



**Product Code:**

TS41P-3B2B

**Issue Date:**

08/08/2023

**Issue by:**

SY

**Description:**

41mm x 82mm Plain Channel (3m Length)

**Features:**

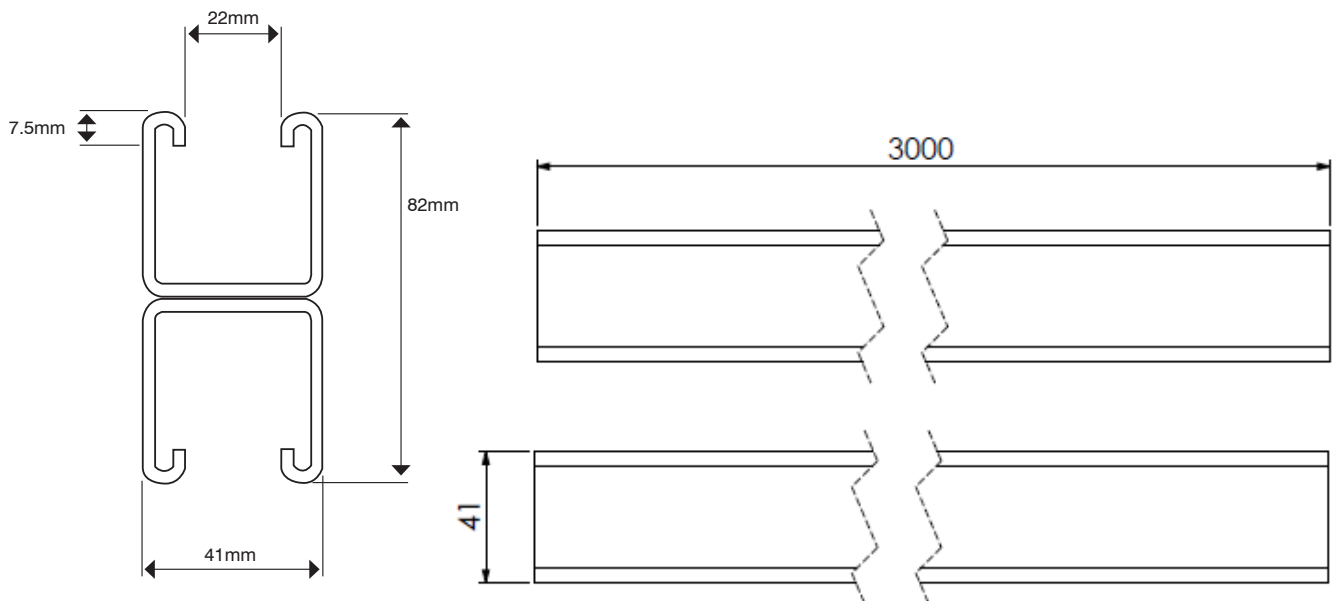
- Rigid construction for a wide variety of applications.
- Manufactured from structural grade continuously hot dipped zinc coated low Carbon Steel Strip to BSEN10346: 2009.
- Channel available in both structural grade 2.5mm and light duty 1.5mm gauge.
- Supplied in 3 metre lengths.
- Wide range of external brackets available for use with strut frame work.
- Tamlex strut framework can be ordered pre-cut to any length to suit customer requirements.
- Can be powder coated to customer specific RAL colour.



**Technical:**

<b>Width</b>	41 mm
<b>Height</b>	82 mm
<b>Length</b>	3 m
<b>Gauge</b>	2.5 mm
<b>Material</b>	Hot Dipped Zinc Coated Low carbon steel strip
<b>Colour/Finish</b>	Pre Galvanised Steel (Zinc Coated)
<b>Standards</b>	BS EN 10346; BS 6946 - 1988

