

UltraSTRUT™

An UltraSTEEL® product



**The new 2.5mm
industry standard**

LESS COST, LESS WEIGHT, LESS IMPACT ON THE ENVIRONMENT

same performance

UltraSTEEL®

BS 6946 : 1988

Environmental
Management System
ISO 14001



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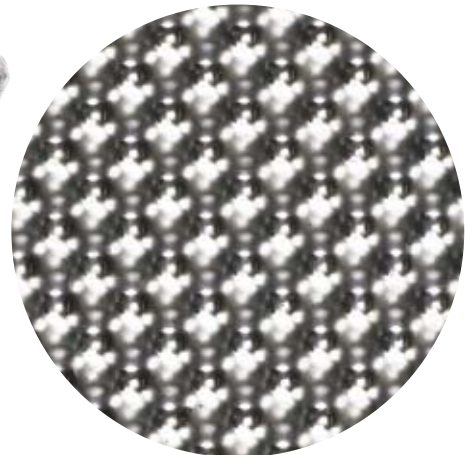
BRITISH STANDARD COMPLIANT STRUT PROFILE – LOWER PRICE

Using the **UltraSTEEL®** state-of-the-art metal forming technology we have driven down the cost of 2.5mm standard compliant strut profiles. The patented **UltraSTEEL®** process improves the load bearing capacity of steel against a similar gauged metal, so we can provide cost savings without compromising performance.

The **UltraSTEEL®** process improves strength.



MANUFACTURING
EXCELLENCE
AWARDS



Winner of



UltraSTRUT™

Winning Projects for
Modular Framing.



A DIRECT REPLACEMENT IN EVERY WAY

It may look different, because of the **UltraSTEEL®** process, but **UltraSTRUT™** is a direct replacement for all BS compliant 41x41 and 41x21 strut channel sections in 2.5mm and fits all existing ancillary components. We provide plain, slotted and B-to-B configurations in pre-galvanised, post-galvanised, hot-rolled and stainless steel material, so there's a strut for all your applications. All this means, that when selecting **UltraSTRUT™** you get to benefit from the cost savings without having to worry about performance.

- BS 6946 : 1988 compliant
- Fits all existing ancillary components
- All standard materials and finishes available

ENHANCE YOUR GREEN CREDENTIALS

UltraSTRUT™ uses less steel for any given length, so not only does this provide you with cost savings - it means less material is used. It also means lower transport related pollution and cost, with more lengths being carried on each load.



Lighter modulsation
Reduce weight in buildings
with no loss of integrity

THE DIFFERENCE IS... YOU GET MORE FOR YOUR MONEY



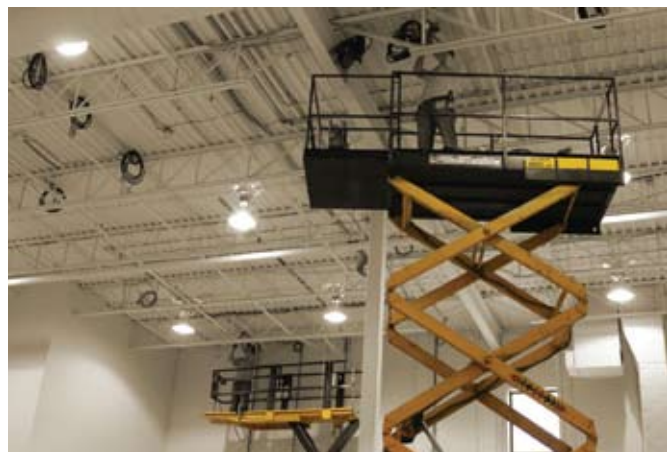
STRUT



UltraSTRUT™

EASIER TO WORK WITH

Being lighter, **UltraSTRUT™** is easier to handle, lift and transport, so it helps reduce installation cost.



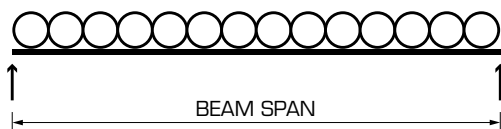
UltraSTRUT™ is ideal
for light and strong solar
panel frame construction.

We've a wealth of experience
and are here to help!

