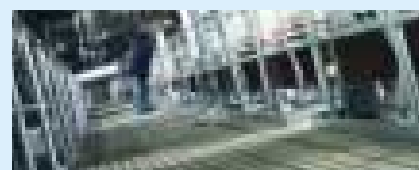
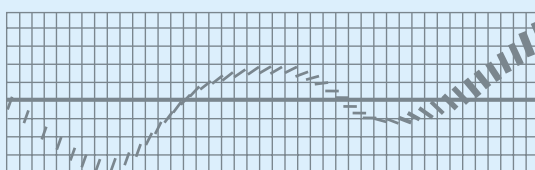
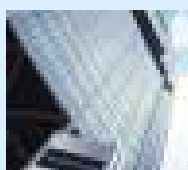
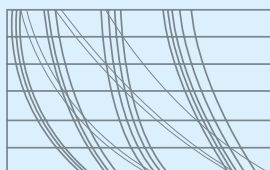


arena-walsall

Salamandre[®]

SWiFTS[®]

CABLE MANAGEMENT SOLUTIONS CATALOGUE 2003/04



A COMPLETE CABLE MANAGEMENT SOLUTION FOR COMMERCIAL AND INDUSTRIAL APPLICATIONS

legrand[®]

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THE BACKBONE OF ALL YOUR SUPPORT NEEDS

Swifts



High quality selection of channels

Available in a range of finishes, including stainless steel, this fully-integrated, high strength support system for cable management and building services will meet the needs of even the most demanding applications.

CHANNEL SUPPORT

The choice of components is vast, encompassing high strength nuts and bolts, brackets, clamps and fastenings, as well as a selection of channels in either light or standard gauge for a solid, rigid framework



For even faster installation, the unique "Easi-clip" allows MRF tray to be fitted firmly on to the channel support system with a simple clip-on action



Channels can also be supplied in handy packs of 18 pre-cut lengths for use as hangers, helping to speed up the installation process even further



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Swiftrack channel support system

channels

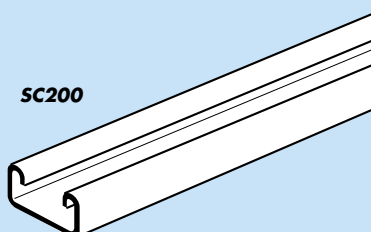
Single Channels

Standard Channels

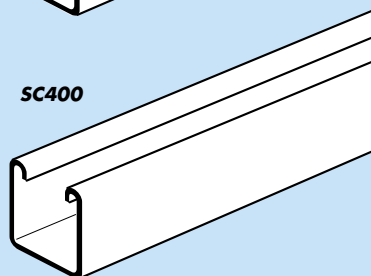
3m long	SC200/3m
6m long	SC200/6m
3m long	SC400/3m
6m long	SC400/6m

Light Gauge Channels

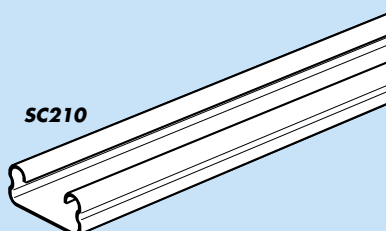
3m long	SC210/3m
6m long	SC210/6m
3m long	SC410/3m
6m long	SC410/6m



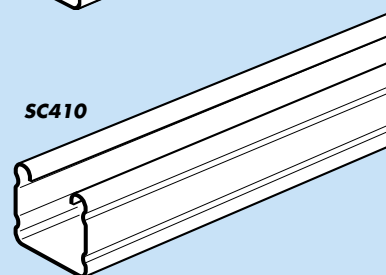
SC200



SC400



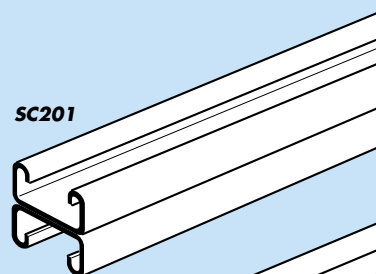
SC210



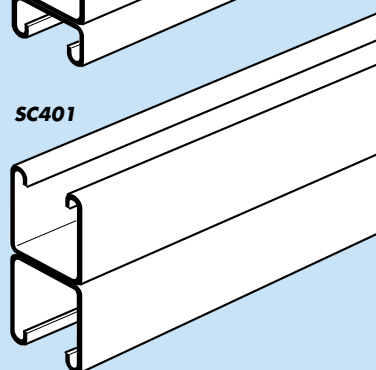
SC410

Back-to-Back Channels

3m long	SC201/3m
6m long	SC201/6m
3m long	SC401/3m
6m long	SC401/6m



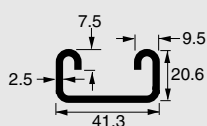
SC201



SC401

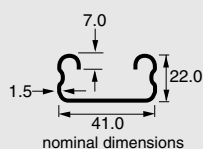
SC200

Weight 1.8kg/m



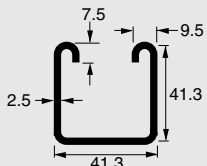
SC210

Ribbed strut designed to fit Channel Nuts
Weight 1.2kg/m



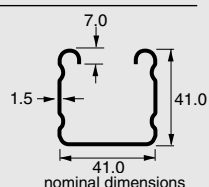
SC400

Weight 2.6kg/m



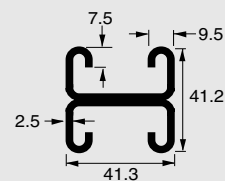
SC410

Ribbed strut designed to fit Channel Nuts
Weight 1.7kg/m



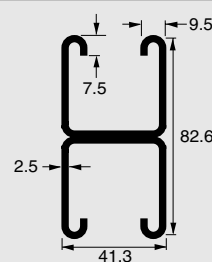
SC201

Weight 3.6kg/m



SC401

Weight 5.2kg/m



FINISHES

The standard finish for channels is Pre-galvanized mild steel to BS EN 10147. For other finishes add the appropriate suffix:

-JG Hot dip galvanized after manufacture to BS EN ISO 1461

-JSS Stainless steel to BS EN 10088 grade 1-4401 (equivalent to 316S31), see note.

NOTE:

Channels SC210 and SC410 are not available in -JSS finish.

In addition to the Back-to-Back Channels, Legrand can supply other configurations to special order. Contact our Sales Support for details.

Swiftrack channel support system

channels and channel nuts

Slotted Channels

Standard Channels

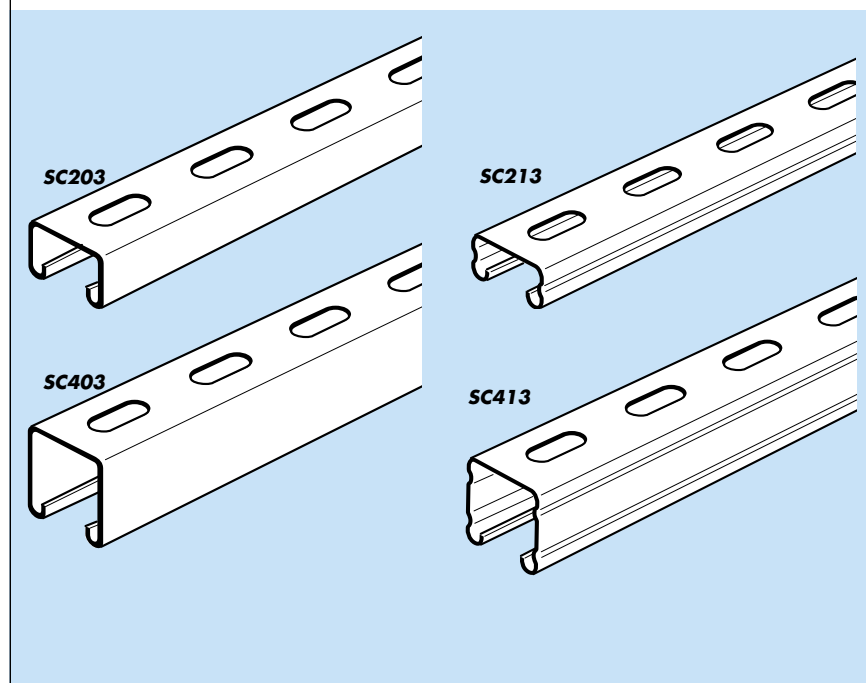
3m long	SC203/3m
6m long	SC203/6m
3m long	SC403/3m
6m long	SC403/6m

Light Gauge Channels

3m long	SC213/3m
6m long	SC213/6m
3m long	SC413/3m
6m long	SC413/6m

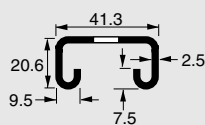
Cut Lengths

300mm long	pack 18	SC403/300
350mm long	pack 18	SC403/350
500mm long	pack 18	SC403/500



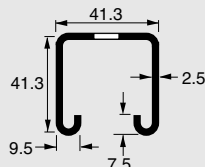
SC203

Weight 1.6kg/m



SC403

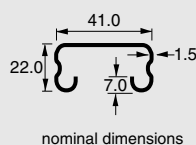
Weight 2.4kg/m



SC213

Ribbed strut designed to fit Channel Nuts

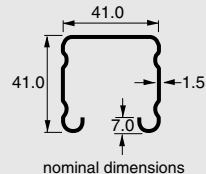
Weight 1.0kg/m



SC413

Ribbed strut designed to fit Channel Nuts

Weight 1.5kg/m



Slot pattern may differ on stainless steel channels. Consult our Sales Support for advice.

Slotted Channel - Cut Lengths

Slots are approximately 10mm from each end.

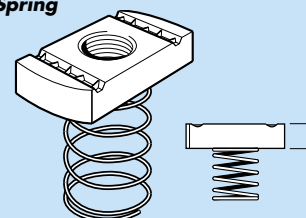
NOTE:

Channels SC213 and SC413 are not available in -/SS finish.

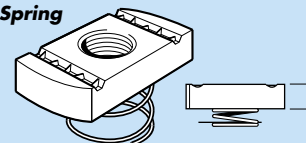
Channel Nuts

M6, Long Spring	pack 100	PN061
M8, Long Spring	pack 100	PN081
M10, Long Spring	pack 100	PN101
M12, Long Spring	pack 100	PN121
M6, Short Spring	pack 100	PN062
M8, Short Spring	pack 100	PN082
M10, Short Spring	pack 100	PN102
M12, Short Spring	pack 100	PN122
M6, No Spring	pack 100	PN060
M8, No Spring	pack 100	PN080
M10, No Spring	pack 100	PN100
M12, No Spring	pack 100	PN120

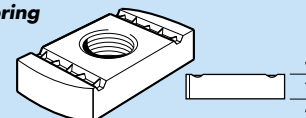
Long Spring



Short Spring



No Spring



For use with all channels.

