

Strut Channels

STRUTFAST®

C Support Static Values - Safe Load

21x41				42x41				41x41				83x41			
Length, L mm				Def, f (max. L/200) mm				21x41x1.5 C 2141A 15 q, kN				41x41x1.5 C 4141A 15 q, kN			
UNIFORM LOAD, q (kN)				21x41x2.5 C 2141A 20 q, kN				42x41x2.5 C 4241A 25 q, kN				41x41x2.5 C 4141A 25 q, kN			
500	2.50	2.20	2.80	3.30	0.80	0.53	0.37	0.95	1.12	1.35	0.90	1.10	1.40	1.70	3.10
750	3.75	1.00	1.35	1.50	0.80	0.53	0.37	0.95	1.12	1.35	0.90	1.10	1.40	1.70	3.10
1000	5.00	0.56	0.70	0.80	0.80	0.53	0.37	0.95	1.12	1.35	0.90	1.10	1.40	1.70	3.10
1250	6.25	0.36	0.45	0.45	0.80	0.53	0.37	0.95	1.12	1.35	0.90	1.10	1.40	1.70	3.10
1500	7.50	0.25	0.31	0.27	0.80	0.53	0.37	0.95	1.12	1.35	0.90	1.10	1.40	1.70	3.10
1750	8.75	0.18	0.23	0.23	0.80	0.53	0.37	0.95	1.12	1.35	0.90	1.10	1.40	1.70	3.10
2000	10.00	0.12	0.17	0.21	0.80	0.53	0.37	0.95	1.12	1.35	0.90	1.10	1.40	1.70	3.10
2250	11.25		0.12	0.16	0.80	0.53	0.37	0.95	1.12	1.35	0.90	1.10	1.40	1.70	3.10
2500	12.50		0.10	0.12	0.80	0.53	0.37	0.95	1.12	1.35	0.90	1.10	1.40	1.70	3.10
2750	13.75				0.80	0.53	0.37	0.95	1.12	1.35	0.90	1.10	1.40	1.70	3.10
3000	15.00				0.80	0.53	0.37	0.95	1.12	1.35	0.90	1.10	1.40	1.70	3.10

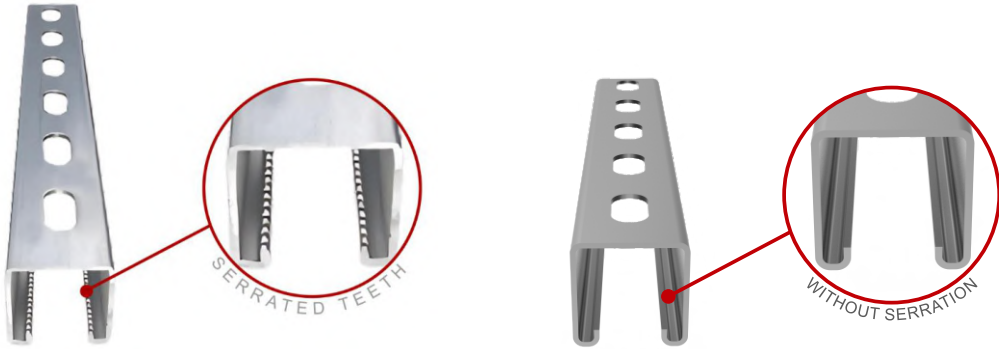
21x41				42x41				41x41				83x41			
Length, L mm				Def, f (max. L/200) mm				21x41x1.5 C 2141A 15 F, kN				41x41x1.5 C 4141A 15 F, kN			
ALLOWABLE LOAD, F (kN)				21x41x2.5 C 2141A 20 F, kN				42x41x2.5 C 4241A 25 F, kN				41x41x2.5 C 4141A 25 F, kN			
500	2.50	0.65	0.70	0.80	0.80	0.53	0.37	0.95	1.12	1.35	0.90	1.10	1.40	1.70	3.10
750	3.75	0.50	0.56	0.60	1.20	0.80	0.53	0.37	0.95	1.12	1.35	0.90	1.10	1.40	1.70
1000	5.00	0.35	0.38	0.42	0.82	0.53	0.37	0.95	1.12	1.35	0.90	1.10	1.40	1.70	3.10
1250	6.25	0.24	0.28	0.35	0.60	0.53	0.37	0.95	1.12	1.35	0.90	1.10	1.40	1.70	3.10
1500	7.50	0.19	0.23	0.30	0.52	0.53	0.37	0.95	1.12	1.35	0.90	1.10	1.40	1.70	3.10
1750	8.75	0.15	0.20	0.24	0.45	0.53	0.37	0.95	1.12	1.35	0.90	1.10	1.40	1.70	3.10
2000	10.00		0.15	0.18	0.40	0.53	0.37	0.95	1.12	1.35	0.90	1.10	1.40	1.70	3.10
2250	11.25				0.35	0.53	0.37	0.95	1.12	1.35	0.90	1.10	1.40	1.70	3.10
2500	12.50				0.31	0.53	0.37	0.95	1.12	1.35	0.90	1.10	1.40	1.70	3.10
2750	13.75				0.25	0.53	0.37	0.95	1.12	1.35	0.90	1.10	1.40	1.70	3.10
3000	15.00				0.20	0.53	0.37	0.95	1.12	1.35	0.90	1.10	1.40	1.70	3.10

