



QUICK-LOCK®

Catalogue 2020

QUICK-LOCK CEILING SYSTEMS The best base for your ceiling

A complete survey of all Quick-Lock ceiling systems

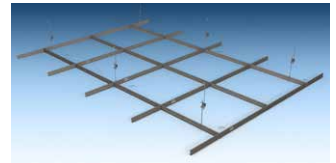
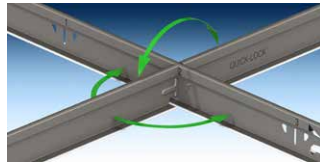
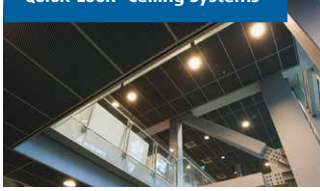


The Quick-Lock suspension systems

The Quick-Lock range consists of four product families of standardised systems: **Quick-Lock Ceiling Systems** for lay-in panels, **Quick-Lock Cross-Lock** for concealed assembly, **Quick-Lock Omega** for wall fastening and **Quick-Lock Insula** for free-hanging ceilings. The systems are distinguished by their stable, right-angled, dimensionally stable

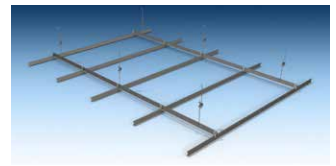
connections and the fully modular nature of the range. They are characterised by simple, and therefore more rapid assembly, leading to attractive, level and dimensionally precise ceilings. All the systems use the unique features of the Quick-Lock support profiles.

QUICK-LOCK® Ceiling Systems



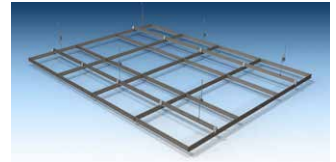
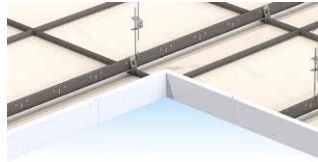
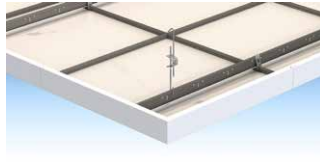
Quick-Lock visible systems - Stable, right-angled, dimensionally stable and level connections.

QUICK-LOCK® Cross-Lock



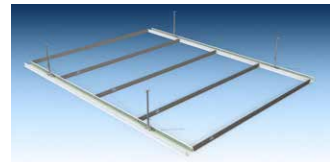
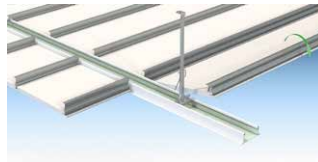
Cross-Lock concealed suspension system - Stable, dimensionally accurate, XL for large-format panels.

QUICK-LOCK® Insula



Insula free-hanging systems - Modular edges, ready-made corners, customised support profiles!

QUICK-LOCK® Omega



Omega bandrasters – Groove for wall fastening, stable cross profiles, customised delivery.

Quick-Lock is just a small evolutionary step from the standard systems for visible systems to systems for concealed assembly, free-hanging ceiling islands and bandraster ceilings. All these systems feature the unique

properties of the Quick-Lock profiles. The systems are colourcoded in the documentation for ease of identification.

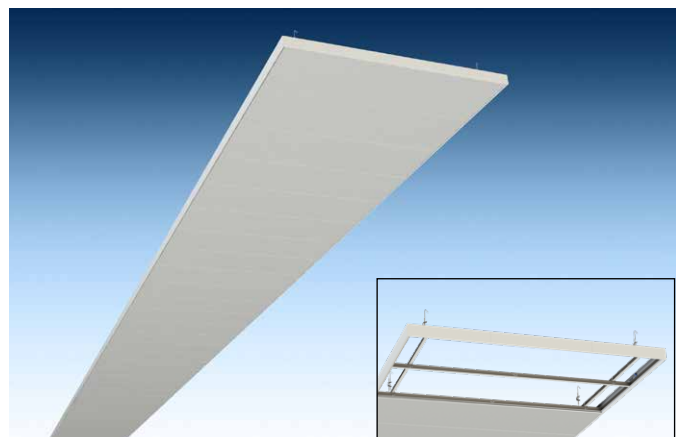
Project solutions

We are happy to explore project solutions for special ceiling situations with you. Adjusting products or adding customised elements often enables optimal use of the systems benefits so that the desired end

result is achieved. Using our 3D CAD systems brings potential solutions to life visually. Below are some examples of ceilings delivered 2019.



Cross-Lock system under a sloping roof



21 meter Insula91 island concealed

New products



Quick-Lock 24-38 TR corridor profiles

For corridor situations with panels spanning the corridor, we now offer ultra-stable QL 24-38 TR profiles for both flat-mount panels and rebated panels. The profiles are characterised by high torsional strength, resulting in greater stability under uneven loads. The profiles are available in a number of standard lengths up to a maximum of 2430 mm. See page 13.

Flexible wall angle

In addition to the standard aluminium wall angle, we now offer a flexible wall angle. As the aluminium angle profile may only be bent to a limited extent, it must be supplied as a pre-bent part in the case of small radii. The flexible angle profile is only suitable for “convex” applications; e.g. around support columns. It is a specially pre-punched steel profile with a flexible PVC skin. Thanks to these design features, the profile can easily be bent to fit on site. One possible disadvantage is that the punched openings may be visible in the case of small radii. The profile has limited load capacity. Please refer to page 33 for the specification details of both profiles.



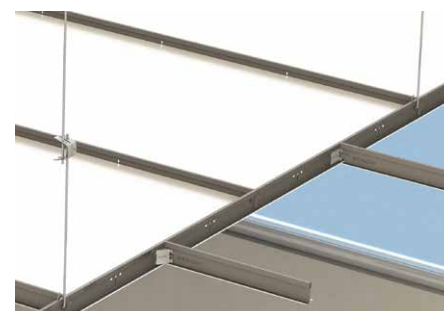
Do more with Cross-Lock:

What if there is no room for a suspension point? You can easily make a “bridge” piece using a section of main beam and a Cross-Lock bracket. Make sure you do not exceed the admissible load. Limit the span to 600 mm. The load may not exceed 10 kg.



Pendant luminaire under a concealed-mount system:

When pendant luminaires are to be installed under a concealed-mount ceiling that uses the Cross-Lock system, they can be suspended from a mounting panel. This panel is supported by cross profiles that can be fitted between the primary beams. API can advise you on the permitted load and exact installation details.



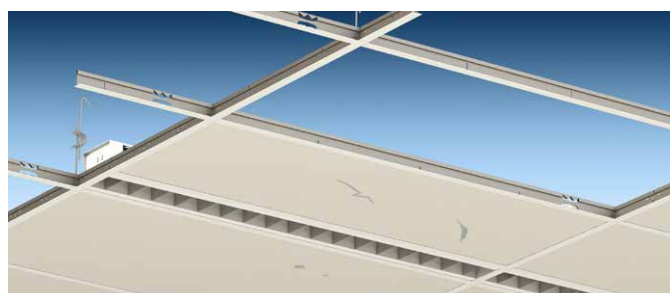
Visible system in a brick pattern:

If the system is to feature a “brick pattern”, the Quick-Lock cross-tee clip should be inserted in the slot used for mounting the cross-tee. As only one cross-tee is fitted in each slot the cross-tee clip will fill the slotted hole and create a stable connection, see page 38.

Renovation system with re-use of suspension and support profiles

A system is now available for renovating existing visibly installed ceilings. This means that a ceiling with a visible design can easily be transformed into a new completely concealed ceiling design. Suspenders, main beams and wall angles can be left in position and are re-used.

Following dismantling and height adjustment, Cross-Lock brackets are used to suspend new secondary beams beneath the existing main beams. The panels for concealed-mount installation will be carried by these.



Existing ceiling - visible system



Renovated ceiling - concealed system

This catalogue

Product samples

API has ample stock of samples of practically all systems. If desired, sample sets can be sent to you or your representative in a special sample carton. The samples are up to 30 cm long and equipped with all the relevant details and parts. If you require greater quantities of samples, please contact the API sales department. Sample cases of the Insula ceiling systems are also available on request. These will provide designers and clients a good impression of the potential end result.



Standard profiles

The availability of the products corresponds to demand where possible, and has been classified as A, B, and C.

A products are normally kept in stock.

B products are available from stock in limited quantities.

C products are produced in response to customer demand.

Made-to-measure profiles

API offers extensive options for the production of adapted profiles. Made-to-measure can result in a considerable reduction in assembly time and improve the quality of the ceilings. Profile length, position of details, types of connections, etc. can be selected on a project-by-project basis. An overview of all the options can be found on pages 40 and 41.

Availability

This catalogue contains detailed information about the entire range and use of the systems. Each system group has its own colour to make finding the right system and the associated components easier.

Applications

The Quick-Lock suspension systems have been designed for use in building interiors under normal temperature, humidity and other ambient conditions. If there are applications that differ from the options shown in this catalogue, or the conditions are different, we advise you to contact us. We can then look into the best solution for you.

Information about the application and the load capacity of the systems in standard version can be found on pages 48-61.

CE Marking – DoP

The Quick-Lock products bear the CE mark to demonstrate they meet the essential requirements of the European Standard, EN 13964-2014. These requirements involve the system's reaction to fire, durability and load-bearing capacity. The "reaction-to-fire" classification for most products is A1. The durability (resistance to corrosion) meets at least the requirements of class B. The CORRO-PLUS EF system meets the Class C specifications and following testing, can be applied in specific Class D situations. The system also meets the requirements for application in a C4 environment in accordance with EN 12944-2. The performance specifications are laid down in so-called DoPs (Declaration of Performance documents). The label on each package contains a hyperlink to the associated DoPs. These are available in multiple languages on API's website.

Renewed website

The API QL website has been completely renewed. The systems and associated documents are now even easier to find. The navigation and design are completely up to date and suitable for the latest browsers, smartphones and tablets.



Would you like to know more about the products and delivery options?

API Customer Service

Ask questions via the website, by email or by telephone.

API Catalogue

An exhaustive and detailed annual summary of the entire range and applications.

CAD service

Extensive library of the most diverse ceiling solutions and CAD-project advice.

www.api.nl

Extensive information about the systems, range of application, and new developments.

Social Media

Twitter: @APIQuickLock
Facebook: APIQuickLock

YouTube

Assembly instructions for a number of systems:
www.youtube.com/quicklockceilings

Sample sets

Available for all ceiling suspension systems.

Email newsletter

Current projects, application examples, (fitting) tips and other news.

Contact

Call or send an email to API sales staff

Telephone: +31(0)341- 474600

email: sales@api.nl

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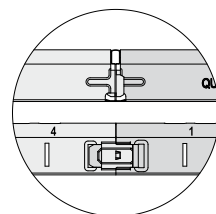
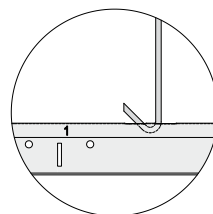
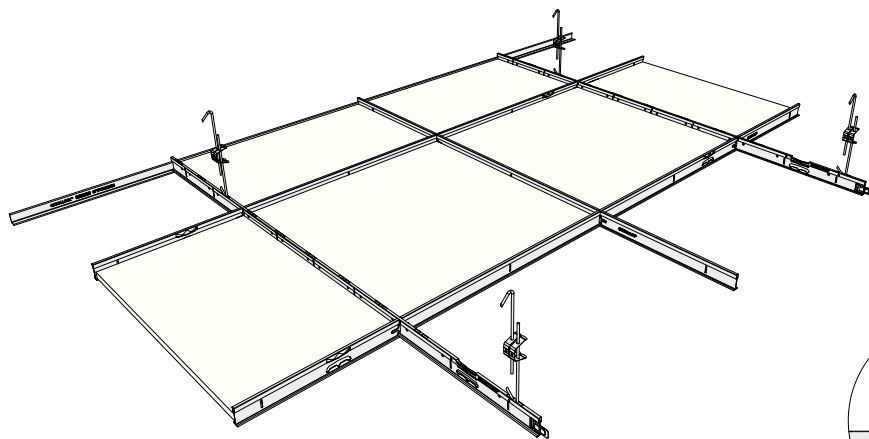
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Notes

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QUICK-LOCK® 15/38 HE • snow-white • RAL 9010



Component, dimensions in mm

Product Nr Description

Length
mm

Pack/
Qty

R- Mtr/
pack

Weight/
pack

Logistic
code

* Main beam, snow-white

41 20 181	Slots c.t.c. 150 mm	3000	20	60	18.9	A
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Cross tee

41 20 110	Without slots	300	60	18	5.7	B
41 20 111	Slots c.t.c. 300 mm	600	60	36	11.4	A
41 20 113	Slots c.t.c. 300 mm	1200	60	72	22.7	A

Wall angle, snow-white

41 33 101	19 x 24 mm	3000	30	90	16.2	A
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Main beam, RAL 9010

**	Slots c.t.c. 150 mm	3000	20	60	18.9	C
----	---------------------	------	----	----	------	---

Cross tee, RAL 9010

**	Slots c.t.c. 300 mm	600	60	36	11.4	C
**	Slots c.t.c. 300 mm	1200	60	72	22.7	C

Wall angle, RAL 9010

41 33 306	24 x 24 mm	3000	30	90	18.2	A
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* Color snow-white is provided with top suspension perforations as a standard.

Other colors only on demand.

RAL-colors: minor deviations to the RAL standard can not be excluded.

Din sizes on demand.

** On demand.

QUICK-LOCK® 15/38 HE • other colors

Component, dimensions in mm

Product Nr Description

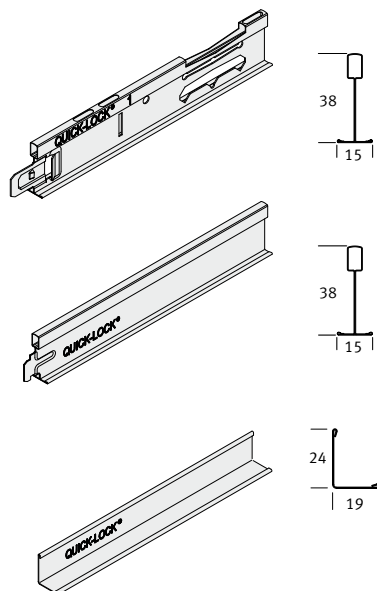
Length
mm

Pack/
Qty

R-Mtr/
pack

Weight/
pack

Logistic
code



Main beam, black RAL 9005

41 20 581	Slots c.t.c. 150 mm	3000	20	60	18.9	B
-----------	---------------------	------	----	----	------	---

Cross tee, black RAL 9005

41 20 511	Slots c.t.c. 300 mm	600	60	36	11.4	B
41 20 513	Slots c.t.c. 300 mm	1200	60	72	22.7	B

Wall angle, black RAL 9005

41 33 103	19 x 24 mm	3000	30	90	16.2	A
-----------	------------	------	----	----	------	---

Main beam, black ultra matt

41 20 681	Slots c.t.c. 150 mm	3000	20	60	18.9	B
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Cross tee, black ultra matt

41 20 611	Slots c.t.c. 300 mm	600	60	36	11.4	B
41 20 613	Slots c.t.c. 300 mm	1200	60	72	22.7	B

Wall angle, black ultra matt

41 33 116	19 x 24 mm	3000	30	90	16.2	A
-----------	------------	------	----	----	------	---

Main beam, RAL 9006

41 21 781	Slots c.t.c. 150 mm	3000	20	60	18.9	B
-----------	---------------------	------	----	----	------	---

Cross tee, RAL 9006

41 21 711	Slots c.t.c. 300 mm	600	60	36	11.4	B
41 21 713	Slots c.t.c. 300 mm	1200	60	72	22.7	B

Wall angle, RAL 9006

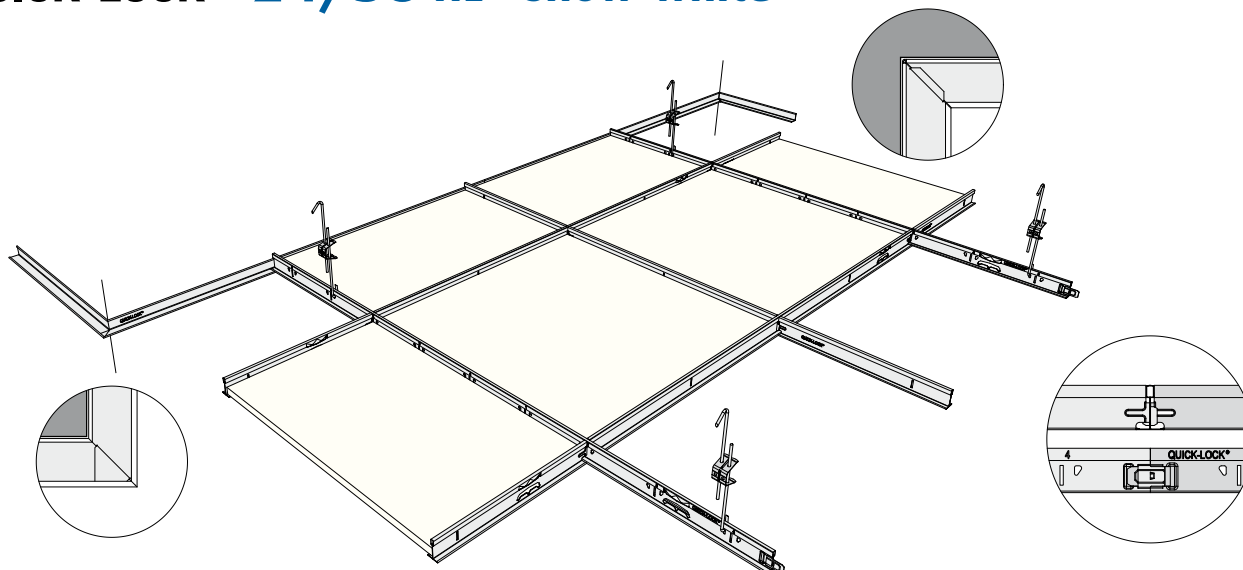
41 33 111	19 x 24 mm	3000	30	90	16.2	A
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* Color snow-white is provided with top suspension perforations as a standard.

Other colors only on demand.

RAL-colors: minor deviations to the RAL standard can not be excluded.

QUICK-LOCK® 24/38 HE • snow-white



Component, dimensions in mm

Product Nr Description

Length
mm
Pack/
Qty
R-Mtr/
pack
Weight/
pack
Logistic
code

Main beam, snow-white

41 10 193	Unipro slots c.t.c. 150 mm	3000	20	60	21.5	A
41 10 181	Unipro slots c.t.c. 150 mm	3600	20	72	24.5	A

Cross tee, snow-white

41 10 111	Slots c.t.c. 300 mm	600	60	36	12.5	A
41 50 111	Slots c.t.c. 300 mm	600	20	12	4	B
41 10 113	Slots c.t.c. 300 mm	1200	60	72	24.5	A
41 10 104	For mounting luminaries	150	60	9	4.5	B
41 10 106	For mounting luminaries	190	60	11.4	5.1	B
41 10 110	Without slots	300	60	18	7	A
41 10 112	Slots c.t.c. 300 mm	900	60	54	19.6	B
41 10 114	Slots c.t.c. 150/300 mm	1500	40	60	21.8	B
41 10 115	Slots c.t.c. 150/300 mm	1800	40	72	24.5	B
41 10 117	Slots c.t.c. 300 mm	2400	20	48	17.5	B

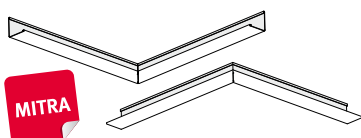
Cross tee clip TS

42 06 030	Stabilizing clip for single cross tee connection	50		0.5		B
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Wall angle, snow-white

41 33 301	24 x 24 mm	3000	30	90	18.2	A
-----------	------------	------	----	----	------	---

For Mitra wall angle inside and outside corners see page 32.



