



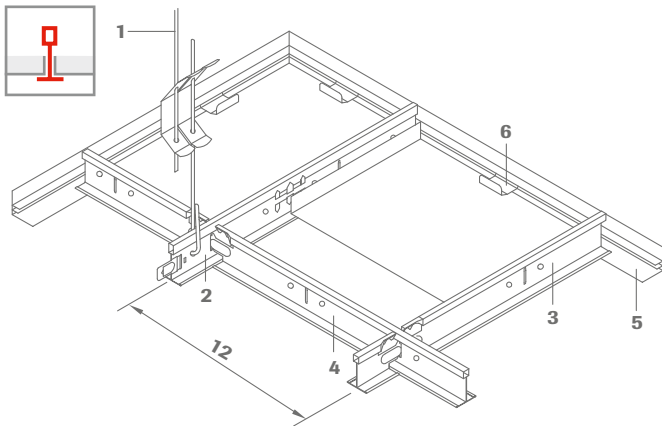
Exposed, demountable

Suitable for clean rooms

OWAtecta® – metal ceilings

OWA

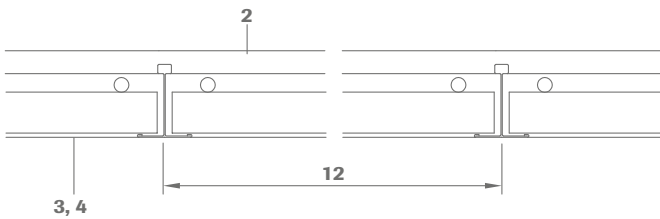
System S 33/S 45 | Exposed, demountable



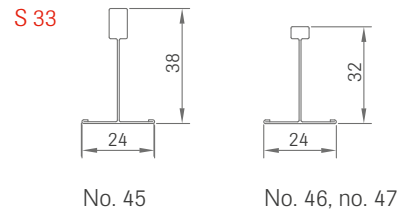
- 1 Hanger no. 12/.../...
- 2 Main tee no. 45 or cliq-15-MR, punched at 100 mm or 156.25 mm centres
- 3 Cross tee* no. 46 or cliq-15-CT, short
- 4 Cross tee* no. 47 or cliq-15-CT, long
- 5 Wall angle no. 50F
- 6 Wall spring clip no. 5220
- 7 Wall angle no. 50G
- 8 Wall clip no. 99009
- 9 Shadow wall angle no. 50/15G
- 10 Wall clip no. 99010
- 11 F shadow wall angle no. 5620F
- 12 Module size

* When using colliding cross sections for the edge K 03/K 04, this may lead to the formation of concealed joints in the impact area. This is system- and design-related and does not entitle the user to make a complaint.

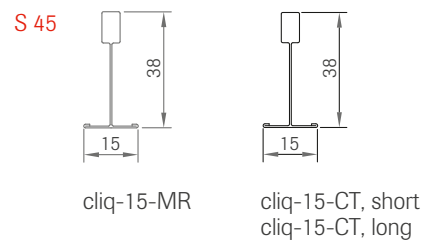
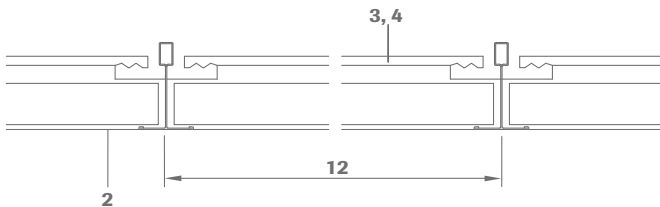
Cross-section:








Profile dimensions:



Section:



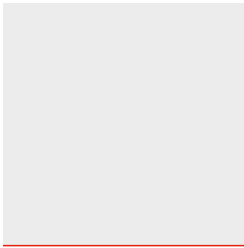
Technical data

Dimensions	600 x 600 mm, 610 x 610 mm, 625 x 625 mm other dimensions on request		
Material	Galv. steel, perforated design with glued-in black acoustic fleece (aluminium available on request)		
Colour	White (similar RAL 9003)		
Reaction to fire	Depending on configuration, A1 or A2-s2,d0 in accordance with EN 13501-1		
Edges	S 33 K 03 	K 04 	K 07 
	S 45 K 03 	K 16 	
Thickness	Galv. steel approx. 0.5 mm		
Metal suspension	All metal components listed are galvanized steel or white coated galvanized steel respectively		
Suspension depth	75 - 100 mm (depending on the existing soffit) for ease of access the minimum recommended suspension height is 120 mm		
Resistance to fire	On request		

Perforations:



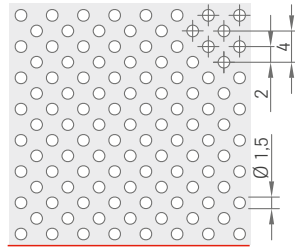
$\alpha_w = 0,05$ | NRC = 0,05



L0 un-perforated



$\alpha_w = 0,70$ | NRC = 0,70

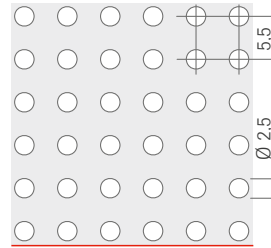


Rd1522

Ø 1,5 mm
22 % open area



$\alpha_w = 0,80$ | NRC = 0,75

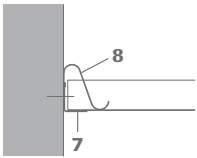


Rg2516

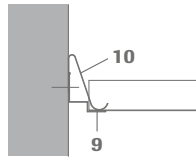
Ø 2,5 mm
16 % open area

Other perforations can be found in brochure no. 9391 e.