**Dimensions:**





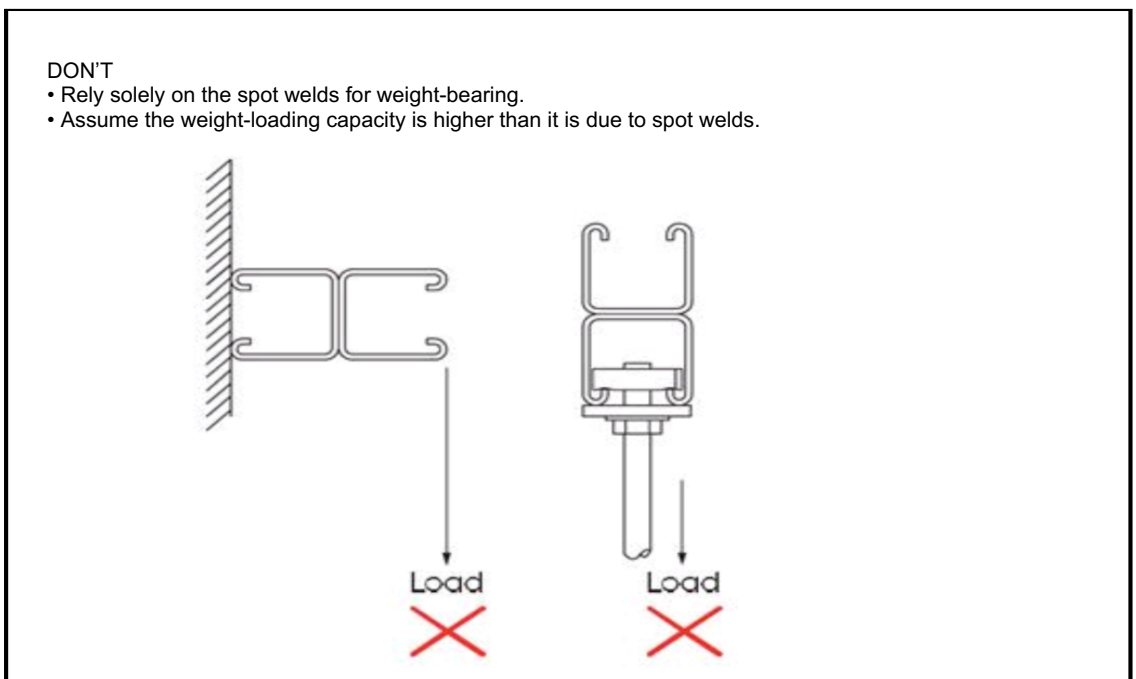
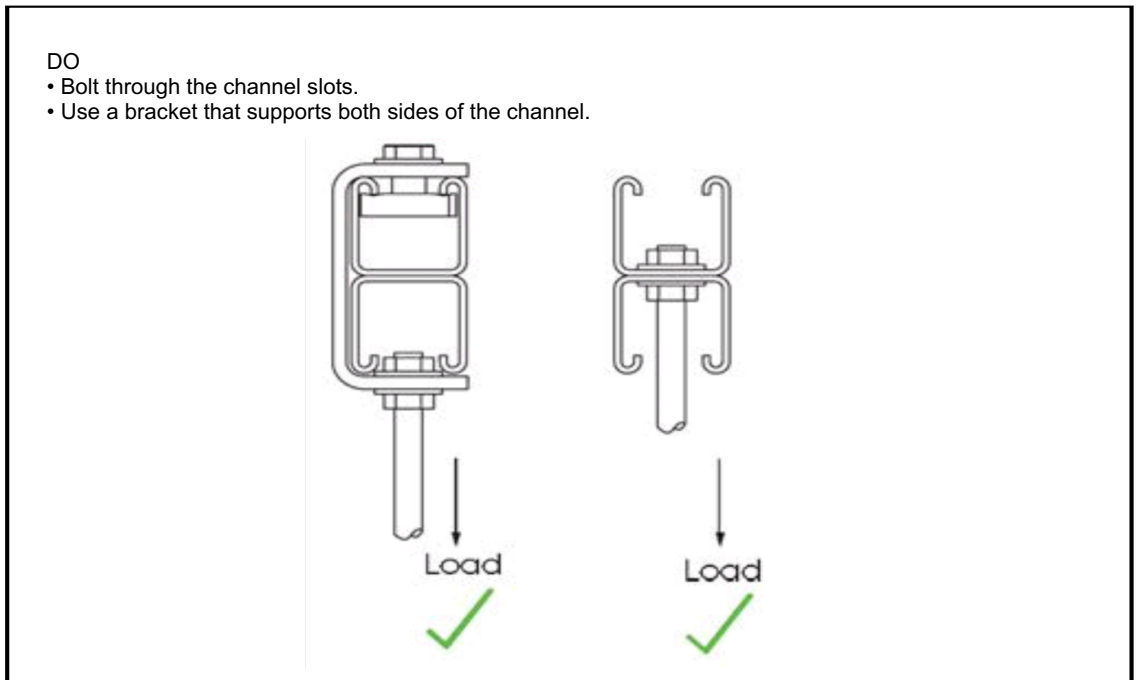
## THE IMPORTANT DOES AND DON'TS

When it comes to the back-to-back channel, it is essential to understand that the weight of any suspended installation relies entirely on the strength of the spot welds. This is because the back-to-back channel is spot-welded during its manufacturing process.

Therefore, it is crucial to use the back-to-back channel correctly to ensure the weight-loading capacity of the installation.

This can be achieved either by bolting right through the channel slots or by using a bracket that provides support from both sides of the channel.

By following these guidelines, you can ensure the stability and safety of the installation.





