

29.5

▲ 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

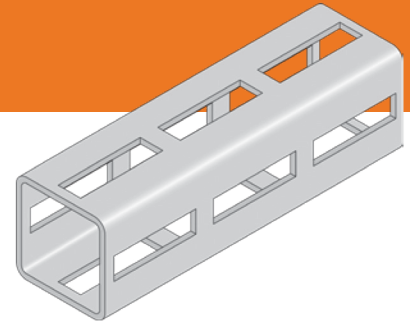
ØRby (kN)

12.5

▲ NOTES:

1. Capacities calculated to AS4100 Steel Structures Standard.
2. Capacity based on:
 - 75 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).

SUPPORT FRAME SYSTEM 80



TECHNICAL DATA

System No: SFS80

COMPRESSION CAPACITY

Le (m)	ØNc (kN)
0.0	203.3
0.5	201.3
1.0	191.8
1.5	176.7
2.0	154.4
2.5	125.8
3.0	97.9
3.5	75.9
4.0	59.8
4.5	48.0
5.0	39.4
5.5	32.8
6.0	27.7

▲ 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

ØMs (kNm)	ØVv (kN)
5.51	29.5

▲ 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)
12.5

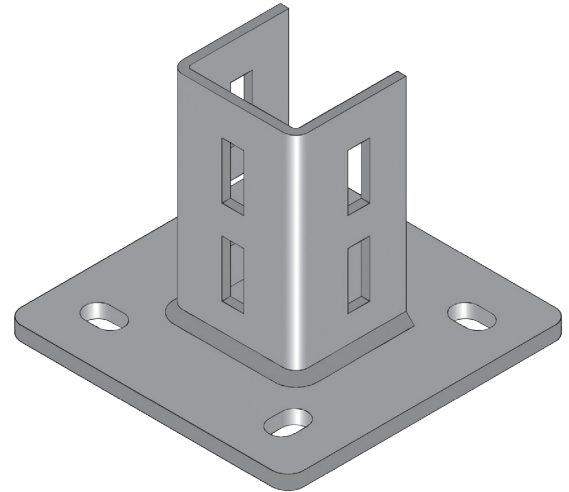
▲ NOTES:

1. Capacities calculated to AS4100 Steel Structures Standard.
2. Capacity based on:
 - 75 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:	SF580-STD-BP
S&T Part No:	P0112024
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised



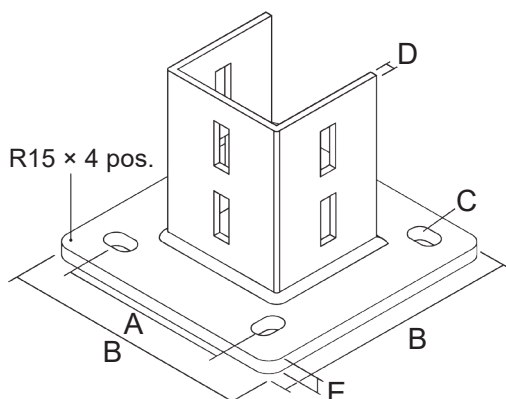
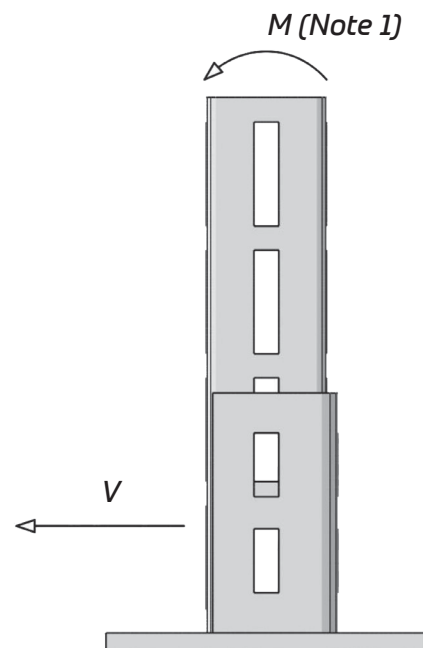
LOADING

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

<i>M</i>	3.60 kN
<i>V</i>	32.8 kN



DIMENSIONS

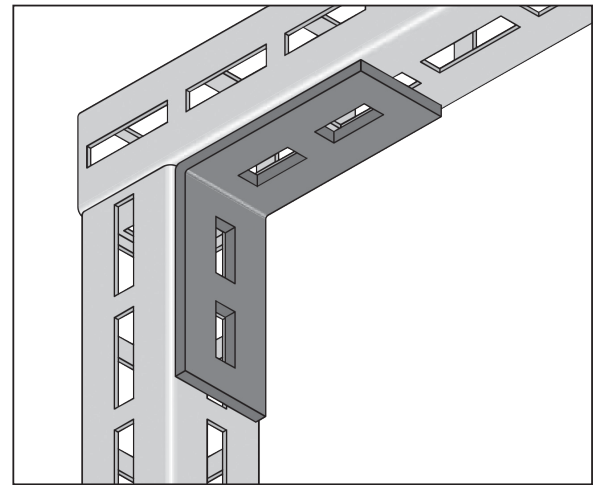
PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	SLOTS (mm)
SF580-STD-BP	130	200	18 x 27	6	10	15.5 x 40

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

ANGLE BRACKET

TECHNICAL DATA

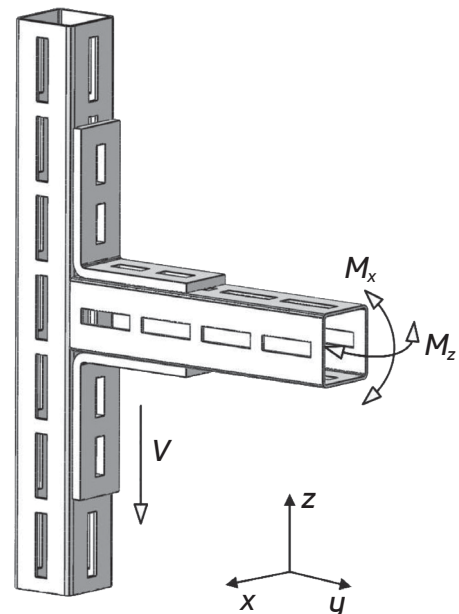
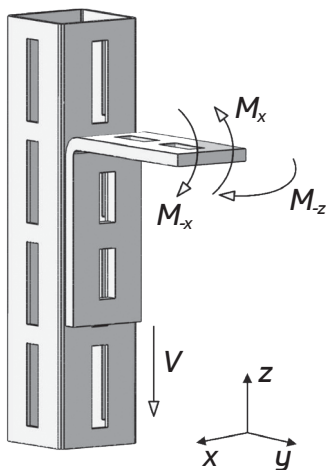
ZCA Part No:	SF580-AB1
S&T Part No:	P0112025
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised



LOADING

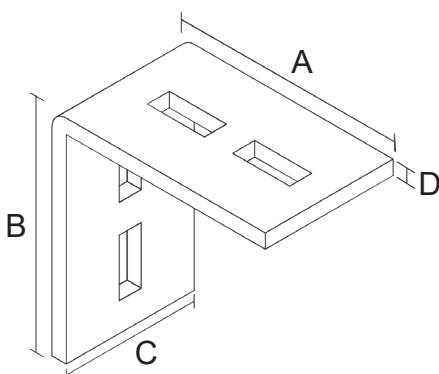
NOTES:

1. SFSBOLT-M12S torqued to 100 Nm.



LOAD TYPE	ULTIMATE CAPACITY
M_x	0.34 kNm
M_y	0.26 kNm
M_z, M_z	0.25 kNm
V	28.0 kN

LOAD TYPE	ULTIMATE CAPACITY
M_x, M_y	1.24 kNm
M_z, M_z	0.49 kNm
V	33.8 kN

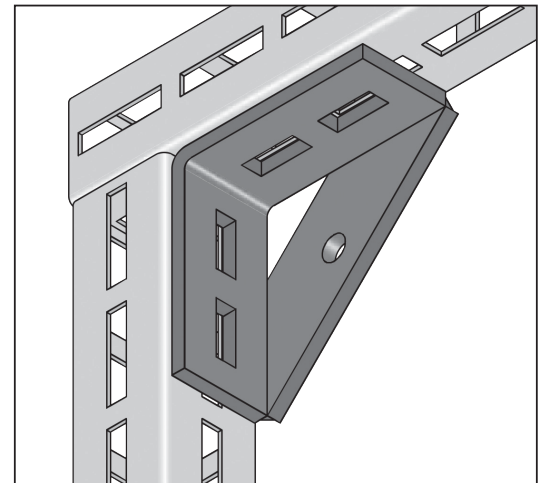


DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	SLOTS (mm)
SF580-AB1	150	150	65	10	15.5 × 40

