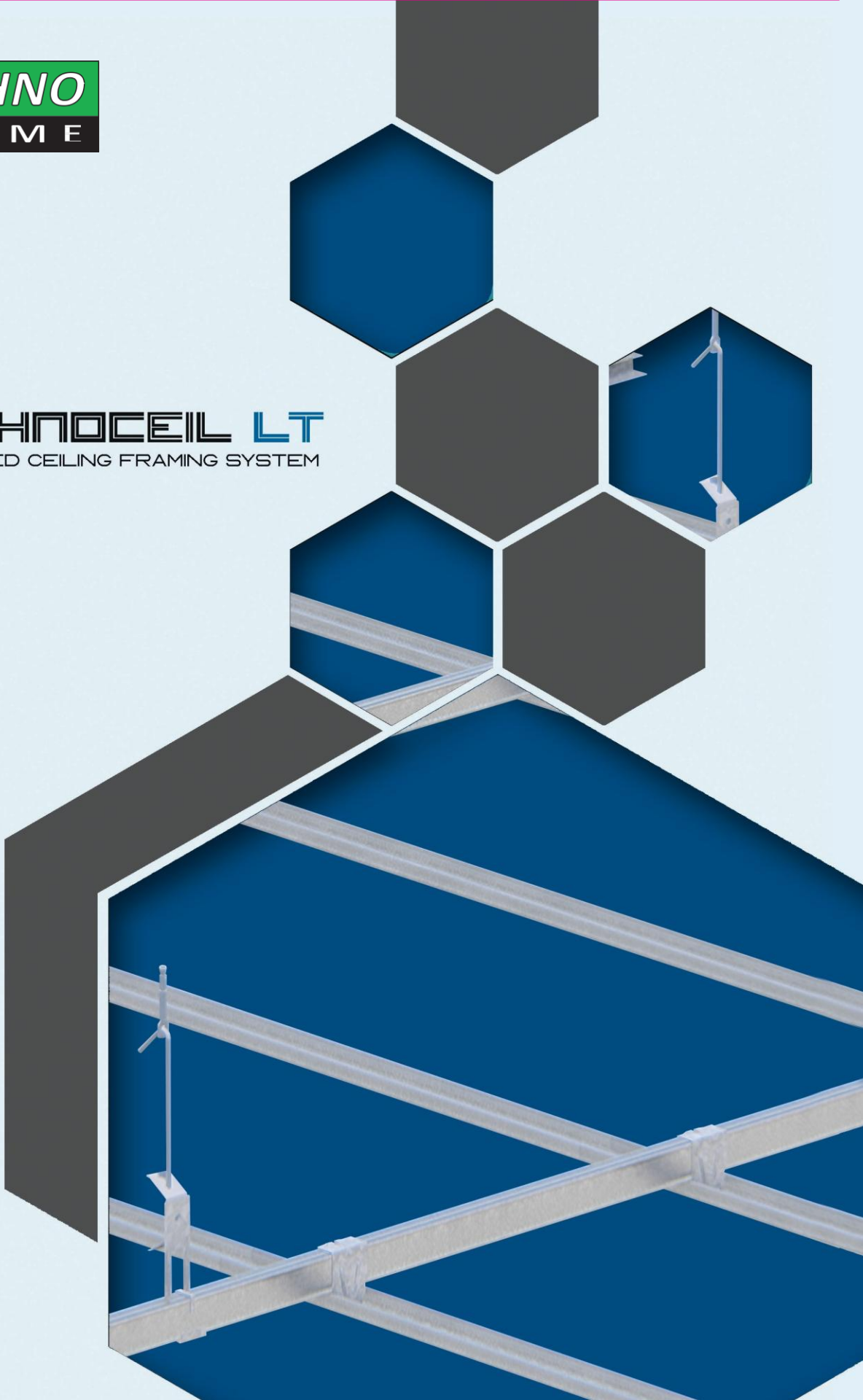


TECHNO
FRAME

TECHNOCEIL LT
CONCEALED CEILING FRAMING SYSTEM



introduction

The Technoceil LT concealed suspension ceiling is designed to support light to medium weight ceiling lining. The framing system comprised a few specially designed components which can be easily assembled.