For maximum load capacity M12 channel nuts should always be used.

Ref.	t	Depth of channels
PN061	6mm	41mm
PN081	6mm	41mm
PN101	8mm	41mm
PN121	10mm	41mm
PN062	6mm	21mm
PN082	6mm	21mm
PN102	8mm	21mm
PN122	8mm	21mm
PN060	6mm	all
PN080	6mm	all
PN100	8mm	all
PN120	10mm	all

Fastenings

Use hexagon head setscrews, see page 92. For suggested setscrew sizes, see page 93.

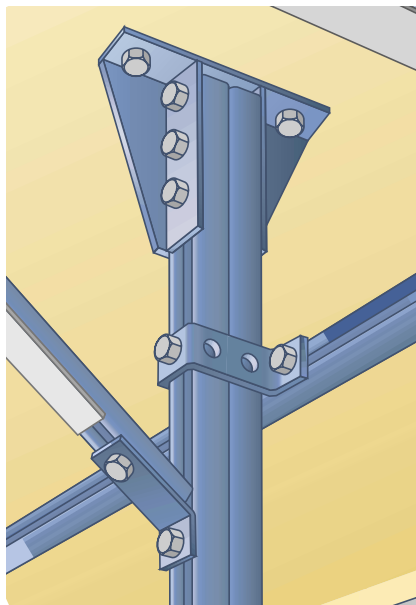
FINISHES

The standard finish for all nuts is zinc plated to BS3382: Part 2, stainless steel grade 316 is also available.

Swiftrack channel support system

framework brackets

The range of brackets and fittings illustrated on pages 80 - 85 will cover most applications. Special designs can be manufactured to suit particular applications.



Brackets are manufactured to BS6946.

Unless otherwise stated, brackets are made from 6mm thick steel (5mm thick in stainless steel), are 40mm wide and have 14mm diameter holes to accept M12 (or smaller) setscrews.

All bend radii are 5mm unless otherwise stated.

Steel complies with BS EN 10111

Minimum Yield Stress of material is 170 N/mm².

Maximum loads for individual brackets are given in the following illustrations.

All loads are for hot dip galvanized brackets fixed with M12 setscrews and M12 zinc plated channel nuts. Loads for stainless steel brackets are available on request - contact our Sales Support.

Bracket weights are given in the following illustrations.

All dimensions are in millimetres.

Channel nuts and setscrews are not supplied with brackets, therefore must be ordered separately.

Channel Nuts page 79
Setscrews page 92

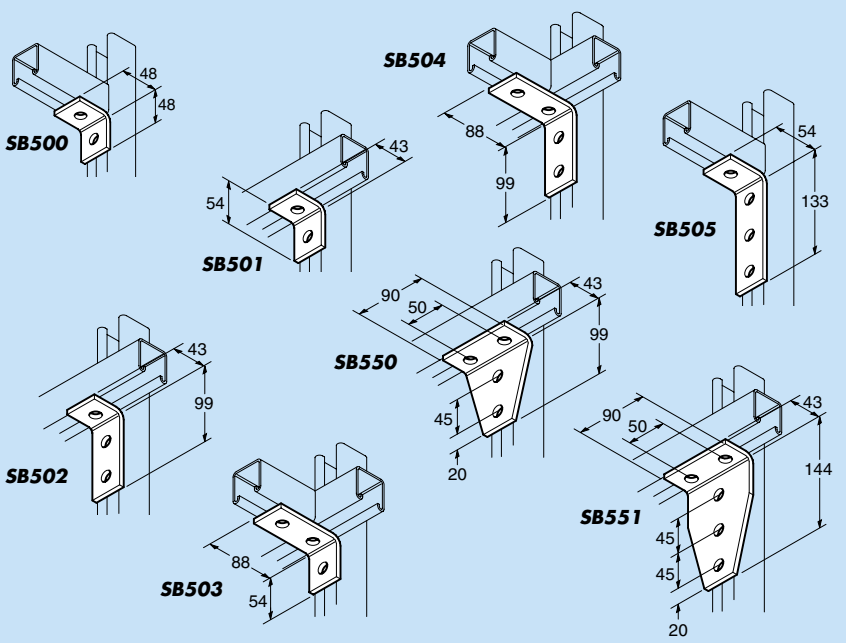
FINISHES

The standard finish for all brackets is hot dip galvanized to BS EN ISO 1461. Stainless steel grade 316 is also available unless otherwise stated.

90° Brackets

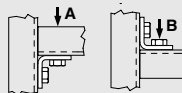
90° Bracket	SB500
90° Bracket	SB501
90° Bracket	SB502
90° Bracket	SB503

90° Bracket	SB504
90° Bracket	SB505
90° Bracket	SB550
90° Bracket	SB551



SB500

Maximum load on each bracket with both ends supported
A - 400kgf. B - 245kgf.
Unit Weight 0.14kg



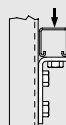
SB501

Maximum load on each bracket 230kgf.
Unit Weight 0.14kg



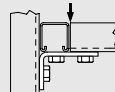
SB502

Maximum load on each bracket 230kgf.
Unit Weight 0.23kg



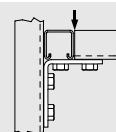
SB503

Maximum load on each bracket with both ends supported 120kgf.
Unit Weight 0.23kg



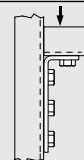
SB504

Maximum load on each bracket 120kgf.
Unit Weight 0.32kg



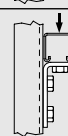
SB505

Maximum load on each bracket 500kgf.
Unit Weight 0.32kg



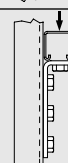
SB550

Maximum load on each bracket 600kgf.
Unit Weight 0.43kg



SB551

Maximum load on each bracket 600kgf.
Unit Weight 0.61kg

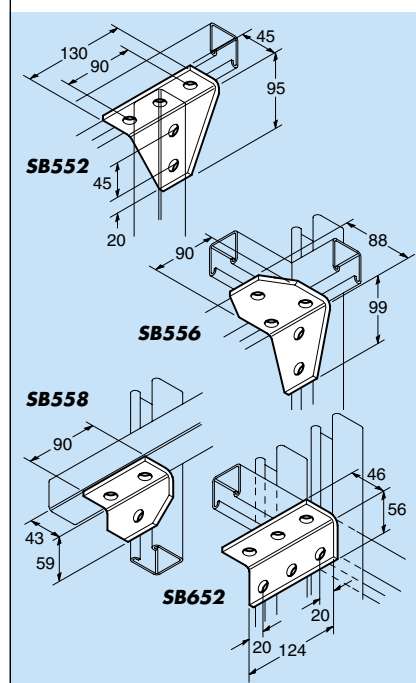


Swiftrack channel support system

framework brackets

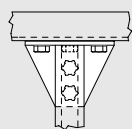
90° Brackets

90° Bracket	SB552
90° Bracket	SB556
90° Bracket	SB558
90° Bracket	SB652



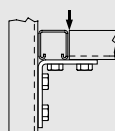
SB552

Maximum load on each bracket 700kgf.
5mm thick.
Unit Weight 0.50kg



SB556

Maximum load on each bracket with both ends supported 260kgf.
Unit Weight 0.57kg



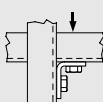
SB558

Maximum load on each bracket 400kgf.
Unit Weight 0.34kg



SB652

Maximum load on each bracket 800kgf.
Holes spaced at 42mm centres.
Unit Weight 0.40kg



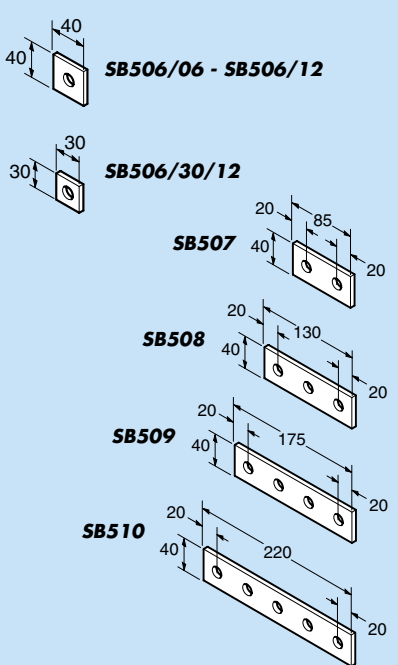
Square and Splice Plates

Square Plates

M6 hole	SB506/06
M8 hole	SB506/08
M10 hole	SB506/10
M12 hole	SB506/12
M12 hole	SB506/30/12

Splice Plates

2 hole	SB507
3 hole	SB508
4 hole	SB509
5 hole	SB510



SQUARE PLATES

SB506/06 - SB506/12

Use as location plate when attaching any special fitment which will not sit across both channel sides.

Unit Weight 0.07kg

SB506/30/12

Use when fixing M12 bolts through slots in SC203 and SC403 channels.

Unit Weight 0.07kg

SB506/30/12 is not available in -/SS finish.

SPLICE PLATES

Holes spaced at 45mm centres.

SB507 Unit Weight 0.14kg

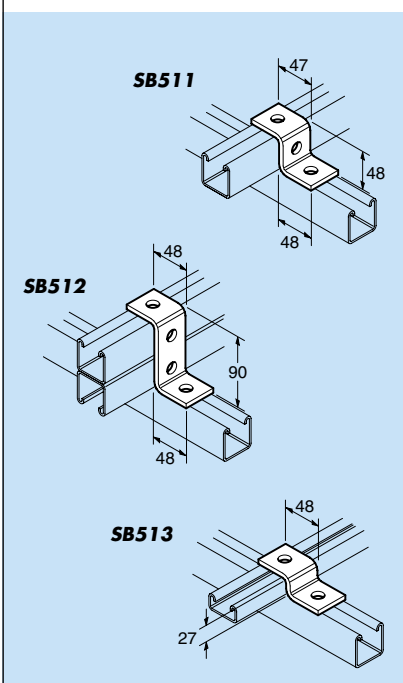
SB508 Unit Weight 0.23kg

SB509 Unit Weight 0.32kg

SB510 Unit Weight 0.41kg

Z Brackets

40mm Z Bracket	SB511
80mm Z Bracket	SB512
20mm Z Bracket	SB513



SB511

Unit Weight 0.22kg

SB512

Unit Weight 0.29kg

SB513

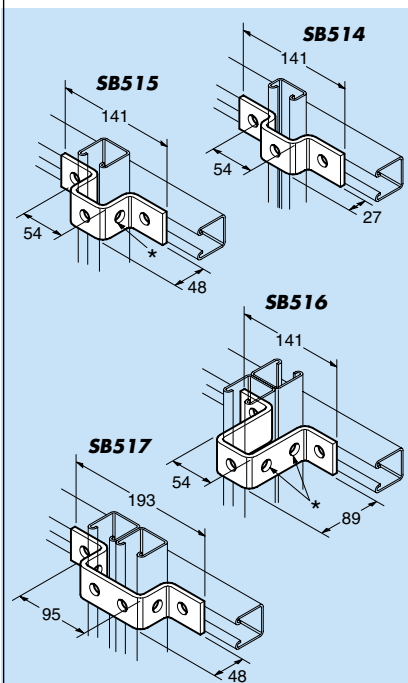
Unit Weight 0.18kg

Swiftrack channel support system

framework brackets

U Brackets

20mm U Bracket	SB514
40mm U Bracket	SB515
80mm U Bracket	SB516
Side by Side U Bracket	SB517



SB514

Unit Weight 0.29kg

SB515

* Hole on one side of bracket only.

