Gridline 24 Max

Exposed 24mm grid system for Data Centre ceiling solutions.

// zentia

Key Features

// Gridline 24 Max suspension system for data centre applications is a pre-engineered ceiling suspension system designed for improved air flow management, load capacity and adaptability in data centres of all sizes

// 30 year system guarantee

Physical Data

// Material: galvanised steel

// Surface finish: baked polyester paint

// Colour: all product standard in Global White

Gridline 24 Max – Double Peakform Main Runner with Superlock Clip (Bulb-to-Bulb connection)
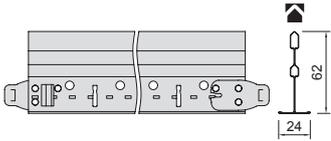
Item No.	Dimensions (mm)			Content pcs	Carton Im	Weight / Carton kg	Carton / Pallet
	Length	Height	Slot Centres				
484094 A	3600	62	300	10	36.00	23.60	36

Gridline 24 Max – Joggled Cross Tees (Stab System, override)
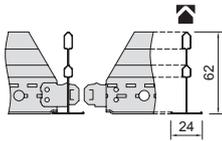
Cross Tees Slotted							
BP483094A	1200	62	300	30	36.00	23.60	35
Cross Tees Unslotted							
482094 A	600	62	-	30	18.00	11.80	70

Perimeter Solutions
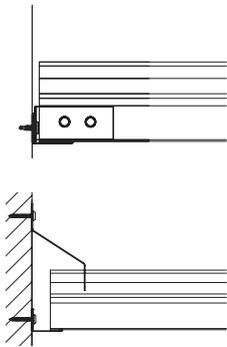
Item No.	Description	Dimensions (mm)		Content / Carton pcs	Weight / Carton kg	Carton / Pallet
		Length	Height			
SWA 9878 HRC	Structural Wall Angle	3660	22	12	17.00	24
LSB30M	Lateral Suspension Bar	3000	91	10	23.00	24

Sustainability

25   A+   EN 13964 E1

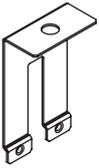## Fire Reaction

Euroclass A1
EN 13501-1

Performances & Features
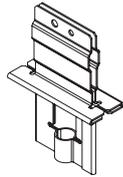
30 Year System Guarantee

Accessories

Gridline Max Hanging Clip
Used to carry the ceiling system with M10 threaded rod from structure.

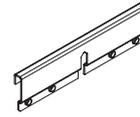*Machine screws, heavy hex nut and locknut included

PMHCM10 – 150 pcs

Gridline 24 Max Load Connector
Used to support bus bars, cable trays and other components with M10 threaded rod from the suspension system face.

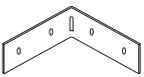*Heavy hex nut and locknut included

PMLCM10 – 100 pcs

Intersection Joint Clip
Used at all Cross Tee-to-Cross Tee or Main Runner-to-Cross Tee connections.
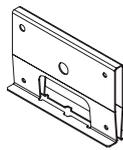
*Machine screws included

IJCA – 250 pcs

Cross Tee Adapter Clip
Securely attaches Cross Tees or Main Runners to the Structural Wall Angle around the perimeter of the ceiling installation.
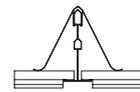
XTACAG – 100 pcs

Top Lock Main Runner Splice Clip
Locks two Main Runners togther for a secure connection.