QUICK-LOCK® 24/38 HE • ultra matt • other colors

Component, dimensions in mm

Product Nr Description

Length
mm

Pack/
Qty

R- Mtr/
pack

Weight/
pack

Logistic
code

Main beam, snow-white ultra matt

41 11 481	Unipro slots c.t.c. 150 mm	3600	20	72	24.5	B
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Cross tee, snow-white ultra matt

41 11 411	Slots c.t.c. 300 mm	600	60	36	12.5	B
41 11 413	Slots c.t.c. 300 mm	1200	60	72	24.5	B

Wall angle, snow-white ultra matt

41 33 119	19 x 24 mm	3000	30	90	16.2	B
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Main beam, black ultra matt

41 11 681	Unipro slots c.t.c. 150 mm	3600	20	72	24.5	B
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Cross tee, black ultra matt

41 11 611	Slots c.t.c. 300 mm	600	60	36	12.5	B
41 11 613	Slots c.t.c. 300 mm	1200	60	72	24.5	B

Wall angle, black ultra matt

41 33 116	19 x 24 mm	3000	30	90	16.2	A
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Main beam, RAL 9010

41 10 781	Unipro slots c.t.c. 150 mm	3600	20	72	24.5	B
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Cross tee, RAL 9010

41 10 710	Without slots	300	60	18	7	B
41 10 711	Slots c.t.c. 300 mm	600	60	36	12.5	B
41 10 713	Slots c.t.c. 300 mm	1200	60	72	24.5	B
41 10 715	Slots c.t.c. 150/300 mm	1800	40	72	24.5	B

Wall angle, RAL 9010

41 33 306	24 x 24 mm	3000	30	90	18.2	A
-----------	------------	------	----	----	------	---

Main beam, black RAL 9005

41 10 581	Unipro slots c.t.c. 150 mm	3600	20	72	24.5	B
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Cross tee, black RAL 9005

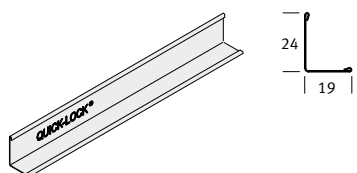
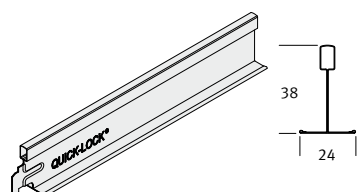
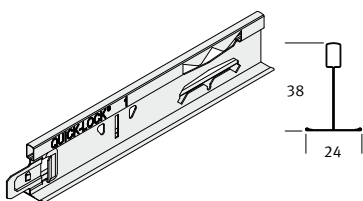
41 10 510	Without slots	300	60	18	7	B
41 10 511	Slots c.t.c. 300 mm	600	60	36	12.5	B
41 10 513	Slots c.t.c. 300 mm	1200	60	72	24.5	B

Wall angle, black RAL 9005

41 33 103	19 x 24 mm	3000	30	90	16.2	A
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DIN lengths 625, 1250 and 3750 on demand.

Minor deviations to the RAL standard can not be excluded.



QUICK-LOCK® 24/38 HE • metal colors • RAL 9006

Component, dimensions in mm

Product Nr Description

Length
mm

Pack/
Qty

R- Mtr/
pack

Weight/
pack

Logistic
code

Main beam, RAL 9006

41 11 781	Unipro slots c.t.c. 150 mm	3600	20	72	24.5	B
-----------	----------------------------	------	----	----	------	---

Cross tee, RAL 9006

41 11 710	Without slots	300	60	18	7	B
41 11 711	Slots c.t.c. 300 mm	600	60	36	12.5	B
41 11 713	Slots c.t.c. 300 mm	1200	60	72	24.5	B

Wall angle, RAL 9006

41 33 111	19 x 24 mm	3000	30	90	16.2	A
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Main beam, brushed alu

41 11 381	Slots c.t.c. 150 mm	3600	20	72	24.5	C
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Cross tee, brushed alu

41 11 311	Slots c.t.c. 300 mm	600	60	36	12.5	C
41 11 313	Slots c.t.c. 300 mm	1200	60	72	24.5	C

Wall angle, brushed alu

41 33 105	19 x 24 mm	3000	30	90	8.3	C
-----------	------------	------	----	----	-----	---

Main beam, zinc*

**	Slots c.t.c. 150 mm	3600	20	72	24.5	C
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Cross tee, zinc*

**	Slots c.t.c. 300 mm	600	60	36	12.5	C
**	Slots c.t.c. 300 mm	1200	60	72	24.5	C

Wall angle, zinc*

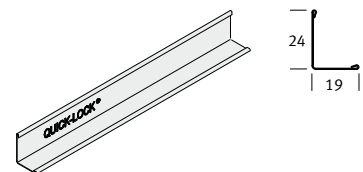
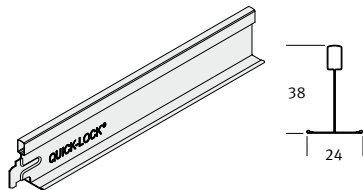
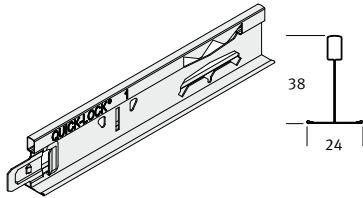
**	19 x 24 mm	3000	30	90	21.8	C
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DIN lengths 625, 1250 and 3750 on demand.

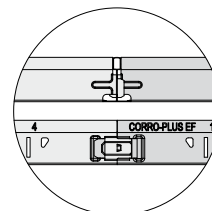
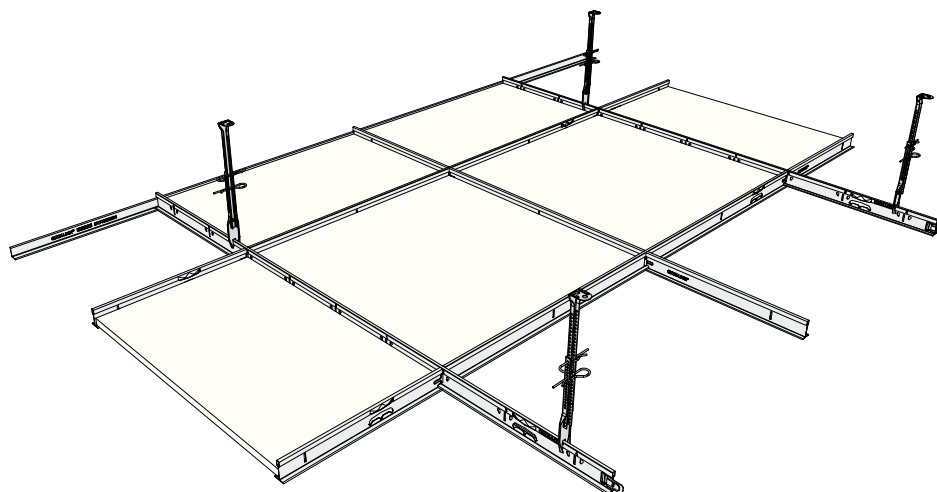
* Traces on the cap surface due to production cannot be excluded.

** On demand.

Minor deviations to the RAL standard can not be excluded.



QUICK-LOCK® 24/38 HE • snow-white** • Corro-Plus EF



Component, dimensions in mm

Product Nr Description

Length
mm
Pack/
Qty
R-Mtr/
pack
Weight/
pack
Logistic
code

Main beam, snow-white* Corro-Plus EF

41 11 281	Snow-white Corro-Plus EF, Unipro slots c.t.c. 150 mm	3600	20	72	24.5	B
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Cross tee, snow-white* Corro-Plus EF

41 11 211	Snow-white Corro-Plus EF, slots c.t.c. 300 mm	600	60	36	12.5	B
41 11 213	Snow-white Corro-Plus EF, slots c.t.c. 300 mm	1200	60	72	24.5	B

Wall angle, snow-white* Corro-Plus EF

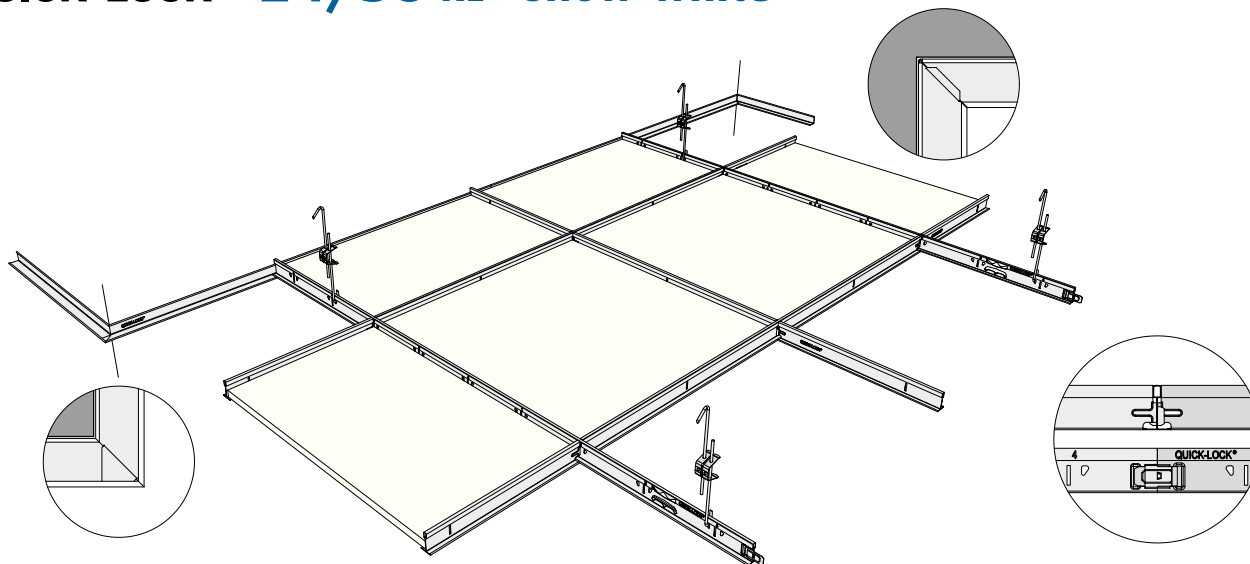
41 33 535	Snow-white Corro-Plus EF, 19 x 24 mm	3000	30	90	16.2	B
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Extra corrosion-resistant suspension system. Class C-D* according to EN 13964, table 8 and C4 according to EN 12944.

The extra corrosion-resistant system, Quick-Lock Corro-Plus, satisfies the requirements of BA guideline 3.6 for swimming pool ceilings in the Netherlands (Z275 + 20µ organic coating on each side). It also more than satisfies the class C specifications stated in EN 13964, table 8. Based on individual project assessment, the system can also be used in class D situations*. Corrosion tests have shown that the system is suitable for use in C4 environments according to EN 12994-2. In addition, the system has been tested for resistance to environments where there are chloride concentrations. The degree of corrosion resistance depends on the local conditions. The suitability and anticipated lifespan should be assessed by a professional. Based on regulations, periodic inspection may be required in order to identify possible degradation in good time. It is recommended after installation that the connection details and cut edges of the fitted profiles are treated with spray paint. The profiles should always be cut and not sawn. The system can be identified by the Corro-Plus logo on the profiles. Page 36 lists the accessories that are available with the extra corrosion-resistant finish.

** The new Corro-Plus EF coating features a higher gloss finish compared to the standard coating used for the Quick-Lock profiles and the previous Corro-Plus system. We therefore advise you not to mix the systems.

QUICK-LOCK® 24/38 RE • snow-white



Component, dimensions in mm

Product Nr Description

Length
mm
Pack/
Qty
R-Mtr/
pack
Weight/
pack
Logistic
code

Main beam, snow-white

41 10 193	Unipro slots c.t.c. 150 mm	3000	20	60	21.5	A
41 10 181	Unipro slots c.t.c. 150 mm	3600	20	72	24.5	A
41 10 185	DIN, Unipro slots c.t.c. 156.25 mm	3750	20	75	25.9	B

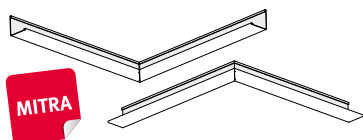
Cross tee RE, snow-white

41 10 161	Slots c.t.c. 300 mm	600	60	36	10.5	A
41 10 163	Slots c.t.c. 300 mm	1200	60	72	20.7	A
41 10 171	DIN, slots c.t.c. 312,5 mm	625	60	36	11.5	B
41 10 173	DIN, slots c.t.c. 312,5 mm	1250	60	72	22.7	B

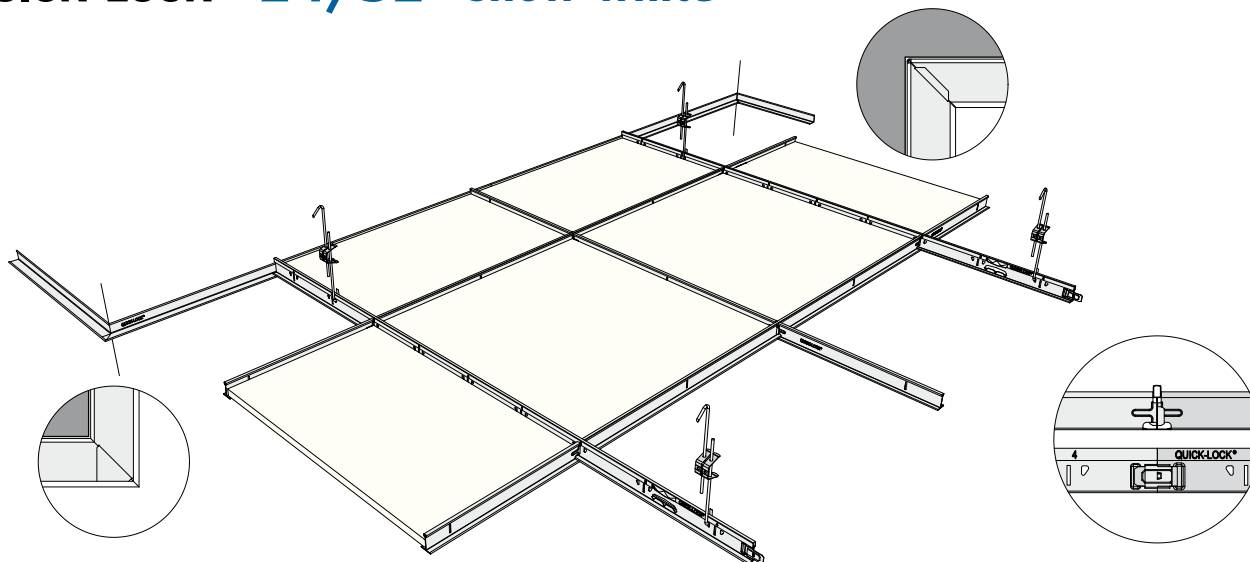
Wall angle, snow-white

41 33 301	24 x 24 mm	3000	30	90	18.2	A
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For Mitra wall angle inside and outside corners see page 32.



QUICK-LOCK® 24/32 • snow-white



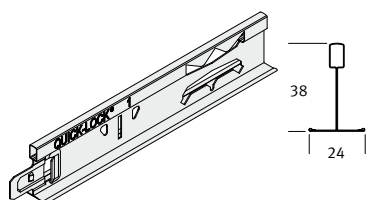
Component, dimensions in mm

Product Nr Description

Length
mm
Pack/
Qty
R-Mtr/
pack
Weight/
pack
Logistic
code

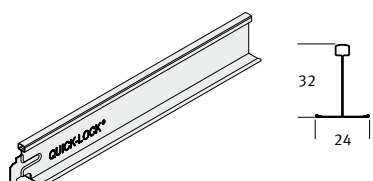
Main beam, snow-white

41 10 193	Unipro slots c.t.c. 150 mm	3000	20	60	21.5	A
41 10 181	Unipro slots c.t.c. 150 mm	3600	20	72	24.5	A



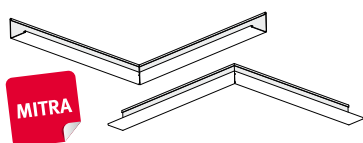
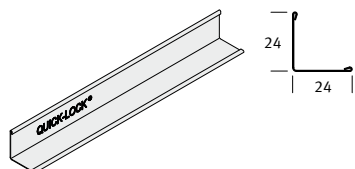
Cross tee 24-32, snow-white

41 22 161	Slots c.t.c. 300 mm	600	60	36	10.5	A
41 22 163	Slots c.t.c. 300 mm	1200	60	72	20.2	A



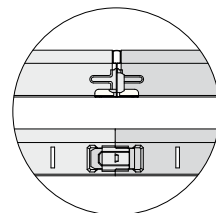
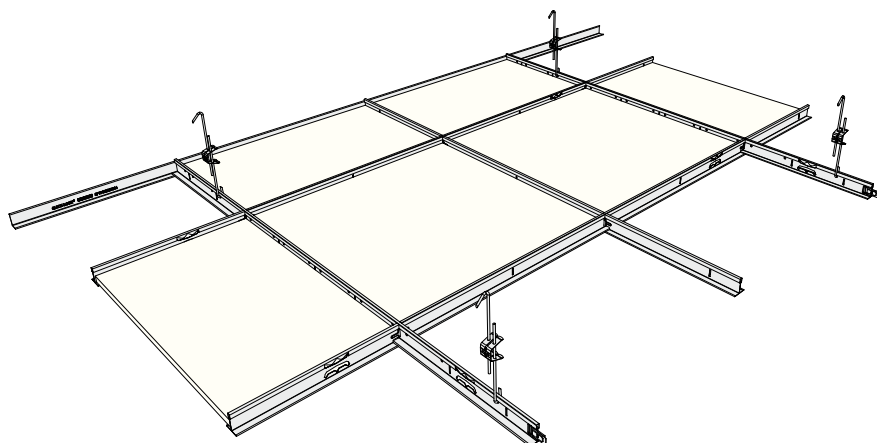
Wall angle, snow-white

41 33 301	24 x 24 mm	3000	30	90	18.2	A
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For Mitra wall angle inside and outside corners see page 32.

QUICK-LOCK® 35/38 • snow-white



Component, dimensions in mm

Product Nr Description

Length
mm

Pack/
Qty

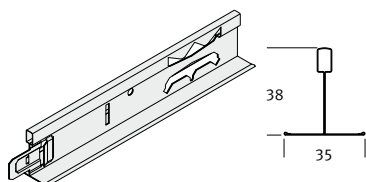
R- Mtr/
pack

Weight/
pack

Logistic
code

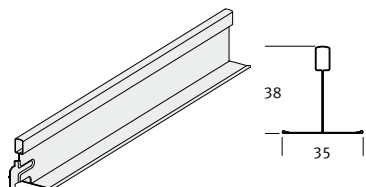
Main beam, snow-white

41 25 185	Slots c.t.c. 150 mm	3600	14	50.4	23	C
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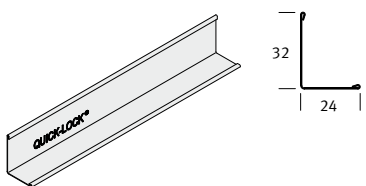
Cross tee, snow-white

41 25 111	Slots c.t.c. 300 mm	600	42	25.2	11.5	C
41 25 113	Slots c.t.c. 300 mm	1200	28	33.6	15.2	C

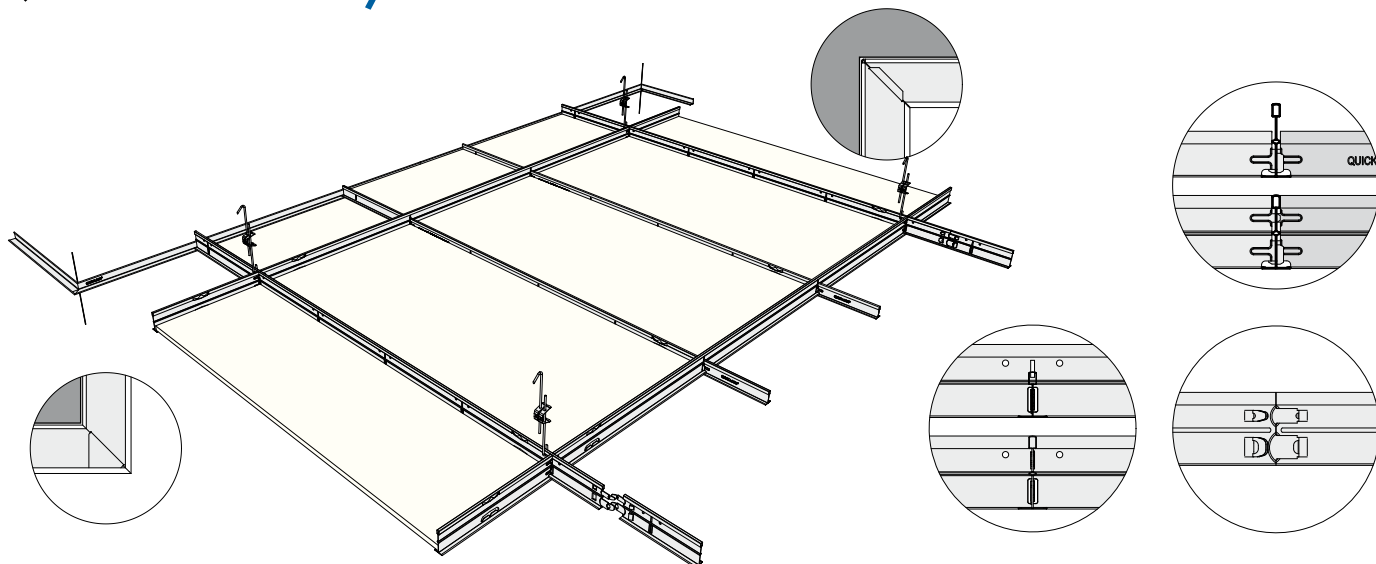


Wall angle, snow-white

41 33 401	24 x 32 mm	3000	30	90	21.8	B
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QUICK-LOCK® 24/60 HE • snow-white



