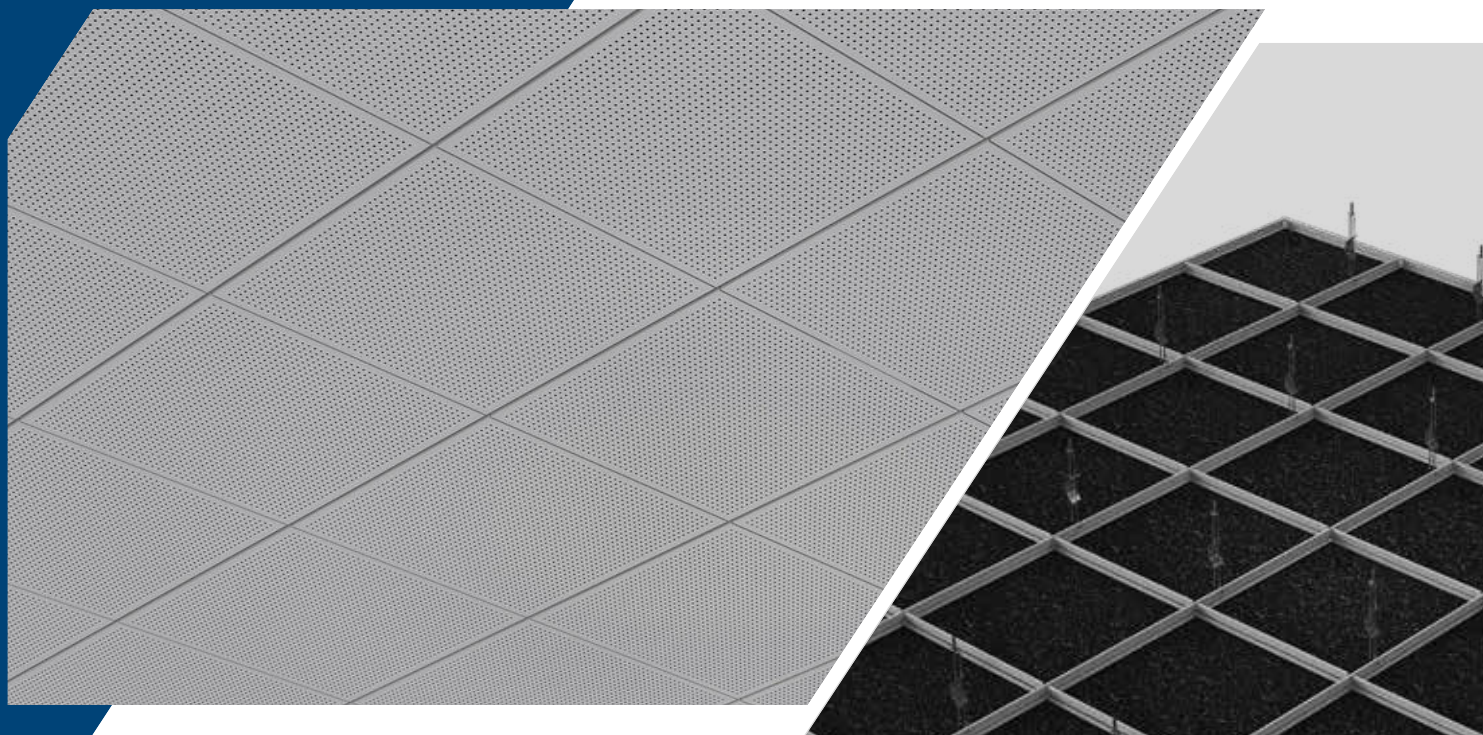


X-LOCK



HECHT & EFRAIM

CONNECTING DESIGN AND CONSTRUCTION SINCE 1952



High
sustainability



9001:2015
Quality
management
standard



discharges



Moisture
resistance

X LOCK metal stud ceiling system manufactured by Hecht & Efraim, Israel.