10 pcs (included with item 48 40 94 Main Runner)
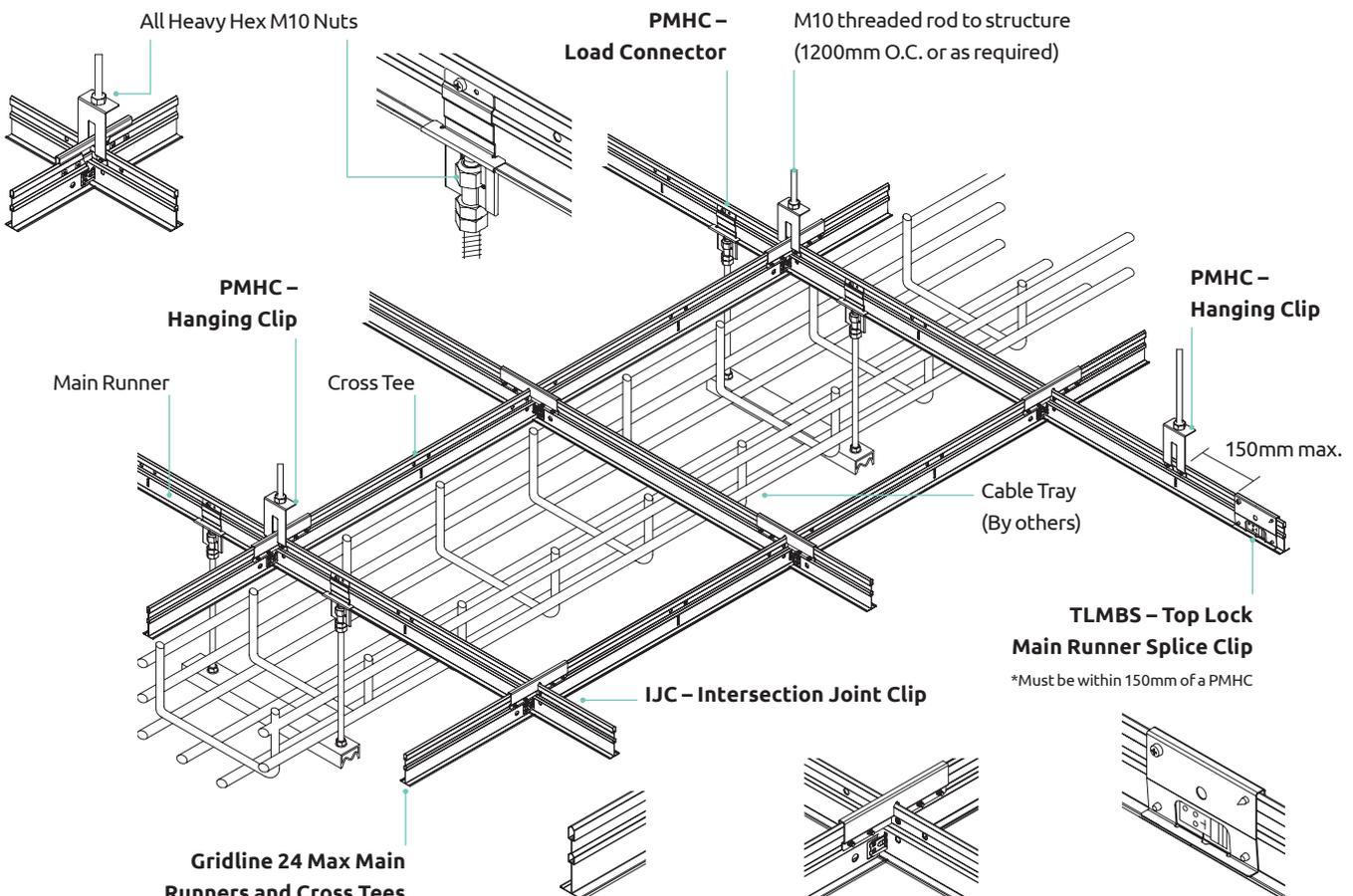
TLMBS – 10 pcs

Maximum Hold Down Clip
Attaches to the top bulb of the Gridline 24 Max suspension system to hold ceiling panels in place; helps to prevent ceiling panel movement.

PMHDC – 100 pcs

System Drawing

All Heavy Hex M10 Nuts

PMHC – Load Connector

M10 threaded rod to structure (1200mm O.C. or as required)

PMHC – Hanging Clip

Main Runner

Cross Tee

PMHC – Hanging Clip

150mm max.

Cable Tray (By others)

TLMBS – Top Lock Main Runner Splice Clip

*Must be within 150mm of a PMHC

IJC – Intersection Joint Clip

**Gridline 24 Max Main Runners and Cross Tees**

Recommended Ceiling Tiles

Prestige

Prestige not only offers a finely textured and durable surface with a brighter 'blue-white' colour for high light reflectance, it also offers a balance of both sound absorption and sound attenuation.