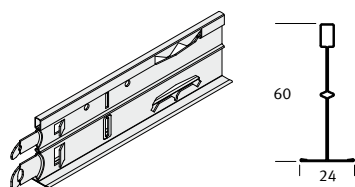
Component, dimensions in mm

Product Nr Description

Length
mm
Pack/
Qty
R-Mtr/
pack
Weight/
pack
Logistic
code

Main beam HE, snow-white

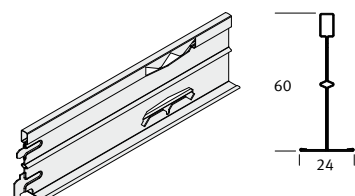
41 24 180	Slots c.t.c. 300 mm	3600	12	43.2	33	B
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Cross tee HE, snow-white

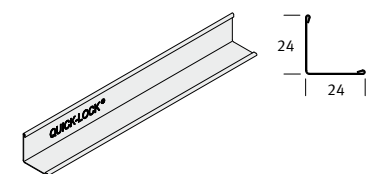
41 24 115	Slots c.t.c. 600 mm	1800	12	21.6	16.5	B
41 24 117	Slots c.t.c. 600 mm	2400	12	28.8	22	B

For Quick-Lock 24/38 profiles see page 5



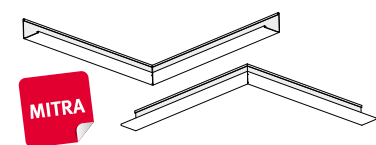
Wall angle, snow-white

41 33 301	24 x 24 mm	3000	30	90	18.2	A
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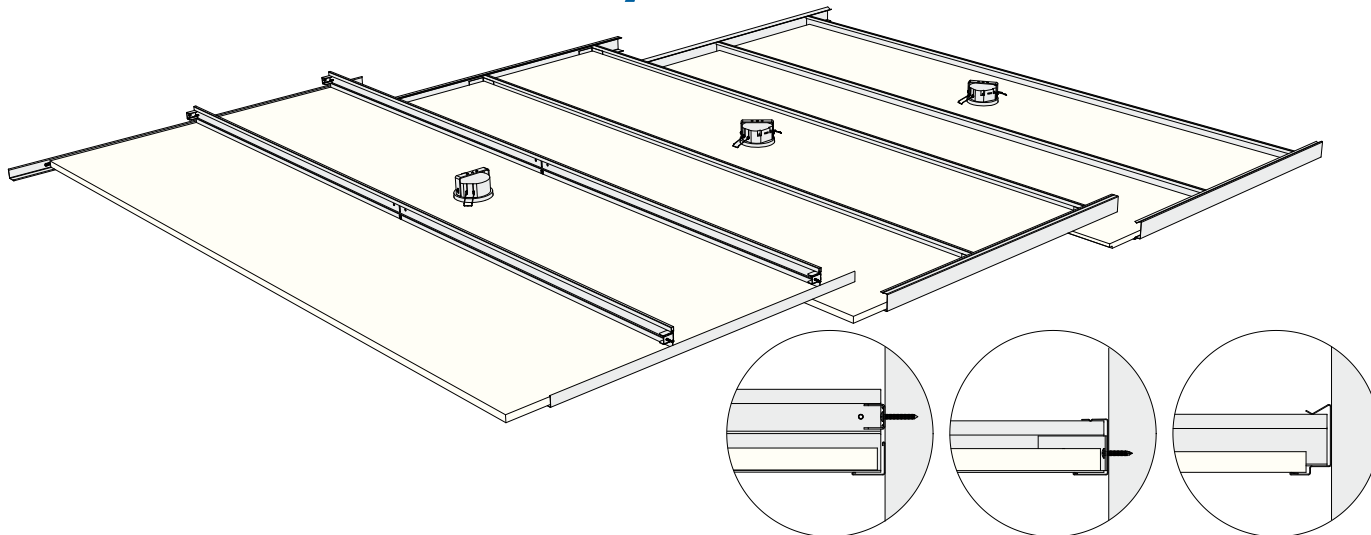


For Mitra wall angle inside and outside corners see page 32.

DIN lengths 625, 1250, 3750 and other lengths (see page 40) on demand.



QUICK-LOCK® Corridor systems • visible lay in panels



Component, dimensions in mm

Product Nr Description

Length
mm
Pack/
Qty
R- Mtr/
pack
Weight/
pack
Logistic
code

U-profile 38

41 41 822	Snow-white, inside height 37.5 mm	3000	18	54	17.4	B
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Clamp-in edge profile for corridors

41 33 900	Snow-white, 6 mm	3000	20	60	29	B
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Carrier Quick-Lock 24/38 TR straight end

See the product data sheet on page 55 for permissible panel sizes and loads

Lmin. = 1.000 mm Lmax. = 2.430 mm. Length = corridor width - 8 mm

41 08 205	Corridor carrier QL 24/38 TR	1230	40	49.2	18.1	B
41 08 210	Corridor carrier QL 24/38 TR	1830	20	36.6	13.6	B
41 08 220	Corridor carrier QL 24/38 TR	2430	20	48.6	17.8	B

Main beam Quick-Lock 24/60 HE snow-white straight end

**	Lmin = 1.000 mm Lmax. = 2.400 mm. Length = corridor width - 8 mm					C
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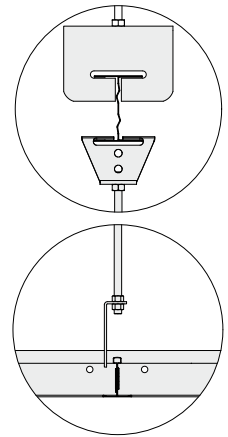
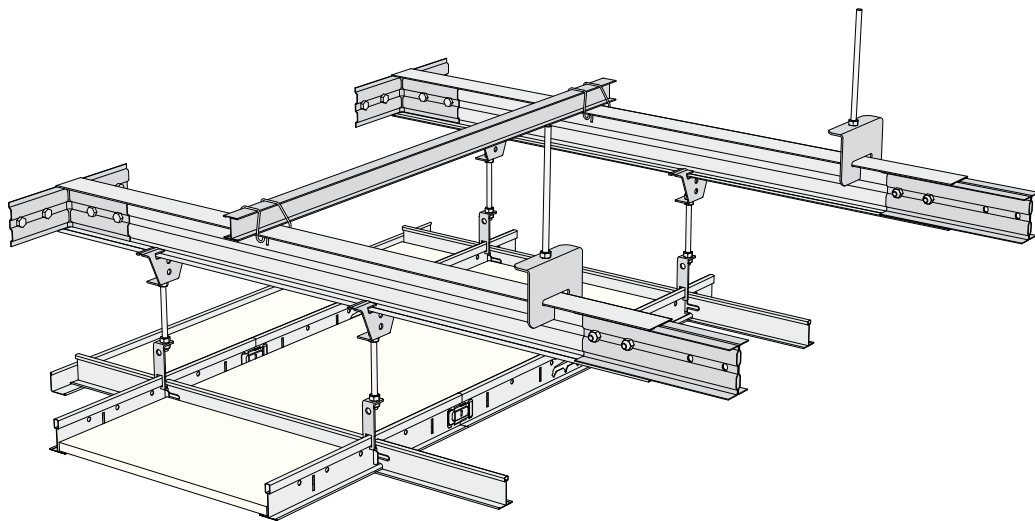
Wall bracket

**	Wall bracket for Quick-Lock for 24-60	200		2.3		C
40 00 013	Standard connector	100		2.5		A

Always consult your distributor for the correct choice of profiles.

** On demand.

QUICK-LOCK® primary carrier system



Component, dimensions in mm

Product Nr Description

Length
mm

Pack/
Qty

R- Mtr/
pack

Weight/
pack

Logistic
code

Primary carrier profiles

42 50 100	Profile D5219 h = 120 mm d = 1.2	6500	4	26	63.8	C
**	Profile D5253 h = 120 mm d = 1.0	5500	4	22	43.2	C
**	Profile D5220 h = 85 mm d = 1.0	5500	4	22	37.7	C
**	Profile D5242 h = 85 mm d = 0.6	5000	4	20	22.2	C
42 50 103	Profile D5226 h = 70 mm d = 0.6	5000	4	20	19.2	C
42 50 104	Profile D5198 h = 54 mm d = 0.6	5000	4	20	18.5	C

Lateral support beam

42 50 200	Lateral support beam D5140	4000	25	100	42	C
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Wall connectors (2 connectors each end)

42 50 300	Wall connector AC230 profile 120 mm	50			8.2	C
**	Wall connector AC231 profile 85 mm	50			6	C
42 50 302	Wall connector AC249 profile 70 mm	50			4.8	C
**	Wall connector AC247 profile 54 mm	50			2.7	C

Suspension components

42 50 401	Topflange bracket AC150 for M6 rod	50			5	C
42 50 402	Bottomflange bracket AC208 for M6 rod	100			4.9	C
42 50 403	Slide hanger for M6 rod	100			1.4	C
**	Bottomflange bracket AC252B for direct mainbeam suspension	100			6.9	C

Length connectors (2 per connection)

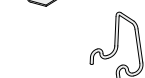
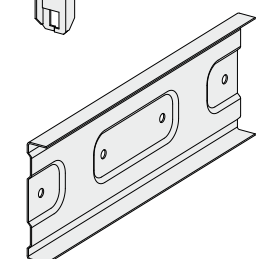
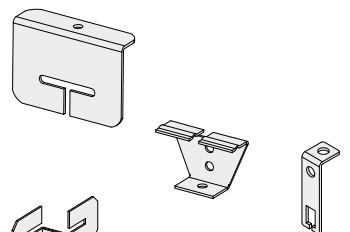
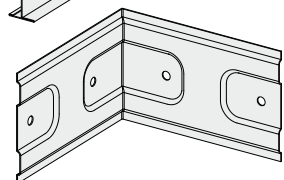
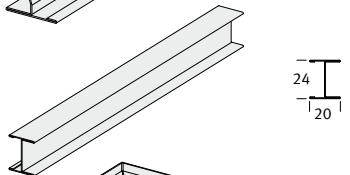
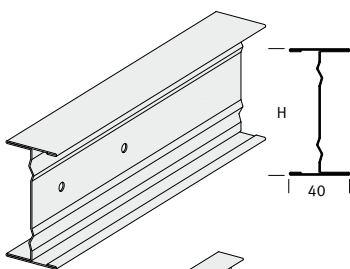
42 50 500	Length connector AC228 Profile 120 mm	50			14.3	C
**	Length connector AC229 Profile 85 mm	50			11.3	C
42 50 502	Length connector AC248 Profile 70 mm	50			6.9	C
42 50 504	Length connector AC246 Profile 54 mm	50			4.25	C

Bracket

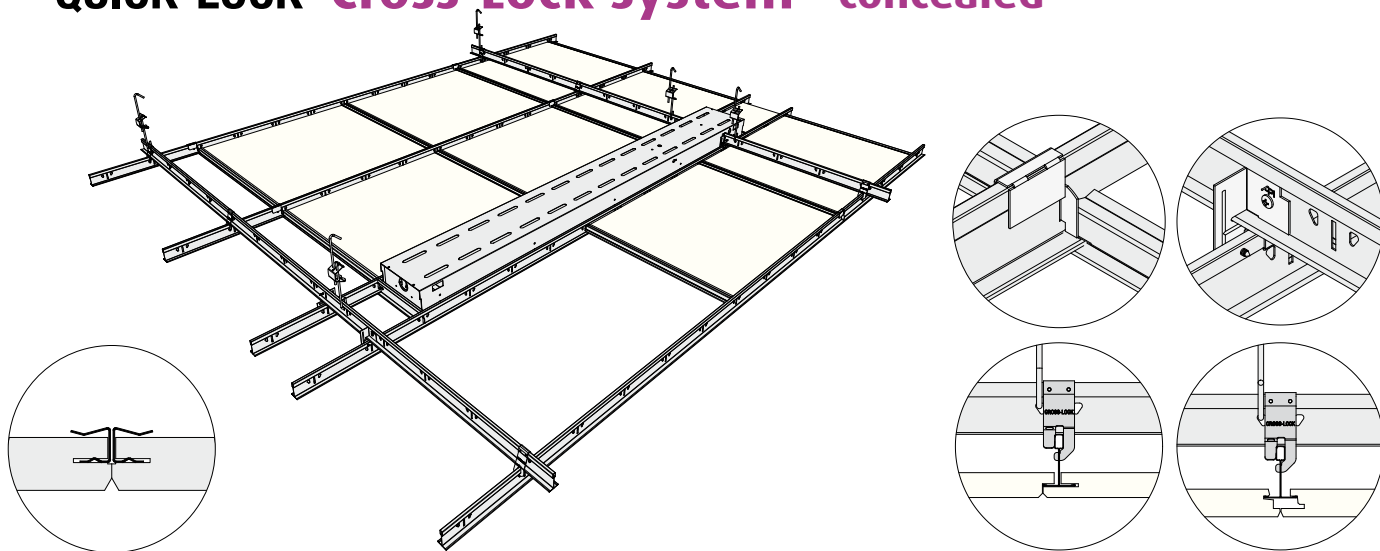
42 50 600	Bracket AC29 for lateral support beam fixation (2 per connection)	500			1.62	C
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** On demand.

For permissible loads and suspension distances see pages 56, 57.



QUICK-LOCK® Cross-Lock system • concealed



Component, dimensions in mm

Product Nr Description

Length
mm

Pack/
Qty

R- Mtr/
pack

Weight/
pack

Logistic
code

Carrier profiles, Quick-Lock 24

41 10 181	Unipro slots c.t.c. 150 mm	3600	20	72	24.5	A
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Cross-Lock connectors

42 07 005	Cross-Lock connector type GS	100			2.1	A
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Light fitting brackets

42 07 010	Light fitting bracket 10 mm	100			0.8	B
42 07 011	Light fitting bracket 14 mm	100			0.8	B
70 14 105	Screw for light fitting bracket	250			0.2	B

Panel edge profile

42 00 060	Panel edge profile H8-592	600	60	36	6.4	B
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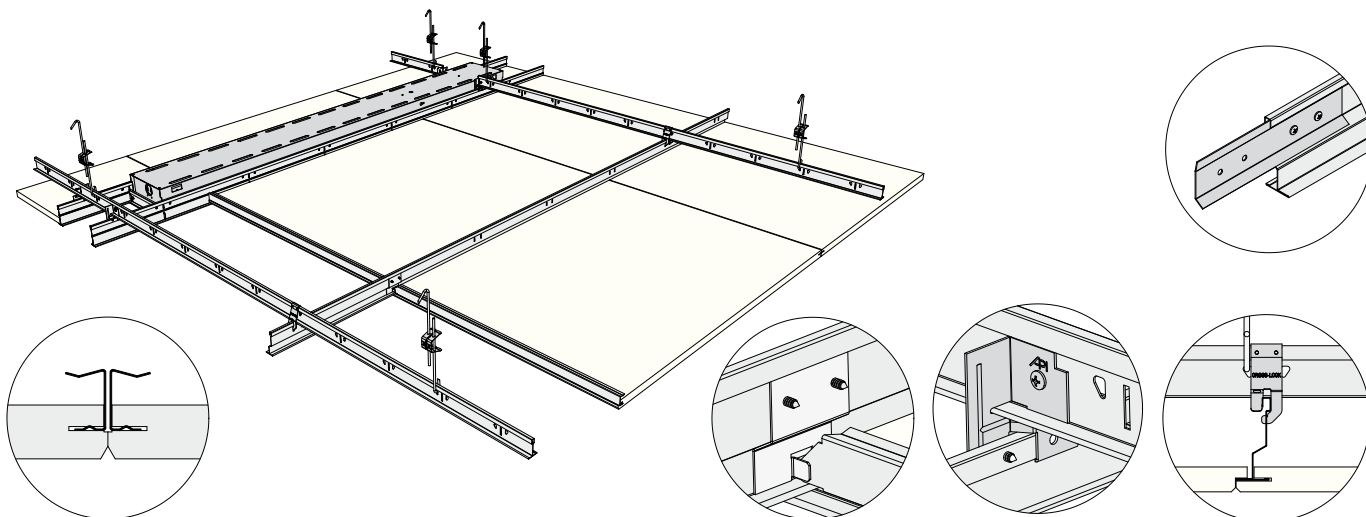
Wall angle, snow-white

41 33 301	24 x 24 mm	3000	30	90	18.2	A
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For Mitra wall angle inside and outside corners see page 32.

MITRA

QUICK-LOCK® Cross-Lock system • concealed XL large panels



Component, dimensions in mm

Product Nr Description

Length
mm

Pack/
Qty

R- Mtr/
pack

Weight/
pack

Logistic
code

Primary beam, Quick-LOCK 24

41 10 181	Unipro slots c.t.c. 150 mm	3600	20	72	24.5	A
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Secondary profiles

42 00 050	Stepped T-profile Cross-Lock slots 300 mm c.t.c.	3600	10	36	21	B
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41 24 180	Quick-LOCK 24-60 HE main beam slots 300 mm c.t.c.	3600	12	43.2	33	B
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Splice

42 00 150	Splice for stepped T-profile		50		2	B
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Cross-Lock connectors

42 07 005	Cross-Lock connector type GS		100		2.1	A
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Light fitting brackets

42 07 010	Light fitting bracket 10 mm		100		0.8	A
-----------	-----------------------------	--	-----	--	-----	---

42 07 011	Light fitting bracket 14 mm		100		0.8	A
-----------	-----------------------------	--	-----	--	-----	---

70 14 105	Screw for light fitting bracket		250		0.2	B
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Panel edge profile

42 00 060	Panel edge profile H8-592	600	60	36	6.4	B
-----------	---------------------------	-----	----	----	-----	---

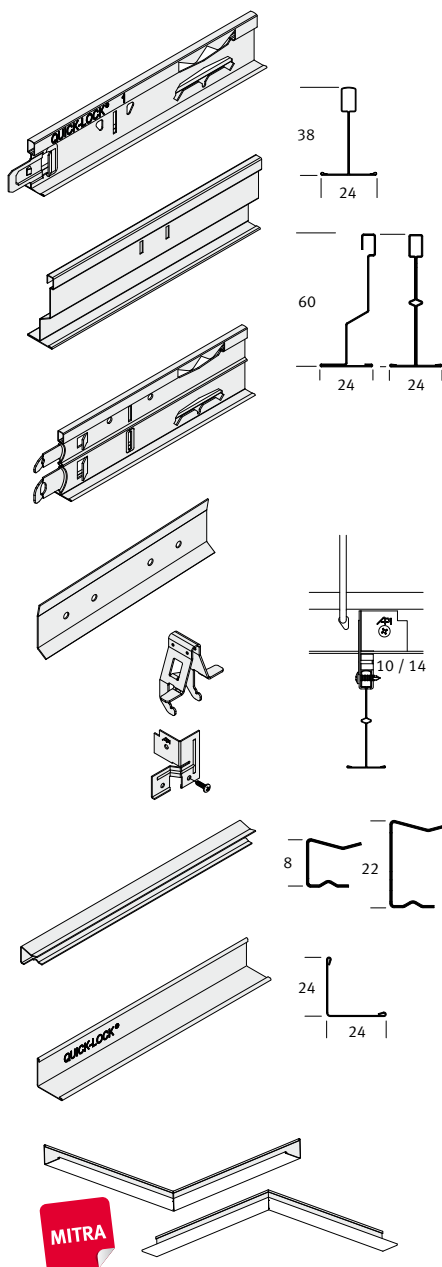
42 00 061	Panel edge profile H22-892	900	30	27	6.0	B
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42 00 065	Panel edge profile H22-1192	1200	30	36	8.1	B
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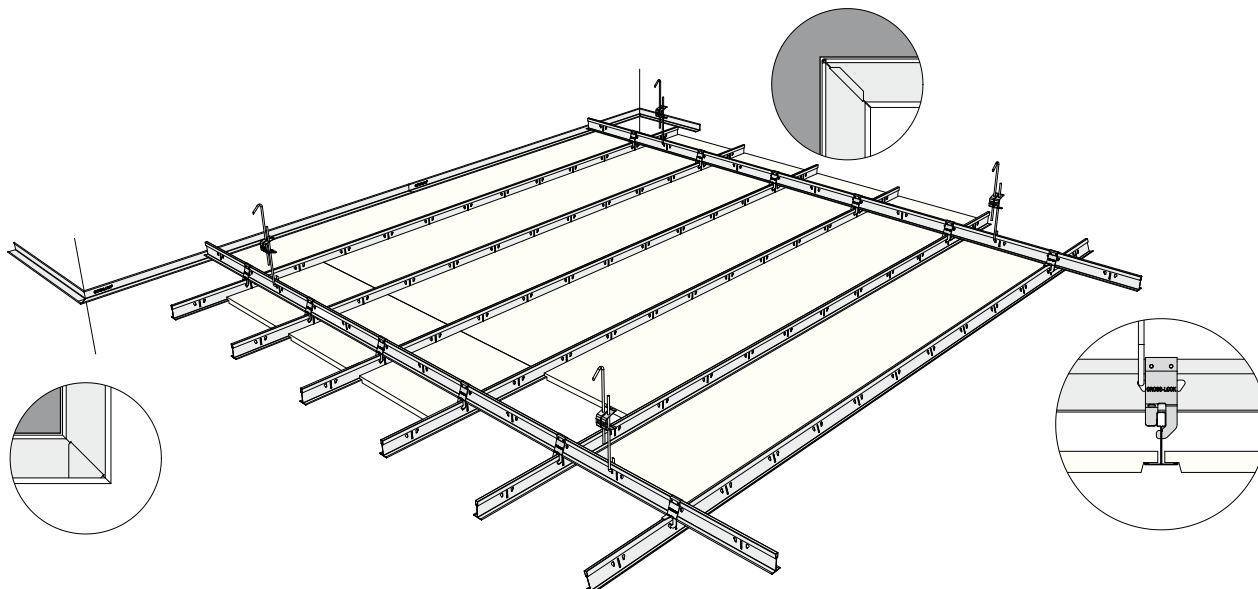
Wall angle, snow-white

41 33 301	24 x 24 mm	3000	30	90	18.2	A
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For Mitra wall angle inside and outside corners see page 32.