- Resistance to the requirements of T.I. 921
 - 10-year warranty.
 - Includes manufacturer's installation and maintenance instructions.
 - The tile is locked by springs and fixed in the hanging system so that it is resistant to falling, winds, and water pressure washing.
 - The tile is coated with hot zinc sheet and painted with epoxy polyester paint in a RAL color of your choice.
- Detachable tiles are made of 0.6 mm thick steel sheet.
 - Suitable for balconies, kindergartens, halls, schools, open spaces and kitchens.
 - The ceiling tiles can be dismantled downwards and are suitable for places where the distance between the false ceiling and the background ceiling is minimal.

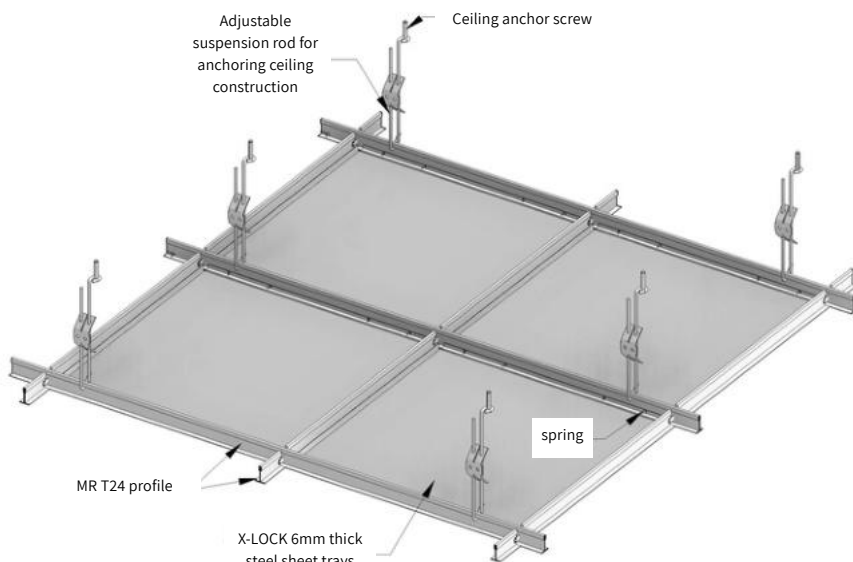
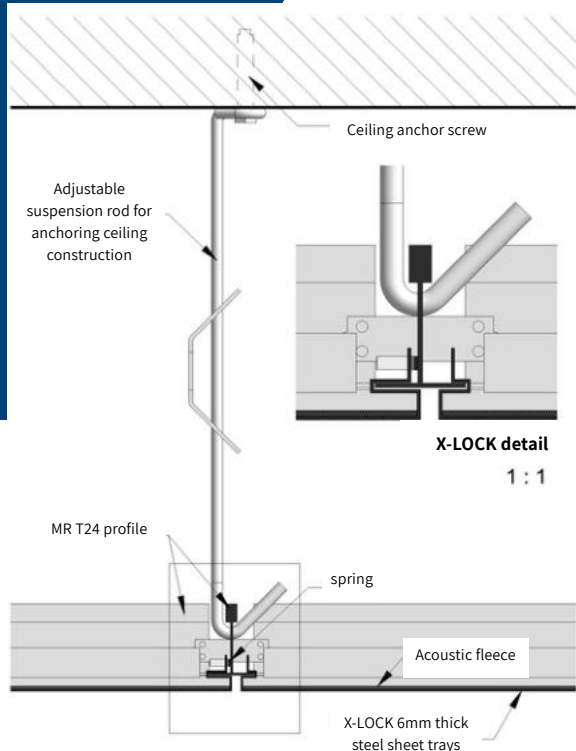
Perforation: According to manufacturer's catalog

Carrier system: Hanging constructions HEAVY DUTY – 38/24 0.4 mm Maximum spacing between hangers – 1.2 m.

Hangers: M6 rigid threaded rods. Maximum spacing between hangers – 1.2 m

The hangers will be connected to the main profile only (MR)

No other element other than the ceiling tiles should be hung on the hanging construction. Any additional element will be installed on separate and independent hangers and their weight will be anchored to the background ceiling.