Unit Weight 0.37kg

SB516

* Holes on one side of bracket only.

Unit Weight 0.52kg

SB517

Unit Weight 0.45kg

All dimensions are in millimetres.

Channel nuts and setscrews are not supplied with brackets, therefore must be ordered separately.

Channel Nuts
Setscrews

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Angle Brackets and Plates

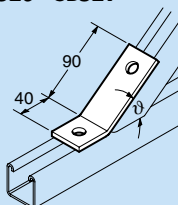
Obtuse Angle Brackets

15°	SB520
22½°	SB521
30°	SB522
37½°	SB523
45°	SB524
52½°	SB525
60°	SB526
67½°	SB527
75°	SB528
82½°	SB529

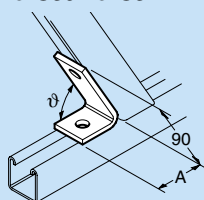
Acute Angle Brackets

30°	SB530
37½°	SB531
45°	SB532
52½°	SB533
60°	SB534
67½°	SB535
75°	SB536
82½°	SB537

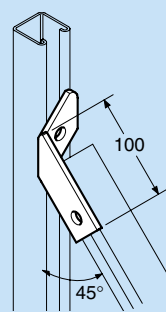
SB520 - SB529



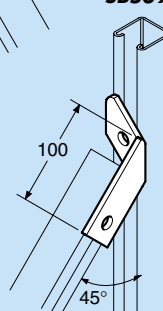
SB530 - SB537



SB538



SB539



SB520 - SB529

Ref.	Unit Weight kg
SB520	0.25
SB521	0.25
SB522	0.25
SB523	0.25
SB524	0.25
SB525	0.25
SB526	0.25
SB527	0.25
SB528	0.25
SB529	0.25

SB530 - SB537

Ref.	Unit Weight kg	A mm
SB530	0.32	70
SB531	0.32	70
SB532	0.29	60
SB533	0.29	60
SB534	0.25	40
SB535	0.25	40
SB536	0.25	40
SB537	0.25	40

All dimensions are in millimetres.

Channel nuts and setscrews are not supplied with brackets, therefore must be ordered separately.

Channel Nuts
Setscrews

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Swiftrack channel support system

framework brackets

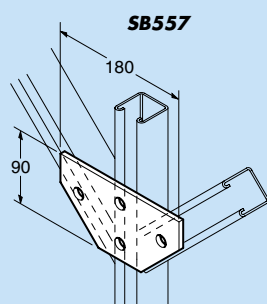
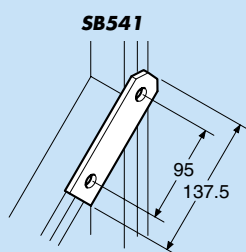
Angle Brackets and Plates

Angle Brackets

Right Hand Angle Bracket	SB538
Left Hand Angle Bracket	SB539

Angle Plates

Adjustable Angle Plate	SB541
Angle Plate	SB557



SB538

Unit Weight 0.25kg

SB539

Unit Weight 0.25kg

SB541

Unit Weight 0.24kg

SB557

Unit Weight 0.56kg

T Plates and Brackets

T Plates

T Plate	SB554
T Plate	SB555

T Bracket

T Bracket	SB603
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Cross Plate

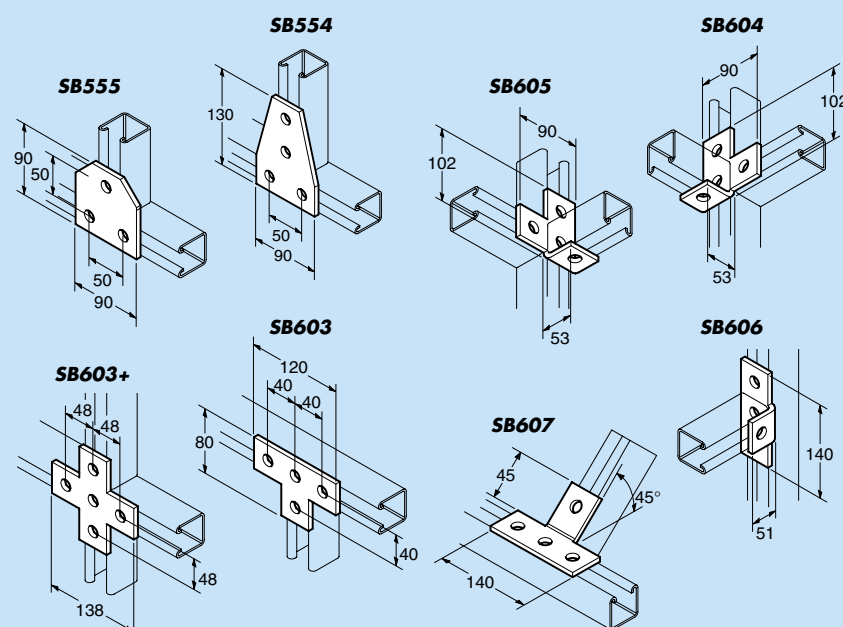
Cross Plate	SB603+
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T Corner Brackets

Right Hand T Corner Bracket	SB604
Left Hand T Corner Bracket	SB605

T Brackets

90° T Bracket	SB606
45° T Bracket	SB607



SB554

Unit Weight 0.43kg

SB555

Unit Weight 0.34kg

SB603

Unit Weight 0.32kg

SB603+

Unit Weight 0.35kg

SB604

Unit Weight 0.32kg

SB605

Unit Weight 0.32kg

SB606

Unit Weight 0.32kg

SB607

Unit Weight 0.32kg

SB604, SB605, SB606 and SB607 are not available in -/SS finish.

All dimensions are in millimetres.

Channel nuts and setscrews are not supplied with brackets, therefore must be ordered separately.

Channel Nuts
Setscrews

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Swiftrack channel support system

framework brackets

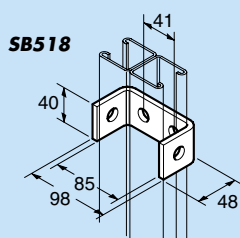
Joining Brackets and Channels

Channel Joining Bracket

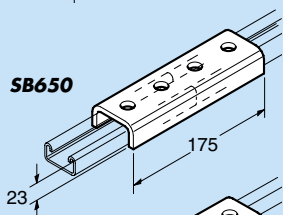
Channel Joining Bracket	SB518
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Joining Channels

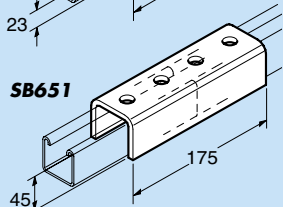
Joining Channel	SB650
Joining Channel	SB651



SB650



SB651



SB518

Unit Weight 0.31kg

SB650

For SC200 channel.
23mm deep.
5mm thick.
Unit Weight 0.55kg

SB651

For SC400 channel.
45mm deep.
5mm thick.
Unit Weight 0.85kg

All dimensions are in millimetres.

Channel nuts and setscrews are not supplied with brackets, therefore must be ordered separately.

Channel Nuts
Setscrews

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L Brackets

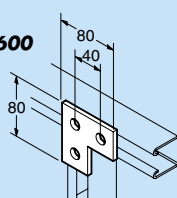
L Bracket

L Bracket	SB600
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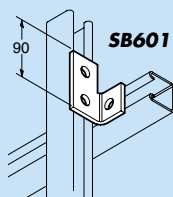
L Corner Brackets

Right Hand L Corner Bracket	SB601
Left Hand L Corner Bracket	SB602

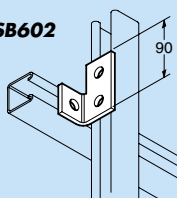
SB600



SB601



SB602



SB600

Unit Weight 0.27kg

SB601

Unit Weight 0.27kg

SB602

Unit Weight 0.27kg

SB601 and SB602 are not available in -/SS finish.

All dimensions are in millimetres.

Channel nuts and setscrews are not supplied with brackets, therefore must be ordered separately.

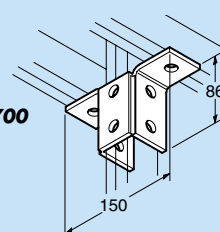
Channel Nuts
Setscrews

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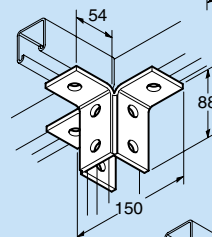
Wing Brackets

2 Lug Wing Bracket	SB700
3 Lug Wing Bracket	SB701
Angled Wing Bracket	SB707

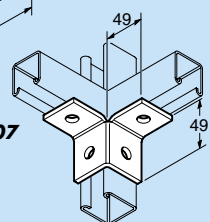
SB700



SB701



SB707



SB700

Unit Weight 0.66kg

SB701

Unit Weight 0.75kg

SB707

Unit Weight 0.28kg

SB707 is not available in -/SS finish.

All dimensions are in millimetres.

Channel nuts and setscrews are not supplied with brackets, therefore must be ordered separately.

Channel Nuts
Setscrews

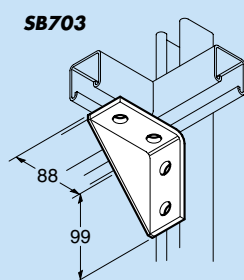
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Swiftrack channel support system

framework brackets

Shelf Bracket

Shelf Bracket **SB703**



SB703

Gusset only, 3mm thick
Unit Weight 0.51kg

All dimensions are in millimetres.

Channel nuts and setscrews are not supplied with brackets, therefore must be ordered separately.