QUICK-LOCK® Cross-Lock system • semi-concealed



Component, dimensions in mm

Product Nr Description

Length
mm

Pack/
Qty

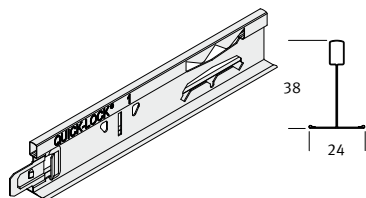
R- Mtr/
pack

Weight/
pack

Logistic
code

Carrier profiles, Quick-Lock 24*

41 10 181	Unipro slots c.t.c. 150 mm	3600	20	72	24.5	A
**	Primary beam, perforations distances in accordance panelwidth	3600	20	72	24.5	C



Carrier profiles, Quick-Lock 15*

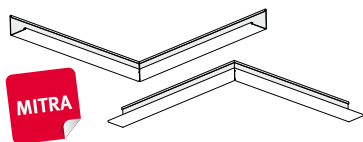
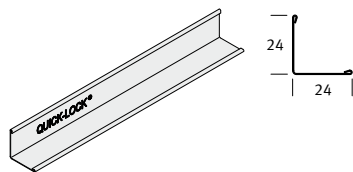
**	Secondary beam, Quick-Lock 15	3000	20	60	18.9	C
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Cross-Lock connectors

42 07 005	Cross-Lock connector type GS		100		2.1	A
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Wall angle, snow-white

41 33 301	24 x 24 mm	3000	30	90	18.2	A
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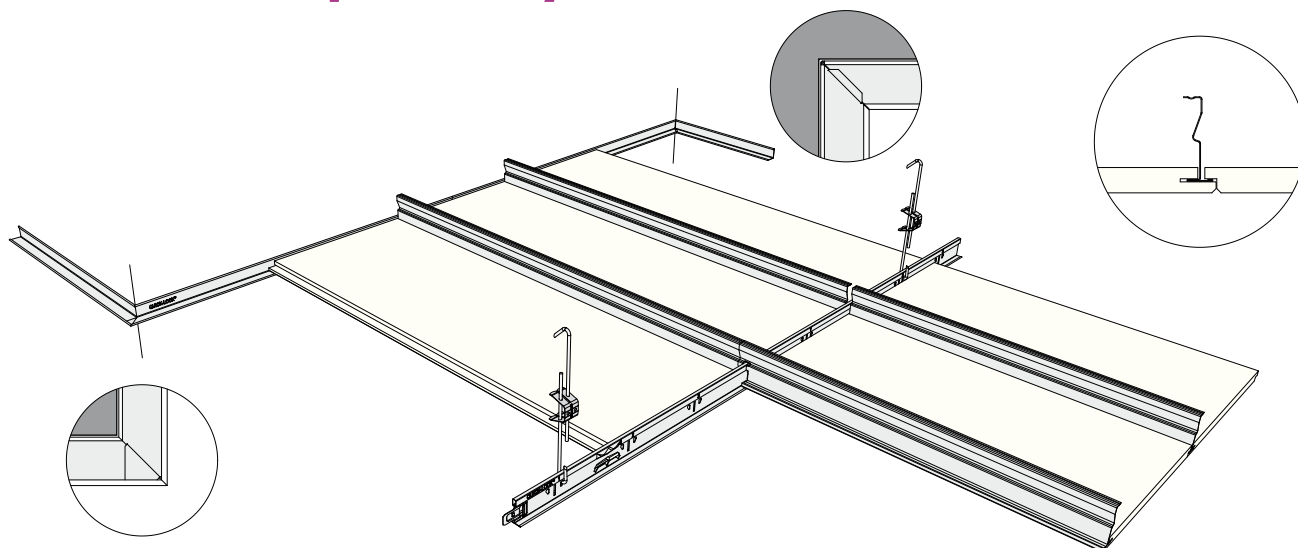
For Mitra wall angle inside and outside corners see page 32.

* Primary beam always Quick-Lock 24-38

Secondary beam Quick-Lock 24-38 or Quick-Lock 15-38 depending on the chosen panel

** On demand.

QUICK-LOCK® Z-profile system • semi-concealed



Component, dimensions in mm

Product Nr Description

Length
mm
Pack/
Qty
R- Mtr/
pack
Weight/
pack
Logistic
code

Main beam, Quick-Lock 24/38

41 10 181	Unipro slots c.t.c. 150 mm	3600	20	72	24.5	A
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Z-profile without hook*

41 00 611	H-45 mm module 1200	1190	25	29.75	8.5	B
41 00 612	H-45 mm module 1500	1490	25	37.25	10.5	B
41 00 614	H-45 mm module 1800	1790	25	44.75	12.7	A
41 00 645	H-60 mm module 2100	2090	25	52.25	26.2	B
41 00 667	H-70 mm module 2400	2390	10	23.9	12.8	B

Z-profile with hook*

41 00 724	H-45 mm module 1800 main beam	25	45	12.5	B
41 00 745	H-60 mm module 2100 main beam	25	52.25	26.5	C
41 00 767	H-70 mm module 2400 main beam	10	23.9	13.2	C

Wall angle, snow-white

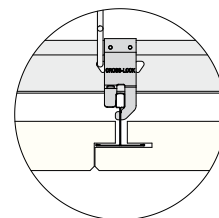
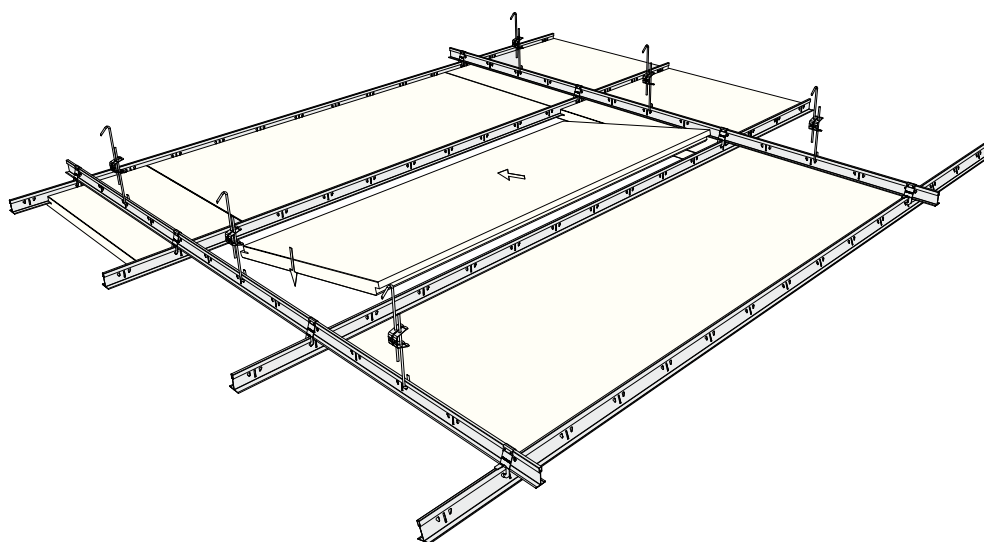
41 33 301	24 x 24 mm	3000	30	90	18.2	A
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For Mitra wall angle inside and outside corners see page 32.

* For other Z-profile lengths see page 41.

MITRA

QUICK-LOCK® Cross-Lock system • wood fiber panels concealed



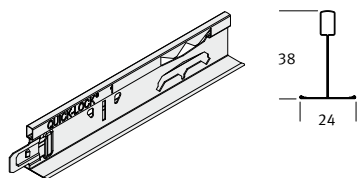
Component, dimensions in mm

Product Nr Description

Length
mm
Pack/
Qty
R- Mtr/
pack
Weight/
pack
Logistic
code

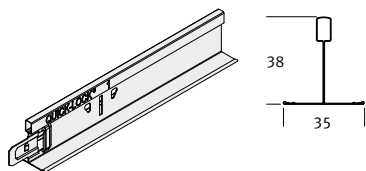
Primary beam, Quick-Lock 24/38

41 10 181	Unipro slots c.t.c. 150 mm	3600	20	72	24.5	A
**	Main beam, universal slots distance on demand (panel width)	3600	20	72	24.5	C



Secondary beam, Quick-Lock 35/38 snow-white

**	Main beam QL 35 with Insula slots routing 650/1100/1300/550 mm c.t.c.	3600	14	50,4	23	C
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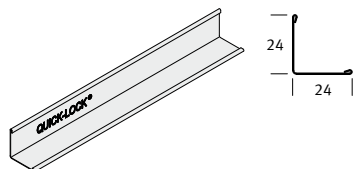
Cross-Lock connectors

42 07 005	Cross-Lock connector type GS		100		2.1	A
-----------	------------------------------	--	-----	--	-----	---



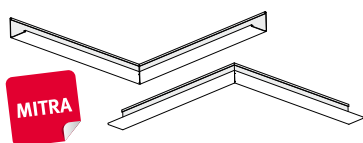
Wall angle, snow-white

41 33 301	24 x 24 mm	3000	30	90	18.2	A
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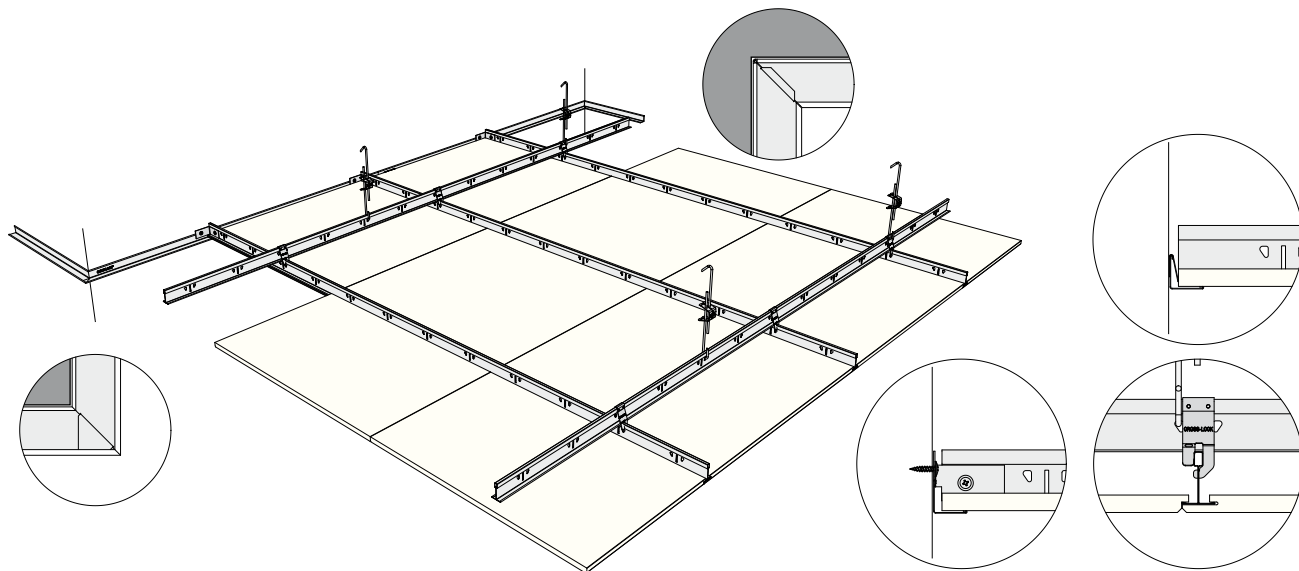


For Mitra wall angle inside and outside corners see page 32.

** On demand.



QUICK-LOCK® Cross-Lock Gyptone D2 system • concealed



Component, dimensions in mm

Product Nr Description

Length
mm
Pack/
Qty
R-Mtr/
pack
Weight/
pack
Logistic
code

Carrier profiles, Quick-Lock 24

41 10 181	Unipro slots c.t.c. 150 mm	3600	20	72	24.5	A
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Cross-Lock connectors

42 07 005	Cross-Lock connector type GS	100			2.1	A
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Wall spring Gyptone

42 06 525	Wall spring Gyptone panels	250			1	B
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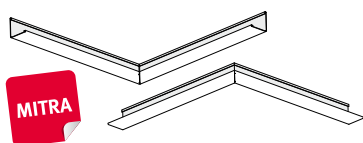
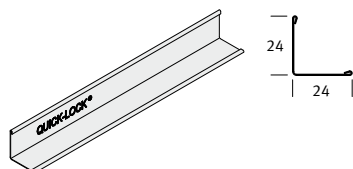
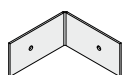
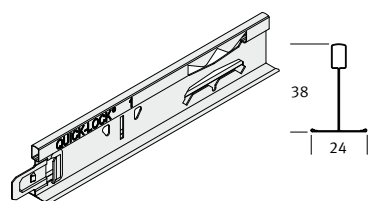
Wall bracket T-profile

40 00 013	Standard connector	100			2.5	A
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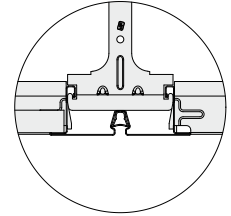
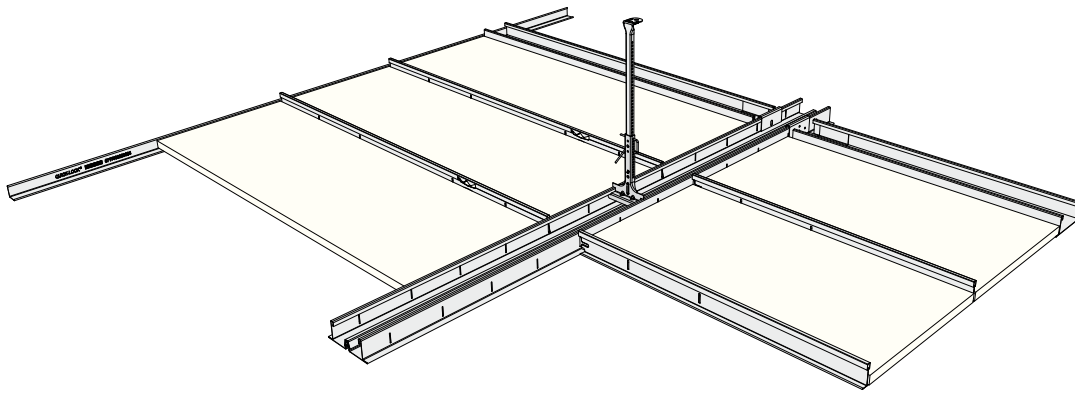
Wall angle, snow-white

41 33 301	24 x 24 mm	3000	30	90	18.2	A
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For Mitra wall angle inside and outside corners see page 32.



QUICK-LOCK® Omega Plus system • visible



Component, dimensions in mm

Product Nr Description

Length
mm

Pack/
Qty

R- Mtr/
pack

Weight/
pack

Logistic
code

Omega Plus with slots snow-white

41 31 531	Omega Plus* profile width 100 mm c.t.c. 100 mm slots	3600	8	28.8	30	B
41 31 533	Omega Plus* profile width 100 mm c.t.c. 100 mm slots	5400	4	21.6		B
41 31 035	Omega profile width 100 mm without slots	1700	4	6.8	8.5	A
41 31 435	Omega Plus* profile width 100 mm without slots	1700	4	6.8	8.5	B

* Infill strip standard RAL 7015 or snow-white,
other colors on demand.

Cross tees, Snow-white

41 10 118	QL 24/38 Cross tee for Omega	1724	40	68.96	24.3	A
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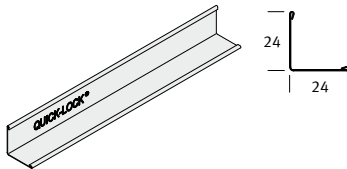
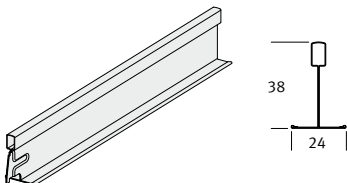
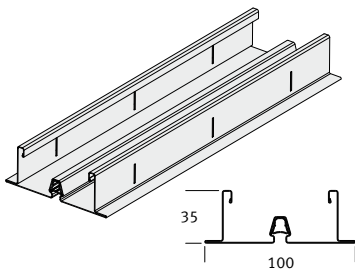
Wall angle, snow-white

41 33 301	24 x 24 mm	3000	30	90	18.2	A
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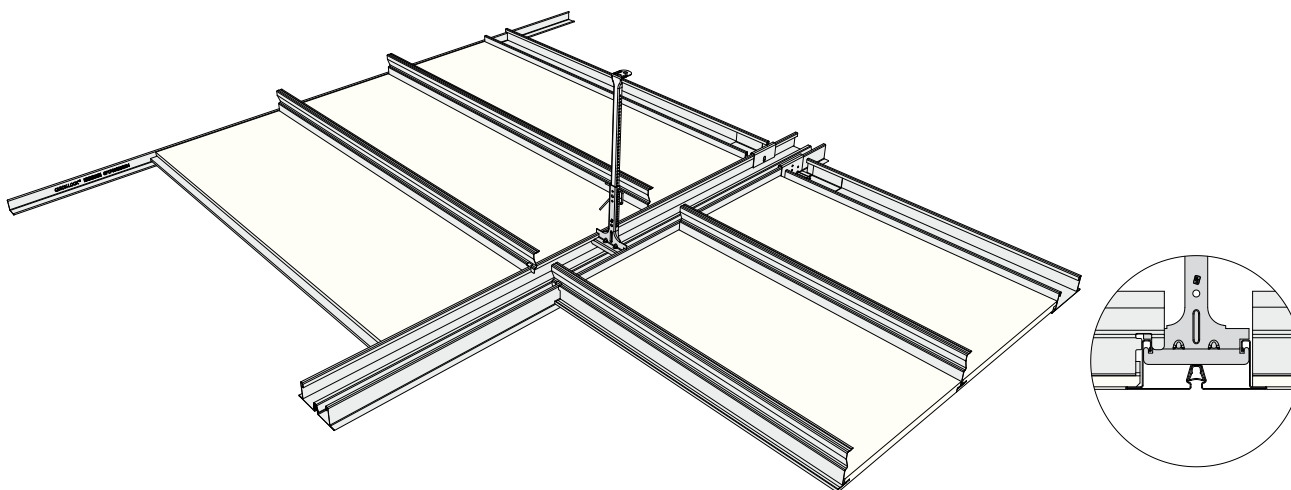
Omega Plus connectors see page 26.