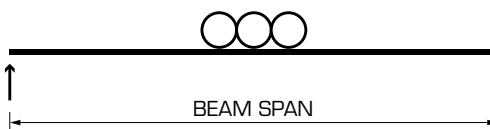
 **HADLEY**
GROUP

LOAD TABLES

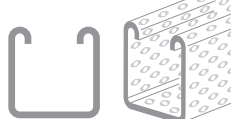
UNIFORMLY DISTRIBUTED LOAD



CENTRALLY CONCENTRATED LOAD



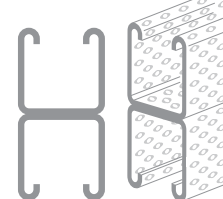
41 x 41mm



41 x 41 UNIFORMLY DISTRIBUTED LOAD

SPAN MM	SAFE LOAD					
	41 x 41 PLAIN		41 x 41 SLOTTED		41 x 41 BACK 2 BACK	
	KG	KN	KG	KN	KG	KN
500	941.6	9.234	876.6	8.597	2518.62	24.699
1000	470.8	4.617	438.3	4.298	1259.31	12.350
1500	313.9	3.078	292.2	2.866	839.54	8.233
2000	235.4	2.308	219.2	2.149	629.65	6.175
2500	188.3	1.847	175.3	1.719	503.72	4.940
3000	156.9	1.539	146.1	1.433	419.77	4.117

41 x 41mm BACK 2 BACK



41 x 21mm



41 x 21 UNIFORMLY DISTRIBUTED LOAD

SPAN MM	SAFE LOAD					
	41 x 21 PLAIN		41 x 21 SLOTTED		41 x 21 BACK 2 BACK	
	KG	KN	KG	KN	KG	KN
500	346.8	3.401	323.0	3.168	869.3	8.525
1000	173.4	1.700	161.5	1.584	434.7	4.263
1500	115.6	1.134	107.7	1.056	289.8	2.842
2000	86.7	0.850	80.8	0.792	217.3	2.131
2500	69.4	0.680	64.6	0.634	173.9	1.705
3000	57.8	0.567	53.8	0.528	144.9	1.421

41 x 21mm BACK 2 BACK



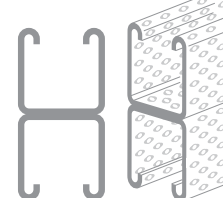
41 x 41mm



41 x 41 CENTRALLY CONCENTRATED LOAD

SPAN MM	SAFE LOAD					
	41 x 41 PLAIN		41 x 41 SLOTTED		41 x 41 BACK 2 BACK	
	KG	KN	KG	KN	KG	KN
500	470.8	4.617	438.3	4.298	1259.31	12.350
1000	235.4	2.308	219.2	2.149	629.65	6.175
1500	156.9	1.539	146.1	1.433	419.77	4.117
2000	117.7	1.154	109.6	1.075	314.83	3.087
2500	94.2	0.923	87.7	0.860	251.86	2.470
3000	78.5	0.769	73.1	0.716	209.88	2.058

41 x 41mm BACK 2 BACK



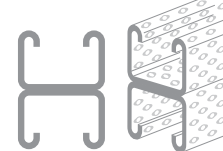
41 x 21mm



41 x 21 CENTRALLY CONCENTRATED LOAD

SPAN MM	SAFE LOAD					
	41 x 21 PLAIN		41 x 21 SLOTTED		41 x 21 BACK 2 BACK	
	KG	KN	KG	KN	KG	KN
500	173.4	1.700	161.5	1.584	434.7	4.263
1000	86.7	0.850	80.8	0.792	217.3	2.131
1500	57.8	0.567	53.8	0.528	144.9	1.421
2000	43.3	0.425	40.4	0.396	108.7	1.066
2500	34.7	0.340	32.3	0.317	86.9	0.853
3000	28.9	0.283	26.9	0.264	72.4	0.710

41 x 21mm BACK 2 BACK



As ratified by the University of Wolverhampton

SAFE LOADS CALCULATED IN ACCORDANCE WITH BS5950: PART 5: 1987

- CODE OF PRACTICE FOR DESIGN OF COLD FORMED SECTIONS