Channel Nuts
Setscrews

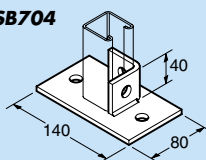
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Base Plates

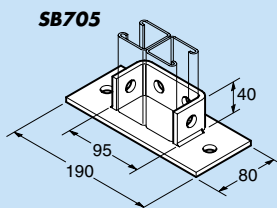
Single Channel Base Plate **SB704**

Double Channel Base Plate **SB705**

SB704



SB705



SB704

Distance between hole centres 100mm.
Unit Weight 0.71kg

SB705

Distance between hole centres 150mm.
Unit Weight 1.00kg

All dimensions are in millimetres.

Channel nuts and setscrews are not supplied with brackets, therefore must be ordered separately.

Channel Nuts
Setscrews

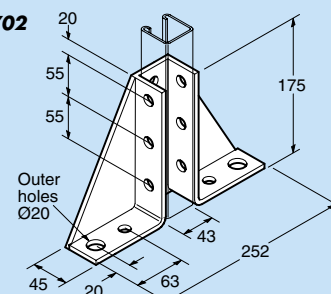
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Gusseted Brackets

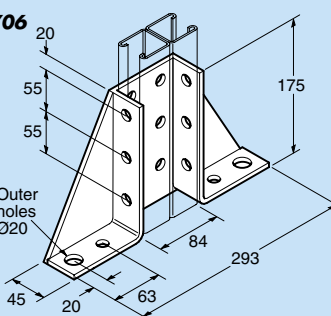
Single Channel Gusseted Bracket **SB702**

Double Channel Gusseted Bracket **SB706**

SB702



SB706



SB702

Gussets 5mm thick.
Angles 6mm thick.
Unit Weight 2.09kg

SB706

Gussets 5mm thick.
Angles 6mm thick.
Unit Weight 2.37kg

All dimensions are in millimetres.

Channel nuts and setscrews are not supplied with brackets, therefore must be ordered separately.

Channel Nuts
Setscrews

page 79
page 92

Swiftrack channel support system

clamps

Pipe and Beam Clamps

Pipe Clamps

for 10-14mm pipe dia.	SP960
for 13-17mm pipe dia.	SP961
for 17-22mm pipe dia.	SP964
for 22-26mm pipe dia.	SP965
for 25-35mm pipe dia.	SP968
for 32-42mm pipe dia.	SP969
for 42-59mm pipe dia.	SP972
for 54-65mm pipe dia.	SP973

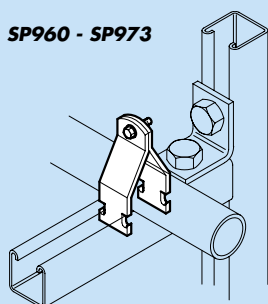
Pipe Clamps

for 62-71mm pipe dia.	SP975
for 73-83mm pipe dia.	SP976
for 81-87mm pipe dia.	SP977
for 89-101mm pipe dia.	SP978
for 101-113mm pipe dia.	SP979
for 113-125mm pipe dia.	SP980
for 125-135mm pipe dia.	SP981
for 145-155mm pipe dia.	SP982
for 170-180mm pipe dia.	SP983
for 200-212mm pipe dia.	SP984
for 220-230mm pipe dia.	SP985

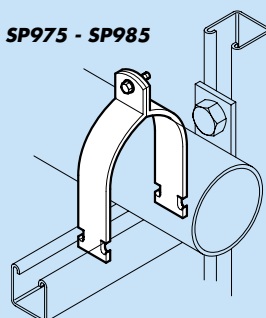
Beam Clamps

Beam Clamp	SC850
Beam Clamp	SC851
Window Beam Clamp	SC852/21
Window Beam Clamp	SC852/41
Window Beam Clamp	SC852/82

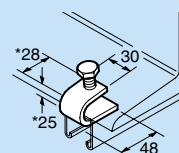
SP960 - SP973



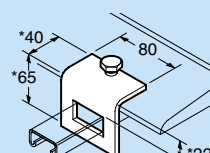
SP975 - SP985



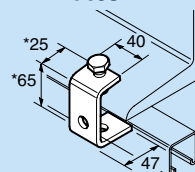
SC850



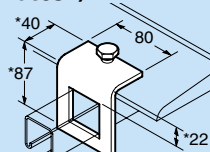
SC852/21



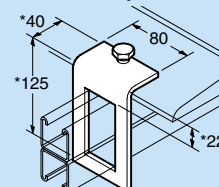
SC851



SC852/41



SC852/82



Ref.	Unit Weight kg
SB960	0.06
SB961	0.07
SB964	0.08
SB965	0.09
SB968	0.10
SB969	0.11
SB972	0.13
SB973	0.15
SB975	0.16
SB976	0.17
SB977	0.19
SB978	0.20
SB979	0.22
SB980	0.24
SB981	0.25
SB982	0.29
SB983	0.33
SB984	0.38
SB985	0.41

Nuts and bolts where shown are included.

FINISHES

All pipe clamps are available pre-galvanized to BS EN10147: Part 2, and stainless steel grade 316.

SC850

Maximum load 400kgf/pair. Use in pairs.
Unit Weight 0.16kg *Not available in -/SS finish.*

SC851

Maximum load 200kgf. Unit Weight 0.26kg

SC852/21

For 21mm channel.
Maximum load 475kgf/pair. Use in pairs.
Unit Weight 0.37kg

SC852/41

For 41mm channel and 21mm back-to-back channels.
Maximum load 475kgf/pair. Use in pairs.
Unit Weight 0.52kg

SC852/82

For 41mm back-to-back channels.
Maximum load 475kgf/pair. Use in pairs.
Unit Weight 0.56kg *Not available in -/SS finish.*

SC853

Maximum load 900kgf/pair. Use in pairs.
Unit Weight 0.36kg

Nuts, bolts, cone point screws and U bolts where shown are included. All dimensions in millimetres.

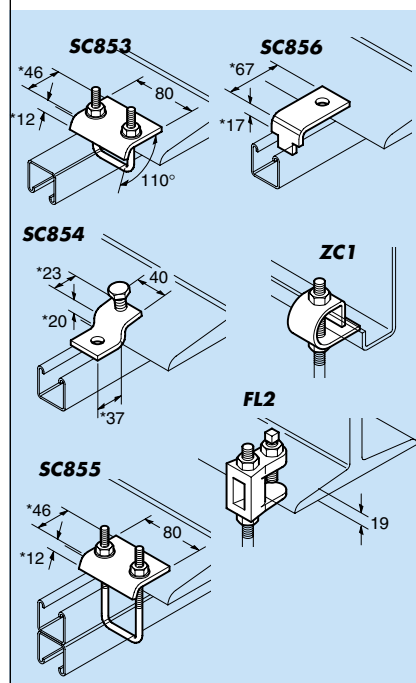
* Inside dimensions.

Swiftrack channel support system

clamps and accessories

Beam Clamps

Beam Clamp	SC853
Beam Clamp	SC854
Beam Clamp	SC855
Toe Beam Clamp	SC856
Beam Clamp	ZC1
Beam Clamp	FL2



SC854

Maximum load 350kgf/pair. Use in pairs.
Unit Weight 0.17kg

SC855

Maximum load 900kgf/pair. Use in pairs.
Unit Weight 0.37kg

SC856

Maximum load 400kgf/pair. Use in pairs.
Requires 2 setscrews and channel nuts for fixing (not included). Unit Weight 0.15kg

ZC1

Maximum load 25kg. Use M10 Rod. Zinc plated to BS3382: Part 2.

FL2

Maximum load 240kg. Use M10 Rod. Zinc plated to BS3382: Part 2. Unit Weight 0.15kg
Not available in -/SS finish.

FINISHES

All beam clamps are available hot dip galvanized to BS729 and stainless steel grade 316 unless otherwise stated.

Channel Accessories

Channel End Caps for 41mm Deep Channel

Channel End Cap, black	SC950B
Channel End Cap, white	SC950W

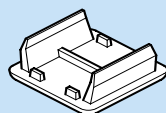
Channel End Caps for 21mm Shallow Channel

Channel End Cap, black	SC951B
Channel End Cap, white	SC951W

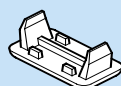
Closure Strips

Closure Strip, plastic	SC952
Closure Strip, metal	SC953

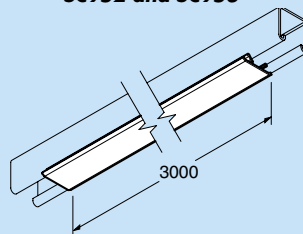
SC950B and SC950W



SC951B and SC951W



SC952 and SC953



SC950B and SC950W

For SC400, SC401 and SC403 channels.
Weight 0.9kg per 100.

SC951B and SC951W

For SC200, SC201 and SC203 channels.
Weight 0.4kg per 100.

SC952

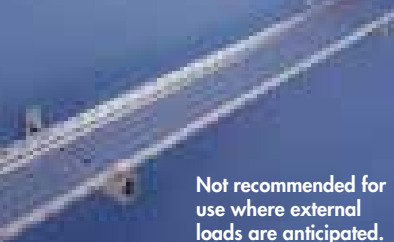
Standard length 3 metres.
Unit Weight 0.4kg

SC953

Standard length 3 metres.
Unit Weight 1.0kg

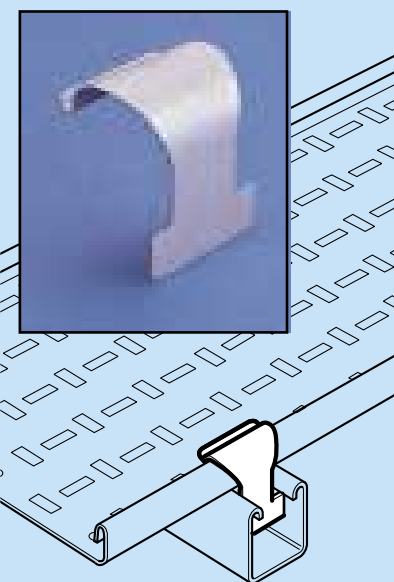
Easi-clip

For fast and economical installation of MRF Tray.



for MRF Tray, pack 50

CKP25



Slide the Easi-clips into Swiftrack channel (one per flange) and a simple 'on-click' movement will secure the tray.

No additional fastenings are needed.



Use in pairs.

Zinc coated finish.

Swiftrack channel support system

supports

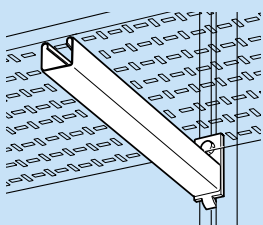
Cantilever Arms are also available in stainless steel grade 316.

