

## CLEAN ROOM 24 XL<sup>2</sup>

Exposed 24 mm co-extruded grid system for clean rooms and non-magnetic areas

### Key features

- Aluminium construction: non-magnetic system with high corrosion resistance
- Co-extruded gasket: better seal between tile and grid

### System recommendation

- We recommend the usage of Hygena or Mediguard Tiles

### Application areas

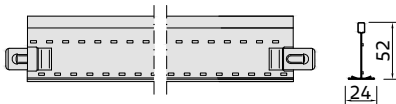
- Healthcare, Hi-tech manufacturing, MRI Rooms

### Physical data

- Material: aluminium with co-extruded flexible gasket
- Surface finish: aluminium capping with baked polyester paint
- Colour: all products standard in Global White

### CLEAN-ROOM-24

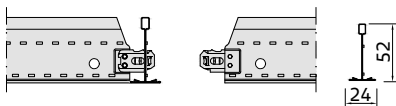
**Main Runners** (bulb-to-bulb connection)



Item reference	Dimensions (mm)			Slot centres	Content/carton		Weight/carton kg	Cartons/pallet
	Length	Width	Height		pcs	lm		
EA 43 40 44	3600	24	52	300	20	72	24	12

### CLEAN-ROOM-24

**XL<sup>2</sup> Cross Tees** (stab system - butt cut)



Item reference	Dimensions (mm)			Slot centres	Content/carton		Weight/carton kg	Cartons/pallet
	Length	Width	Height		pcs	lm		
<b>Cross Tees - Slotted</b>								
EA 43 30 44	1200	24	52	300	60	72	26	25
EA 43 20 44	600	24	52	300	60	36	12	50

### CLEAN-ROOM-24

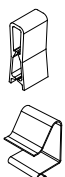
**Perimeter Trim**



Item reference	Dimensions (mm)			Slot centres	Content/carton		Weight/carton kg	Cartons/pallet
	Length	Width	Height		pcs	lm		
EA 42 12	3660	22	22	-	30	110	20	12

### CLEAN-ROOM-24

**Accessories**

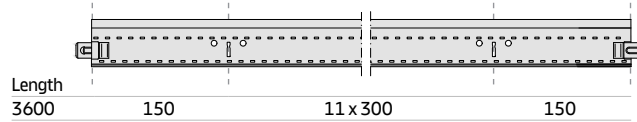


Item reference	Dimensions (mm)		Content/carton		Weight/carton kg	Notes
	Length	Width	pcs	lm		
CHDC	-	-	50	-	0.3	PVC Hold down clip for Clean Room grids
A426	-	-	100	-	0.4	Board Access Clip for Clean Room 24 T-bar