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

ANGLE BRACKET WITH GUSSET



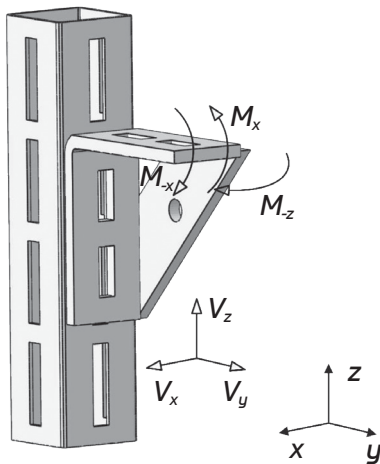
TECHNICAL DATA

ZCA Part No:	SFS80-AB1G
S&T Part No:	P0112026
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised

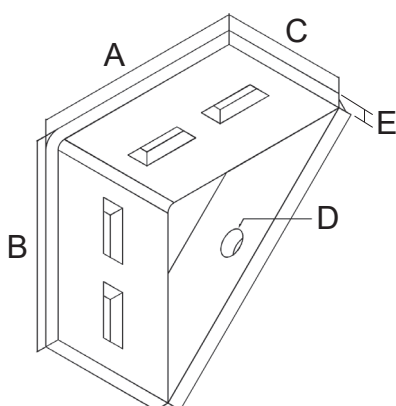
LOADING

NOTES:

1. SFSBOLT-M12S torqued to 100 Nm.



LOAD TYPE	ULTIMATE CAPACITY
M_x	0.47 kNm
M_y	0.55 kNm
M_z, M_z	0.42 kNm
V_x	28.0 kN
V_y	9.6 kN
V_z	28.0 kN

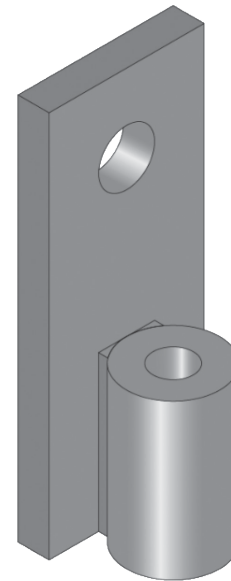


DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	SLOTS (mm)
SFS80-AB1G	150	150	65	18 Ø	10	15.5 × 40

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

TENSIONING BRACKET

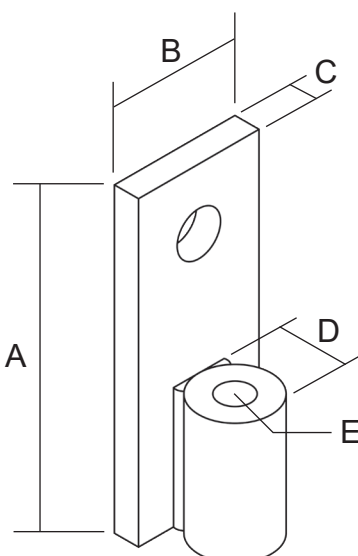
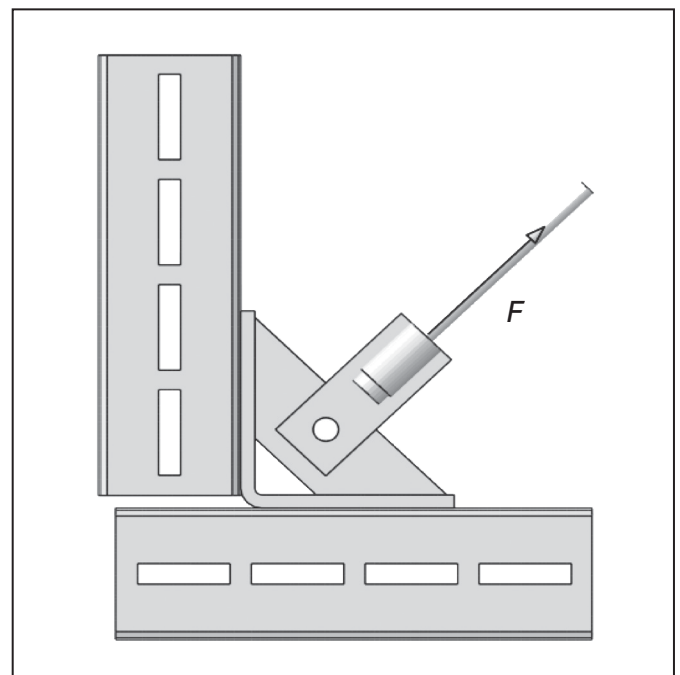


TECHNICAL DATA

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

LOADING

PART NO.	THREADED ROD	ULTIMATE CAPACITY (F)
SFS80-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)



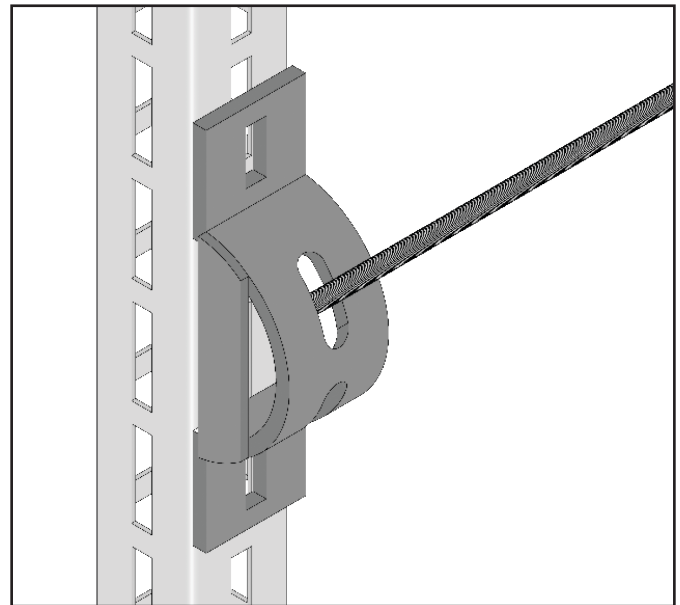
DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
SFS80-TB	125	50	10	30 Ø	13 Ø

FLAT BRACE

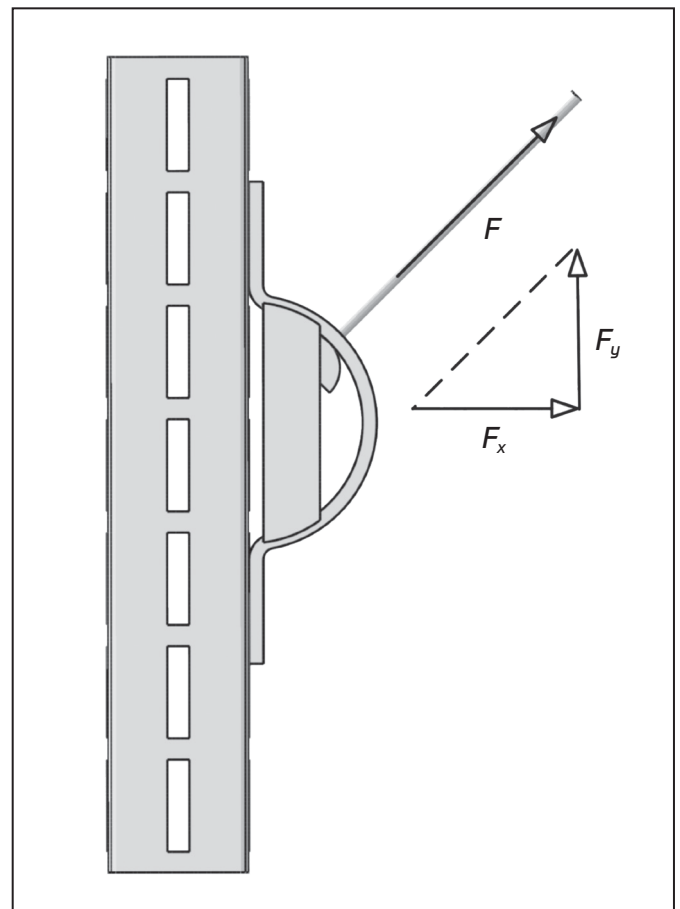
TECHNICAL DATA

ZCA Part No:	SFS80-FB
S&T Part No:	P0112027
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised

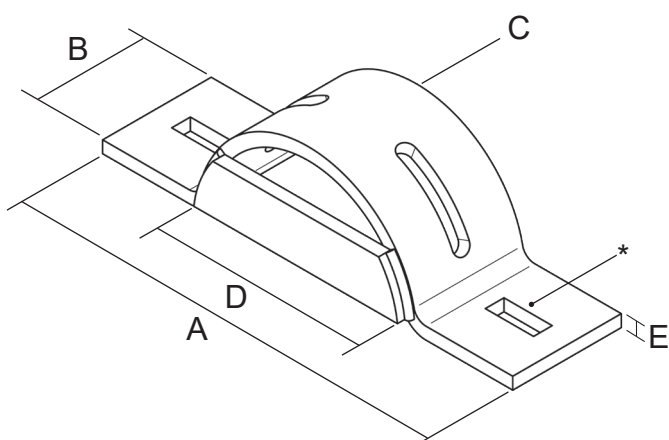


LOADING

PART No	THREADED ROD	ULTIMATE CAPACITY (F)
SFS80-FB	M12 Class 4.6	16.2 kN
	M12 Class 8.8	30.1 kN