In addition to the cantilever arms listed, there are many other specialist support brackets for use with Cable Tray, Cable Ladder or Fastrack F31. These are detailed in the relevant sections in this catalogue.

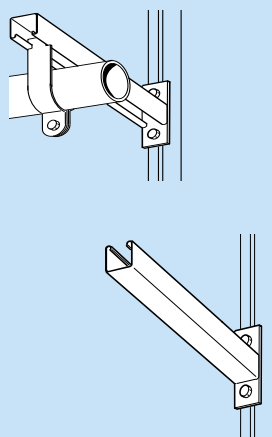
Cantilever Arms

Cantilever Arms		Cantilever Arms, Universal		Cantilever Arms, Side	
150mm long	SA750	150mm long	SA760	150mm long	SA790
225mm long	SA751	225mm long	SA761	225mm long	SA791
300mm long	SA752	300mm long	SA762	300mm long	SA792
450mm long	SA753	450mm long	SA763	450mm long	SA793
600mm long	SA754	600mm long	SA764	600mm long	SA794
750mm long	SA755	750mm long	SA765	750mm long	SA795
900mm long	SA757	900mm long	SA766	900mm long	SA796

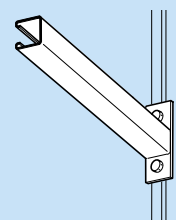
Cantilever Arms



Cantilever Arms, Universal



Cantilever Arms, Side



Cantilever Arms

Supplied loose.

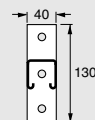
Ref.	Unit Weight kg	Maximum uniformly distributed load kgf
SA750	0.64	400* ‡
SA751	0.85	396 ‡
SA752	1.03	304
SA753	1.42	202
SA754	1.81	150
SA755	2.20	110
SA757	2.60	90



Cantilever Arms, Universal

Supplied loose.

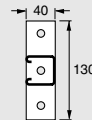
Ref.	Unit Weight kg	Maximum uniformly distributed load kgf
SA760	0.64	700 ‡
SA761	0.85	456
SA762	1.03	350
SA763	1.42	230
SA764	1.81	170
SA765	2.20	136
SA766	2.60	110



Cantilever Arms, Side

Supplied loose.

Ref.	Unit Weight kg
SA790	0.64
SA791	0.85
SA792	1.03
SA793	1.42
SA794	1.81
SA795	2.20
SA796	2.60



* Slip limits loading capacity.

STAINLESS STEEL CANTILEVER ARMS

The loads for stainless steel Cantilever Arms are 60% of those given in the tables, except those marked ‡ where the limit is 50%.

Contact our Sales Support for details.

Swiftrack channel support system

supports

Cantilever Arms

Cantilever Arms, Double Channel

150mm long	SA770
225mm long	SA771
300mm long	SA772
450mm long	SA773
600mm long	SA774
750mm long	SA775
900mm long	SA776

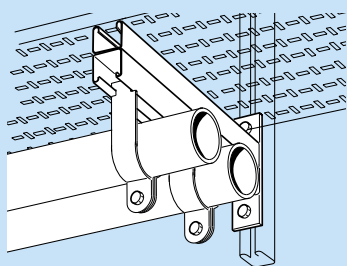
Cantilever Arm Bracket

Cantilever Arm Bracket	SA756
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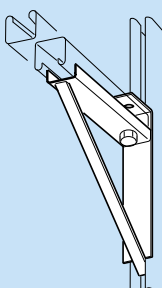
Cantilever Arms, Pre-galvanized

100mm long	ST860
150mm long	ST861
225mm long	ST862
300mm long	ST863
450mm long	ST864
600mm long	ST865
750mm long	ST866
900mm long	ST867

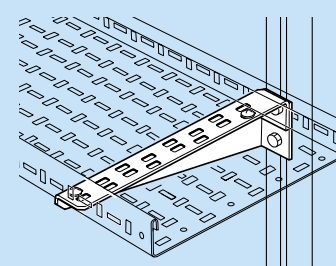
Cantilever Arms, Double Channel



Cantilever Arm Bracket



Cantilever Arms, Pre-galvanized

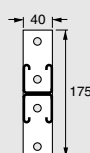


Cantilever Arms, Double Channel

Supplied loose.

Ref.	Unit Weight kg	Maximum uniformly distributed load kgf
SA770	1.14	800* †
SA771	1.68	800* †
SA772	2.02	650
SA773	2.90	430
SA774	3.78	320
SA775	4.66	250
SA776	5.60	200

* Slip limits loading capacity.

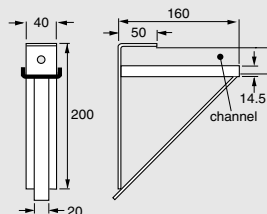


Cantilever Arm Bracket

Supplied loose.

Horizontal arm section from 3mm steel only.

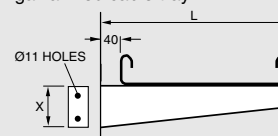
Unit Weight 1.13kg



Cantilever Arms, Pre-galvanized

Supplied loose.

Particularly suitable for use with pre-galvanized cable tray.



Ref.	L mm	X mm	Unit Weight kg	SWL kgf*
ST860	140	75	0.30	120 ¹
ST861	190	75	0.40	120 ¹
ST862	265	90	0.60	150
ST863	340	90	0.80	150
ST864	490	120	1.20	150
ST865	640	180	2.50	300
ST866	790	230	4.10	300
ST867	940	280	5.60	300

* Per cantilever arm for load uniformly distributed across complete arm using two fixing holes. Safety factor: 2.

¹ When one fixing hole is used the recommended safe working load = 100 kgf.

STAINLESS STEEL CANTILEVER ARMS

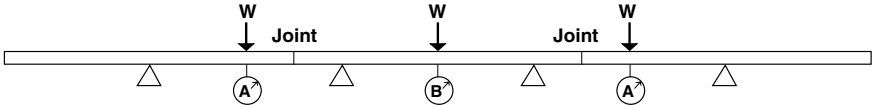
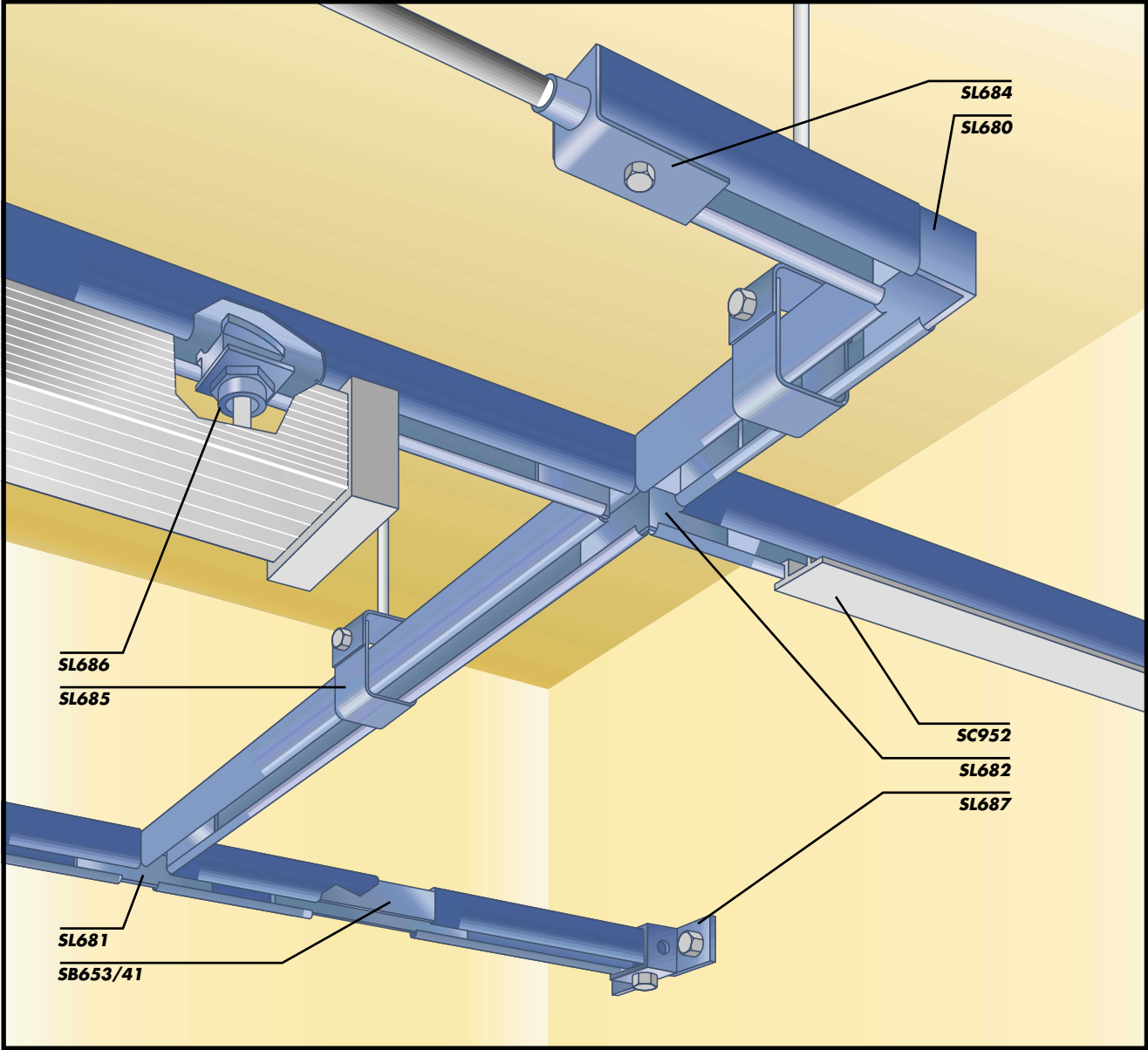
The loads for stainless steel Cantilever Arms are 60% of those given in the tables, except those marked † where the limit is 50%.

Contact our Sales Support for details.

Swiftrack channel support system

lighting channel

A Swiftrack system can be used as a form of lighting trunking to contain and protect electric cables and to support light fittings and ceiling panels.



DEFLECTION
(in millimetres)

L Metres	W=0		W=5 kgf		W=10 kgf		W=15 kgf		W=20 kgf		W=25 kgf		W=30 kgf		Span 200
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
2	0	0	0	0	1	0	2	0	2	0	3	0	3	0	10
3	0	1	0	2	2	4	4	5	5	6	5	7	5	8	15
* 4	0	1.5	5	3	7	7	9	9	11	11	12	14	15	17	21
* 5	0	2	5	0	15	2	20	4	—	—	—	—	—	—	26

* Loads given for 4m and 5m spans are for 6m lengths of channel.