**Section Drawings**

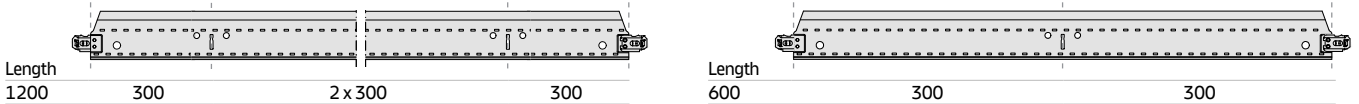
**CLEAN-ROOM-24**

**Main Runners** (bulb-to-bulb connection)

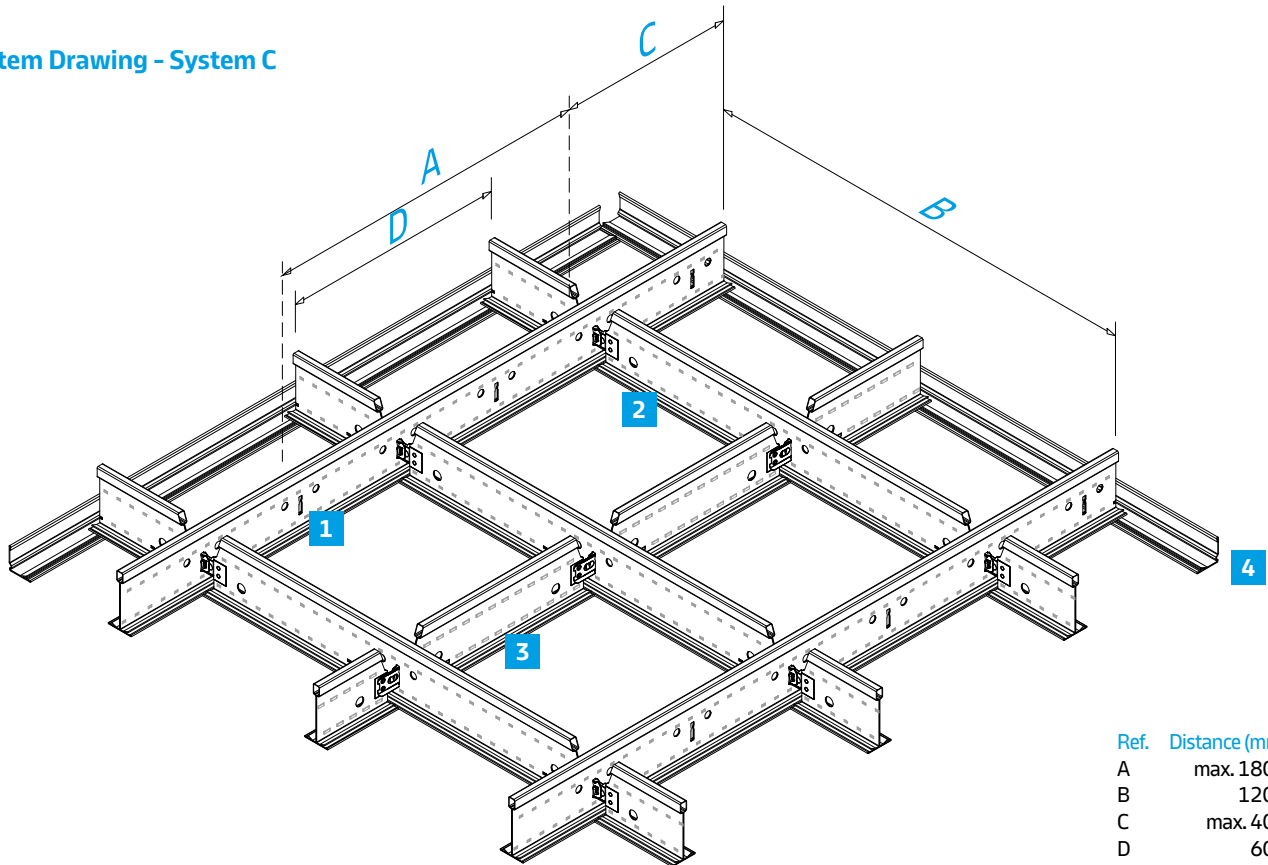


**CLEAN-ROOM-24**

**XL<sup>2</sup> Cross Tees** (stab system - joggled GK)



**System Drawing - System C**



Ref.	Distance (mm)
A	max. 1800
B	1200
C	max. 400
D	600

**Material required per m<sup>2</sup>** (no waste included)

No.	Description	Item reference	Module 600 x 600	Module 1200 x 600
1	Main Runner	EA 43 40 44	0.84 lm	0.84 lm
2	Long Cross Tee	EA 43 30 44	1.67 lm	1.67 lm
3	Short Cross Tee	EA 43 20 44	0.84 lm	-
4	Perimeter trim	EA 42 12	Dependent on room dimensions (approx. 0.6 lm/m <sup>2</sup> )	
	Hanger	-	0.70 pcs	0.70 pcs
	Retaining Clip	-	5.56 pcs	5.56 pcs
	Tiles	-	2.78 pcs	1.39 pcs

**Load Table**

**Maximum permissible weight (kg/m<sup>2</sup>)**

Main Runner distances	1200 mm	600 mm
Hanger distance A (mm)	Module 600x600, 1200x600	Module 600x600, 1200x600
800	15.1	25.0
1000	13.6	25.0
1200	10.0	21.1
1500	5.8	12.0
1800	3.0	6.5
<b>Note:</b> The load per m <sup>2</sup> must be evenly distributed (no extra point loads). After loading, the deflection will remain within the permitted deflection according to class 1 (L/500) of EN 13964, provided the grid is laid out as shown.		

For other grid layouts, load capacities or hanger distances, please contact Knauf Ceiling Solutions.

Characteristics	Detailed information
<b>Fire reaction</b>	Euroclass <b>A1</b> as per EN 13501-1
<b>Indoor air quality</b>	 A+
<b>Cleanability</b>	
<b>Sustainability</b>	 91%

All measurements in millimetres. All sizes are nominal.  
 Cross Tee alignment is achieved by locating the tees to the left-hand side of the adjoining section.

Products may vary from country to country. Please contact your local sales representative.  
 For further information and legal notice, please visit our website.