DIMENSIONS

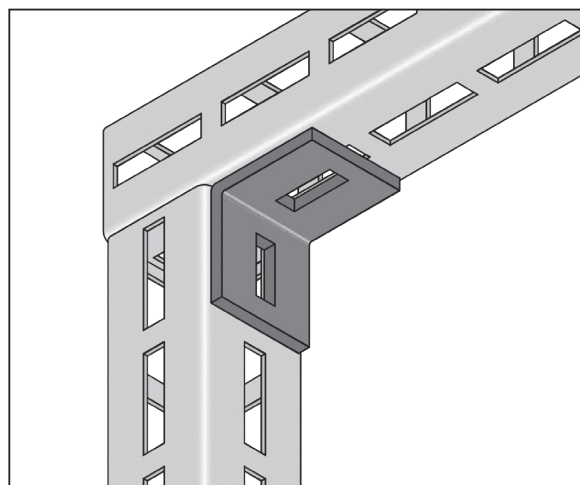


PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	END SLOTS* (mm)
SFS80-FB	340	75	R90 Ø	169	10	15.5 × 40

ANGLE BRACKET

TECHNICAL DATA

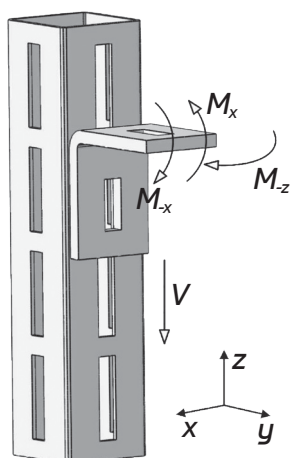
ZCA Part No:	SFS80-AB2
S&T Part No:	PC112029
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised



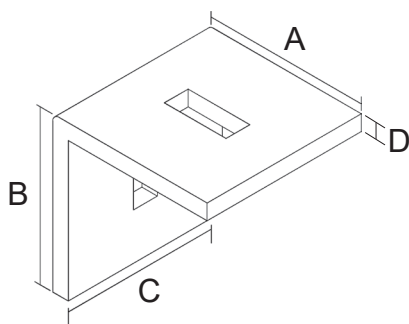
LOADING

NOTES:

1. SFSBOLT-M125 torqued to 100 Nm.



LOAD TYPE	ULTIMATE CAPACITY
M_x	0.25 kNm
M_{-x}	0.25 kNm
M_z, M_{-z}	0.28 kNm
V	14.0 kN



DIMENSIONS

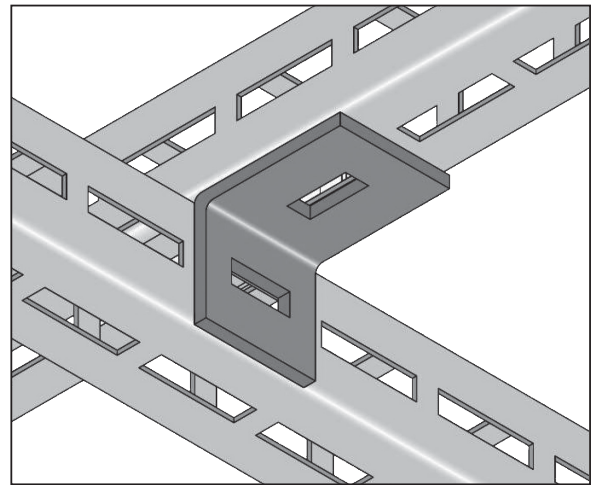
PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	SLOTS (mm)
SFS80-AB2	100	100	65	10	15.5 × 40

2 × SFSBOLT-M125 REQUIRED UNLESS SPECIFIED IN DESIGN DRAWING.

ANGLE BRACKET

TECHNICAL DATA

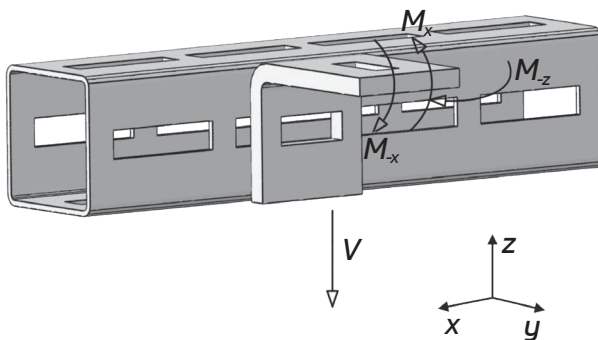
ZCA Part No:	SFS80-AB3
S&T Part No:	P0112030
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised



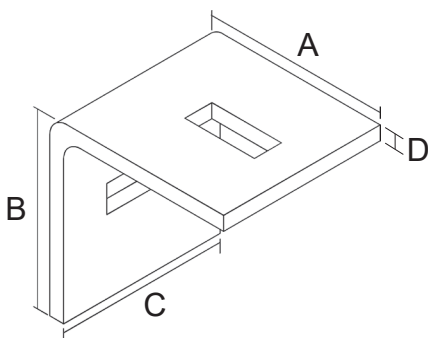
LOADING

NOTES:

1. SFSBOLT-M12S torqued to 80 Nm.



LOAD TYPE	ULTIMATE CAPACITY
M_x	0.25 kNm
M_{-x}	0.25 kNm
M_z, M_{-z}	0.22 kNm
V	14.0 kN

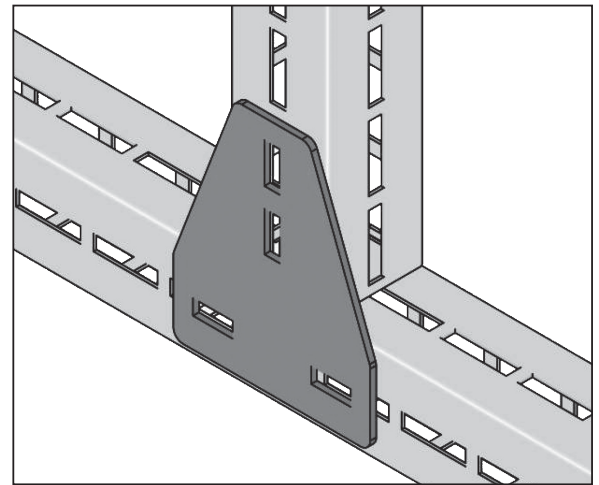


DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	SLOTS (mm)
SFS80-AB3	100	75	65	10	15.5 × 40

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

T-PLATE

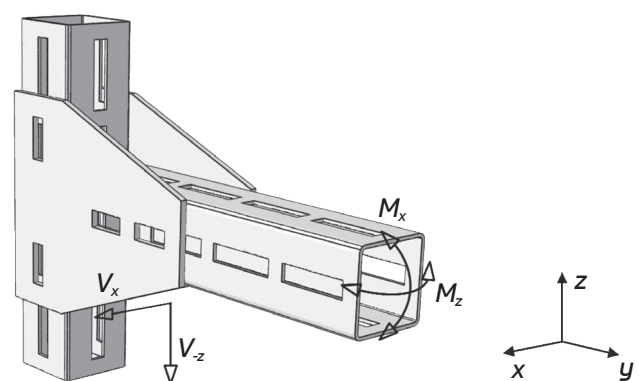
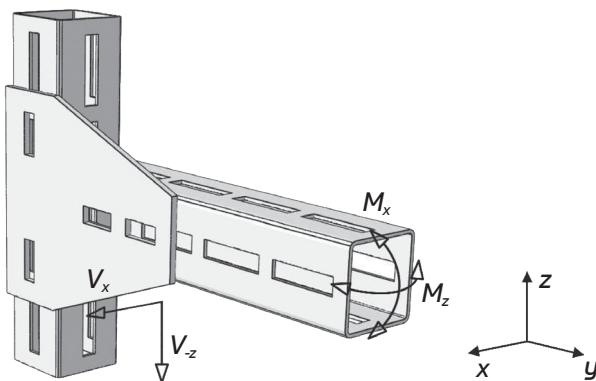


TECHNICAL DATA	
ZCA Part No:	SFS80-TP
S&T Part No:	P0112009
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised
For Profile:	SFS80 and SFS100

LOADING

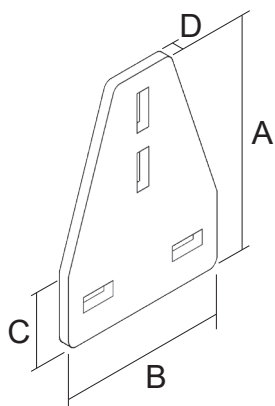
NOTES:

1. 4 No. SFSBOLT-M125 required for each plate.
2. SFSBOLT-M125 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



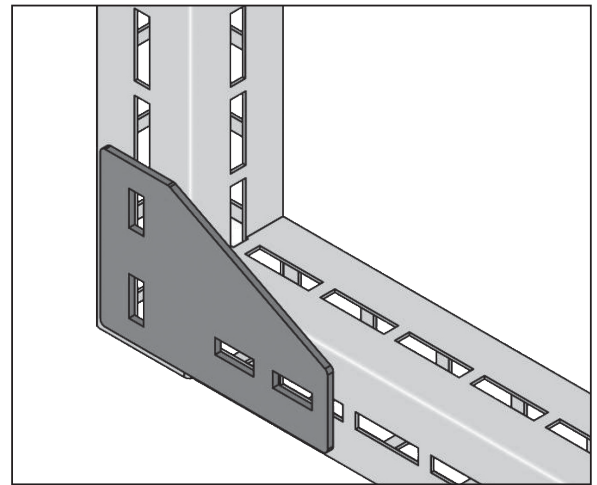
DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	SLOTS (mm)
SFS80-TP	240	200	75	6	15.5 × 40

4 × SFSBOLT-M125 REQUIRED UNLESS SPECIFIED IN DESIGN DRAWING.