Load/deflection information given in the table is based upon a typical installation of 3-6.0m lengths of channel joined with two SB653/41 Internal Jointing Channels. The joints were placed equidistant from the central support positions and the outer ends were left unrestrained. The loads detailed were applied as point loads at mid-span and the deflection measurements were also taken at the mid-span positions.

Swiftrack channel support system

lighting channel

Lighting Channel Fittings

90° Bend	SL680
Tee	SL681
4-Way Crosspiece	SL682
End Cover	SL683
End Conduit Connector	SL684
Suspension Bracket	SL685

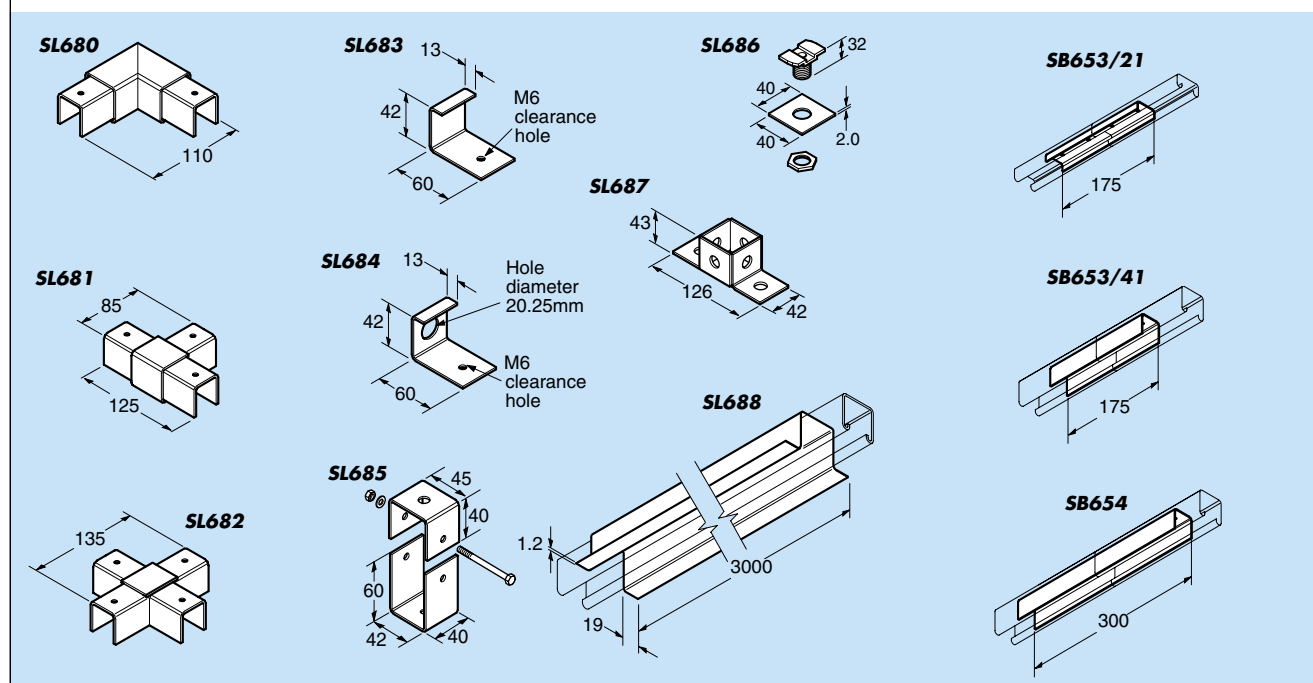
Adaptor	SL686
Flange Connector	SL687
Top Hat Section	SL688

Internal Jointing Channels for 41mm Deep Channel

Internal Jointing Channel	SB653/41
Internal Jointing Channel	SB654

Internal Jointing Channel for 21mm Shallow Channel

Internal Jointing Channel	SB653/21
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SL680
Supplied complete with M5 x 8mm pan head screws.
2mm thick galvanized steel.
Unit Weight 0.48kg

SL681
Supplied complete with M5 x 8mm pan head screws.
2mm thick galvanized steel.
Unit Weight 0.35kg

SL682
Supplied complete with M5 x 8mm pan head screws.
2mm thick galvanized steel.
Unit Weight 0.39kg

SL683
Requires one M6 x 20mm setscrew and one SN060 channel nut for fixing (not supplied).
1.6mm thick pre-galvanized steel.
Unit Weight 0.06kg

SL684
Requires one M6 x 20mm setscrew and one SN060 channel nut for fixing (not supplied).
1.6mm thick pre-galvanized steel.
Unit Weight 0.06kg

SL685
1.6mm thick pre-galvanized steel.
Unit Weight 0.16kg

SL686
For attaching fluorescent fittings or 20mm conduit.
Hole diameter 16mm.
Thread diameter 20mm.
Unit Weight 0.07kg

SL687
Requires one M6 x 20mm setscrew and one SN060 channel nut for fixing (not supplied).
3mm thick hot dip galvanized steel.
Unit Weight 0.61kg

SL688
1.2mm thick pre-galvanized steel.
Standard length 3 metres.
Unit Weight 4.63kg

SB653/21
For 21mm channel.
Supplied complete with M5 x 8mm pan head screws.
2mm thick pre-galvanized steel.
Standard length 175mm
Unit Weight 0.17kg

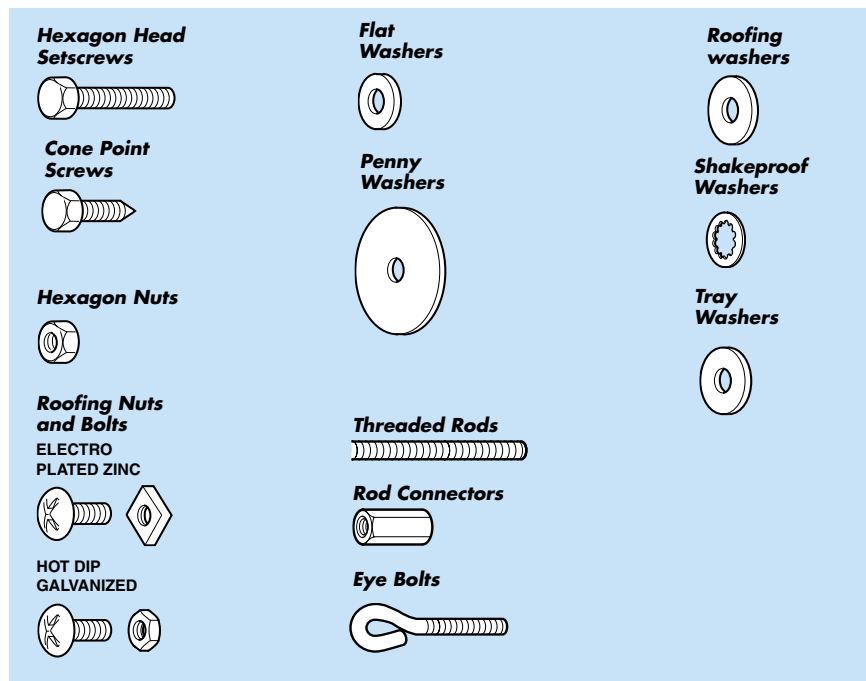
SB653/41
For 41mm channel.
Supplied complete with M5 x 8mm pan head screws.
2mm thick pre-galvanized steel.
Standard length 175mm
Unit Weight 0.25kg

SB654
For 41mm channel.
Supplied complete with M5 x 8mm pan head screws.
2mm thick pre-galvanized steel.
Standard length 300mm
Unit Weight 0.45kg

SL686 and SL688 are not available in -/SS finish.

Swiftrack channel support system

standard fixings and fastenings



Screws

Hexagon Head Setscrews ELECTRO PLATED ZINC

M6 x 16	pack 200	SS0616
M6 x 20	pack 200	SS0620
M6 x 25	pack 200	SS0625
M6 x 30	pack 200	SS0630
M8 x 20	pack 200	SS0820
M8 x 25	pack 200	SS0825
M8 x 30	pack 200	SS0830
M8 x 35	pack 200	SS0835
M8 x 40	pack 200	SS0840
M8 x 50	pack 200	SS0850
M10 x 16	pack 200	SS1016
M10 x 20	pack 200	SS1020
M10 x 25	pack 200	SS1025
M10 x 30	pack 200	SS1030
M10 x 35	pack 100	SS1035
M10 x 40	pack 100	SS1040
M10 x 45	pack 100	SS1045
M10 x 50	pack 100	SS1050
M12 x 20	pack 100	SS1220
M12 x 25	pack 100	SS1225
M12 x 30	pack 100	SS1230
M12 x 35	pack 100	SS1235
M12 x 40	pack 100	SS1240
M12 x 50	pack 100	SS1250

HOT DIP GALVANIZED

M6 x 12	pack 200	SSG0612
M6 x 16	pack 200	SSG0616
M6 x 20	pack 200	SSG0620
M6 x 35	pack 200	SSG0635

STAINLESS STEEL

M6 x 20	pack 100	SS0620/SS
M6 x 25	pack 100	SS0625/SS
M8 x 25	pack 100	SS0825/SS
M8 x 35	pack 100	SS0835/SS
M8 x 40	pack 100	SS0840/SS
M10 x 16	pack 100	SS1016/SS
M10 x 25	pack 100	SS1025/SS
M10 x 40	pack 100	SS1040/SS
M12 x 25	pack 100	SS1225/SS

Cone Point Screws ELECTRO PLATED ZINC

M10 x 35	pack 100	CP1035
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STAINLESS STEEL

M10 x 35	pack 100	CP1035/SS
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Swiftrack channel support system

standard fixings and fastenings

Nuts and Bolts

Hexagon Nuts		
ELECTRO PLATED ZINC		
M6	pack 500	HN06
M8	pack 500	HN08
M10	pack 200	HN10
M12	pack 200	HN12
HOT DIP GALVANIZED		
M6	pack 500	HNG06
STAINLESS STEEL		
M6	pack 100	HN06/SS
M8	pack 100	HN08/SS
M10	pack 100	HN10/SS
M12	pack 100	HN12/SS
Roofing Nuts and Bolts		
ELECTRO PLATED ZINC		
M6 x 12	pack 200	RB0612
M6 x 16	pack 200	RB0616
M6 x 20	pack 200	RB0620
M6 x 25	pack 200	RB0625
M6 x 30	pack 100	RB0630
M6 x 40	pack 100	RB0640
M6 x 50	pack 100	RB0650
HOT DIP GALVANIZED		
M6 x 12	pack 100	RBG0612
M6 x 16	pack 100	RBG0616
STAINLESS STEEL		
M6 x 12	pack 100	RB0612/SS
M6 x 16	pack 100	RB0616/SS
M6 x 20	pack 100	RB0620/SS