Always indicate module and width of the Omega.

Other lengths and slots on demand, see page 41.



QUICK-LOCK® Omega Plus system • semi-concealed



Component, dimensions in mm

Product Nr Description

Length
mm
Pack/
Qty
R- Mtr/
pack
Weight/
pack
Logistic
code

Omega Plus, snow-white

41 31 431	Omega Plus* profile width 100 mm without slots	3600	8	28.8		B
41 31 433	Omega Plus* profile width 100 mm without slots	5400	4	21.6		B
41 31 035	Omega profile width 100 mm without slots	1700	4	6.8	8.5	A
41 31 435	Omega Plus* profile width 100 mm without slots	1700	4	6.8	8.5	B

* Infill strip standard RAL 7015 or snow-white,
other colors on demand.

Z-profile without hook

41 00 613	H-45 mm for module 1800/Om 100	1720	25	43	18.7	A
41 00 645	H-60 mm	2090	25	52.25	26.2	B
41 00 667	H-70 mm	2390	10	23.9	12.8	B

Z-profile with hook

41 00 723	H-45 mm for module 1800/Om 100	1724	25	43.1	12.5	B
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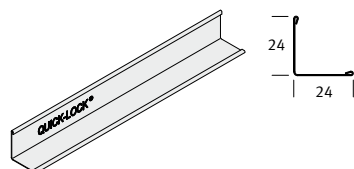
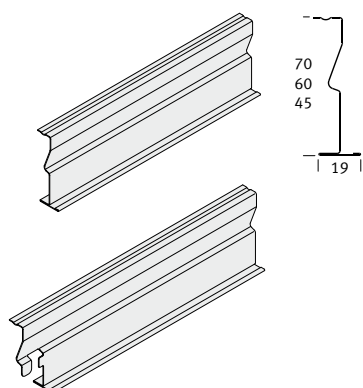
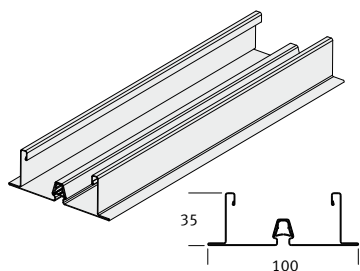
Wall angle, snow-white

41 33 301	24 x 24 mm	3000	30	90	18.2	A
-----------	------------	------	----	----	------	---

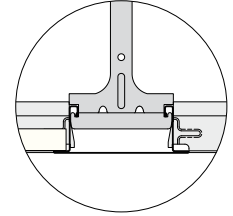
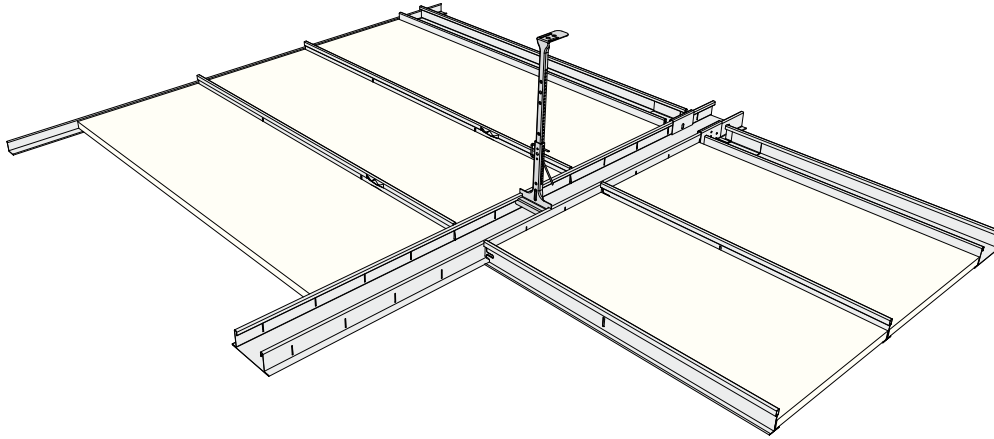
Omega Plus connectors see page 26.

Always indicate module and width of the Omega.

Other lengths and slots on demand, see page 41.



QUICK-LOCK® Omega system • visible



Component, dimensions in mm

Product Nr Description

Length
mm

Pack/
Qty

R- Mtr/
pack

Weight/
pack

Logistic
code

Omega profile with slots snow-white*

41 31 116	Width 50 mm slots c.t.c. 100 mm	3600	8	28.8	25	B
**	Width 75 mm slots c.t.c. 100 mm	3600	8	28.8	26.3	C
41 31 131	Width 100 mm slots c.t.c. 100 mm	3600	8	28.8	30.2	A
41 31 133	Width 100 mm slots c.t.c. 100 mm	5400	4	21.6	22.4	A
41 31 132	Width 100 mm slots c.t.c. 300 mm	3600	8	28.8	30.2	A
41 31 135	Width 100 mm slots c.t.c. 300 mm	5400	4	21.6	22.4	B
41 31 035	Width 100 mm without slots	1700	4	6.8	8.5	A
**	Width 125 mm slots c.t.c. 100 mm	3600	4	14.4	18	C
41 31 151	Width 150 mm slots c.t.c. 100 mm	3600	4	14.4	19.5	B

Omega with slots snow-white ultra matt

41 34 131	Width 100 mm slots c.t.c. 100 mm	3600	8	28.8	30.2	C
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Omega with slots RAL 9010*

41 31 731	Width 100 mm slots c.t.c. 100 mm	3600	8	28.8	30.2	C
-----------	----------------------------------	------	---	------	------	---

Omega, with slots RAL 9006*

41 31 631	Width 100 mm slots c.t.c. 100 mm	3600	8	28.8	30.2	B
-----------	----------------------------------	------	---	------	------	---

Cross tee for Omega , snow-white* 24/38 mm

41 10 118	For Omega 100 mm module 1800 mm	1724	40	68.96	24.3	A
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Cross tee for Omega , snow-white ultra matt 24/38 mm

**	For Omega 100 mm module 1800 mm	1724	40	68.96	24.3	C
----	---------------------------------	------	----	-------	------	---

Cross tee for Omega, RAL 9010 24/38 mm*

41 10 716	For Omega 100 mm module 1800 mm	1724	40	68.96	24.3	C
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Cross tee for Omega, RAL 9006 24/38 mm*

41 11 716	For Omega 100 module 1800 mm	1724	40	68.96	24.3	B
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Wall angles*

41 33 301	24 x 24 mm, snow-white	3000	30	90	18.2	A
41 33 119	19 x 24 mm, snow-white ultra matt	3000	30	90	16.2	B
41 33 306	24 x 24 mm, RAL 9010	3000	30	90	18.2	A
41 33 111	19 x 24 mm, RAL 9006	3000	30	90	18.2	A

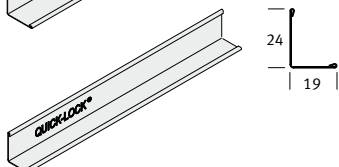
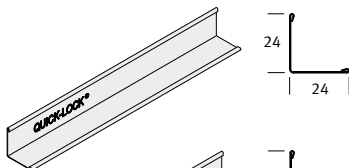
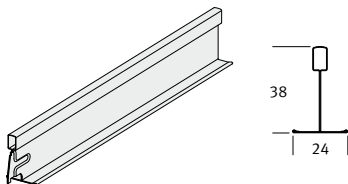
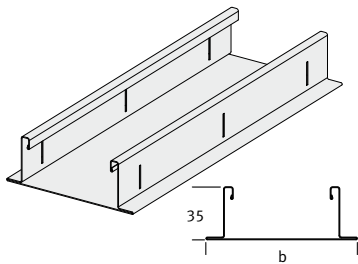
Omega connectors see page 26.

Always indicate module and width of the Omega.

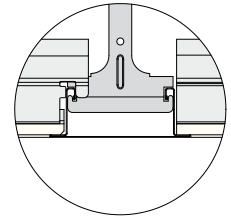
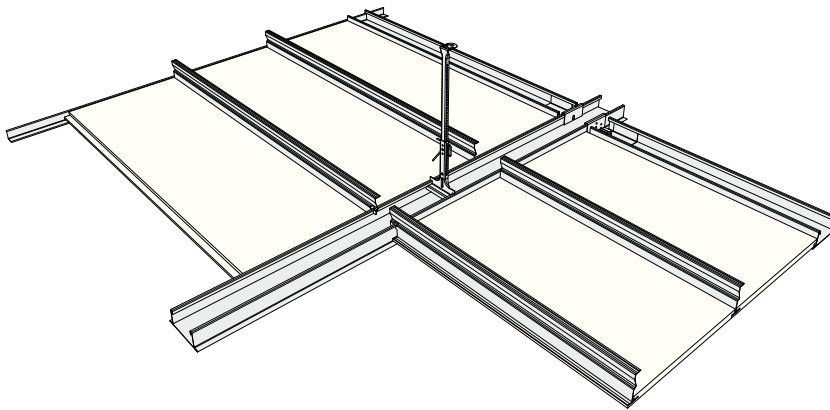
Other lengths and slots on demand, see page 41.

* Minor deviations to the RAL standard can not be excluded.

** On demand.



QUICK-LOCK® Omega system • semi-concealed



Component, dimensions in mm

Product Nr Description

Length
mm
Pack/
Qty
R- Mtr/
pack
Weight/
pack
Logistic
code

Omega, snow-white

41 31 016	Width 50 mm without slots	3600	8	28.8	25	B
**	Width 75 mm without slots	3600	8	28.8	26.3	C
41 31 031	Width 100 mm without slots	3600	8	28.8	30.2	A
41 31 035	Width 100 mm without slots	1700	4	6.8	8.5	A
41 31 033	Width 100 mm without slots	5400	4	21.6	22.4	B
**	Width 125 mm without slots	3600	4	14.4	18	C
41 31 051	Width 150 mm without slots	3600	4	14.4	19.5	B

Omega, snow-white ultra matt

**	Width 100 mm without slots	3600	8	28.8	30.2	C
----	----------------------------	------	---	------	------	---

Omega, RAL 9010*

41 30 731	Width 100 mm without slots	3600	8	28.8	30.2	B
-----------	----------------------------	------	---	------	------	---

Omega, RAL 9006*

41 30 631	Width 100 mm without slots	3600	8	28.8	30.2	B
-----------	----------------------------	------	---	------	------	---

Z-profile without hook

41 00 613	H-45 mm for module 1800/Om 100	1720	25	43	18.7	A
41 00 645	H-60 mm	2090	25	52.25	26.2	B
41 00 667	H-70 mm	2390	10	23.9	12.8	B

Z-profile with hook

41 00 723	H-45 mm for module 1800/Om 100	1724	25	43.1	12.5	B
-----------	--------------------------------	------	----	------	------	---

Wall angles*

41 33 301	24 x 24 mm, snow-white	3000	30	90	18.2	A
41 33 119	19 x 24 mm, snow-white ultra matt	3000	30	90	16.2	B
41 33 306	24 x 24 mm, RAL 9010	3000	30	90	18.2	A
41 33 111	19 x 24 mm, RAL 9006	3000	30	90	18.2	A

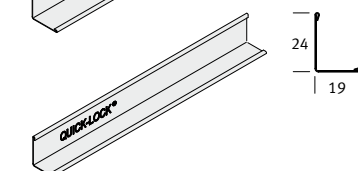
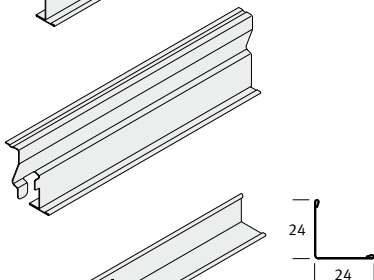
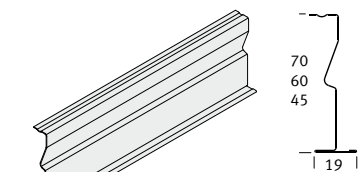
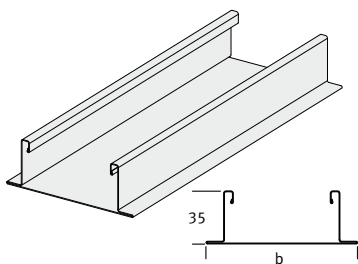
Omega connectors see page 26.

Always indicate module and width of the Omega.

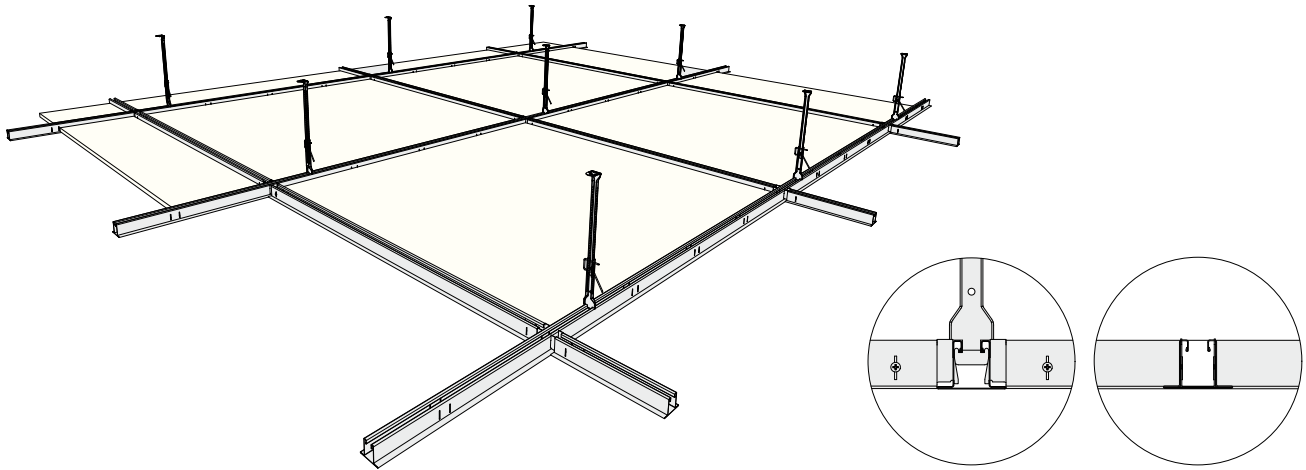
Other lengths and slots on demand, see page 41.

* Minor deviations to the RAL standard can not be excluded.

** On demand.



QUICK-LOCK® Omega XL 50 system • large panels



Component, dimensions in mm

Product Nr Description

Length
mm
Pack/
Qty
R- Mtr/
pack
Weight/
pack
Logistic
code

Omega carrier snow-white

**	Width 50 mm XL perforations c.t.c. 300 mm	3600	8	28.8	25	C
----	--	------	---	------	----	---

Omega cross-profile snow-white

**	Width 50 mm XL, endslots	1200	8	9.2	10.9	C
----	--------------------------	------	---	-----	------	---

Cross connectors

42 00 600	For Omega XL 50 mm		25		2.5	B
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Cornerconnector

40 00 170	For Omega 50 mm		4		3.5	B
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Omega splice

42 00 570	For Omega 50 mm	230	25		3	B
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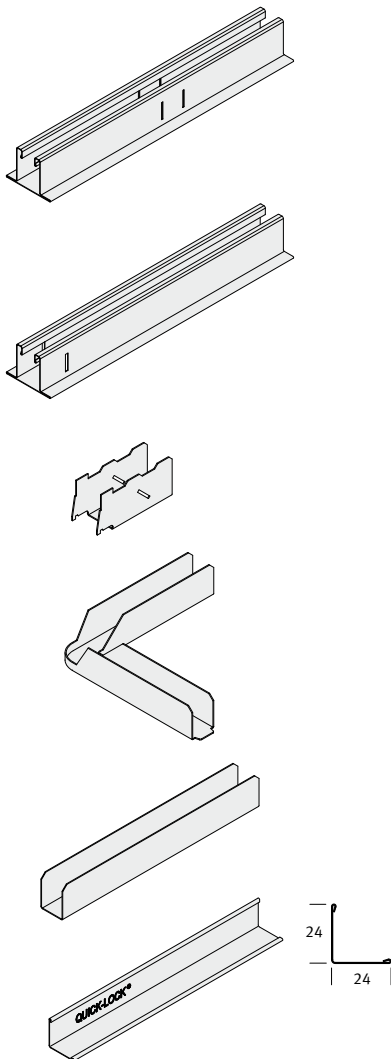
Wall angle, snow-white

41 33 301	24 x 24 mm	3000	30	90	18.2	A
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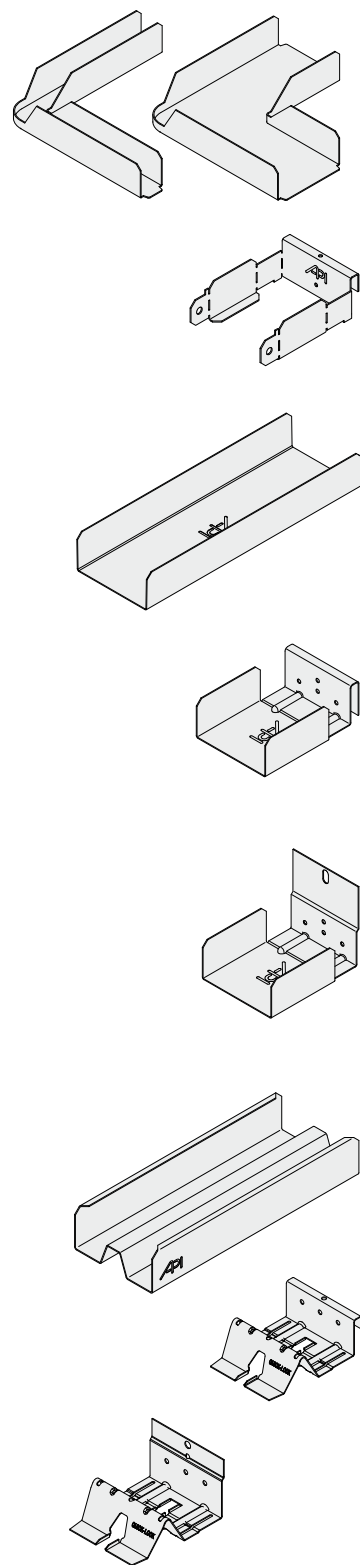
Omega other connectors see page 26.

Other lengths and slots on demand, see page 41.