L-PLATE

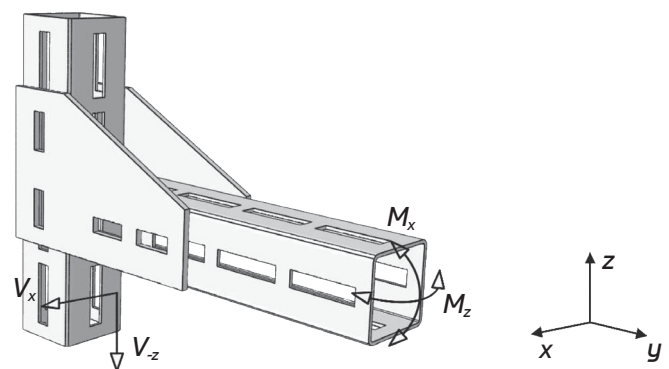
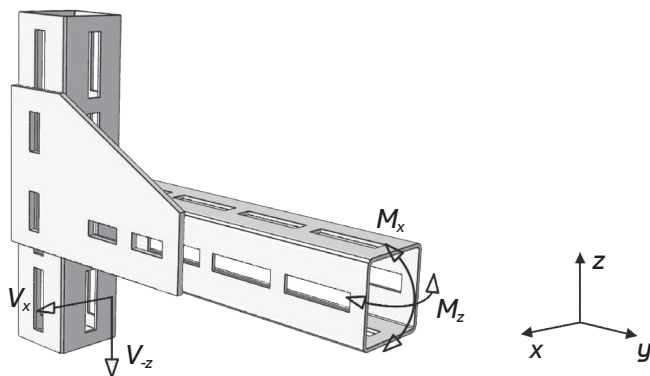
TECHNICAL DATA	
ZCA Part No:	SFS80-LP
S&T Part No:	P0112010
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised
For Profile:	SFS80 and SFS100



LOADING

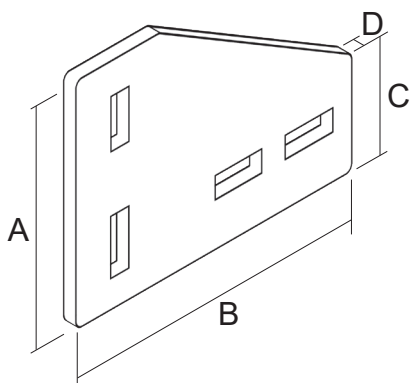
NOTES:

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

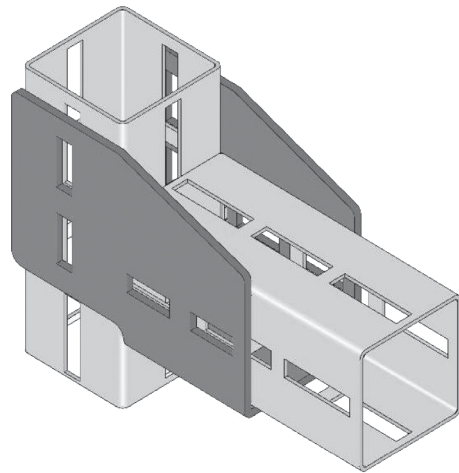


DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	SLOTS (mm)
SFS80-LP	160	240	75	6	15.5 × 40

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

SHOE

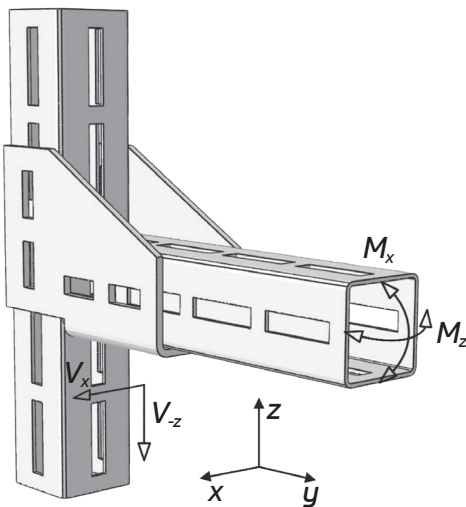


TECHNICAL DATA	
ZCA Part No:	SF580-SHOE
S&T Part No:	P0112033
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised

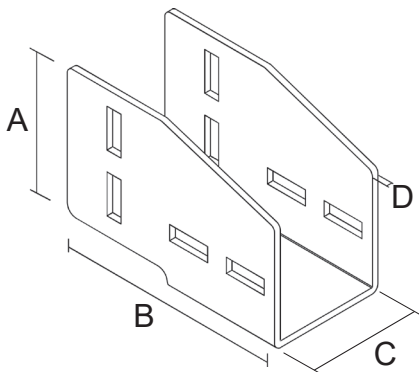
LOADING

NOTES:

1. SFSBOLT-M12S torqued to 100 Nm.



LOAD TYPE	ULTIMATE CAPACITY
M_x, M_x	1.60 kNm
M_z, M_z	0.53 kNm
V_x, V_x	22.1 kN
V_z, V_z	25.0 kN



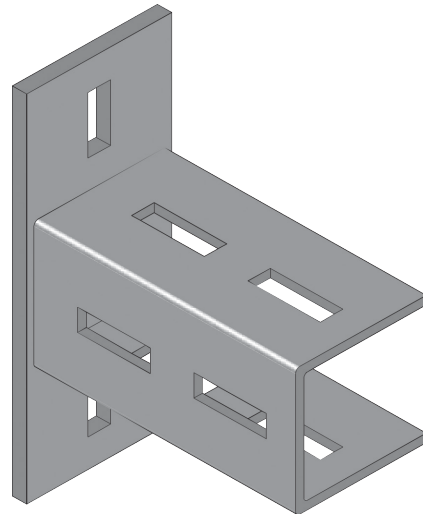
DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	SLOTS (mm)
SF580-SHOE	160	205	87	6	15.5 × 40

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

2-WAY BRACKET

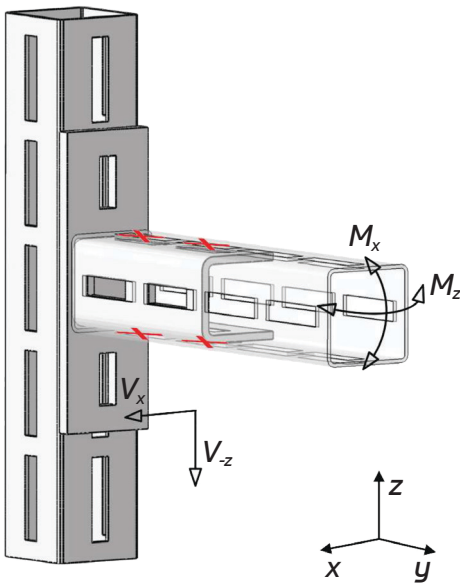
TECHNICAL DATA	
ZCA Part No:	SFS80-B2WAY
S&T Part No:	P0112034
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised



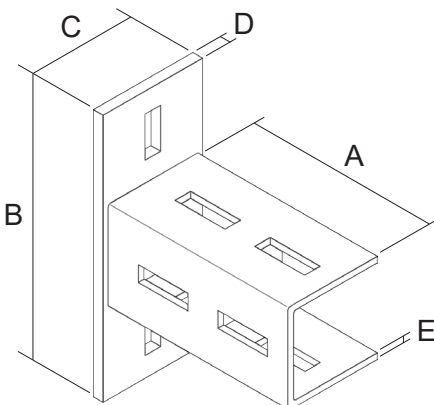
LOADING

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}	1.16 kNm
M_z, M_{-z}	0.52 kNm
V_x, V_{-x}	28.0 kN
V_z, V_{-z}	28.0 kN



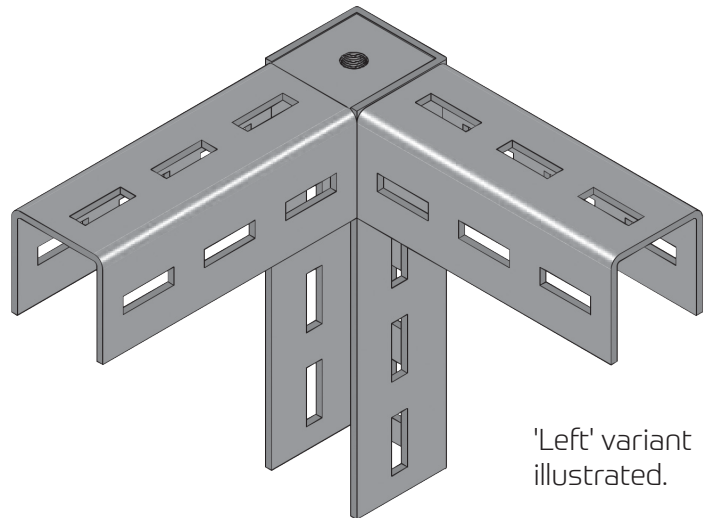
DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	SLOTS (mm)
SFS80-B2WAY	170	230	65	10	6	15.5 × 50

