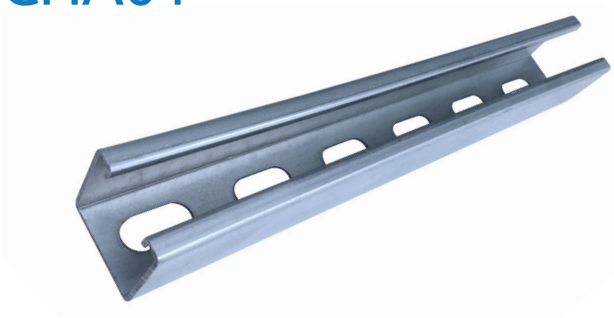
Steel Channel
CHA01



Product Description

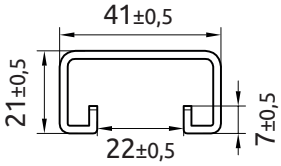
- Slotted or Unslotted Channels - mild steel pre-galvanised cold formed section to EN10130
- Used as core component with associated brackets to create a support system for multiple services.

Material Specifications

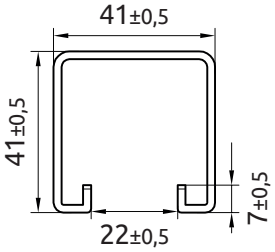
Description	Materials
Body	Mild Steel
Finish	Pre-Galv
Strip Thickness	1.5 or 2.5mm
Length	3m or 6m
Zinc Thickness: 2.5mm	Z275
Zinc Thickness: 1.5mm	Z100

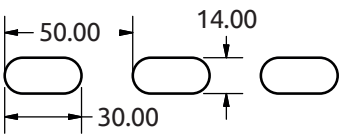
Product Codes and Dimensions

Shallow Channel – 41mm x 21mm			
Stock No.	**Description**	**Gauge**	**Length**
12003	Slotted	1.5mm	3m
12001	Plain	1.5mm	3m
12016	Slotted	2.5mm	3m
12012	Slotted	1.5mm	6m



Deep Channel – 41mm x 41mm			
Stock No.	**Description**	**Gauge**	**Length**
12006	Slotted	2.5mm	3m
12004	Plain	2.5mm	3m
12005	Slotted Back-to-Back	2.5mm	3m
12008	Plain Back-to-Back	2.5mm	3m
12018	Slotted	1.5mm	3m
12014	Slotted	2.5mm	6m
12013	Plain	2.5mm	6m
12007	Slotted Back-to-Back	2.5mm	6m
12009	Plain Back-to-Back	2.5mm	6m





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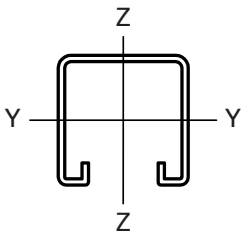
STRUT Channel - technical data

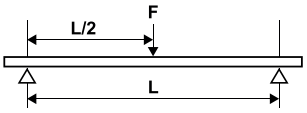
Static calculation chart

Type	Weight	Moment of inertia cm⁴		Section modulus cm³	
	(kg/m)	ly	lz	Wy	Wz
41 x 21-1.5	1.15	0.78	3.70	0.72	1.80
41 x 41-1.5	1.65	4.46	6.20	2.12	3.00
41 x 21-2.5	1.78	1.01	5.40	0.93	2.61
41 x 41-2.5	2.61	6.26	9.30	2.97	4.50



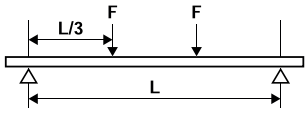
Maximum allowable load of the construction channel

Load at 1 point



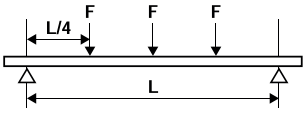
L (mm)	41 x 21		41 x 41	
	1.5 mm	2.5 mm	1.5 mm	2.5 mm
3,000	40	51	226	317
6,000	–	13	56	79

Equal concentrated loads at 2 points



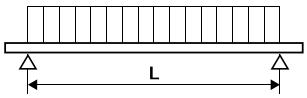
L (mm)	41 x 21		41 x 41	
	1.5 mm	2.5 mm	1.5 mm	2.5 mm
3,000	23	30	133	186
6,000	–	–	33	47

Equal concentrated loads at 3 points



L (mm)	41 x 21		41 x 41	
	1.5 mm	2.5 mm	1.5 mm	2.5 mm
3,000	17	22	95	133
6,000	–	–	24	33

Uniform load



L (mm)	41 x 21		41 x 41	
	1.5 mm	2.5 mm	1.5 mm	2.5 mm
3,000	63	82	362	507
6,000	16	20	90	127

Maximum force (N) at one point.
Values indicated in charts refer only to construction channel strength.
Maximal allowable load of remaining construction elements should be verified separately.

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