** On demand.



QUICK-LOCK® Omega • connectors



Product Nr Description

Length
mm

Pack/
Qty

R- Mtr/
pack

Weight/
pack

Logistic
code

Corner connector 90°

40 00 160	For Omega 100 mm	8	2.5	A
40 00 170	For Omega 50 mm	4	1.5	A

Adjustable cross connector

40 00 211	For Omega 100 mm Range 45° - 135° for Omega Plus	25	2	C
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Omega splice

42 00 570	For Omega 50 mm	230	25	3	B
42 00 571	For Omega 75 mm	230	25	4.4	C
42 00 572	For Omega 100 mm	230	25	5.3	A
42 00 573	For Omega 125 mm	230	25	6.2	C
42 00 574	For Omega 150 mm	230	25	7	B

Cross connector

42 00 500	For Omega 50 mm	25	1.3	B
42 00 501	For Omega 75 mm	25	2	C
42 00 502	For Omega 100 mm	25	2.6	A
42 00 503	For Omega 125 mm	25	3.5	C
42 00 504	For Omega 150 mm	25	4.2	B

Wall connector

42 00 550	For Omega 50 mm	25	1.3	B
42 00 551	For Omega 75 mm	25	2	C
42 00 552	For Omega 100 mm	25	2.6	A
42 00 553	For Omega 125 mm	25	3.5	C
42 00 554	For Omega 150 mm	25	4.2	B

Omega Plus splice

42 00 672	For Omega Plus 100 mm	200	25	5.4	A
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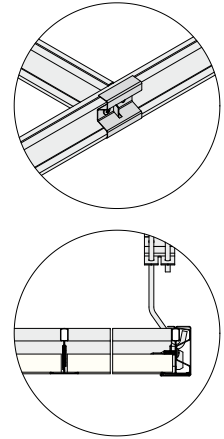
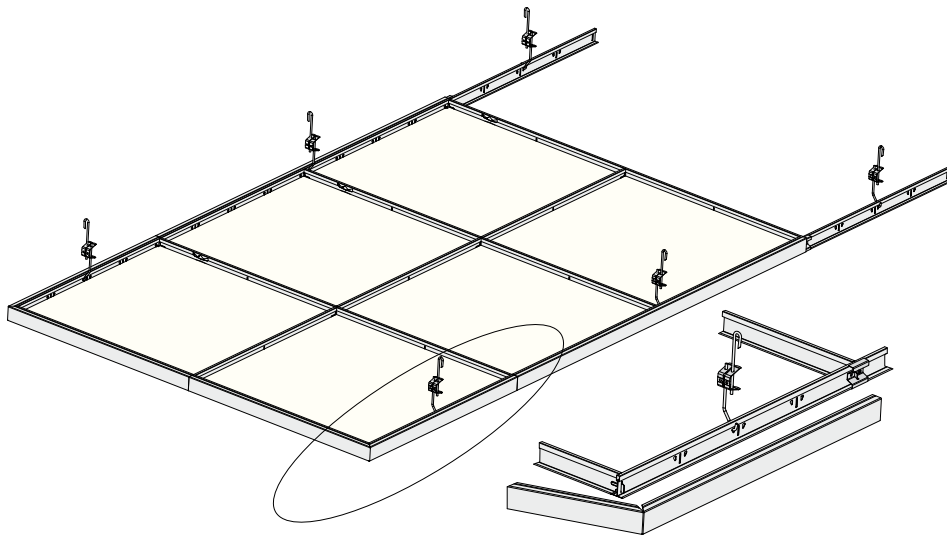
Omega Plus cross connector

42 00 602	For Omega Plus 100 mm	25	2.5	A
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Omega Plus wall connector

42 00 652	For Omega Plus 100 mm	25	2.5	A
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QUICK-LOCK® Insula 38 • visible



Component, dimensions in mm

Product Nr Description

Length
mm

Pack/
Qty

R- Mtr/
pack

Weight/
pack

Logistic
code

Edges Insula 38 snow-white

41 41 822	Edge profile U-38	3000	18	54	17.4	B
41 61 025	Edge profile U-38	1200	18	21.5	9	A
41 61 030	Corner U-38 600 (2 x 612,5 mm)	1225	18	22	9.2	A

* Insula carrier universal (primary & secondary)

41 15 003	Insula carrier se	1221	12	14.7	6	B
41 15 004	Insula carrier se	1821	12	21.9	8.95	B
41 15 006	Insula carrier se	2421	12	29.1	10.92	B
41 15 008	Insula carrier se	3021	12	36.3	13.44	B
41 15 009	Insula carrier se	3621	12	43.5	14.76	B

Cross tee Quick-LOCK 24/38 snow-white

41 10 111	Perforation 300 mm c.t.c.	600	60	36	12.5	A
41 50 111	Perforation 300 mm c.t.c.	600	20	12	4	B
41 10 113	Perforation 300 mm c.t.c.	1200	60	54	24.5	A

For other cross tees see page 5 and further.

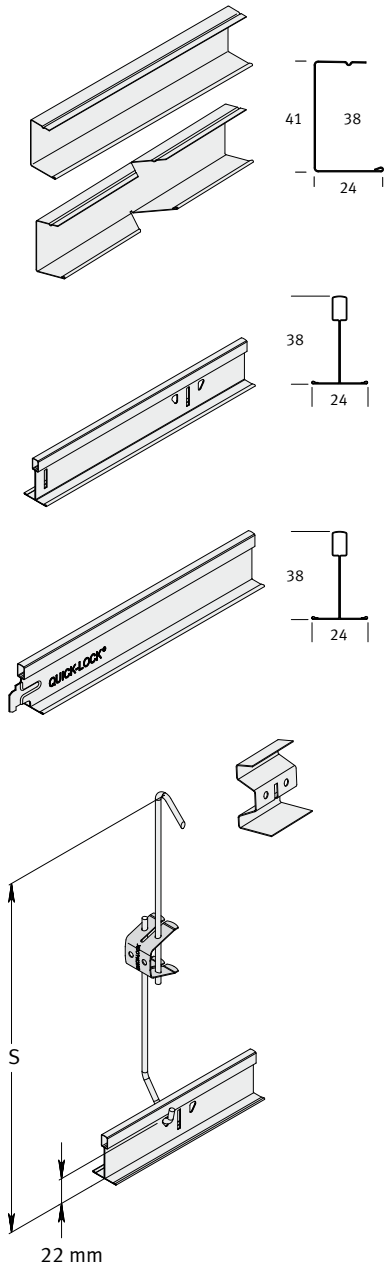
Connector

42 06 010	Connector U-38	50		0.7		B
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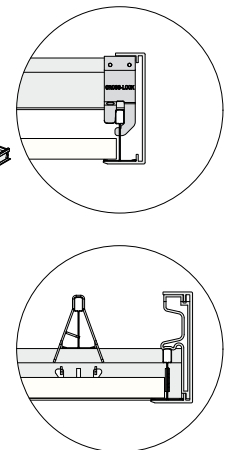
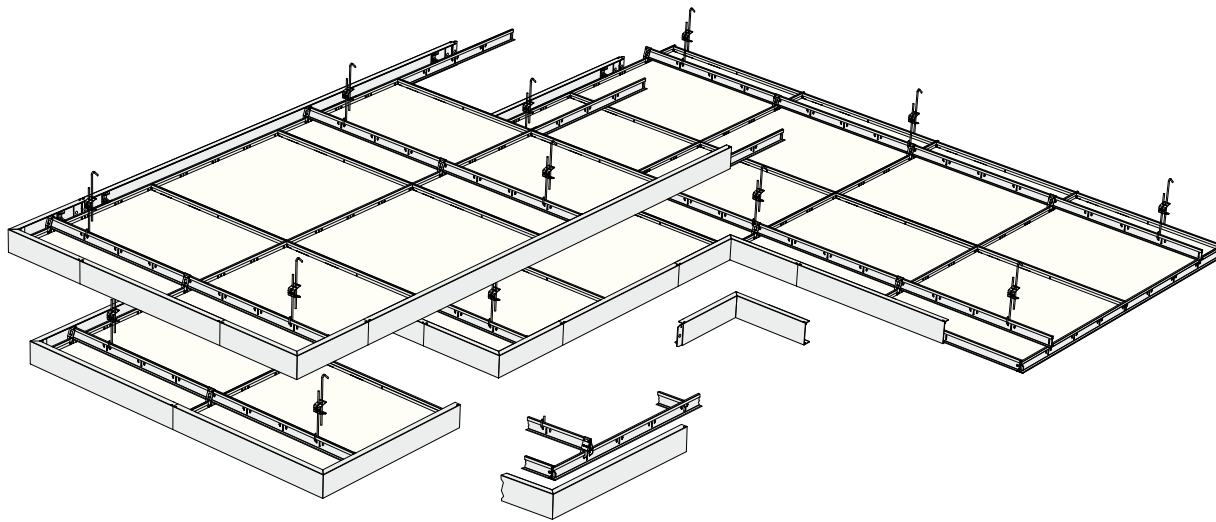
Quick suspenders Insula 38

42 04 374	Insula 38 reach 340-600 mm	100		8		B
42 04 376	Insula 38 reach 530-990 mm	100		12		B

* For ceiling islands larger than 3600mm the carriers can be produced on-size on demand. It is also possible to cut primary and secondary beams out of standard QL 24-38 Unipro mainbeams. Instruction drawings are available on demand. See also page 45.



QUICK-LOCK® Insula 76A • visible



Component, dimensions in mm

Product Nr Description

Length
mm

Pack/
Qty

R- Mtr/
pack

Weight/
pack

Logistic
code

Edges Insula 76A snow-white

42 60 401	Edge profile U-76A	600	4	2.4	1.9	B
42 60 404	Edge profile U-76A	1200	4	4.8	3.8	B
42 60 407	Edge profile U-76A	1800	4	7.2	5.7	B
42 60 410	Edge profile U-76A	2400	4	9.6	7.6	B
**	Inside corner profile U-76A 300 (2 x 318,6 mm)	4	4.8	3.6	C	
42 60 460	Outside corner profile U-76A 600 (2 x 618,6 mm)	4	4.8	5.4	B	
42 60 465	Outside corner profile U-76A 300 (2 x 293,6 mm)	4	2.4	3.3	B	
41 60 010	Insula A Edge clips & accessories (2 edge clips per edge, corner)	25		0.3	B	

* Insula carrier universal (primary & secondary)

41 15 003	Insula carrier se	1221	12	14.7	6	B
41 15 004	Insula carrier se	1821	12	21.9	8.95	B
41 15 006	Insula carrier se	2421	12	29.1	10.92	B
41 15 008	Insula carrier se	3021	12	36.3	13.44	B
41 15 009	Insula carrier se	3621	12	43.5	14.76	B

Cross tee, snow-white

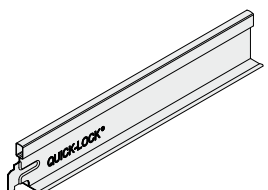
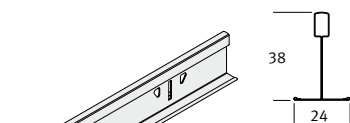
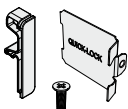
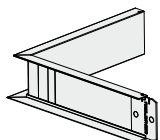
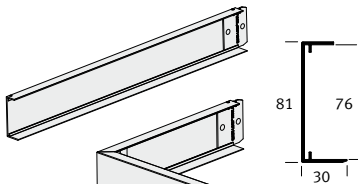
41 10 111	Perforation 300 mm c.t.c.	600	60	36	12.5	A
41 50 111	Perforation 300 mm c.t.c.	600	20	12	4	B

Cross-Lock connectors

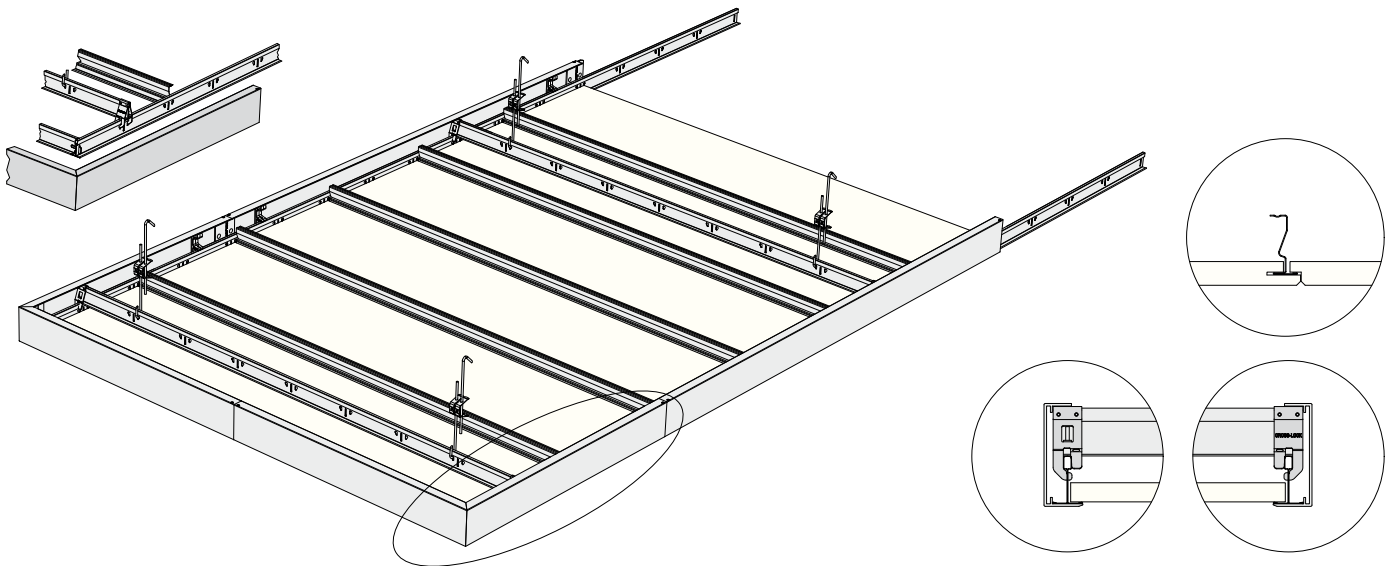
42 07 005	Cross-Lock connector type GS	100	2.1	A
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* For ceiling islands larger than 3600mm the carriers can be produced on-size on demand. It is also possible to cut primary and secondary beams out of standard QL 24-38 Unipro mainbeams. Instruction drawings are available on demand. See also page 45.

** On demand.



QUICK-LOCK® Insula 76A • semi-concealed*



Component, dimensions in mm

Product Nr Description

Length
mm

Pack/
Qty

R- Mtr/
pack

Weight/
pack

Logistic
code

Edges Insula 76A snow-white

42 60 401	Edge profile U-76A	600	4	2.4	1.9	B
42 60 404	Edge profile U-76A	1200	4	4.8	3.8	B
42 60 407	Edge profile U-76A	1800	4	7.2	5.7	B
42 60 410	Edge profile U-76A	2400	4	9.6	7.6	B
42 60 460	Outside corner profile U-76A 600 (2 x 618,6 mm)	4	4,8	5.4		B
41 60 010	Insula A Edge clips & accessories (2 edge clips per edge, corner)		25		0.3	B

** Insula carrier universal (primary & secondary)

41 15 003	Insula carrier se	1221	12	14.7	6	B
41 15 004	Insula carrier se	1821	12	21.9	8.95	B
41 15 006	Insula carrier se	2421	12	29.1	10.92	B
41 15 008	Insula carrier se	3021	12	36.3	13.44	B
41 15 009	Insula carrier se	3621	12	43.5	14.76	B

Z-profile without hook

**	H-45 mm length on demand (L=1000-1800 mm) See page 41					C
**	Cross tee Quick-Lock 24/38 (in the island edges)					C

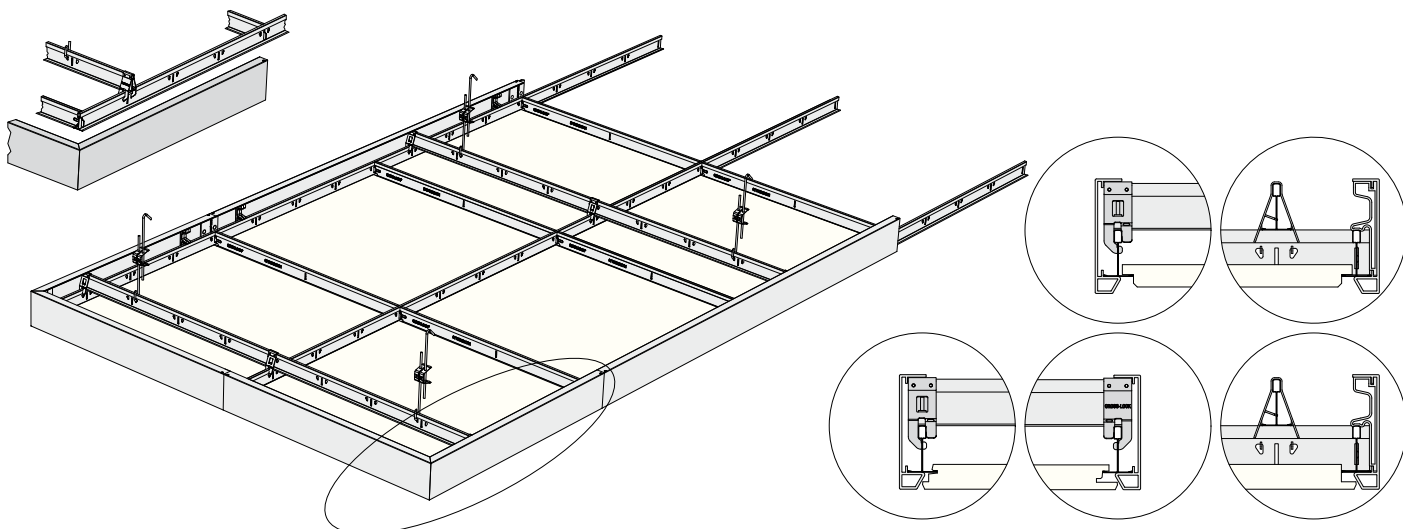
Cross-Lock connectors

42 07 005	Cross-Lock connector type GS	100		2.1	A
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* Max. width 1825 mm - for wider islands an intermediate secondary carrier needs to be added.

** For ceiling islands larger than 3600mm the carriers can be produced on-size on demand. It is also possible to cut primary and secondary beams out of standard QL 24-38 Unipro mainbeams. Instruction drawings are available on demand. See also page 45.

QUICK-LOCK® Insula 91A • concealed and tegular



Component, dimensions in mm

Product Nr Description

Length
mm

Pack/
Qty

R- Mtr/
pack

Weight/
pack

Logistic
code

Edges Insula 91A snow-white

42 60 301	Edge profile U-91A	600	4	2.4	2.0	B
42 60 304	Edge profile U-91A	1200	4	4.8	4.3	B
42 60 307	Edge profile U-91A	1800	4	7.2	6.3	B
42 60 310	Edge profile U-91A	2400	4	9.6	8.3	C
42 60 350	Corner U-91A Type A 600 (2 x 618,6 mm)	4	4.8	5.7		B
41 60 010	Insula A Edge clips & accessories (2 edge clips per edge, corner)	25		0.3		B

* Insula carrier universal (primary & secondary)

41 15 003	Insula carrier se	1221	12	14.7	6	B
41 15 004	Insula carrier se	1821	12	21.9	8.95	B
41 15 006	Insula carrier se	2421	12	29.1	10.92	B
41 15 008	Insula carrier se	3021	12	36.3	13.44	B
41 15 009	Insula carrier se	3621	12	43.5	14.76	B

Cross tee, snow-white

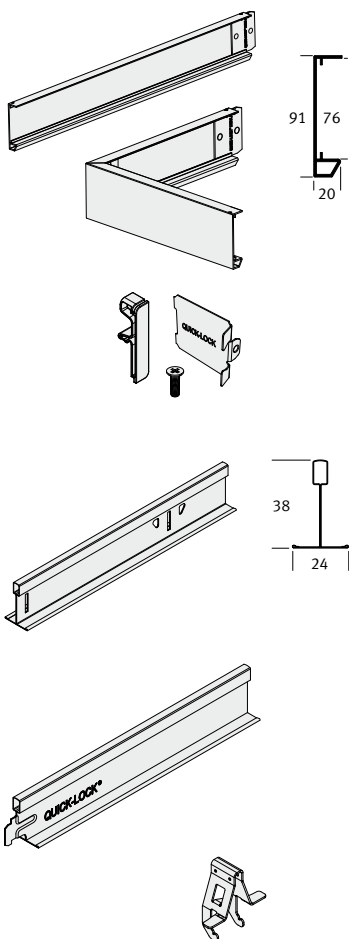
41 10 111	Perforation 300 mm c.t.c.	600	60	36	12.5	A
41 50 111	Perforation 300 mm c.t.c.	600	20	12	4	B

Cross-Lock connectors

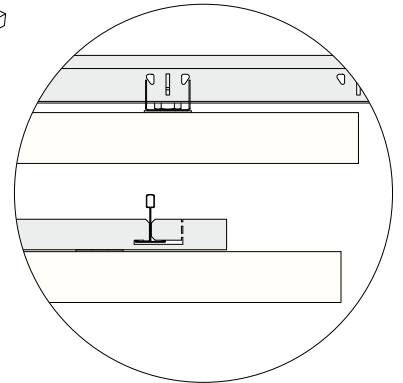
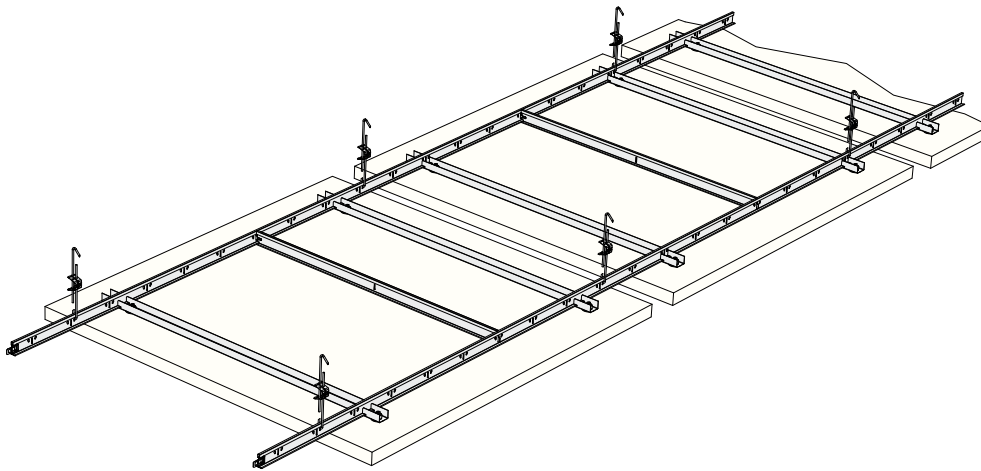
42 07 005	Cross-Lock connector type GS	100	2.1	A
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* For ceiling islands larger than 3600mm the carriers can be produced on-size on demand. It is also possible to cut primary and secondary beams out of standard QL 24-38 Unipro mainbeams. Instruction drawings are available on demand. See also page 45.