שלב 3- תליית מערכת הקונסטרוקציה
מוטות תלייה קשיחים (מוט הברגה M6)
•תלייה תתבצע לפרופיל הראשי בלבד
•תלייה במרווחים של 1200 מ"מ מקסימום
•שלב 3- תליית מערכת הקונסטרוקציה

Assembly and disassembly instructions

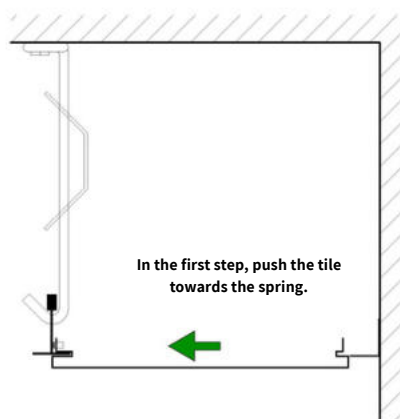
Step 1 - Design and implementation of a light opening that divides the ceiling into whole tiles only
The specified distance is the distance between the center of one T-profile and the center of the other T-profile
The distance between the extreme edge and the center of the T-profile
The perimeter of the light opening is 608 mm
Designed for a ceiling with an angle finish only
The profile dimensions are 24*19
Please note! The reinforcement spring will be placed on the side of the main T-profile and not on the side of the angle

שלב 2- בחירת פרופילי התקרה

מידת הפרופילים:
T 24/38 600 מ"מ, 1200 מ"מ, 3600 מ"מ
L 19/24 - הצד המקביל לקיר 24 מ"מ, הצד הניצב לקיר 19 מ"מ
הקו הנוצר בין הגבס לזווית משאיר רווח של 8 מ"מ התואם את הרווחים בין האריחים (במידה ומשתמשים בפרופיל אחר, חישוב השטח יהיה שונה). על מנת לקבל תקרה בקו "0" עם קרניז הגבס יש להגביה את הזווית ב- 10 מ"מ מעל לקו ה 0 של הקרניז

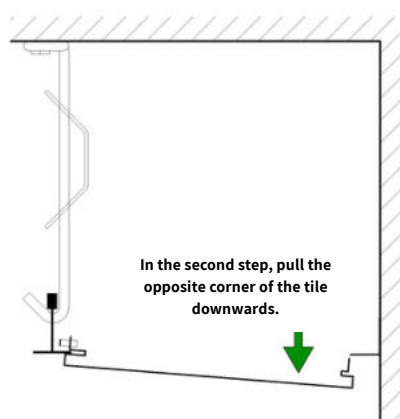
שלב 1- תכנון וביצוע פתח אור המחלק את התקרה לאריחים שלמים בלבד

• המרחק המצוין הוא המרחק בין מרכז פרופיל T אחד למרכז פרופיל T השני
• המרחק בין שפה קיצונית למרכז הפרופיל T היקף פתח האור הוא 608 מ"מ
• מיועד לתקרה בגמר זווית בלבד
מידות הפרופיל 24*19
שים לב! קפיץ החיזוק ימוקם בצד של פרופיל T הראשי ולא בצד של הזווית