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

3-WAY BRACKET

TECHNICAL DATA	
ZCA Part Nos:	SFS80-B3WAY R SFS80-B3WAY L
S&T Part Nos:	Right - P0112035 Left - P0112031
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised

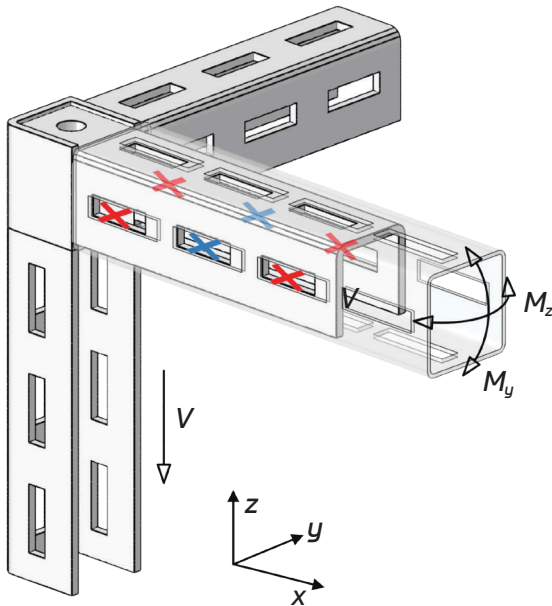


'Left' variant illustrated.

LOADING

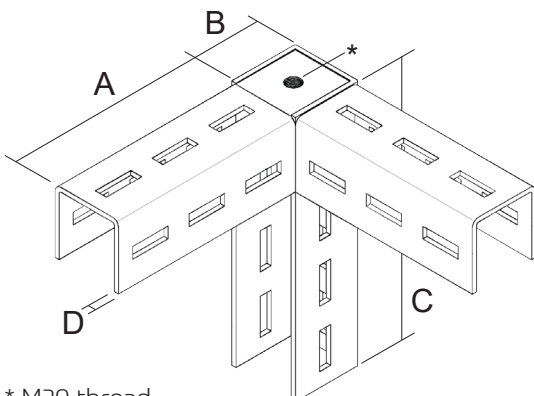
NOTES:

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	3.50 kNm
M_z, M_z	1.85 kNm
V	28.0 kN

6 No. SFSBOLT-M12S (✕✕)	
LOAD TYPE	ULTIMATE CAPACITY
M_y, M_y	3.50 kNm
M_z, M_z	2.77 kNm
V	28.0 kN



* M20 thread

DIMENSIONS

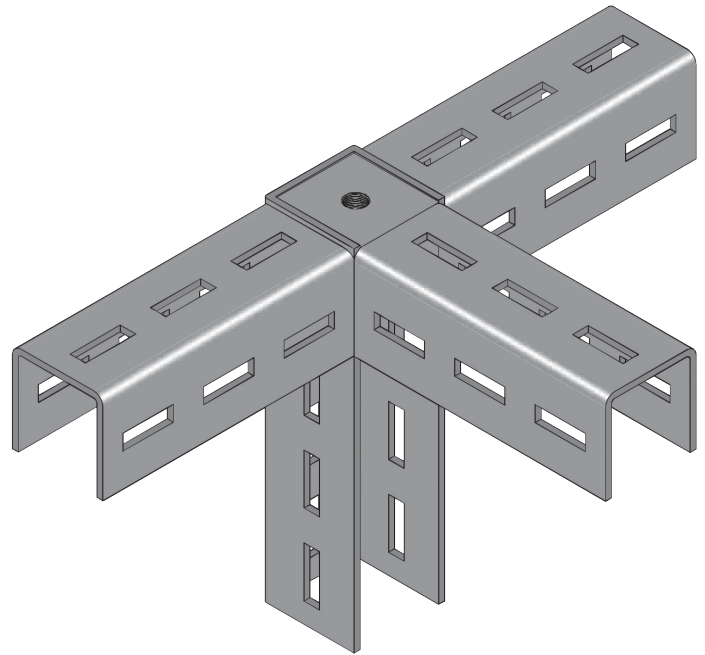
PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	SLOTS (mm)
SFS80-B3WAY	250	75	325	6	15.5 × 50

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

4-WAY BRACKET

TECHNICAL DATA

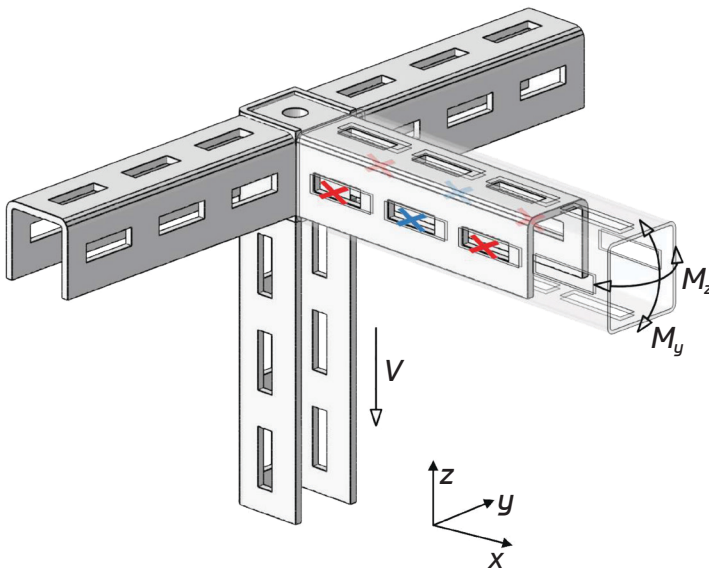
ZCA Part No:	SFS80-B4WAY R
S&T Part No:	P0112036
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised



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 (✕✕).

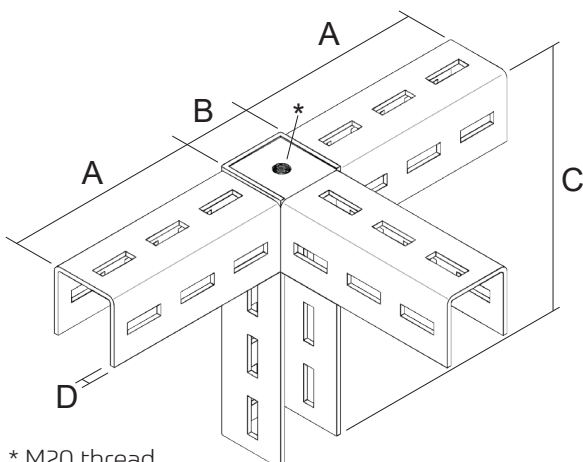


4 No. SFSBOLT-M12S (✕)

LOAD TYPE	ULTIMATE CAPACITY
M_y, M_{-y}	3.50 kNm
M_z, M_{-z}	1.85 kNm
V	28.0 kN

6 No. SFSBOLT-M12S (✕✕)

LOAD TYPE	ULTIMATE CAPACITY
M_y, M_{-y}	3.50 kNm
M_z, M_{-z}	2.77 kNm
V	28.0 kN



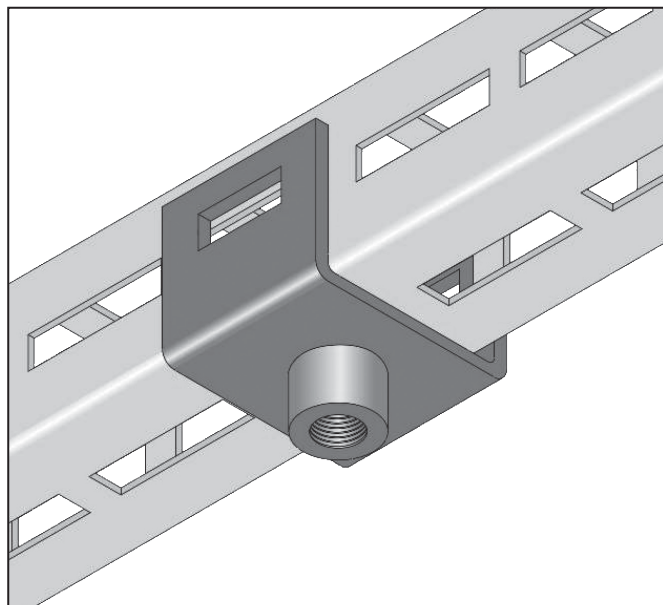
* M20 thread

DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	SLOTS (mm)
SFS80-B4WAY	250	75	325	6	15.5 × 50