** On demand.



QUICK-LOCK® Insula PS



Component, dimensions in mm

Product Nr Description

Length
mm

Pack/
Qty

R- Mtr/
pack

Weight/
pack

Logistic
code

Mounting profiles*

42 06 050	Insula PS mounting profile 900 mm (for panel width 1200)	1020	10	10.2	5	C
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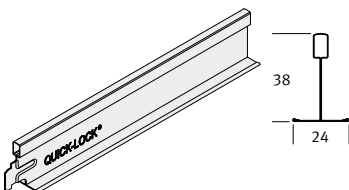
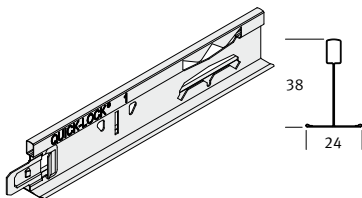
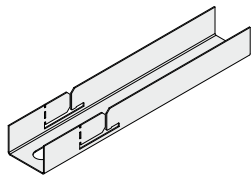
Main beam, black ultra matt

41 11 681	Slots c.t.c. 150 mm	3600	20	72	24.5	B
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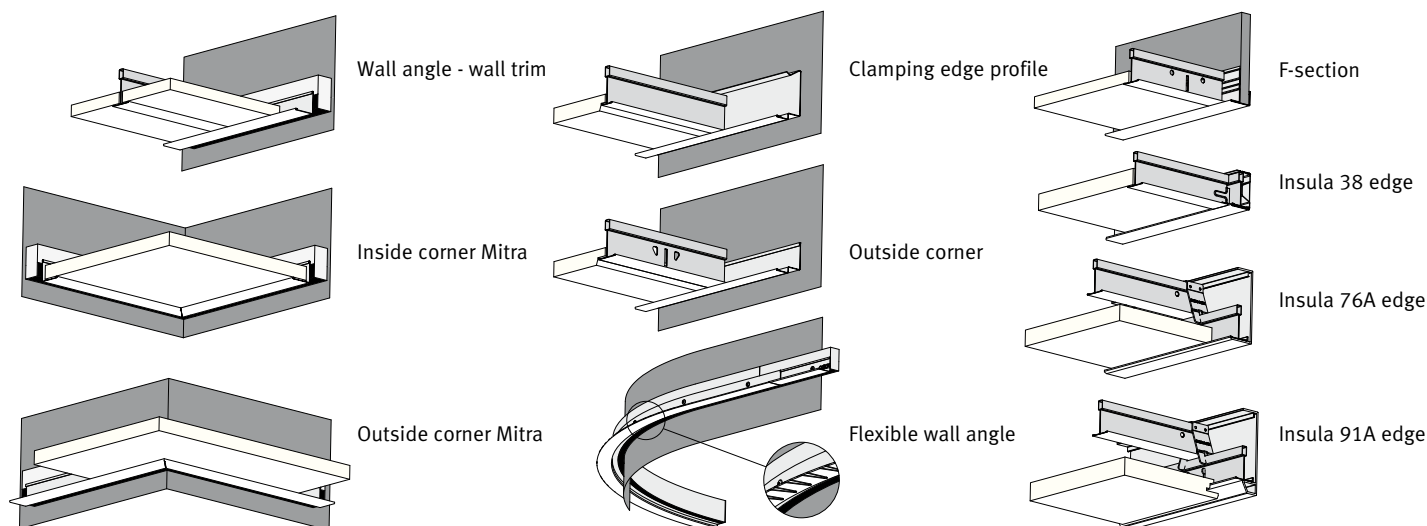
Cross tee, snow-white

41 10 112	Perforation 300 mm c.t.c.	900	60	54	19.6	B
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* Mounting profiles for other panel widths on demand.
Required number of mounting profiles depending on panel type and dimensions.



QUICK-LOCK® Wall angles & ceiling edges



Component, dimensions in mm

Product Nr Description

Length
mm
Pack/
Qty
R- Mtr/
pack
Weight/
pack
Logistic
code

Wall angle 19 x 24 mm

41 33 101	Snow-white	3000	30	90	16.2	A
41 33 119	Snow-white ultra matt	3000	30	90	16.2	A
41 33 535	Snow-white Corro-Plus	3000	30	90	16.2	B
41 33 103	Black RAL 9005*	3000	30	90	16.2	A
41 33 116	Black, ultra matt	3000	30	90	16.2	A
41 33 105	Brushed aluminium	3000	30	90	8.3	A
41 33 111	RAL 9006*	3000	30	90	16.2	A

Wall angle 24 x 24 mm

41 33 301	Snow-white	3000	30	90	18.2	A
41 02 010	Snow-white	1500	40	60	12	C
41 33 306	RAL 9010*	3000	30	90	18.2	A
41 01 050	Mitra inside corner 450-2550 mm	3000	30	90	18.2	B
41 01 051	Mitra inside corner 750-750 mm	1500	30	45	9.2	B
41 01 060	Mitra outside corner 1500-1500 mm	1500 (2)	15	45	9.2	B

For wall angle 24 x 24 on size and Mitra in and outside corner wall angles on size see page 41.

Wall angle 32 x 24 mm

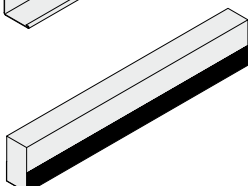
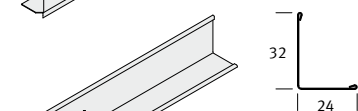
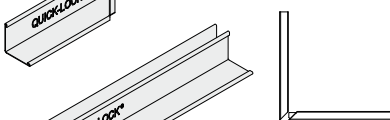
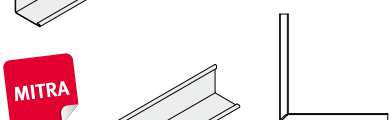
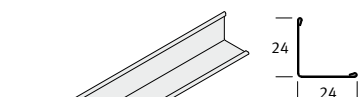
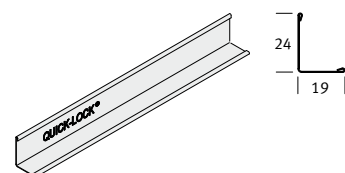
41 33 401	Snow-white	3000	30	90	21.8	B
**	Galvanized	3000	30	90	21.8	C

Timber wall trim

42 24 013	Timber, black 18 x 35 mm	3000	10	30	9.4	A
42 24 000	Timber, white 18 x 35 mm	3000	10	30	9.4	B

* RAL-colors: minor deviations to the RAL standard can not be excluded.

** On demand.



QUICK-LOCK® Wall angles & ceiling edges

Component, dimensions in mm

Product Nr Description

Length
mm

Pack/
Qty

R- Mtr/
pack

Weight/
pack

Logistic
code

Shadow moulding

41 40 018	Snow-white, 24 x 12 x 12 x 24 mm	3000	25	75	24.8	A
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41 40 016	Snow-white, 25 x 15 x 8 x 15 mm	3000	25	75	22.2	A
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41 40 017	Snow-white, 27 x 15 x 6 x 15 mm	3000	25	75	22.2	A
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Clamping edge profiles for corridors

41 33 900	Snow-white, 6 mm	3000	20	60	29	B
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Outside corner profile, snow-white

41 33 800	27 x 41 x 13 mm	3000	24	72	26	B
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Perforations 300 mm c.t.c.

Aluminum wall angle

42 00 035	Aluminium 24 x 24 mm, white*	3000	15	45	10	B
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Limited bendability. Radius mounting tolerance convex R +/- 250 mm, concave +/- 100 mm.

On request, the aluminum wall angle can be supplied pre-bent in the desired radius.

Flexible wall angle

**	24 x 24 mm, wit*	2500	10	25	4.5	B
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Bendable and intended for mounting on "convex" walls. Minimum radius 200 mm.

The punched steel profile is covered with flexible white PVC. The punches will come in visible to a limited extent.

Ceiling edge profiles

41 41 822	Edge profile U-38 snow-white	3000	18	54	17.4	B
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42 06 010	Connector U-38		50		0.7	B
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42 60 410	Edge profile U-76A	2400	4	9.6	9.9	B
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other lengths see page 26

41 60 010	Insula A Edge clips & accessories		25		0.3	B
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(2 edge clips per edge, corner)

Column rings

**	Aluminium 30 x 20 x 2 mm, white*					C
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Diameter 135 - 1170 mm

To be cut on the job site

Different shapes and dimensions on demand

* Minor color deviation from snow-white

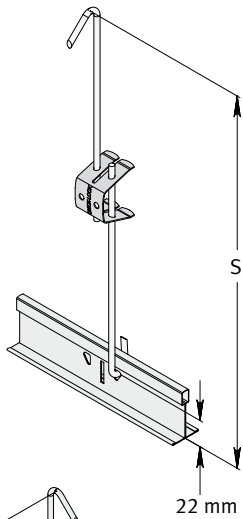
** On demand.

QUICK-LOCK® Quick-suspenders

Component, dimensions in mm

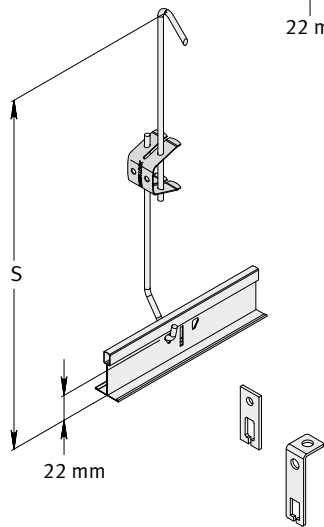
Product Nr Description

Length
mm
Pack/
Qty
R- Mtr/
pack
Weight/
pack
Logistic
code



Quick suspender*

42 04 350	Reach	120-160 mm	100	3.6	A
42 04 351	Reach	135-190 mm	100	4	A
42 04 352	Reach	190-300 mm	100	5	A
42 04 353	Reach	235-400 mm	100	6	A
42 04 354	Reach	340-600 mm	100	8	A
42 04 356	Reach	530-990 mm	100	12	A
42 04 357	Reach	650-1230 mm	100	14	A
42 04 358	Reach	775-1480 mm	100	16	A
42 04 359	Reach	920-1770 mm	100	18	A
42 04 360	Reach	1040-2010 mm	100	20	A

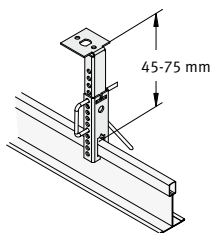


Quick suspenders Insula 38

42 04 374	Insula 38 reach	340-600 mm	100	8	B
42 04 376	Insula 38 reach	530-990 mm	100	12	B

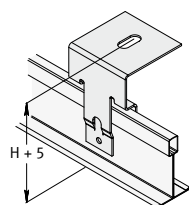
Quick-Lock slide

40 00 006	For quick suspender	100	3	A
**	Slide for M6 attachment	100	1.4	C



Direct hanger

42 05 360	Direct hanger adjustable DAH 45-75 (without hanger pin)	100	3	B
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Direct hanger

42 05 372	Direct hanger DAH 45 (h)	100	2.9	C
42 05 373	Direct hanger DAH 55 (h)	100	3.1	C
42 05 374	Direct hanger DAH 75 (h)	100	3.6	C
42 05 375	Direct hanger DAH 95 (h)	100	4.1	C

** On demand.

QUICK-LOCK® Nonius hangers

Component, dimensions in mm

Product Nr Description

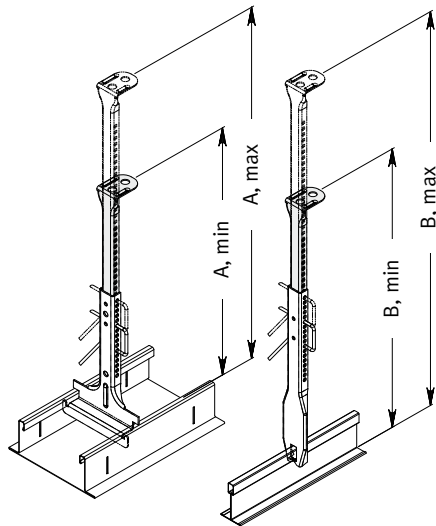
Length
mm

Pack/
Qty

R- Mtr/
pack

Weight/
pack

Logistic
code



Nonius hanger, top part*

	Reach A	Reach B				
42 04 250	175-195 mm	225-250 mm	130	100	5	A
42 04 251	175-245 mm	225-300 mm	200	100	6	A
42 04 252	255-350 mm	230-400 mm	300	100	8	A
42 04 253	360-460 mm	395-515 mm	400	100	11	A
42 04 254	460-560 mm	495-615 mm	500	100	13	A
42 04 255	560-660 mm	595-715 mm	600	100	16	A
42 04 256	660-760 mm	695-815 mm	700	100	18	A
42 04 257	750-840 mm	795-915 mm	800	100	20	A
42 04 258	860-960 mm	895-1015 mm	900	100	22	A
42 04 259	950-1060 mm	995-1115 mm	1000	100	24	A

Reach = bottom construction ceiling - bottom suspended ceiling

A-Combined with nonius hanger bottom part for Omega profile

B-Combined with nonius hanger bottom part for T-section

Hanger pin

42 05 551	Hanger pin single	100	0.7	A
Advised: two hanger pins per hanger*				
42 05 555	Hanger pin double	100	0.7	B

Nonius hanger bottom part for T-section*

42 04 211	Nr 228, for Quick-Lock 15, 24 and 35	210	100	4.5	B
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Nonius hanger bottom part for Omega*

42 04 200	For Omega 50 mm	135	100	4	B
42 04 201	For Omega 75 mm	135	100	4.6	B
42 04 202	For Omega 100 mm	135	100	5.6	A
42 04 203	For Omega 125 mm	135	100	6.6	B
42 04 204	For Omega 150 mm	135	100	8	B

Nonius bottom part; bolt fixation*

42 04 212	Prepunched	190	100	4	C
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Nonius extension piece*

42 04 270	Connector for extension piece	95	100	1.5	C
42 04 280	Universal	3000	25	18	C

* The nonius parts have to overlap at least 50 mm.

QUICK-LOCK® Nonius hangers, connectors • corrosion resistant

Component, dimensions in mm

Product Nr Description

Length
mm
Pack/
Qty
R- Mtr/
pack
Weight/
pack
Logistic
code

Nonius hanger, top part Corrosion resistant¹ C3L

Reach*

43 04 252	230-400 mm	300	50	4	C
43 04 253	395-515 mm	400	50	5.5	C
43 04 254	495-615 mm	500	50	6.5	C
43 04 255	595-715 mm	600	50	8	C

Reach = bottom construction ceiling - bottom suspended ceiling system

* Combined with Nonius hanger bottom part for T-section

Hanger pin Corrosion resistant¹ C3L

43 04 551	Advised: two hanger pins per hanger*	72	100	0.7	C
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Nonius hanger bottom part for T-profile Corrosion resistant¹ C3L

43 04 211	Nr 228, for Quick-Lock 15, 24 en 35	210	50	2.5	C
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Nonius hanger, top part Corrosion resistant¹ C5L

Reach*

43 05 252	230-400 mm	300	50	4	C
43 05 253	395-515 mm	400	50	5.5	C
43 05 254	495-615 mm	500	50	6.5	C
43 05 255	595-715 mm	600	50	8	C

Reach = bottom construction ceiling - bottom suspended ceiling system

* Combined with Nonius hanger bottom part for T-section

Hanger pin Corrosion resistant¹ C5L

43 05 551	Advised: two hanger pins per hanger*	72	100	0.7	C
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Nonius hanger bottom part for T-profile Corrosion resistant¹ C5L

43 05 211	Nr 228, for Quick-Lock 15, 24 en 35	210	50	2.5	C
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Cross-Lock connector²

43 33 700	Cross-Lock connector	100	2.1	A
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extra corrosion resistant, black

1 The extra corrosion resistant Nonius Hangers are available in two versions:

- C-3L meets the Class C specifications, see EN 13964, table 8 and the Class C-3L requirements, see EN 12944.
- C-5L Intended for Class D applications, see EN 13964. Suitable for use in C-5L environments, see EN 12944-2. Meets Building Recommendations guideline 3.6 for swimming pool ceilings in the Netherlands.

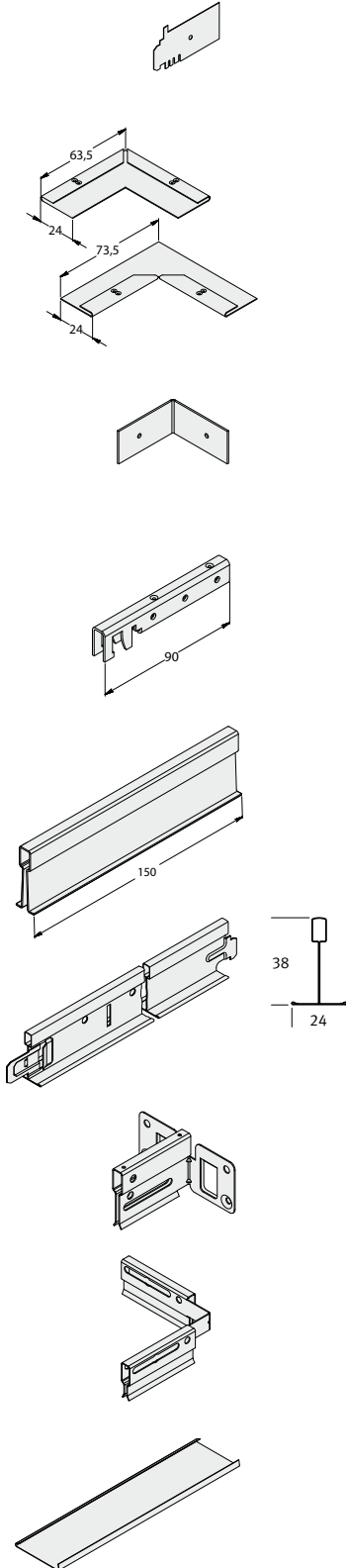
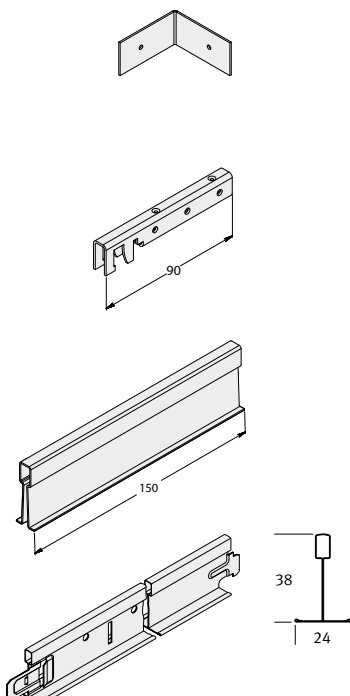
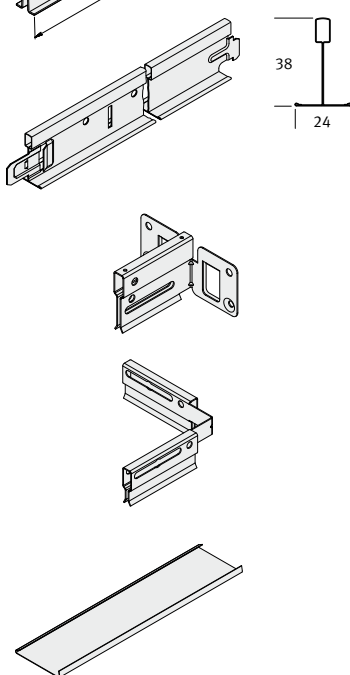
The degree of corrosion resistance depends on the local conditions. The suitability and anticipated lifespan should be assessed by a professional. Periodic inspections may be necessary under the legislation or regulations for the early detection of any corrosion.

* The nonius parts have to overlap at least 50 mm.

2 Cross-Lock with an additional black corrosion protective coating.

Tested c.f. EN ISO 9227 (salt spray test). Test result on demand.