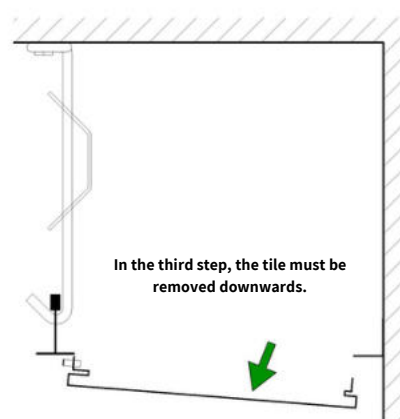
Mode 1 X-LOCK Ceiling

1:2



Mode 2 X-LOCK Ceiling

1:2



Mode 3 X-LOCK Ceiling

1:2

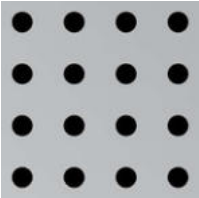
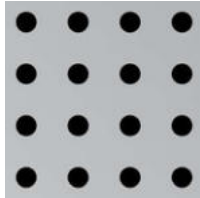
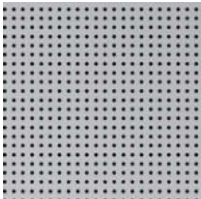
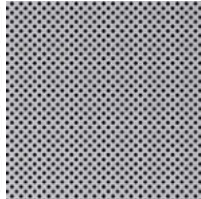
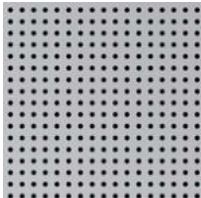
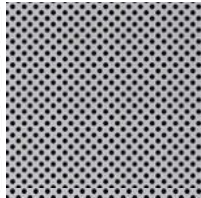
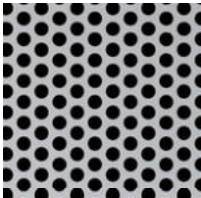
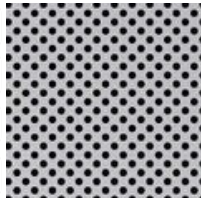
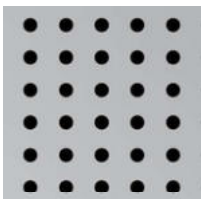
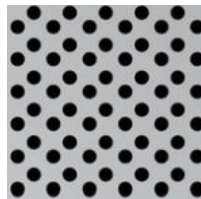
Dismantling X LOCK type ceiling tiles

In the first step, move the tile to the left.
In the second step, pull the right corner of the tile downwards.
In the third step, remove the tile downwards.

Types of perforations

A variety of perforation options are offered to the architect who can choose the size, shape and density of the perforation according to his wishes and in accordance with his various needs.

This choice is another layer of the service we provide to each customer and is designed to meet his special taste and needs.

		9011				9022	
N.R.C 0.65*	Round perforation straight rows 9 mm			N.R.C 0.65*	mm round hole 9		
N.R.C 0.75**	Perforation area 11%			N.R.C 0.78**	Perforation area 22%		
db 40***	Max. tin width for punching 625 mm			db 45***	Max. tin width for punching 625 mm		
	Perforation max. 600 mm				Perforation max. 600 mm		
		1510				1522	
N.R.C 0.70*	Round perforation straight rows 1.5 mm			N.R.C 0.75*	Round perforation 1.5 mm		
N.R.C 0.75**	perforation area 10%			N.R.C 0.85**	Perforation area 22%		
db 40***	Max. tin width for punching 1250 mm			db 41***	Max. tin width for punching 1250 mm		
	Max. perforation 1180 mm				Max. perforation 1180 mm		
		0213				2026	
N.R.C 0.70*	Round perforation straight rows 2 mm			N.R.C 0.78*	mm round hole 2		
N.R.C 0.80**	Perforation area 13%			N.R.C 0.89**	Perforation area 26%		
db 50***	Max. tin width for punching 1250 mm			db 41***	Max. tin width for punching 1250 mm		
	Max. perforation 1180 mm				Max. perforation 1180 mm		
		6041				3011	
N.R.C 0.85*	Dense circular perforation 6 mm			N.R.C 0.81*	Round hole 3 mm		
N.R.C 0.94**	Perforation area 41%			N.R.C 0.92**	Perforation area 11%		
db 40 36***	Max. tin width for punching 1250 mm			db 37***	Max. tin width for punching 625 mm		
	Max. perforation 11800 mm				Perforation max. 600 mm		
		6012				6016	
N.R.C 0.70*	Round perforation straight rows 6 mm			N.R.C 0.75*	Round hole 6 mm		
N.R.C 0.80**	Perforation area 12%			N.R.C 0.85**	Perforation area 16%		
db 50***	Max. tin width for punching 1250 mm			db 45***	Max. tin width for punching 1250 mm		
	Max. perforation 1180 mm				Max. perforation 1180 mm		