- // Good sound absorption: up to 0.70 (H) $α_w$
- // Very high light reflectance: 87%
- // Reinforced scratch resistant face

- // Better finish and more durable edges
- // ISO 4 / A+
- // 30 year system guarantee
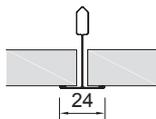
Edge Detail	Board
	 24
Thickness (mm)	19
Modules (mm)	600 x 600 .... 7661M 1200 x 600 .... 7663M
Colour	Global White and 34 colour options
Sustainability	41 A+ EN 13964 / E1

Acoustics — Results based on Global White tiles

	EN ISO 354 & EN ISO 11654	EN ISO 10848-2 & EN ISO 717-1	EN ISO 140-3 & EN ISO 717-1						Hz $α_P$			
	$α_w$	D_{nfw}	R_w	Class	NRC	125	250	500	1000	2000	4000
Board	0.70(H)	37 dB	20 dB	C	0.70	0.45	0.50	0.60	0.80	0.85	0.95

Fire Reaction

 A2-s1, d0
EN 13501-1

Performances & Features

 87%   ISO 4 (≥0,5µm) ISO 14644-1: 2015   CP(0.5)5 NFS 90-351   30 Year System Guarantee

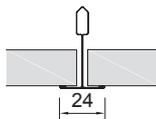 95% RH   5.0 Kg/m²   BIM READY

Recommended Ceiling Tiles

Clean Room FL

Clean Room FL features a special polyster film facing providing excellent ISO clean room performance making it an ideal solution for clean room and computer environments.

// ISO 5

// Does not attract dust

// Adapted to regular washing

Edge Detail	Board
	24

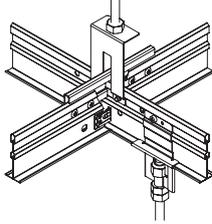| **Thickness (mm)**	15
Modules (mm)	600 x 600 . . . . 9527M 1200 x 600 . . . . 9529M
Colour	Global White
Sustainability	39 A+ EN 13964 / E1

Acoustics

EN ISO 354 & EN ISO 11654 | EN ISO 21040-9 & EN ISO 717-1

	α_w	D_{nfw}	Class	NRC	125	250	500	1000	2000	4000
								Hz α_P		
Board	**0.15**	**36 dB**	E	0.10	0.25	0.15	0.10	0.10	0.15	0.25

Fire Reaction

Euroclass A1
EN 13501-1

Performances & Features

78%   95% RH   ISO 5   ISO 14644-1   **30** Year System Guarantee

5.3 Kg/m²   BIM READY

Load Layouts

System Performance Criteria			
Hanging Method	Loading within 75mm if threaded rod support with building connections 1200 x 1200mm on centres	Loading within 75mm if threaded rod support with building connections 1200 x 600mm on centres	Loading within 75mm if threaded rod support with building connections 600 x 600mm on centres
Point Load	110 kg	110 kg	110 kg
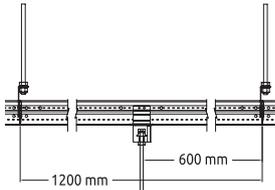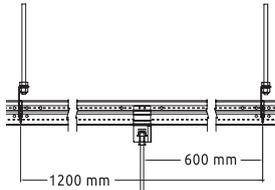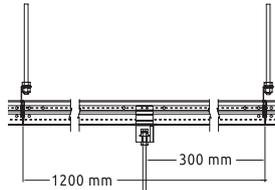
System Performance Criteria			
Hanging Method	Mid Span Loading with building connections 1200 x 1200mm on centres	Mid Span Loading with building connections 1200 x 600mm on centres	Mid Span Loading with building connections 600 x 600mm on centres
Point Load	25 kg	25 kg	50 kg

Values above consider the weight of ceiling tiles up to 5 kg/m². All numbers above are for use with a 600 x 600 mm ceiling tile installation. Values in the above table conform to Class 1 as defined in EN 13964:2014 in table 6.

For other classes / deflection limits, please contact our Technical Sales Team on **0800 371 849** or email **enquiries@zentia.com**

If you would like to order a sample or have any queries about this product please contact our Technical Sales Team on **0800 371 849** or email **enquiries@zentia.com**

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