THREAD CONNECTOR M16

TECHNICAL DATA	
ZCA Part No:	SFS80-TC-M16
S&T Part No:	P0112037
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised

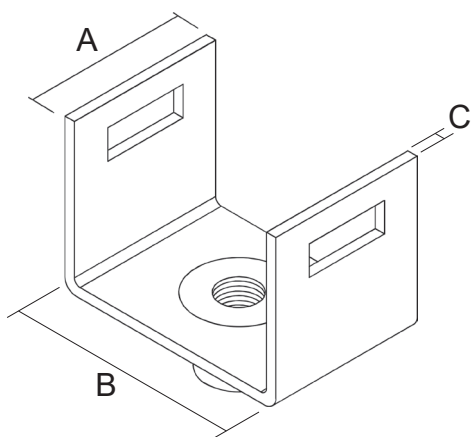
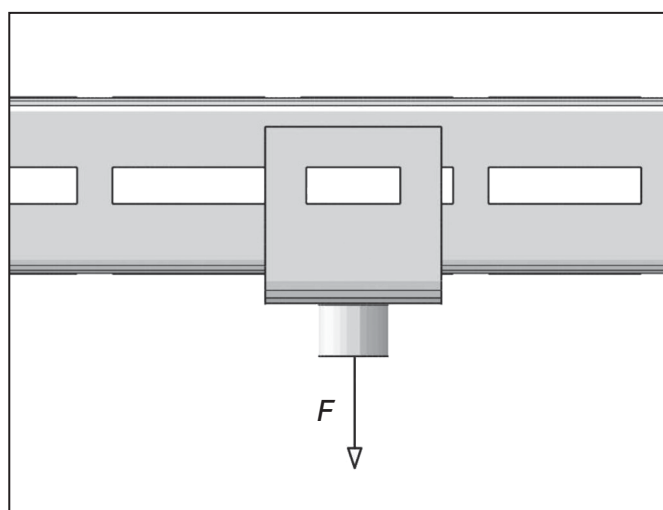


LOADING

LOAD TYPE	ULTIMATE CAPACITY
F	19.5 kN

NOTES:

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



DIMENSIONS

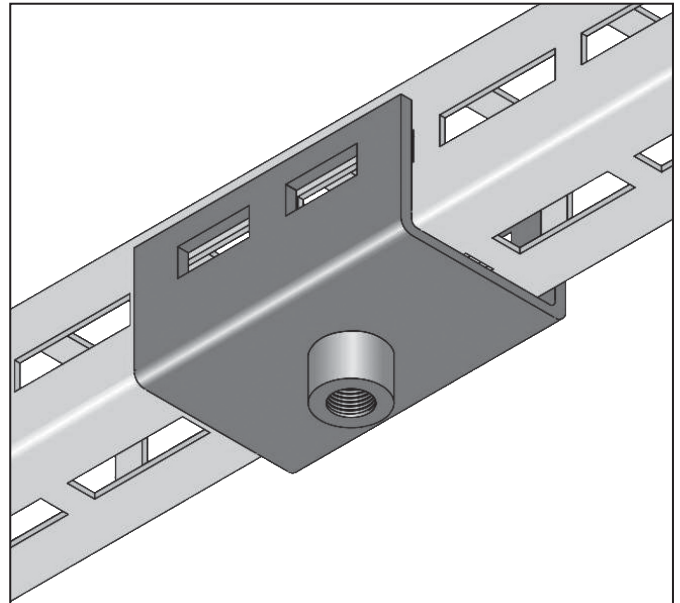
PART NO.	A (mm)	B (mm)	C (mm)	THREAD (mm)	SLOTS (mm)
SFS80-TC-M16	75	87	6	16	15.5 × 40

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

THREAD CONNECTOR M20

TECHNICAL DATA

ZCA Part No:	SFS80-TC-M20
S&T Part No:	P0112038
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised

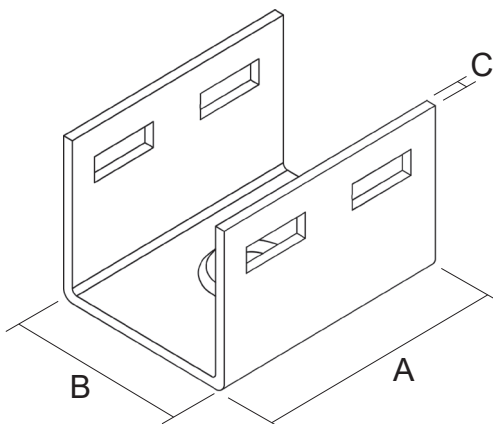
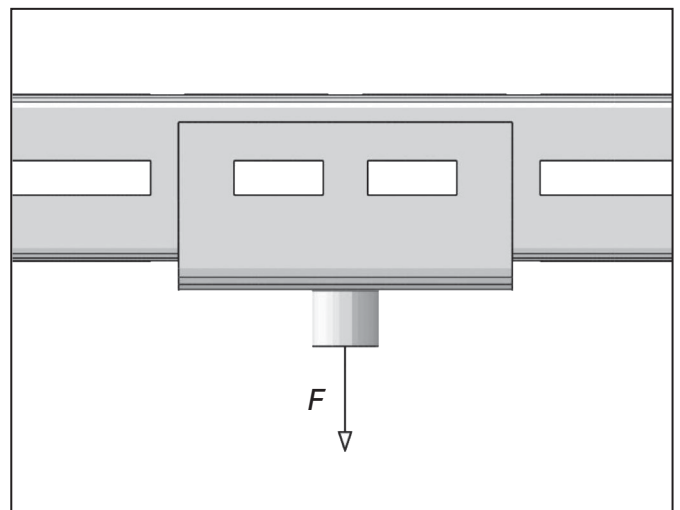


LOADING

LOAD TYPE	ULTIMATE CAPACITY
F	28.0 kN

NOTES:

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



DIMENSIONS

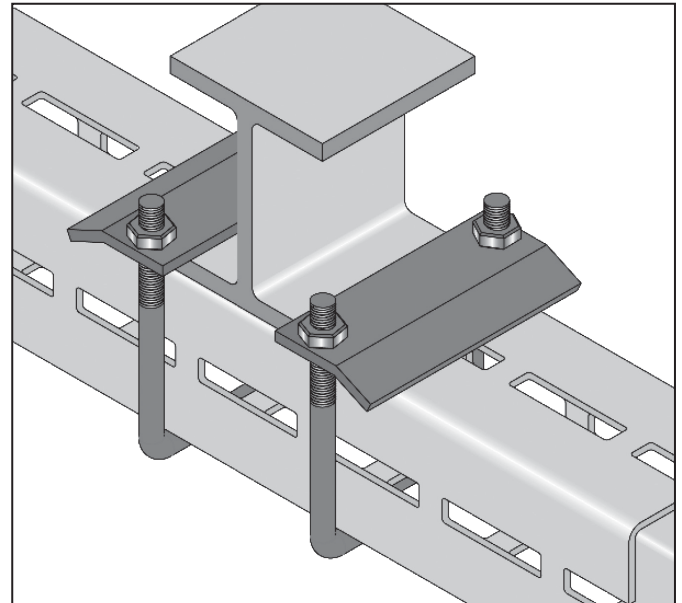
PART NO.	A (mm)	B (mm)	C (mm)	THREAD (mm)	SLOTS (mm)
SFS80-TC-M16	150	87	6	20	15.5 × 40

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

BEAM CLAMP

TECHNICAL DATA

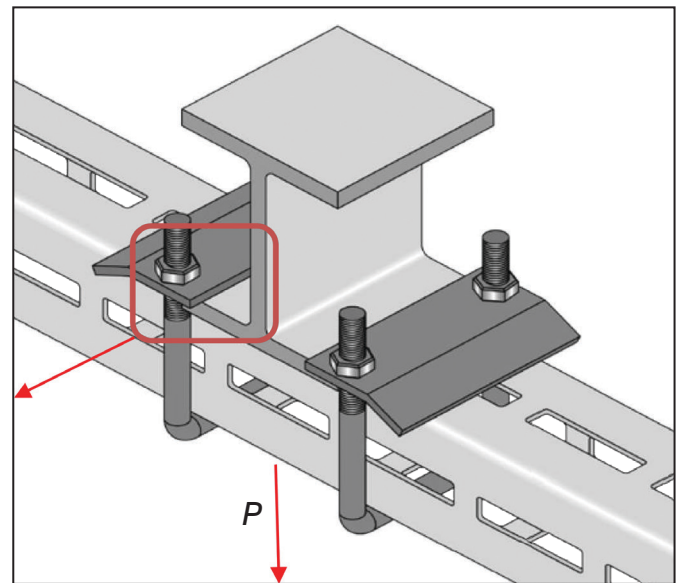
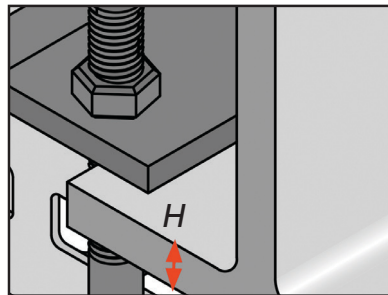
ZCA Part No:	SF580-BC
S&T Part No:	P0112039
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised