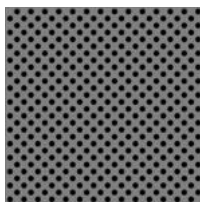
*Average noise absorption with the addition of acoustic fleece gluing **Average noise absorption (with the addition of acoustic fleece gluing and the laying of a 16.1 kg per cubic meter compressed glass wool mattress) ***Average noise absorption (with the addition of acoustic fleece gluing and the laying of a rock wool mattress Compressed with a thickness of "16.1 kg per cubic meter) and a metal back panel cover

Types of perforations

A variety of perforation options are offered to the architect who can choose the size, shape and density of the perforation according to his wishes and in accordance with his various needs. This choice is another layer of the service we provide to each customer and is designed to meet his special taste and needs.

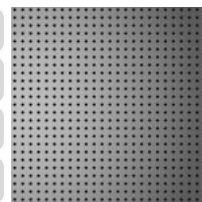
3028

N.R.C 0.78*	Round perforation straight rows 3mm
N.R.C 0.89**	Perforation area 28%
	Max. tin width for punching 500 mm
db 41***	Max. perforation 380 mm



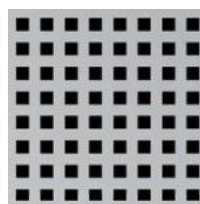
1507

N.R.C 0.70*	Round perforation straight rows 31.5mm
N.R.C 0.75**	Perforation area 7%
	Max. tin width for punching 1250 mm
db 40***	Max. perforation 1180 mm



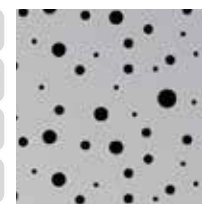
S5030

N.R.C 0.75*	Square perforation 5.5X5.5 mm
N.R.C 0.85**	perforation area 30%
	Max. tin width for punching 625 mm
db 47***	Perforation max. 600 mm



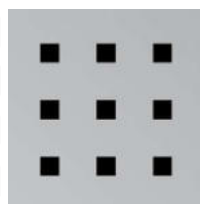
R2468

N.R.C 0.65*	Random round perforation 2X4X6X8 mm
N.R.C 0.75**	Perforation area 11%
	Max. tin width for punching 1250 mm
db 45***	Max. perforation 1180 mm



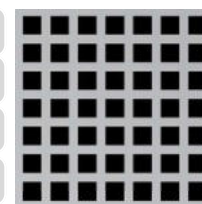
S8011

N.R.C 0.61*	8x8 mm square perforation
N.R.C 0.75**	Perforation area 11%
	Max. tin width for punching 1250 mm
db 40 42***	Max. perforation 1180 mm



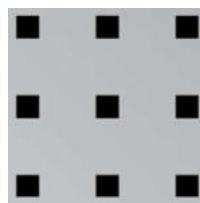
S8044

N.R.C 0.85*	8x8 mm square perforation
N.R.C 0.94**	Perforation area 44%
	Max. tin width for punching 1250 mm
db 40 36***	Max. perforation 1180 mm



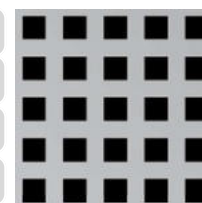
S1012

N.R.C 0.65*	Dense circular perforation 10X10 mm
N.R.C 0.75**	Perforation area 12%
	Max. tin width for punching 625 mm
db 40***	Perforation max. 600 mm



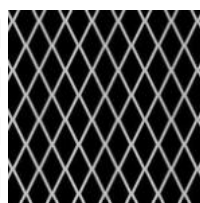
S1036

N.R.C 0.85*	Round perforation 10x10 mm
N.R.C 0.94**	Perforation area 36%
	Max. tin width for punching 625 mm
db 45***	Perforation max. 600 mm



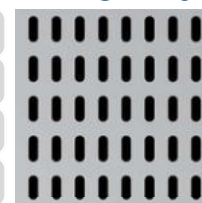
D170

N.R.C 0.75*	Diamond punch 9X20 mm
N.R.C 0.84**	Perforation area 70%
	Max. tin width for punching 625 mm
db 42***	Perforation max. 600 mm