Washers

Flat Washers		
ELECTRO PLATED ZINC		
M6	pack 500	FW06
M8	pack 500	FW08
M10	pack 500	FW10
M12	pack 200	FW12
STAINLESS STEEL		
M6	pack 100	FW06/SS
M8	pack 100	FW08/SS
M10	pack 100	FW10/SS
M12	pack 100	FW12/SS
Roofing Washers		
HOT DIP GALVANIZED		
M6	pack 500	RWG06
Penny Washers		
ELECTRO PLATED ZINC		
M6 x 25	pack 400	PW06
M8 x 25	pack 400	PW08
M10 x 38	pack 400	PW10
M12 x 40	pack 400	PW12
Shakeproof Washers		
ELECTRO PLATED ZINC		
M6	pack 400	SW06
M8	pack 400	SW08
M10	pack 400	SW10
M12	pack 400	SW12
Tray Washers		
ELECTRO PLATED ZINC		
M6 x 20	pack 400	TW06
HOT DIP GALVANIZED		
M6 x 20	pack 100	TWG06

Threaded Rods and Connectors

Threaded Rods		
ELECTRO PLATED ZINC		
M6 x 3m	single	TR06
M8 x 3m	single	TR08
M10 x 3m	single	TR10
M12 x 3m	single	TR12
STAINLESS STEEL		
M6 x 3m	single	TR06/SS
M8 x 3m	single	TR08/SS
M10 x 3m	single	TR10/SS
M12 x 3m	single	TR12/SS
Threaded Rod Connectors		
ELECTRO PLATED ZINC		
M6	single	RC06
M8	single	RC08
M10	single	RC10
M12	single	RC12

Eye Bolts

ELECTRO PLATED ZINC		
M6 x 80	single	EB06
M8 x 80	single	EB08
M10 x 80	single	EB10
M12 x 80	single	EB12

Threaded Rods - maximum load for connector

Rod Ref	Size	SWL, kgf
TR06	M6	91
TR08	M8	165
TR10	M10	262
TR12	M12	381

Swiftrack channel support system

loads

Channels Used as Beams

The maximum safe load for a channel can be calculated knowing the strength of the steel (Yield Stress). Alternatively, if the appearance of the channel under load is considered important, then its deflection can be kept within visually acceptable limits.

Deflection limitations may render a lower recommended loading than that calculated from the strength of the steel.

Thus the two alternative approaches are:

- 1) To apply a maximum mid-span deflection of 1/200th of the span.
- 2) To place no limit on deflection and to apply a maximum load derived from calculations which include both the minimum yield stress of the steel and a safety factor (1.6).

Details of the maximum recommended uniformly distributed and point loads under both of these conditions are given in the table on the page opposite; these are provided for unrestrained condition (see below) and they apply to the worst situation of a simple single span only.

If in practice loads are neither uniformly distributed across the complete beam nor imposed at mid-span only, it is still possible to use a safe approximation and assess the suitability of a channel section. Do this by assuming that all loads are point loads imposed at mid-span only, and then consider the point load data in the table. This approximation will render a cautious result, which is nevertheless sufficient in most cases to show that a channel is satisfactory. However, if it does yield an unsatisfactory result check with Legrand, as the degree of inherent caution is such that the design may still be safe. Legrand will be pleased to recheck your calculations, using your intended loadings.

The data provided in the table opposite is calculated in accordance with BS5950: Part 5.

Channels Used as Columns

It is rare that any loads will be applied only to the end of a vertical column; most practical loading conditions involve the use of brackets and fittings attached to the open side of the channel. Loads applied in this way will produce a combined axial force down the column and a bending force on the side of the column which will reduce the allowable maximum load. The effects of such eccentric loadings should be carefully checked in accordance with standard design practice as given in BS5950 Part 5.

Legrand will be pleased to give further advice and assistance on request.

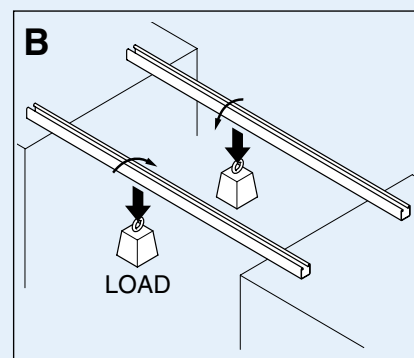
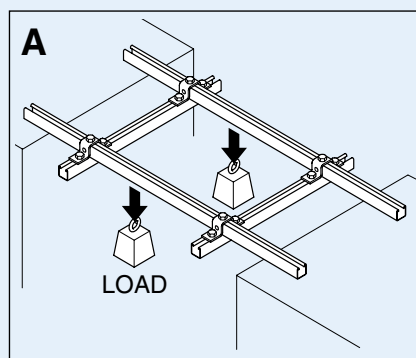
Fully Restrained and Unrestrained Loads

There are two alternative approaches to providing information on the structural strength of channel section used as beams.

Data is sometimes given on the basis of a **fully restrained** condition, which assumes that the channel section is in some way completely prevented from twisting under load (see illustration A). Alternatively data may be given on the basis of an **unrestrained** condition which assumes that, because no channel is perfect, placing it under load may result in some twisting taking place even though the ends of the channel are firmly secured (see illustration B).

Because the channel is constrained to remain in the optimum position, data given on a fully restrained basis will, for larger spans, suggest that a far higher load can be applied than with the unrestrained condition.

Both alternative sets of data are given in the Legrand Engineering Manual; however, unless positive intermediate restraint is applied to completely prevent any twisting it is recommended that the data for unrestrained channels, given in the table opposite, should normally be used.



Beam Loads									Column Loads	Notes to Tables	
	Laterally Unrestrained Condition				Fully Laterally Restrained Condition				# Maximum Axial Column Load	\$ Based on a limited deflection of $\frac{L}{200}$, the safe maximum load value is given which will give a deflection of $< \frac{L}{200}$.	
Distance Between Supports m	Uniformly Distributed Across Span kgf	Point Load at Mid-Span kgf	UD Load kgf	Point Load at Mid-Span kgf	Uniformly Distributed Across Span kgf	Point Load at Mid-Span kgf	UD Load kgf	Point Load at Mid-Span kgf	Column Height m	kgf	† Limited by slip on a single bolt connection each end. * For columns the limited slenderness ratio of 180 is exceeded at the length indicated. # It should be noted that maximum axial column loads are supplied for guidance only. It is unlikely that columns will be loaded with axial load only. Most practical load conditions will involve the use of brackets and fittings attached to the column. Loads applied in this way will produce both axial load and bending on the columns which will reduce the allowable maximum load. The above loads have been treated as imposed loads in accordance with BS5950 and accordingly a load factor of f = 1.6 has been assumed. Should the loads to be applied be of a permanent nature it may be appropriate to use a load factor of f = 1.4. This would lead to an increase in the load capacity provided that capacity is not limited by bolt slip or deflection. Loads given in the chart are for pre-galvanized channels to BS EN 10147 grade Fe E 250G (previously Z25). The process of manufacturing channel does increase the strength of the steel and this increase has been allowed for in the data (as recommended in BS5950 Part 5). However, if channels are subsequently hot dip galvanized the stresses created during manufacture are relieved by the heat of the process, thereby negating the strength enhancement. Therefore for hot dip galvanized channels the loads in the chart should be reduced by between 10% and 20% depending on the section. A 20% reduction will provide a conservative maximum load value for all types of hot dip galvanized channel All loads are for brackets fixed with M12 setscrews and M12 zinc plated channel nuts.
0.20	† 800 687 † 800 † 800	† 800 343 † 800 † 800	† 800 \$ 687 † 800 † 800	† 800 \$ 343 † 800 † 800	† 1020 687 † 1019 † 1019	† 1020 343 † 1019 914	\$ 1020 \$ 687 \$ 1019 \$ 1019	\$ 1020 \$ 343 \$ 1019 \$ 914	0.20	6325 4279 11475 8190	
0.40	† 800 343 † 800 † 800	561 171 † 800 457	† 800 \$ 343 † 800 † 800	\$ 561 \$ 171 † 800 \$ 457	† 1019 343 † 1018 913	561 171 † 1018 457	\$ 1019 \$ 343 \$ 1018 \$ 913	\$ 561 \$ 171 \$ 1018 \$ 457	0.40	6217 3850 11375 7853	
0.60	747 226 † 800 603	374 113 † 800 302	\$ 747 \$ 226 † 800 \$ 603	\$ 374 \$ 113 † 800 \$ 302	747 228 † 1017 608	374 114 973 304	\$ 747 \$ 228 \$ 1017 \$ 608	\$ 374 \$ 114 \$ 973 \$ 304	0.60	5982 2879 11041 7308	
0.80	543 164 † 800 437	271 82 708 218	\$ 543 134 † 800 \$ 437	\$ 271 \$ 82 \$ 708 \$ 218	560 170 † 1016 455	280 85 729 227	\$ 560 134 \$ 1016 \$ 455	\$ 280 84 \$ 729 \$ 227	0.80	5640 1867 10621 6348	
1.00	419 126 † 800 337	210 63 548 168	\$ 419 85 † 800 \$ 337	\$ 210 53 \$ 548 \$ 168	447 136 † 1015 363	223 68 582 181	\$ 447 85 \$ 1015 \$ 363	\$ 223 53 \$ 582 \$ 181	1.00	5102 1253 10035 5010	
1.20	336 101 † 800 270	168 50 440 135	\$ 336 58 † 800 \$ 270	\$ 168 36 \$ 440 \$ 135	371 113 969 301	186 56 484 151	\$ 371 58 \$ 969 277	\$ 186 36 \$ 484 \$ 151	1.20	4346 891 9193 3803	
1.40	275 83 723 221	138 41 361 111	271 42 \$ 723 202	\$ 138 26 \$ 361 \$ 111	317 96 829 257	159 48 414 128	271 42 \$ 829 202	\$ 159 26 \$ 414 126	1.40	3549 664 8088 2917	
1.60	230 69 604 185	115 35 302 93	206 31 \$ 604 153	\$ 115 19 \$ 302 \$ 93	277 83 723 224	139 42 362 112	206 31 \$ 723 153	129 19 \$ 362 95	1.60	2872 513 6889 2289	
1.80	194 59 510 157	97 29 255 79	162 23 \$ 510 119	\$ 97 15 \$ 255 74	245 73 641 198	123 37 321 99	162 23 \$ 641 119	101 15 \$ 321 74	1.80	2345 408 5792 1838	
2.00	165 51 434 135	83 25 217 67	130 18 \$ 434 94	81 11 \$ 217 59	220 66 575 177	110 33 288 88	130 18 \$ 575 94	81 11 \$ 288 59	2.00	1938 *332 4874 1506	
2.20	142 44 371 116	71 22 186 58	106 14 \$ 371 76	66 9 \$ 186 47	199 59 521 159	100 29 261 80	106 14 \$ 521 76	66 9 \$ 261 47	2.20	1625 *276 4131 1255	
2.40	123 38 319 101	61 19 160 50	87 11 \$ 319 62	55 7 \$ 160 39	182 53 476 145	91 27 238 72	87 11 460 62	55 7 \$ 238 39	2.40	1381 *233 3534 1062	
2.60	107 33 276 88	53 17 138 44	73 8 \$ 276 51	46 5 \$ 138 32	167 49 436 133	83 24 219 66	73 8 389 51	46 5 \$ 219 32	2.60	1186 *199 3051 910	
2.80	94 29 240 77	47 15 120 39	61 6 \$ 240 42	38 4 \$ 120 26	154 45 405 122	77 22 202 61	61 6 333 42	38 4 \$ 202 26	2.80	1030 *172 2658 *788	
3.00	82 25 209 68	41 13 105 34	52 4 \$ 209 34	33 3 \$ 105 21	143 41 376 113	71 21 188 56	52 4 286 34	33 3 179 21	3.00	902 *150 2335 *689	

§ Based on a limited deflection of $\frac{L}{200}$, the safe maximum load value is given which will give a deflection of $< \frac{L}{200}$.