LOADING

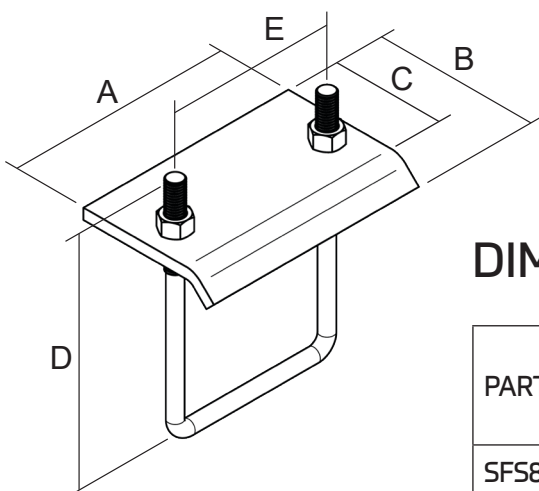
NOTES:

1. SF580 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.



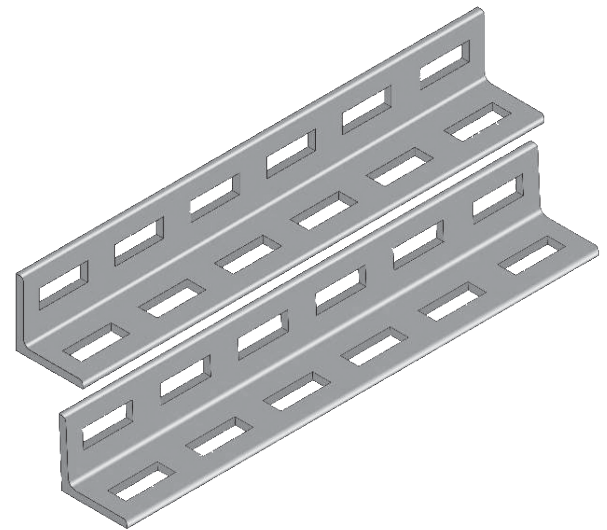
DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	CLAMP MATERIAL (mm)	U-BOLT
SF580-BC	130	98	80	138	90	8	M12 × 1.75

JOINER SET

TECHNICAL DATA

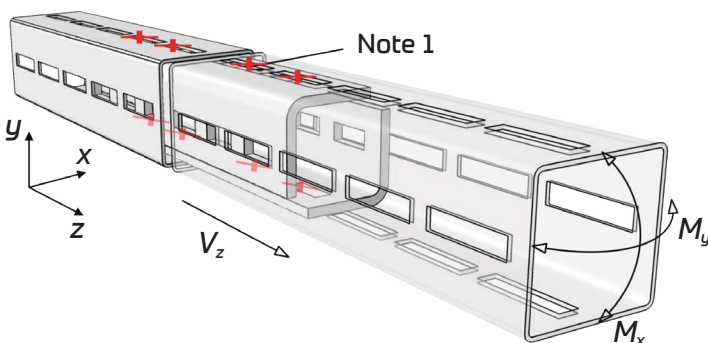
ZCA Part No:	SFS80-JOINER
S&T Part No:	P0112040
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised



LOADING

NOTES:

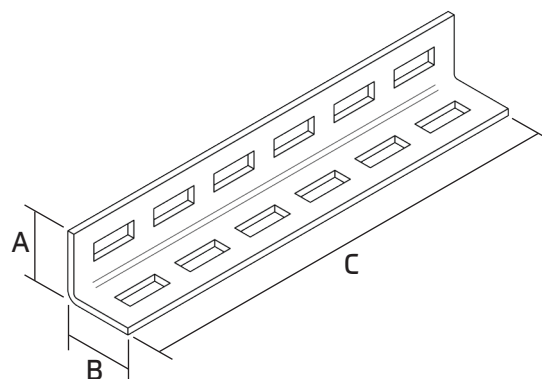
- 8 No. SFSBOLT-M12S required to fix the joiner set (✖).
- SFSBOLT-M12S torqued to 100 Nm.



LOAD TYPE	ULTIMATE CAPACITY
M_x, M_{-x}	1.93 kNm
M_y, M_{-y}	3.36 kNm
V	56.0 kN

DIMENSIONS

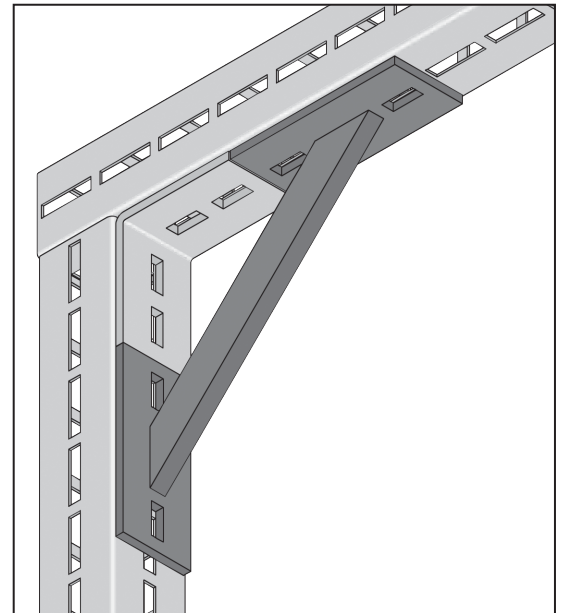
PART NO.	A and B (mm)	C (mm)	MATERIAL (mm)	SLOTS (mm)	SLOT SPACING (mm)
SFS80-JOINER	60	380	6	15.5 × 40	20



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

BRACE

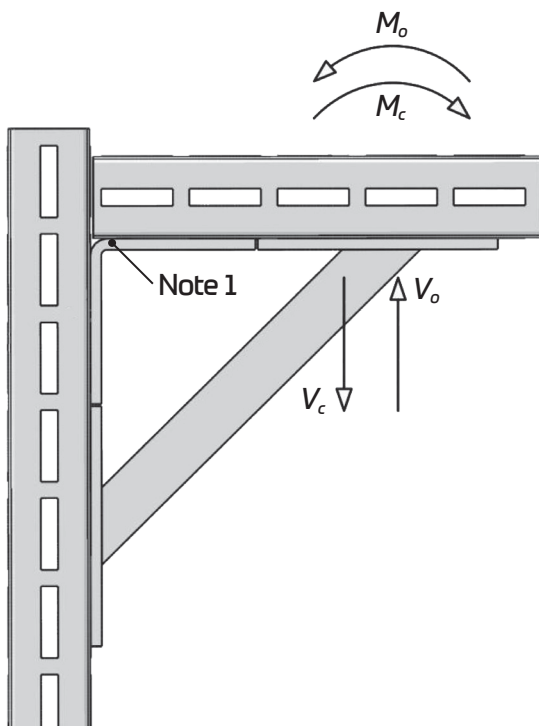
TECHNICAL DATA	
ZCA Part No:	SFS80-BRACE
S&T Part No:	P0112041
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised



LOADING

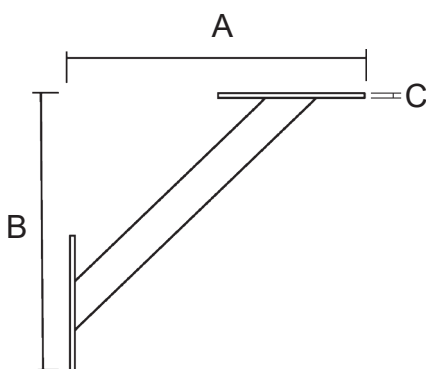
NOTES:

1. To be used in conjunction with SFS80-AB1 or SFS80-AB1G.
2. SFSBOLT-M12S torqued to 100 Nm.



Beam Case (Supported on both sides)	
M_c	2.10 kNm
M_o	1.85 kNm
V_c	16.44 kN
V_o	7.94 kN

Cantilever Case (Supported on only one side)	
M_c	1.32 kNm
M_o	1.68 kNm
V_c	6.50 kN
V_o	7.94 kN



DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	SLOTS (mm)
SFS80-BRACE	370	370	10	15.5 × 40

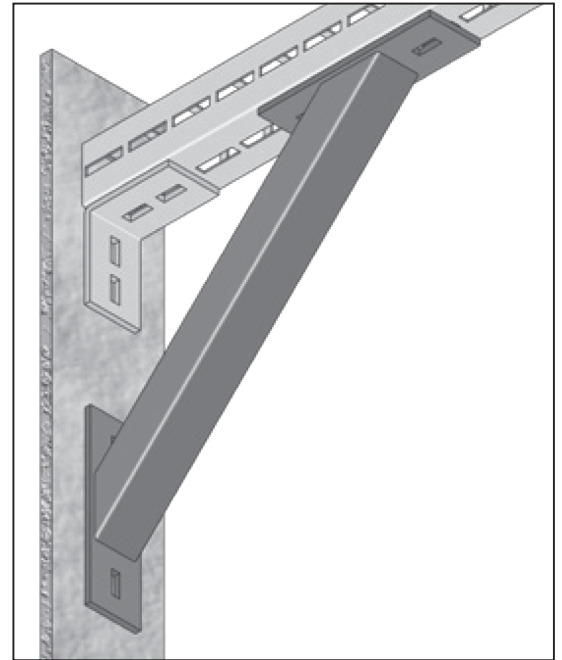
4 × SFSBOLT-M12S REQUIRED UNLESS SPECIFIED IN DESIGN DRAWING.