Strut Channels

STRUTFAST®

Types of Strut Channels

The basic component of Strut Support System is the Strut Channel, which is a slotted steel mounting rail used for making steel frames and fixtures. They are utilized in ventilation, air conditioning and cooling systems but also for other components that are to be suspended. The serration in turned edges are for better grip between the channel nut and the channel itself. The Strut Channel comes in basic width of 41 mm and the length varying lengths such as 21 mm, 41 mm, 62 mm and 82 mm. Back to back channels welded together are also available, in case of higher load bearing requirements.



How to order?

Our channels are manufactured in compliance to U.S. and U.K. (BSEN6946:1988), AUS/NZS (ISO 9002) standards. Since the channels come in various thicknesses, lengths and Profile heights, ordering the channels can be cumbersome. Please refer to the following diagram as a product ordering guide.

SCS 21/2.5/3H

- Product Category (e.g. SCS stands for Slotted Strut Channels)
- Slotted
 - Profile Height
 - Profile Thickness
 - Channel Length
 - Channel Finish

Strut Channels

Strut Channel 21x41



SCS 21
Slotted





SC 21
Non - Slotted

SCS 21

L:3000

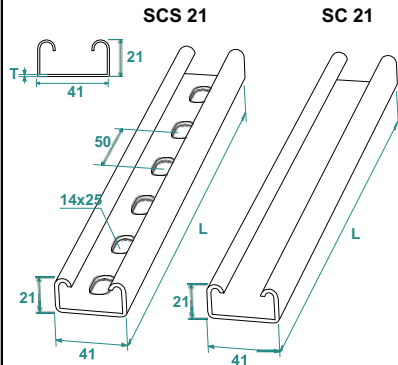
CODE	Thickness T mm	Length L mm	kg 1 m	pcs
SCS 21/1.2 PG	1.2	3000	0.85	1
SCS 21/1.5 PG	1.5	3000	1.05	1
SCS 21/2.0 PG	2.0	3000	1.45	1
SCS 21/2.5 PG	2.5	3000	1.80	1

SCS 21		L:3000-6000			
CODE	Thickness T mm	Length L mm	kg 1 m	pcs	
SCS 21/1.5 H	1.5	3000	1.13	1	
SCS 21/2.0 H	2.0	3000	1.51	1	
SCS 21/2.5 H	2.5	3000	1.88	1	
SCS 21/2.0 H	2.0	6000	1.51	1	
SCS 21/2.5 H	2.5	6000	1.88	1	