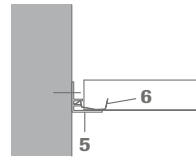
Wall perimeter:



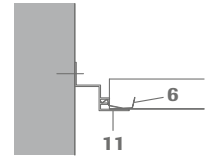
L wall angle
no. 50G, steel,
visible side white
+ wall clip no. 99009



Shadow wall angle
no. 50/15G, steel,
visible side white
+ wall clip no. 99010



F wall angle
no. 50F, aluminium,
visible side white
+ wall spring clip no. 5220



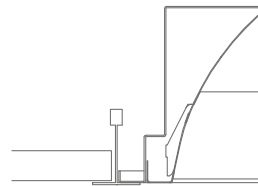
F shadow wall angle
no. 5620F, aluminium,
visible side white
+ wall spring clip no. 5220

For more perimeter options and information on installation see OWAteca® Installation Guide no. 9303 e.

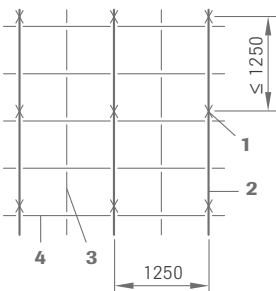
Light fixtures:

OWA can supply compatible light fixtures for this system.

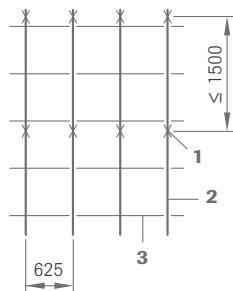
For details of performance, installation and fire resistance please see OWA-brochure no. 9630 e and OWAteca® Installation Guide no. 9303 e.



Installation examples:



Module 625 x 625 mm



Module 625 x 625 mm

Material requirements per m² (approximations)
dimensions in mm

S 33, no.	S 45, no.	Description	600 x 600	625 x 625	625 x 625 *
12/.../...	12/.../...	Hanger	0.7 pce	0.7 pce	1.1 pcs
45	cliq-15-MR	Main tee	0.83 m	0.8 m	1.6 m
46	cliq-15-CT	Cross tee, short	0.83 m	0.8 m	1.6 m
47	cliq-15-CT	Cross tee, long	1.66 m	1.6 m	-
5220	5220	Wall spring clip	Dependent on room size and shape		
50F	50F	F wall angle	Dependent on room size and shape		

* Installation with reduced distance between main tees (≤ 625 mm)

Weight per :

	600 x 600	625 x 625	625 x 625 *
Suspension system approx.	1.25 kg/m ²	1.2 kg/m ²	1.22 kg/m ²
Cassetts approx.	3.5 - 6.0 kg/m ²		

Blue Angel

These products meet the Ecolabel requirements for „Low-emission thermal insulation and ceiling products designed for use in buildings, RAL UZ 132“ (October 2010 edition).



VOC emissions OWAtecta® metal ceiling tiles

Appropriate for use in indoor spaces in accordance with the AgBB and the „approval principles regarding health assessments of construction products in indoor spaces“.

In clinical and hygienic-sensitive areas:
surface un-perforated (L0)



Tested and certified for use in clean rooms
surface un-perforated (L0)



Fraunhofer
TESTED®
DEVICE
OWA GmbH
OWAtecta-Systeme S 33/S 45
Report No. OW 1003-518

Please refer to OWA-brochure no. 9398 e and OWAtecta® Installation Guide no. 9303 e for recommendations regarding classification and versions.

System description:

exposed, demountable OWAconstruct® system S 33/S 45 (lay-in system)

Quality statement:

OWAtecta® metal ceiling tiles are manufactured from galvanized steel or aluminium sheet and produced in non-perforated or perforated versions with the latter normally including a black, non-woven acoustic fleece. All exposed metal surfaces are white powder coated. Products are manufactured in accordance with the guidelines for material specification, quality, dimensional tolerances and colour shown in the European standard EN 13964, Suspended Ceilings. Requirements and test methods.

Special features can be found in the OWAtecta® Installation Guide no. 9303 e.

Product warranties

The information provided in this leaflet is based on the standards and data available at the time of publication. Any performance, warranties or guarantees provided, expressed or implied, are subject to the exclusive use of OWA components and the installation of those components in accordance with our recommendations. Failure to adhere to these conditions will result in the invalidation of any performance claims, warranties or guarantees and rejection of any liability. OWA reserves the right to make any technical improvements to the products, systems or services without prior notice. **All goods and services are supplied in accordance with our current Terms and Conditions of Sale.** Errors excepted!



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