OB40

N.R.C 0.45*	Oval perforation 4X15 mm
N.R.C 0.95**	Perforation area 25%
	Max. tin width for punching 625 mm
db 39***	Perforation max. 600 mm



*Average noise absorption with the addition of acoustic fleece gluing **Average noise absorption (with the addition of acoustic fleece gluing and the laying of a 16.1 kg per cubic meter compressed glass wool mattress) ***Average noise absorption (with the addition of acoustic fleece gluing and the laying of a rock wool mattress Compressed with a thickness of "16.1 kg per cubic meter) and a metal back panel cover

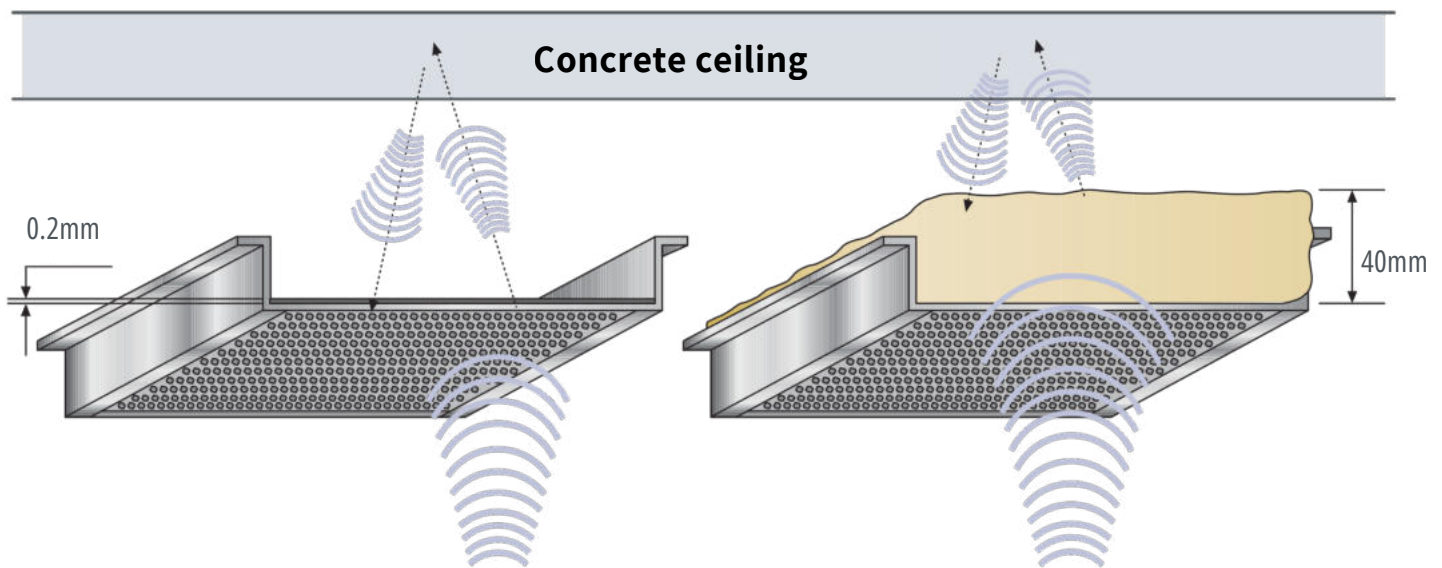
isolation

The Hecht Ephraim company is a representative of the Royaline company - Germany.

Non-woven acoustic fleece, with a noise absorption capacity of up to 0.8 (reduction of about 10 decibels) with a thickness of 0.2 mm is affixed with acoustic glue on the back of the ceiling and wall units.

advantages

- High noise absorption, effective handling of different decibel levels (see diagram).
- It does not detach and does not move from the unit, so removing the trays for the purpose of maintaining the systems above them and re-placing them afterwards is easy, fast and simple.
- Meets the requirements of TI 921.
- The insulation does not absorb moisture.
- Acoustic insulation in black tones that emphasizes the appearance of perforation and alternatively in white tones for a monolithic look.



*Additional glass wool/rocks can be added above the tile depending on the ceiling model.