SC 21		L:3000			
CODE	Thickness T mm	Length L mm	 kg 1 m	 pcs	
SC 21/1.2	1.2	3000	0.95	1	
SC 21/1.5	1.5	3000	1.19	1	
SC 21/2.0	2.0	3000	1.59	1	
SC 21/2.5	2.5	3000	1.98	1	

SC 21		L:3000-6000			
CODE	Thickness T mm	Length L mm	kg 1 m	pcs	
SC 21/1.5 H	1.5	3000	1.19	1	
SC 21/2.0 H	2.0	3000	1.59	1	
SC 21/2.5 H	2.5	3000	1.98	1	
SC 21/2.0 H	2.0	6000	1.59	1	
SC 21/2.5 H	2.5	6000	1.98	1	

TECHNICAL DATA



		Z - Z AXIS			Y - Y AXIS		
SCS 21	Unit	1.5	2.0	2.5	1.5	2.0	2.5
Moment of Inertia	cm ⁴	3.34	4.25	5.07	0.7	0.88	1.03
Section Modulus	cm ³	1.68	1.88	2.59	0.6	0.75	0.89
Allowable Bending Stress	kN/cm ²	21.82	21.82	21.82	21.82	21.82	21.82

FEATURES & APPLICATIONS

Features

- C-profile with serrated edges – for higher pull-out and shear capacity
- Long back slots – for more flexible attachment options and round holes for optimised anchor fastening
- Pre-marked dimensions – for rapid installation, assembly and cutting
- Versatile and flexible due to modular channel system
- Sound insulation elements available for all MQ installation channels

Applications

- Recommended for installation in dry interiors
- Modular support systems for piping
- Modular support systems for air ducts and cable trays
- Modular support systems for 3D structures
- Wall-mounted installation

SCS 21/1.2/3000H

Product Category (e.g. SCS stands for Slotted Strut Channels)

Slotted
Profile Height
Profile Thickness
Channel Length
Channel Finish

AVAILABLE FINISH

HOT-DIP GALVANIZED - **H** PRE-GALVANIZED - **PG** STAINLESS STEEL TYPE 304 - **S4** FRP - **FR** DACROMET - **D**
ELECTROPLATED ZINC - **Z** POWDERCOAT - **PC** STAINLESS STEEL TYPE 316 - **S6** ALUMINIUM - **AL**

These illustration images are just for reference, actual product may differ.

Strut Channels



B2B Channel 42x41(Welded)





SBBS 21
Slotted

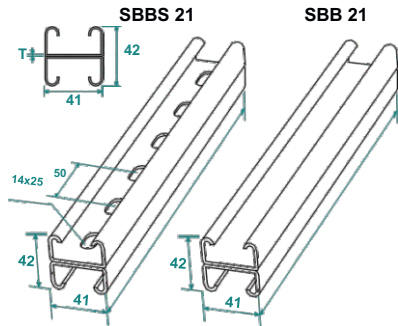


SBB 21
Non - Slotted

SBBS 21		L:3000-6000			
CODE	Thickness T mm	Length L mm	 kg 1 m	 pcs	
SBBS 21/2.0 H	2.0	3000	3.01	1	
SBBS 21/2.5 H	2.5	3000	3.77	1	
SBBS 21/2.0 H	2.0	6000	3.01	1	
SBBS 21/2.5 H	2.5	6000	3.77	1	

SBB 21		L:3000-6000			
CODE	Thickness T mm	Length L mm	 kg 1 m	 pcs	
SBB 21/2.0 H	2.0	3000	3.14	1	
SBB 21/2.5 H	2.5	3000	3.93	1	
SBB 21/2.0 H	2.0	6000	3.14	1	
SBB 21/2.5 H	2.5	6000	3.93	1	

TECHNICAL DATA



		Z - Z AXIS			Y - Y AXIS		
SBBS 21	Unit	2.0	2.5	2.0	2.5		
Moment of Inertia	cm ⁴	8.51	10.14	4.60	5.55		
Section Modulus	cm ³	4.26	5.18	2.19	2.65		
Allowable Bending Stress	kN/cm ²	21.82	21.82	21.82	21.82		