† Limited by slip on a single bolt connection each end.

* For columns the limited slenderness ratio of 180 is exceeded at the length indicated.

It should be noted that maximum axial column loads are supplied for guidance only. It is unlikely that columns will be loaded with axial load only. Most practical load conditions will involve the use of brackets and fittings attached to the column. Loads applied in this way will produce both axial load and bending on the columns which will reduce the allowable maximum load.

The above loads have been treated as imposed loads in accordance with BS5950 and accordingly a load factor of $f = 1.6$ has been assumed. Should the loads to be applied be of a permanent nature it may be appropriate to use a load factor of $f = 1.4$. This would lead to an increase in the load capacity provided that capacity is not limited by bolt slip or deflection.

Loads given in the chart are for pre-galvanized channels to BS EN 10147 grade Fe E 250G (previously Z25). The process of manufacturing channel does increase the strength of the steel and this increase has been allowed for in the data (as recommended in BS5950 Part 5). However, if channels are subsequently hot dip galvanized the stresses created during manufacture are relieved by the heat of the process, thereby negating the strength enhancement. Therefore for hot dip galvanized channels the loads in the chart should be reduced by between 10% and 20% depending on the section. A 20% reduction will provide a conservative maximum load value for all types of hot dip galvanized channel.

All loads are for brackets fixed with M12 setscrews and M12 zinc plated channel nuts.

Swiftrack channel support system

engineering data

Channels

Standard channels are cold rolled to BS6946 from 2.5mm pre-galvanized mild steel to BS EN 10147 grade Fe E 250G.

Light gauge channels are cold rolled from 1.5mm pre-galvanized mild steel to BS EN 10147 grade Fe E 250G.

Back-to-back channels are formed by spot welding together two finished single channels at 150mm centres under controlled conditions to BS5950: Part 5 1987. All welds and spot welds are suitably protected.

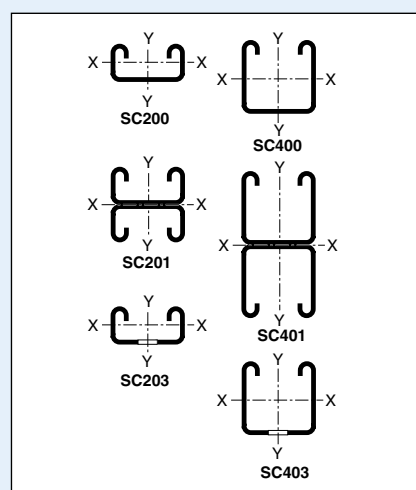
The standard lengths for single or multiple channels are 3m and 6m +6mm
- 0mm

Minimum yield strength, Y_s : 250N/mm²

Minimum ultimate strength: 350N/mm²

Minimum design strength, P_y : 250N/mm²

SECTION PROPERTIES



SECTION	Wt kg/m	A mm ²	I_{xx} mm ⁴	Z_{top} (min) mm ³	Z_{btm} (max) mm ³	r_{xx} mm	I_{yy} mm ⁴	r_{yy} mm
SC200	1.8	219	10779	862	1330	7.1	49776	15.1
SC201	3.6	439	50507	2451	2451	10.8	99552	15.1
SC203	1.6	219	8960	794	961	6.4	49318	15.0
SC400	2.6	322	67157	2857	3772	14.5	88783	16.6
SC401	5.3	645	339300	8215	8215	23.0	177566	16.6
SC403	2.4	322	57221	2645	2909	13.3	88325	16.5

Wt = weight of section (kg/m)

A = cross sectional area (mm²)

I_{xx} = moment of inertia = second moment of area (mm⁴)

I_{yy} = moment of inertia = second moment of area (mm⁴)

Z_{top} = section modulus about xx axis (mm³)

Z_{bottom} = section modulus about xx axis (mm³)

r_{xx} = radius of gyration (mm)

r_{yy} = radius of gyration (mm)

xx = about xx axis

yy = about yy axis

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Channel Nuts

The safe working loads for zinc plated channel nuts only.

Slip	M12: 4.0kN
	M10: 3.0kN
Pullout	M12: 8.0kN
	M10: 6.0kN
Safety Factor	3 when tested to BS6946
Torque	Tightened to M12: 7 kgf.m (50 ftlb)
	M10: 5.5 kgf.m (40ftlb)

Framework Brackets

Brackets are manufactured to BS6946.

Unless otherwise stated, brackets are made from 6mm thick steel to BS EN 111.

Material Properties

Minimum Yield Stress: 170 N/mm².

Maximum Loads

Maximum loads for individual brackets are given with the illustrations in this catalogue. In most cases the mode of failure will be slippage of the bracket along the channel. However there are few channel/bracket combinations where the maximum load is dependent upon the strength of the bracket itself. Only M10 or M12 channel nuts and bolts should be used for the attachment of load-bearing brackets.

Fastenings

Fastening brackets and supports to Swiftrack channel.

Standard fastenings for Swiftrack are high tensile hexagon head setscrews to BS3692-8.8, these being zinc plated to BS83382: Part 2.

Channel type	Fitting Thickness ¹	Recommended Fastening ²
Deep channel SC400 series	6mm and 8mm 5mm and 6mm	M10 or M12 x 35mm ³ M10 or M12 x 20mm
Shallow channel SC200 series	7mm and 8mm 5mm and 6mm	M10 or M12 x 25mm ³ M10 or M12 x 20mm

¹ Most standard Swiftrack brackets are made from 6mm gauge steel.

² The use of too long a fastening will prevent proper tightening because the bolt end will foul the bottom of the channel before the head tightens down on the fitting.

³ When fastening brackets other than Swiftrack, longer bolts may be required if the bracket thickness is greater than 8mm.

Fastening tray to supports.

Use M6 x 16mm zinc plated roofing bolts or pan head bolts.

Fastening ladder to supports.

Use M6 x 16mm high tensile hexagon head setscrews.

Legrand will be pleased to give further advice and assistance on request.

Swiftrack channel support system

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Cantilever Arms

Maximum uniformly distributed loads for individual cantilever arms are given with the illustrations in this catalogue. However, should the loading not be uniform then the safe limit can be obtained by calculating the bending moment produced by the intended loads and comparing this with the maximum permissible bending moment for the relevant arm.

45 kgf.m for SA750 - SA755 and SA757

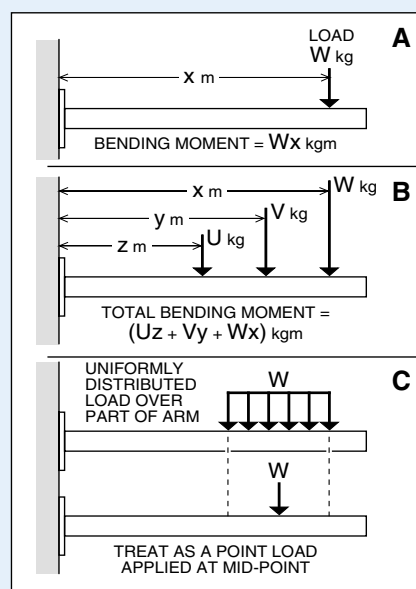
52 kgf.m for SA760 - SA766

95 kgf.m for SA770 - SA776

To obtain the bending movement resulting from any point load, multiply the size of the load by its distance from the inner end of the arm (see illustration A).

If several point loads exist then the total bending moment will be the sum of the individual bending moment produced by each point load (see illustration B).

If some part of the total load applied to an arm is uniformly distributed along a section of the arm only, then this part load can be treated as a point load acting at the mid-point of that section of arm to which it is applied (see illustration C).



Swiftrack channel support system

engineering data

MAXIMUM SAFE RECOMMENDED LOADINGS

(Based upon a load factor of 1.6 for hot dipped galvanized unrestrained condition as specified in BS5950 Part 5)

CANTILEVER ARMS

Component reference	Arm length mm	Uniformly distributed across arm kgf	Point load at outer end kgf
SA750	150	400 * †	303
SA751	225	396 †	198
SA752	300	304	152
SA753	450	202	101
SA754	600	150	75
SA755	750	110	55
SA757	900	90	45

Values assume the tray, ladder or other loading medium is rigidly fixed to cantilever arm.

* Slip limits loading capacity.

CANTILEVER ARMS, UNIVERSAL

Component reference	Arm length mm	Uniformly distributed across arm kgf	Point load at outer end kgf
SA760	150	700 †	350
SA761	225	456	228
SA762	300	350	175
SA763	450	230	115
SA764	600	170	85
SA765	750	136	68
SA766	900	110	55

Values assume the tray, ladder or other loading medium is rigidly fixed to cantilever arm.

CANTILEVER ARMS, DOUBLE CHANNEL

Component reference	Arm length mm	Uniformly distributed across arm kgf	Point load at outer end kgf
SA770	150	800 * †	648
SA771	225	800 * †	420
SA772	300	650	325
SA773	450	430	215
SA774	600	320	160
SA775	750	250	125
SA776	900	200	100

Values assume the tray, ladder or other loading medium is rigidly fixed to cantilever arm.

* Slip limits loading capacity.

NOTE:

The loads for stainless steel cantilever arms are 60% of those given in the tables, except those marked † where the limit is 50%.