This framing system make use of one common profile for both primary and secondary members. Hence, making it simpler for the installers and also reduces the number of main components. Basically, the ceiling system is designed for easy installation and adjustment.

Clips are used to connect the primary and secondary members together, and a smart adjustable suspension clip connecting the primary member to the suspension allow easy adjustment for ceiling drop through a spring clip. The clips allowed easy 3-way adjustment as in up-down, laterally and longitudinal.

This system also offers options for suspension in the form of 4 mm diameter soft galvanised wire rod attached to a spring clip or zinc plated M6 threaded rod, providing the designers the freedom to choose.



Product Specifications

material

The profiles used on the Technoceil LT Concealed Ceiling system are formed with high quality zinc-aluminium coated steel manufactured by BlueScope Steel.

storage and handling

Technoceil LT Concealed Ceiling profiles come in convenient stock-pack and sub-pack quantities for ease of handling and storage. Products should be kept away from the ground, in a dry, protected area. Accessories are supplied in bags or bundled in fixed quantity.

product identification

All Technoceil LT Concealed Ceiling profiles have their part number, length and thickness printed on the product for easy identification which also helped to identify the authenticity of the products flexibility. Utilising clips instead of screw fastening will minimize errors and no more worries if the correct screws have been used or if the screws are property fastened.














The system comes with a range of accessories such as joiners, wall tracks and various types of suspension brackets to suit general construction requirements.

All components are designed and tested for performance to meet loading requirements and always deliver quality results.

material specifications

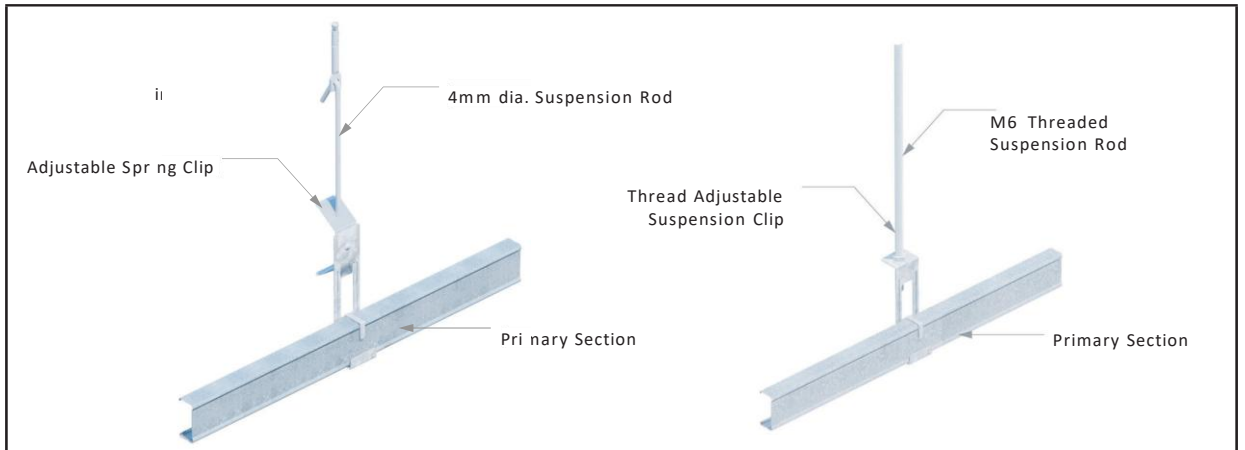
Steel Grade : G550 AZ100 to AS1397
Yield Strength : f_y - 300 MPa
Tensile Strength : f_t - 330 MPa
Coating Mass : AZ100
(100g/m² zinc aluminium alloy)