FEATURES & APPLICATIONS

Features

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Applications

- Recommended for installation in dry interiors
- Modular support systems for piping
- Modular support systems for air ducts and cable trays
- Modular support systems for 3D structures
- Wall-mounted installation

SBBS 21/2.0/3000H

Product Category (e.g. SBBS stands for B2B Slotted Strut Channels)

Slotted
Profile Height
Profile Thickness
Channel Length
Channel Finish

AVAILABLE FINISH

HOT-DIP GALVANIZED - **H** PRE-GALVANIZED - **PG** STAINLESS STEEL TYPE 304 - **S4** FRP - **FR** DACROMET - **D**
ELECTROPLATED ZINC - **Z** POWDERCOAT - **PC** STAINLESS STEEL TYPE 316 - **S6** ALUMINIUM - **AL**

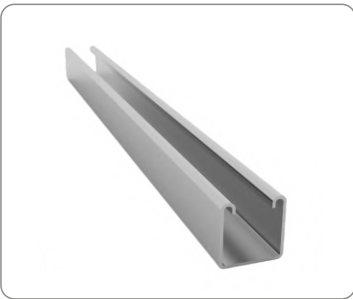
These illustration images are just for reference, actual product may differ.

Strut Channels

Strut Channel 41x41



SCS 41
Slotted



SC 41
Non - Slotted

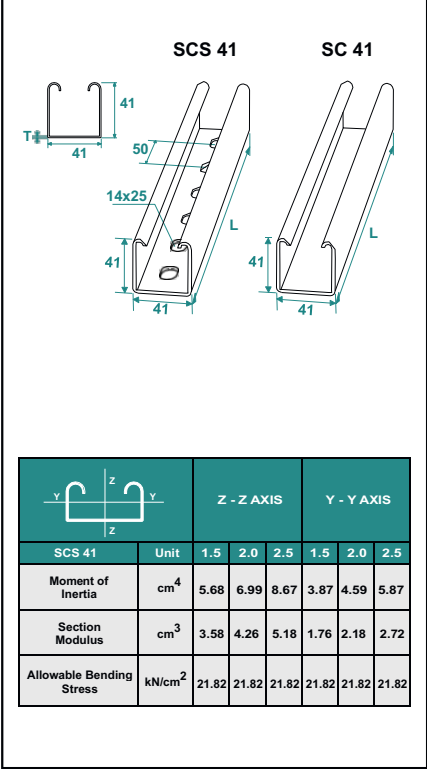
SCS41 L:3000					
CODE	Thickness T mm	Length L mm	kg 1 m	pcs	
SCS 41/1.5 PG	1.5	3000	1.55	1	
SCS 41/2.0 PG	2.0	3000	2.07	1	
SCS 41/2.5 PG	2.5	3000	2.58	1	

SC41 L:3000					
CODE	Thickness T mm	Length L mm	kg 1 m	pcs	
SC 41/1.5 PG	1.5	3000	1.65	1	
SC 41/2.0 PG	2.0	3000	2.20	1	
SC 41/2.5 PG	2.5	3000	2.75	1	

SCS41 L:3000-6000					
CODE	Thickness T mm	Length L mm	kg 1 m	pcs	
SCS 41/1.5 H	1.5	3000	1.58	1	
SCS 41/2.0 H	2.0	3000	2.11	1	
SCS 41/2.5 H	2.5	3000	2.64	1	
SCS 41/2.0 H	2.0	6000	2.11	1	
SCS 41/2.5 H	2.5	6000	2.64	1	

SC41 L:3000-6000					
CODE	Thickness T mm	Length L mm	kg 1 m	pcs	
SC 41/1.5 H	1.5	3000	1.65	1	
SC 41/2.0 H	2.0	3000	2.20	1	
SC 41/2.5 H	2.5	3000	2.75	1	
SC 41/2.0 H	2.0	6000	2.20	1	
SC 41/2.5 H	2.5	6000	2.75	1	