BRACE MUST BE USED IN CONJUNCTION WITH SFS80-AB1 OR SFS80-AB1G.

WALL BRACE

TECHNICAL DATA

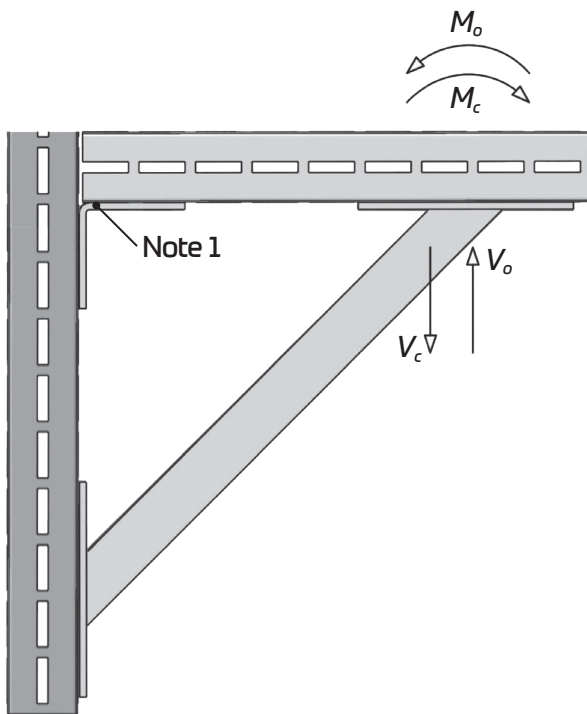
ZCA Part No:	SFS80-WALLBRACE
S&T Part No:	P0112042
Material:	Mild Steel
Material Type:	235 MPa
Finish:	Hot-dip galvanised



LOADING

NOTES:

1. To be used in conjunction with SFS80-AB1 or SFS80-AB1G.
2. SFSBOLT-M12S torqued to 100 Nm.

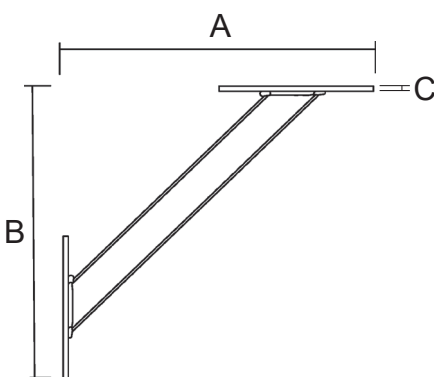


Beam Case (Supported on both sides)

M_c	4.74 kNm
M_o	2.93 kNm
V_c	22.38 kN
V_o	8.91 kN

Cantilever Case (Supported on only one side)

M_c	2.34 kNm
M_o	2.93 kNm
V_c	12.81 kN
V_o	8.91 kN



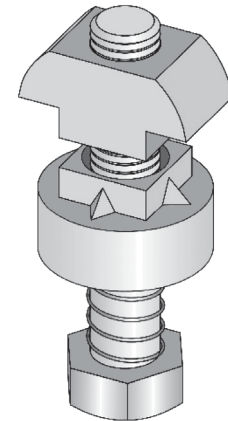
DIMENSIONS

PART NO.	A (mm)	B (mm)	C (mm)	SLOTS (mm)
SFS80-WALLBRACE	600	600	10	15.5 × 40

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

BRACE MUST BE USED IN CONJUNCTION WITH SFS80-AB1 OR SFS80-AB1G.

SPRING BOLTS



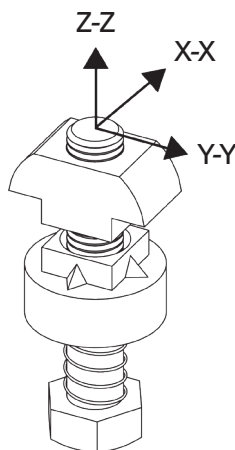
TECHNICAL DATA

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.

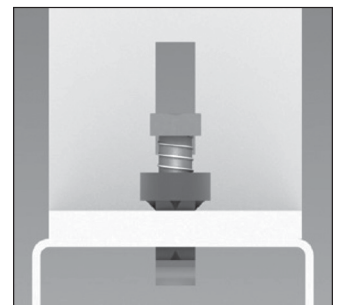


LOAD TYPE	ULTIMATE CAPACITY
	SFSBOLT-M12S
X-X (along slot)	10 kNm
Y-Y (perpendicular to slot)	10 kNm
Z-Z	3 kN

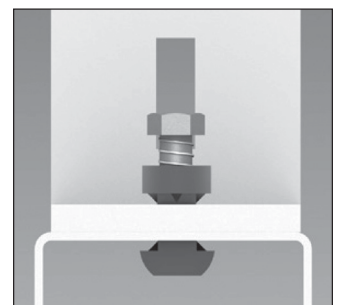
INSTALLATION

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.

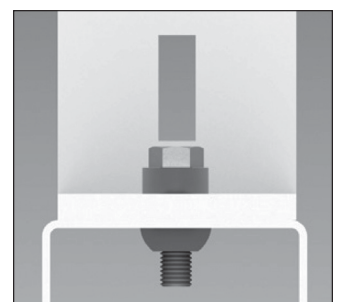
1



2



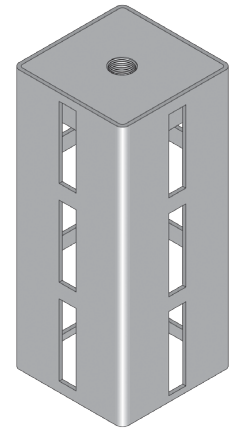
3



LIFTING ACCESSORIES

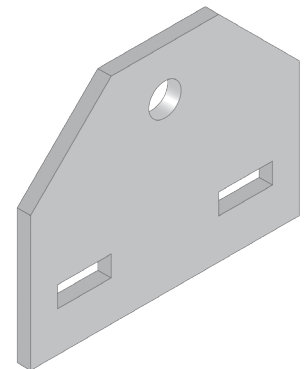
WELDED LIFTING PLUG

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



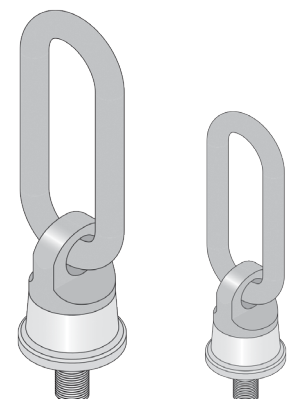
LIFTING BRACKET

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

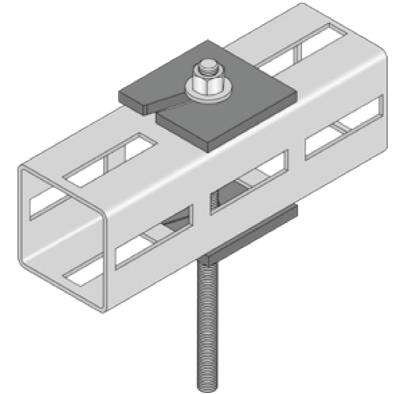


Contact Zip-Clip Technical Department to discuss appropriate lifting lug.

OTHER ACCESSORIES

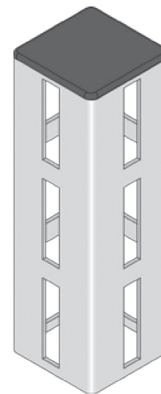
REINFORCEMENT WASHER

Part No.	Description	Dimensions (mm)	Compatible With	Finish
ZCA: SFS80-RW S&T: P0111574	SFS80 Reinforcement washer	75 × 75 × 10 Slot width 14	M10 and M12 rod	Hot-dip galvanised



END CAP

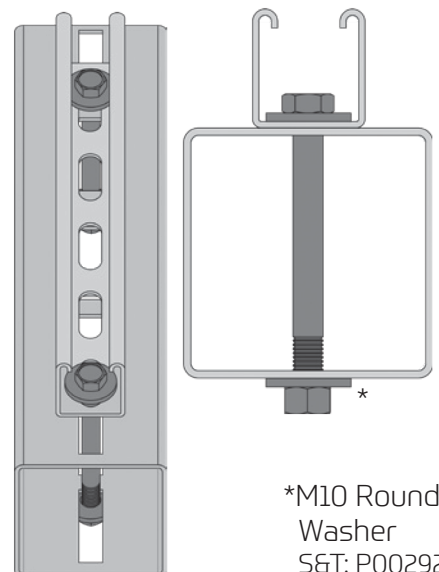
Part No.	Description	Colour
SFS80-CAP S&T: P0112043	SFS80 end cap	Orange



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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