framing components

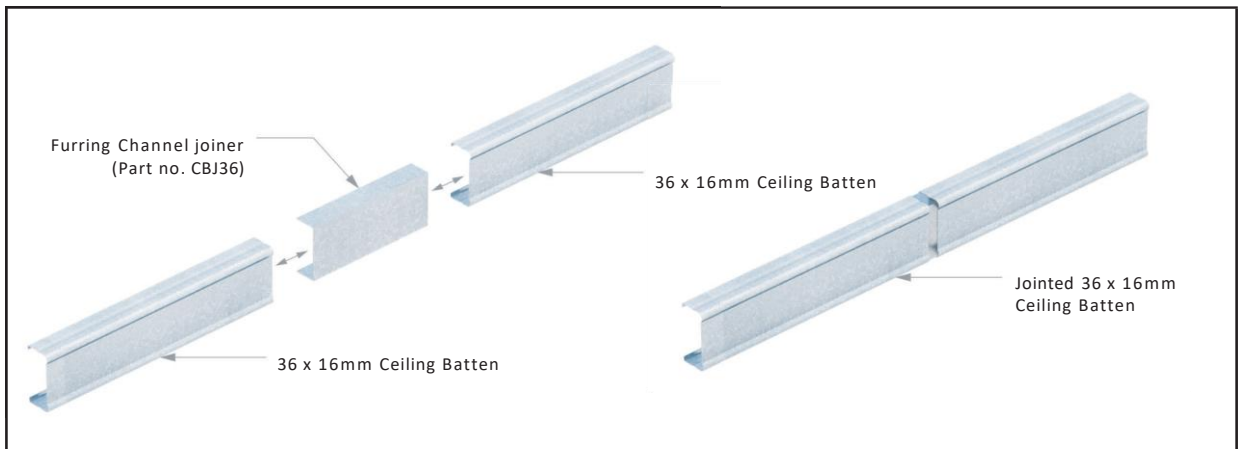
DESCRIPTION	PART NO.				
Primary/Section	CB3616				
Wall Track	WT16	CB3616	WT16	CBJ36	CBXJ
Adjustable Spring Clip	SAC36				
Thread Adjustable Clip	TAC36	SAC36	TAC36	ROD4	TRODM6
Ceiling Batten Joiner	CBJ36				
Cross Joiner	CBXJ	SB6020-L	SB80-F	TEAM6	THKD625
4mm dia. Suspension Rod	ROD4				TNM6
M6 Threaded Rod	TRODM6				
M6 Nut M6	TNM6				
Anchor	THKD625				
Suspension Rod Bracket	SB6020-L				
Suspension Rod Bracket	SB80-F				
M6 Eye Anchor	TEAM6				