TECHNICAL DATA



FEATURES & APPLICATIONS

Features

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- Pre-marked dimensions – for rapid installation, assembly and cutting
- Versatile and flexible due to modular channel system
- Sound insulation elements available for all MQ installation channels

Applications

- Recommended for installation in dry interiors
- Modular support systems for piping
- Modular support systems for air ducts and cable trays
- Modular support systems for 3D structures
- Wall-mounted installation

SCS 41/1.5/3000H



AVAILABLE FINISH

HOT-DIP GALVANIZED - H	PRE-GALVANIZED - PG	STAINLESS STEEL TYPE 304 - S4	FRP - FR	DACROMET - D
ELECTROPLATED ZINC - Z	POWDERCOAT - PC	STAINLESS STEEL TYPE 316 - S6	ALUMINIUM - AL	

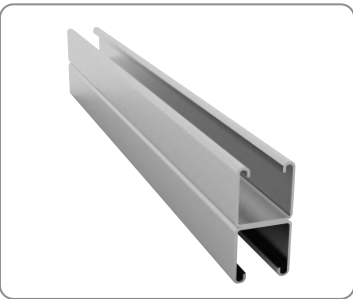
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Strut Channels

B2B Channel 83x41(Welded)



SBBS 41
Slotted

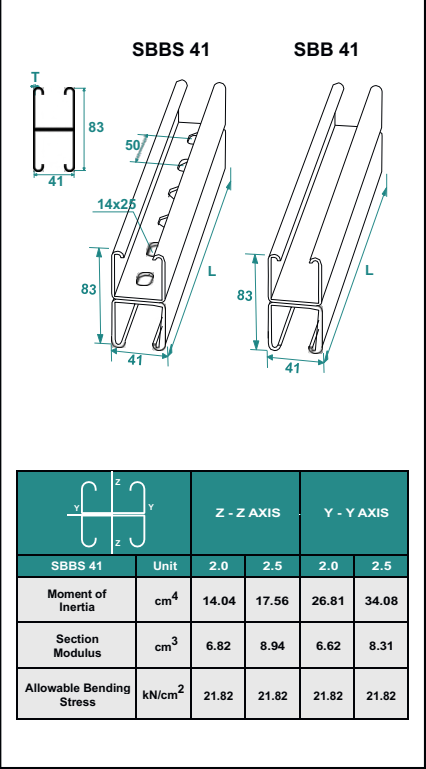


SBB 41
Non - Slotted

SBBS 41 L:3000-6000					
CODE	Thickness T mm	Length L mm	kg 1 m	pcs	
SBBS 41/2.0 H	2.0	3000	4.22	1	
SBBS 41/2.5 H	2.5	3000	5.28	1	
SBBS 41/2.0 H	2.0	6000	4.22	1	
SBBS 41/2.5 H	2.5	6000	5.28	1	

SBB 41 L:3000-6000					
CODE	Thickness T mm	Length L mm	kg 1 m	pcs	
SBB 41/2.0 H	2.0	3000	4.40	1	
SBB 41/2.5 H	2.5	3000	5.50	1	
SBB 41/2.0 H	2.0	6000	4.40	1	
SBB 41/2.5 H	2.5	6000	5.50	1	

TECHNICAL DATA



FEATURES & APPLICATIONS

Features

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- Modular support systems for 3D structures
- Wall-mounted installation

SBBS 41/2.0/3000H



AVAILABLE FINISH

HOT-DIP GALVANIZED - H	PRE-GALVANIZED - PG	STAINLESS STEEL TYPE 304 - S4	FRP - FR	DACROMET - D
ELECTROPLATED ZINC - Z	POWDERCOAT - PC	STAINLESS STEEL TYPE 316 - S6	ALUMINIUM - AL	

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