

TECHNICAL BULLETIN # 61

The endless possibilities of Rondo's new U Clip™

Allowing Contractors to take full advantage of its many uses, Rondo's U Clip™ adds a new dimension to the role of Rondo's Top Cross Rail (TCR), within the popular KEY-LOCK® Concealed Suspended Ceiling System.

The installation of the Rondo U Clip™ allows the carrying capacity of 127 & 128 Top Cross Rails to provide support for a variety of applications when used in conjunction with threaded M6 suspension rod and various clips from the Rondo product range.

The Rondo U Clip™ is simply snapped into the underside of the TCR and then the threaded suspension rod is screwed into the clip – using either Rondo's 122 (Threaded One End) or 123 (Threaded Both End) Rods. Rondo's 121 Rod that is not threaded on either end, is accommodated by pairing to 122 Rod with Rondo's 254 Joiner (also known as the 'Banana Clip').

Design tables for Rondo's U Clip are supplied on the reverse of this page, which enable a range of applications including but not limited to:

- Suspension of signage
- Suspension of additional KEY-LOCK® framing to allow the lining board to form feature soffites at varying levels beneath either a blacked out void or an existing ceiling
- Lighting, both single light boxes and continuous lighting
- Services not requiring stabilising
- Fixing furring channel at varying angles beneath the TCR (when coupled with Rondo's 239 clip)
- Support for bridging beneath ducting, beams etc
- Suspending another ceiling beneath an existing KEY-LOCK® ceiling, such as Rondo's DUO® Exposed Grid Ceiling System

The Rondo U Clip™ (referenced as part number 119) is supplied in sub pack bags of 100 pieces within larger 500 piece bags.

For more information, visit www.rondo.com.au or contact your local Rondo Office on 1300 36 7663.

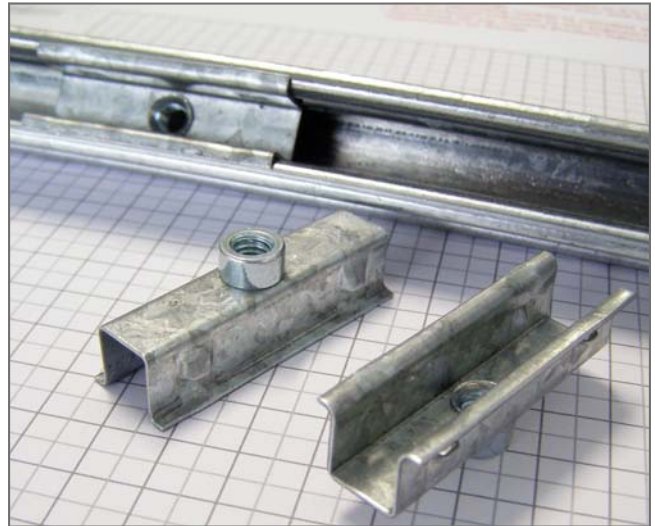


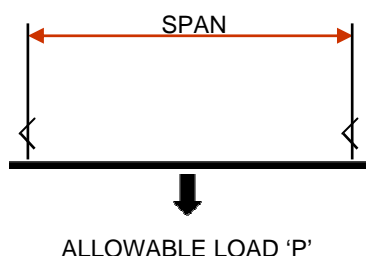
Figure 1: Rondo Part Number 119 U Clip™



Figure 2: U Clip™ attached to 121 Rod with 254 Joiner for suspension of Top Cross Rail to form bridging beneath services ducting.

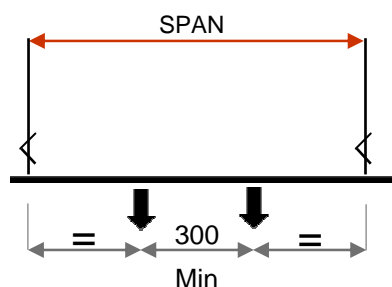
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Rondo U Clip™ Design Tables



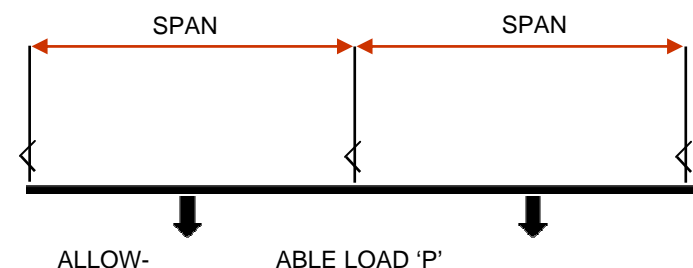
Span	Allowable Point Load (kg)			
	127 TCR Spacing		128 TCR Spacing	
	900	1200	900	1200
900	16	16	47	47
1200	8	7	25	24
1500	3	-	14	13
1800	-	-	8	7

Table 1 - Single Span with Single Point Load



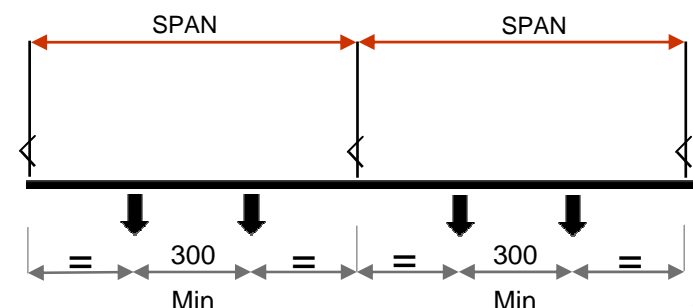
Span	Allowable Point Load - Each (kg)			
	127 TCR Spacing		128 TCR Spacing	
	900	1200	900	1200
900	10	9	28	27
1200	4	4	14	13
1500	2	-	7	7
1800	-	-	4	4

Table 2 - Single Span with Two Equally Spaced Point Loads



Span	Allowable Point Load (kg)			
	127 TCR Spacing		128 TCR Spacing	
	900	1200	900	1200
900	32	32	50	50
1200	21	21	38	37
1500	12	11	24	23
1800	-	-	14	13

Table 3 - Double Span with Equal Point Loads in Both Spans



Span	Allowable Point Load - Each (kg)			
	127 TCR Spacing		128 TCR Spacing	
	900	1200	900	1200
900	18	18	29	29
1200	12	11	20	19
1500	6	6	13	12
1800	-	-	7	7

Table 4 - Double Span with Two Equally Spaced Point Loads in

ALLOWABLE INDIVIDUAL POINT LOAD 'P'

Notes to Tables:

1. Allowable point load is specified in kg. Point loading considered as dead load only.
2. Deflection limited to $L / 360$ under service load, for other limits adjust load accordingly.
3. The above tables assume construction in accordance with the Rondo Keylock Manual.
4. The above tables are only valid for the Rondo 119 Clip installation.