# Tamlex Data Sheet

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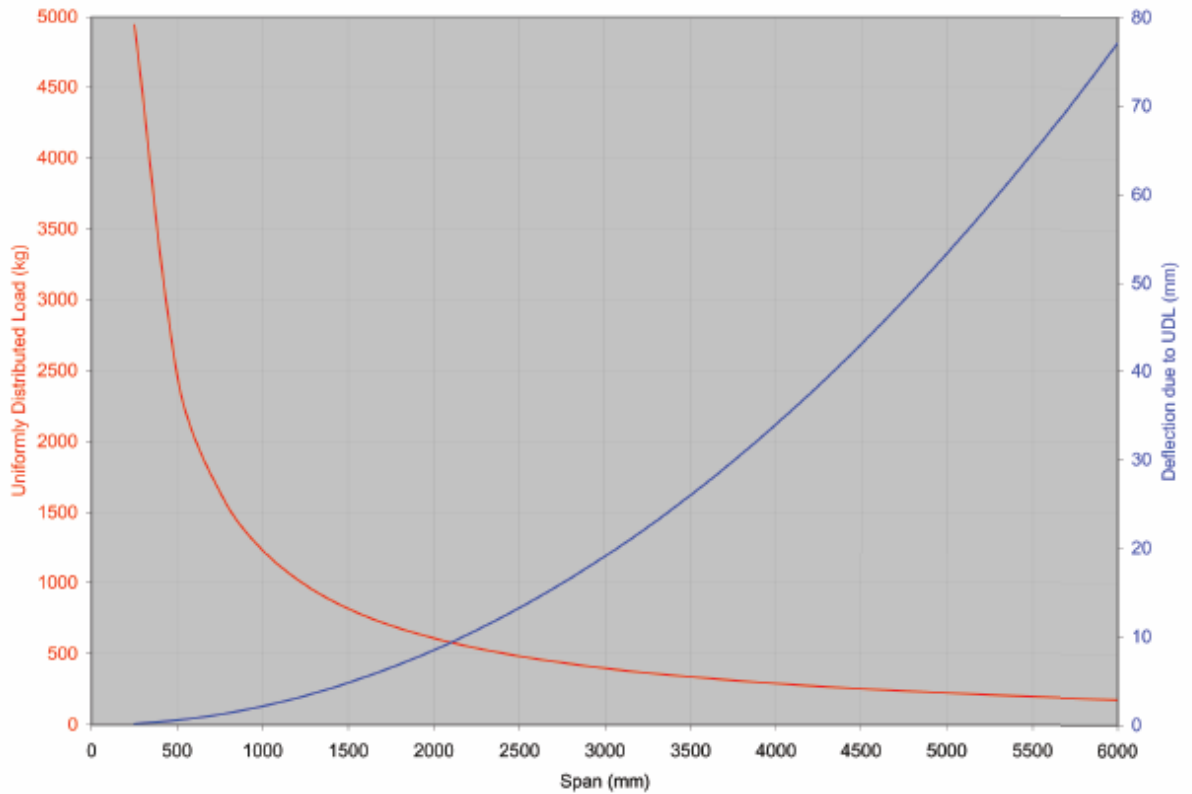
29/11/21

**Issue by:**

R.M.

**Back to Back 41x41x2.5 thk. (Mass 5.21kg/m)**

Beam Span (mm)	Ultimate Loading		Limit Def. Span/200		Limit Def. Span/360	
	Total Applied Load (kg)	Total Def. (mm)	Applied UDL (kg)	Total Def. (mm)	Applied UDL (kg)	Total Def. (mm)
250	4943.1	0.1				
500	2469.8	0.5				
750	1644.7	1.2				
1000	1231.5	2.1				
1250	983.1	3.3				
1500	817.2	4.7			718.2	4.2
1750	698.3	6.4			524.3	4.9
2000	608.9	8.4			398.0	5.6
2250	539.1	10.7			311.0	6.3
2500	483.0	13.2	457.4	12.5	248.4	6.9
2750	436.9	16.0	374.5	13.8	201.7	7.6
3000	398.3	19.0	311.1	15.0	165.9	8.3
3250	365.5	22.3	261.5	16.3	137.7	9.0
3500	337.2	25.9	221.8	17.5	115.1	9.7
3750	312.5	29.8	189.6	18.8	96.6	10.4
4000	290.8	33.9	162.9	20.0	81.3	11.1
4250	271.5	38.3	140.7	21.3	68.3	11.8
4500	254.2	43.0	121.8	22.5	57.2	12.5
4750	238.6	48.0	105.6	23.8	47.7	13.2
5000	224.4	53.2	91.6	25.0	39.3	13.9
5250	211.5	58.8	79.3	26.3	31.9	14.6
5500	199.7	64.6	68.6	27.5	25.4	15.3
5750	188.8	70.7	59.0	28.8	19.5	16.0
6000	178.7	77.1	50.4	30.0	14.1	16.7



**Load, Span & Deflection Graph**