installation details

suspension system options

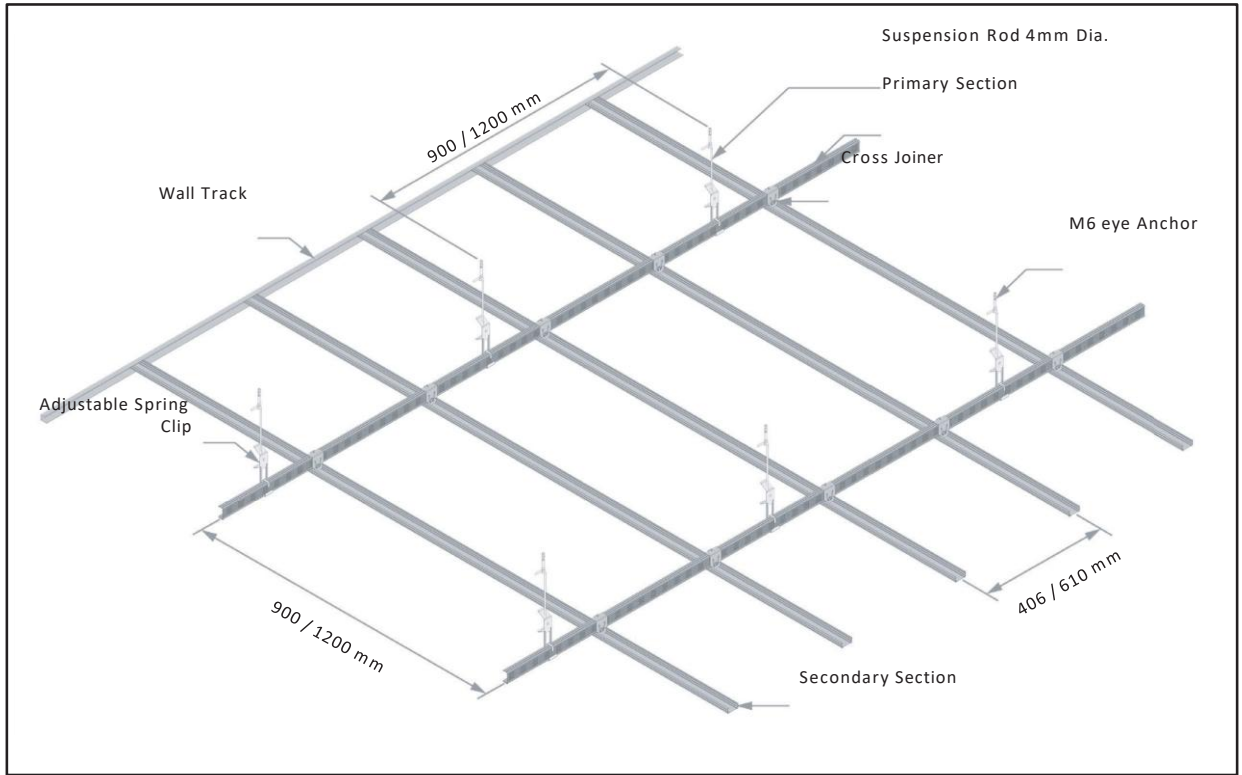


JOINING OF PRIMARY/SECONDARY SECTIONS

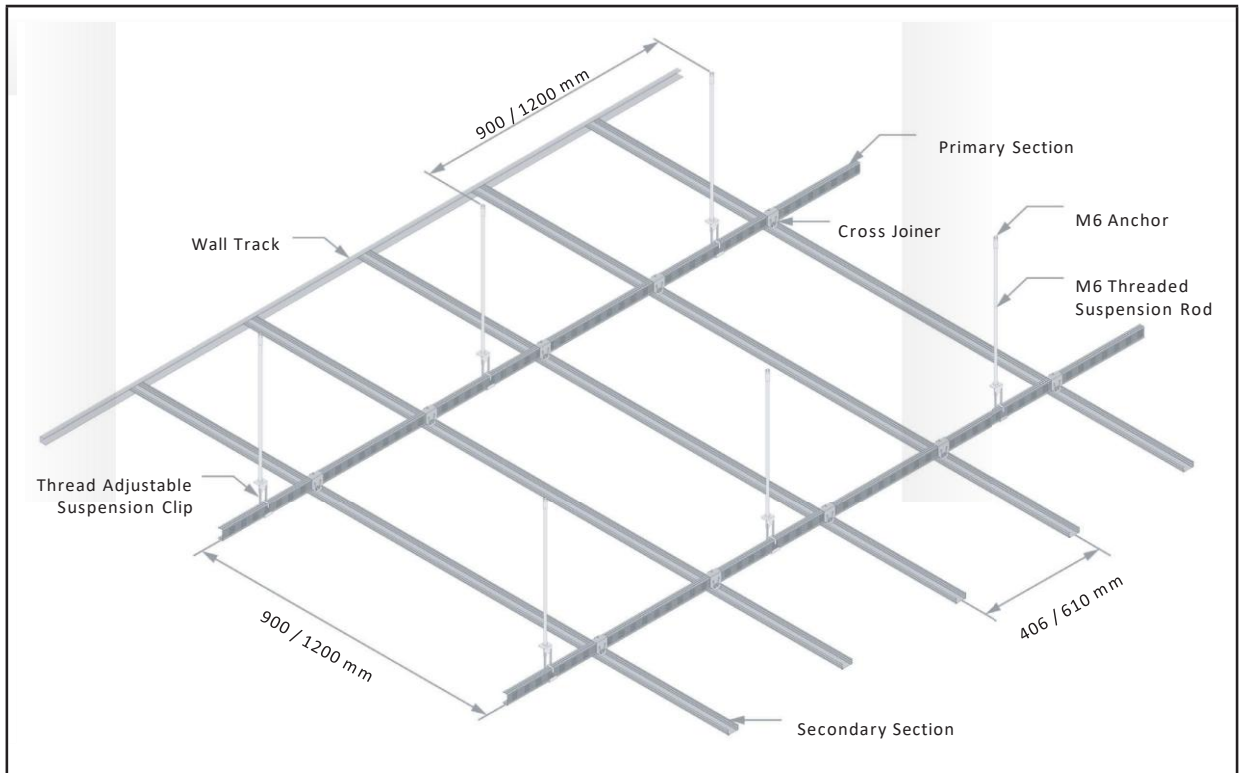


CEILING CONFIGURATIONS

Technoceil LT with spring suspension system

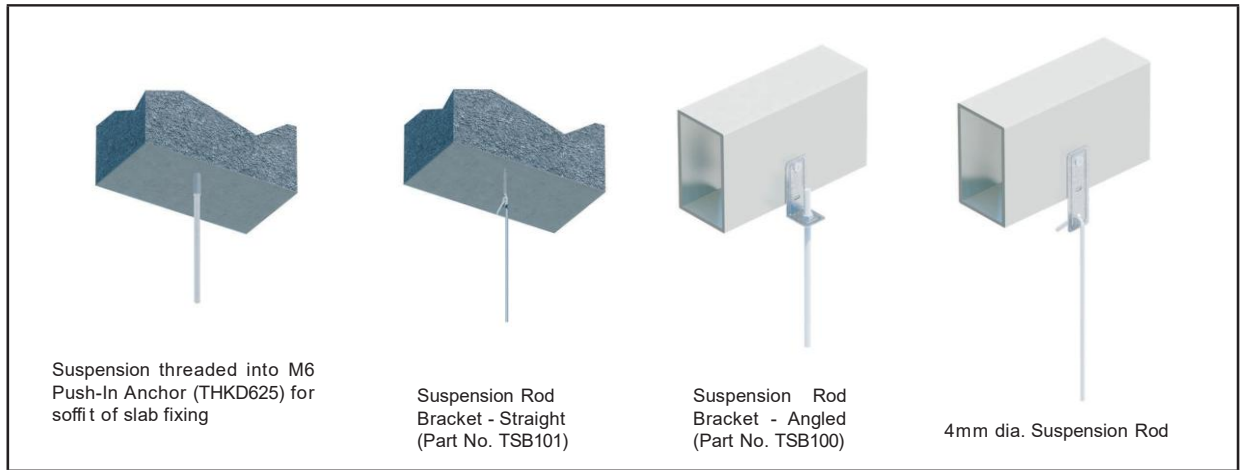


Technoceil LT with threaded rod suspension system



product data specifications

suspension details



SECTIONAL PROPERTIES

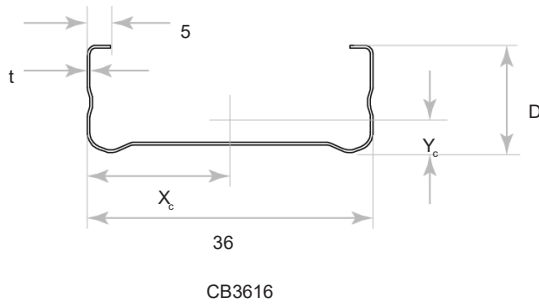


TABLE of properties

Part No.	Description	Area mm ²	D mm	t mm	X _c mm	Y _c mm	Moment of Inertia		Section Modulus	
							I _{xx} mm ⁴	I _{yy} mm ⁴	Z _{xx} mm ³	Z _{yy} mm ³
CB3616	36 x 16mm ceiling batten	31.5	16	0.42	0	5.23	1204	6603	114	366

LOAD TABLE

table - maximum ceiling load kg/m²

Suspension Spacing, mm	1200	
Primary Member Spacing, mm	Spacing of Secondary Member, mm	
	400	600
900	34.4	25.1
1200	14.5	8.8

Note :

- Deflection Limit is span/ 360 to a maximum of 12 mm
- These ceilings are not for external application and internal wind pressure is not considered in the design
- Connection shall be checked independently
- Ultimate Limit State : 1.4G + 1.7U
- Serviceability Limit State : G + U
- Design in accordance to AS 2785



TECHNO
FRAME

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