QUICK-LOCK® Connectors, adaptors

Component, dimensions in mm	Product Nr	Description	Length mm	Pack/ Qty	R- Mtr/ pack	Weight/ pack	Logistic code
	Cross-connection T-profiles						
	40 00 020	For use with T-profile straight end, for cross connection in slot. Quick-Lock 15, 24, 35 profiles		100		1	A
	Corner cover clip wall angle 24 mm						
	42 01 067	Inside corner, Snow-white		70		0.7	A
	42 01 066	Outside corner, Snow-white		100		1	A
	Quick-Lock Connecting brackets						
	40 00 013	Standard connector		100		2.5	A
	Connecting brackets Omega profiles						
	40 04 009	For cross connection T-profiles Omega visible system	90	100		2.5	A
	Quick-Lock splice						
	40 04 000	For Quick-Lock 38 mm	150	25		1	B
	Main beam adaptors*, Snow-white						
	**	Profile to change grid orientation 90° Length, leadtime on demand					
	*** Connectors for seismic system						
	**	Perimeter clip T-bars		100		3.8	
	**	Transition clip T-bars		100		4.5	
	**	Cap sleeve 24 mm		100		0.5	
* Adapters for other Quick-Lock widths on demand. ** On demand. *** Connectors for installation according US and EU guidelines or recommendations. The expected level of resistance accordingly. Ask for advice on the correct way of installation.							

QUICK-LOCK® clips and accessories

Component, dimensions in mm

Product Nr Description

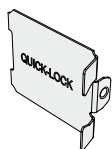
Length
mm

Pack/
Qty

R- Mtr/
pack

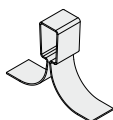
Weight/
pack

Logistic
code



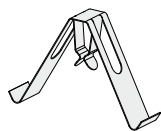
Cross tee clip TS

42 06 030	Stabilizing clip for single cross tee connection	50	0.5	B
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Hold down clip

42 05 521	For 12 mm panels	500	1.2	C
42 05 520	For 16 mm panels	500	1	C
42 05 522	For 25 mm panels	500	2	C



Panel clip

42 05 545	For 9-16 mm panels - demountable	500	1.9	C
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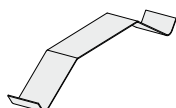
Panel clip

42 05 541	For 9-16 mm panels - not demountable	500	2.5	C
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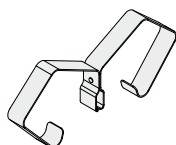
Twist clip with hanger ring

42 05 511	For T-section 24 mm	25	0.2	B
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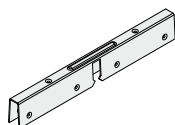
Wall spring

42 06 002	Wall spring	500	4.8	A
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Panel clip

42 05 560	For impact resistant systems 20-40 mm panel	100	4.5	C
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Reinforcement bracket

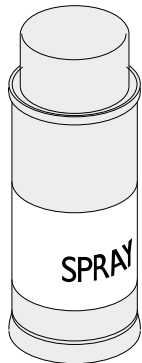
42 04 310	For cross connections in impact resistant systems	100	3.5	C
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QUICK-LOCK® Miscellaneous

Component, dimensions in mm

Product Nr Description

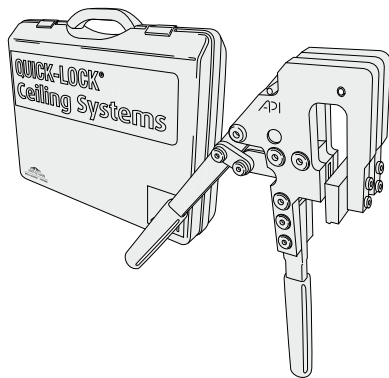
Length
mm
Pack/
Qty
R-Mtr/
pack
Weight/
pack
Logistic
code



Aerosol

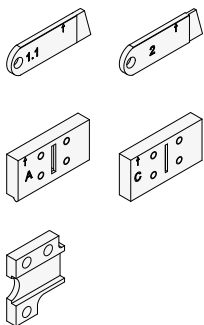
53 02 001	Snow-white, 0.25 kg	1	0.3	A
53 02 906	RAL 9006, 0.25 kg	1	0.3	B
53 02 910	RAL 9010, 0.25 kg	1	0.3	A
53 02 911	RAL 9005, 0.25 kg	1	0.3	B

Other colors on demand



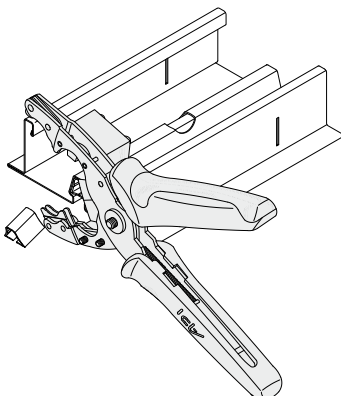
Universal slotpunch

79 00 040	Suited for Omega profiles, Quick-Lock 38 mm and 60 mm profiles.	1		B
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Spare parts (other parts on demand)

**	Slot punch 1.1 Quick-Lock 24-32, 38, 60			
**	Slot punch 2 Omega bandraster			
**	Slot die A Quick-Lock 24-32, 38			
**	Slot die C Omega bandraster			
**	Punch guiding plate			



Omega-Plus scissors

**	For cutting the Omega-Plus infill strip	1		C
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** On demand.

QUICK-LOCK® Made-to-measure profiles

Most Quick-Lock, Omega bandrastrer and Z-bars can be produced to measure in terms of profile length, perforation positions and profile ending.
Per profile type limits for length, type and number of details are applicable. Pricing is related to quantity, length and number of perforations.
Per item and production run we charge costs for adjustments and tool changes.

Quick-Lock profiles				Snow-white	Snow-white ultra matt	RAL 9010	RAL 9005 black	Black ultra matt	Galvanised	RAL 9006	Brushed alu	Corrosion resistant
	Length from	Length up to	Pieces per carton									
Quick-Lock 15/38	86 mm	299 mm	90	✓	-	-	✓	-	-	✓	✓	-
	300 mm	599 mm	60	✓	-	-	✓	-	-	✓	✓	-
	600 mm	999 mm	60	✓	-	-	✓	-	-	✓	✓	-
	1000 mm	2399 mm	60≤1250>30	✓	-	-	✓	-	-	✓	✓	-
	2400 mm	4500 mm	30	✓	-	-	✓	-	-	✓	✓	-
Quick-Lock 24/38	86 mm	299 mm	60	✓	✓	✓	✓	✓	✓	✓	✓	✓
	300 mm	599 mm	60	✓	✓	✓	✓	✓	✓	✓	✓	✓
	600 mm	999 mm	40	✓	✓	✓	✓	✓	✓	✓	✓	✓
	1000 mm	2399 mm	40≤1800>20	✓	✓	✓	✓	✓	✓	✓	✓	✓
	2400 mm	4500 mm	20	✓	✓	✓	✓	✓	✓	✓	✓	✓
Quick-Lock 24/60 RE	600 mm	999 mm	12	✓	-	-	-	-	-	-	-	-
	1000 mm	2399 mm	12	✓	-	-	-	-	-	-	-	-
	2400 mm	4500 mm	12	✓	-	-	-	-	-	-	-	-
Quick-Lock 35/38	600 mm	999 mm	42≤625>28	✓	-	-	-	-	✓	-	-	-
	1000 mm	2399 mm	28≤1250>14	✓	-	-	-	-	✓	-	-	-
	2400 mm	4500 mm	14	✓	-	-	-	-	✓	-	-	-

Options

Length: Depending profile type 86-4500mm

End detail: Mainbeam connector

Cross-tee hook 1

Cross-tee hook 2

Straight-end

Connections details: Single slots

Slot with suspension openings

Slot with Unipro openings, QL24

Profile with a bow: Cross-tee QL 15, QL24 (lmax 2400mm)

Mainbeam QL 24-38 (lmax = 3750mm)

Remarks: A profile can have two different end details

Length > 1250 mm automatic suspension openings in the middle

Length > 1200 mm automatic fire-break; not in Insula profiles

QUICK-LOCK® Made-to-measure profiles



Omega profiles



				Snow-white	Snow-white ultra matt	RAL 9010	RAL 9006
	Length from	Length up to	Pieces per carton				
Omega 50 mm	900 mm	999 mm	8	✓	-	-	-
	2000 mm	6300 mm	8	✓	-	-	-
Omega 75 mm	900 mm	1999 mm	6	✓	-	-	-
	2000 mm	6300 mm	6 (3600=8)	✓	-	-	-
Omega 100 mm	900 mm	1999 mm	8	✓	✓	✓	✓
	2000 mm	6300 mm	4 (3600=8)	✓	✓	✓	✓
Omega Plus 100 mm	1100 mm	1999 mm	8	✓	-	-	-
	2000 mm	6300 mm	4 (3600=8)	✓	-	-	-
Omega 125 mm	900 mm	1999 mm	4	✓	-	-	-
	2000 mm	6300 mm	4	✓	-	-	-
Omega 150 mm	900 mm	1999 mm	4	✓	-	-	-
	2000 mm	6300 mm	4	✓	-	-	-

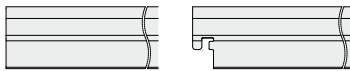
Options

Length: Depending profile type 900-6300mm

Connections details: Single slots (both sides)



Z-profiles



				Straight	With hook
	Length from	Length up to	Pieces per carton		
Z-profiles 45 mm	1000 mm	1800 mm	25	✓	✓
Z-profiles 60 mm	1500 mm	2100 mm	25	✓	✓
Z-profiles 70 mm	1800 mm	2500 mm	10	✓	✓

Options

Length: Depending profile type 1000-2500mm



Wall angle



				Snow-white	RAL 9010	Extra corrosion-resistant snow-white
	Length from	Length up to	Pieces per carton			
Wall angle 24/24	1000	3000 mm	30	✓	✓	✓
Mitra inside corner 24/24	1000	3000 mm	30	✓	✓	✓
Mitra outside corner 24/24	1000	2500 mm	15 sets	✓	✓	✓

Options

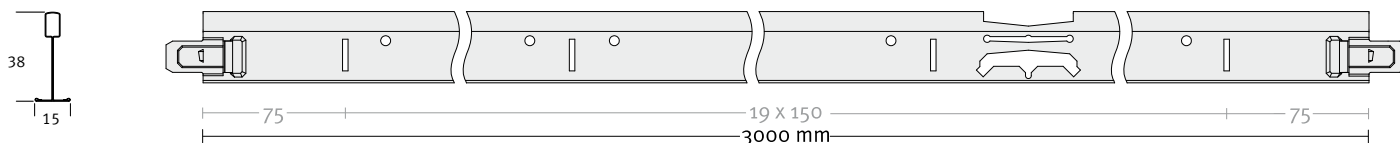
Length: Depending profile type max 3000mm

Connections details: Inside corner mitre on size

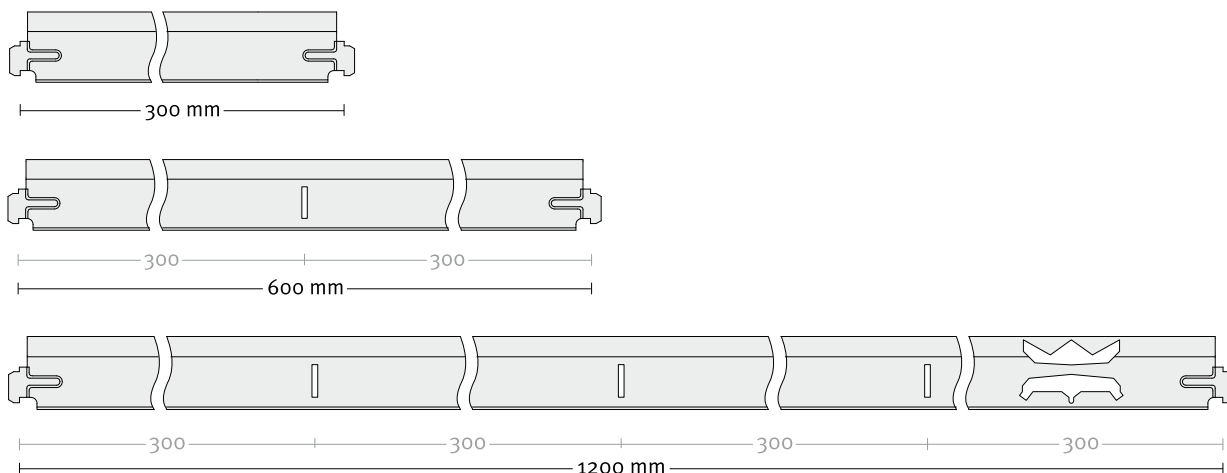
Outside corner mitre on size

QUICK-LOCK® 15/38 • slot positions

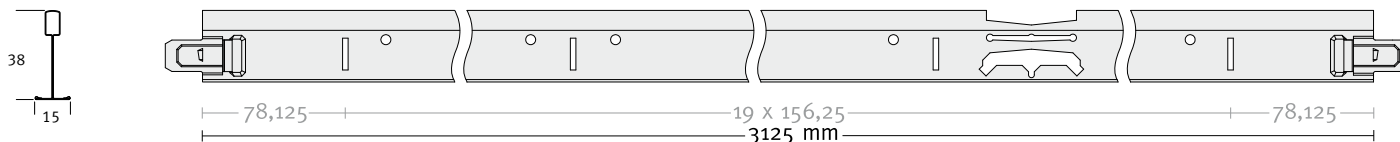
Slot positions Quick-Lock 15/38 main beam



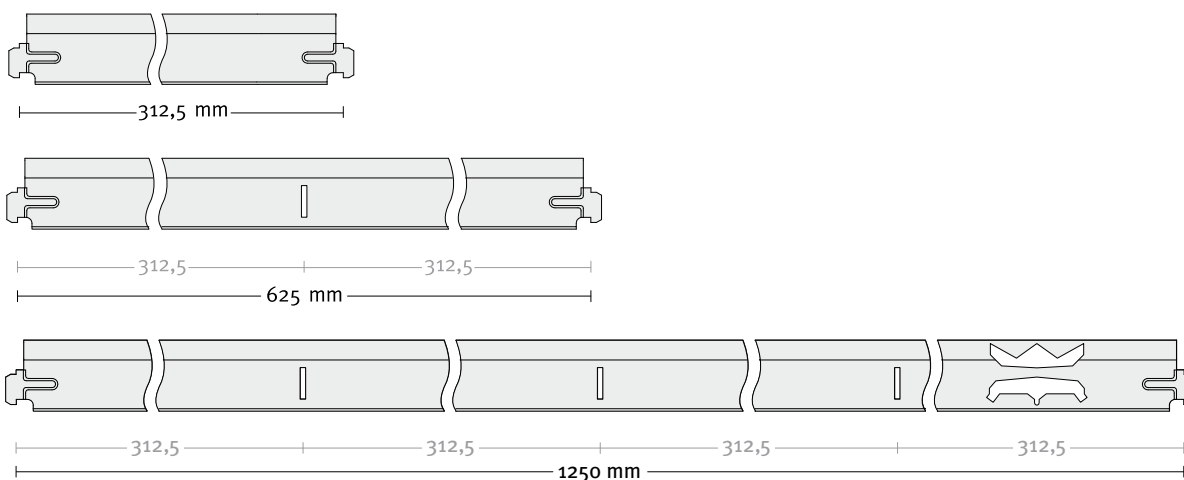
Slot positions Quick-Lock 15/38 cross tees



Slot positions Quick-Lock 15/38 DIN length main beam

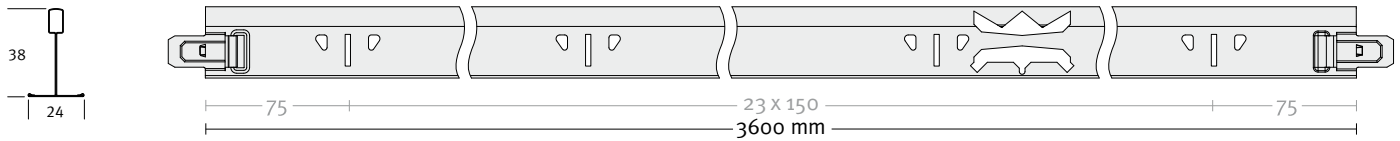


Slot positions Quick-Lock 15/38 cross tees

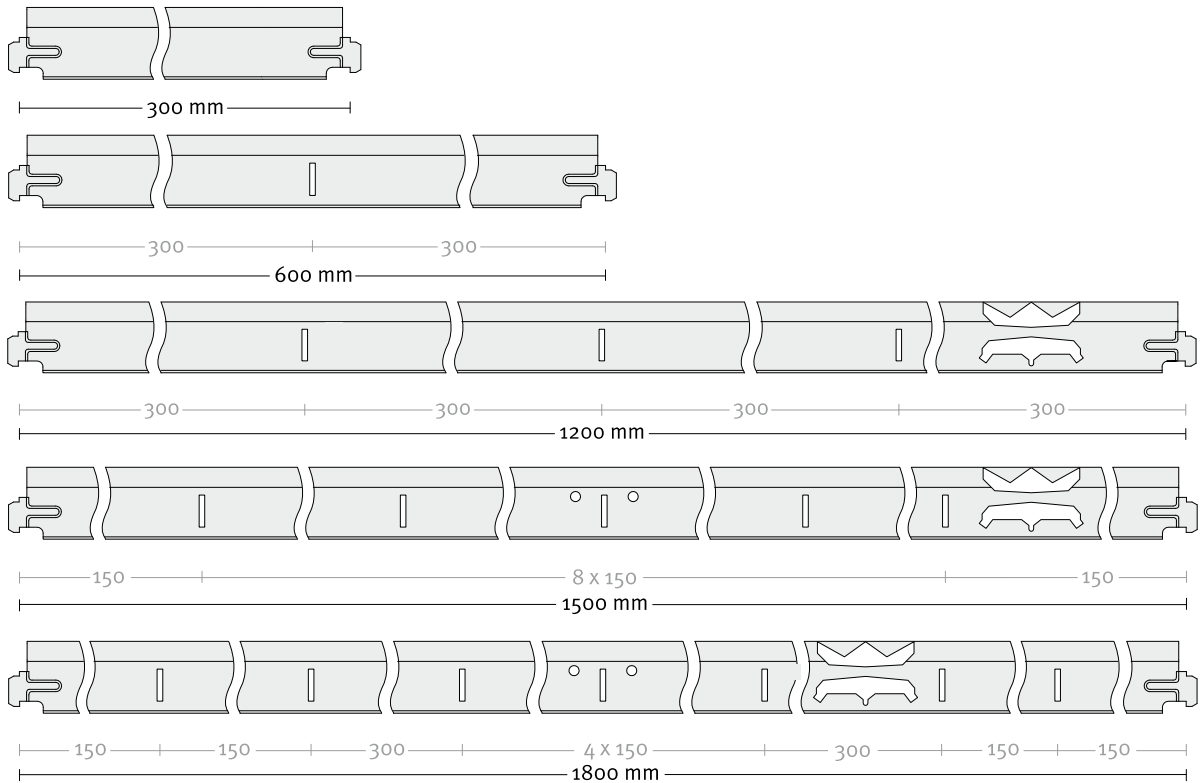


QUICK-LOCK® 24/38 & Cross-Lock • slot positions

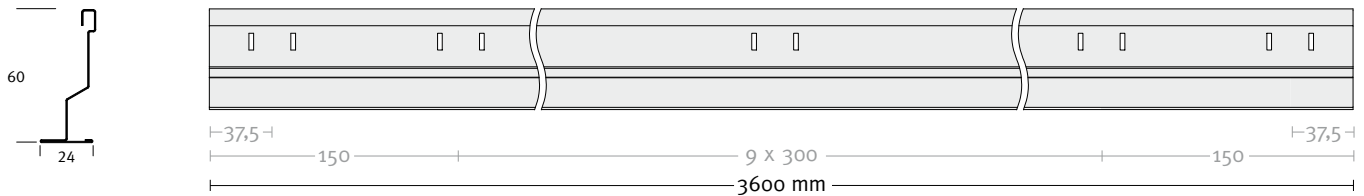
Slot positions Quick-Lock 24/38 Unipro main beam*



Slot positions Quick-Lock 24/38 cross tees



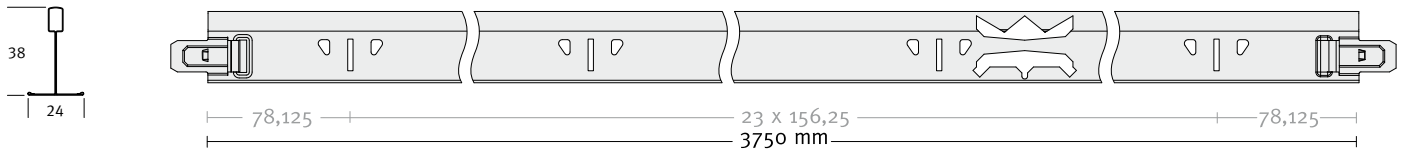
Slot positions stepped T-profile for Cross-Lock XL system



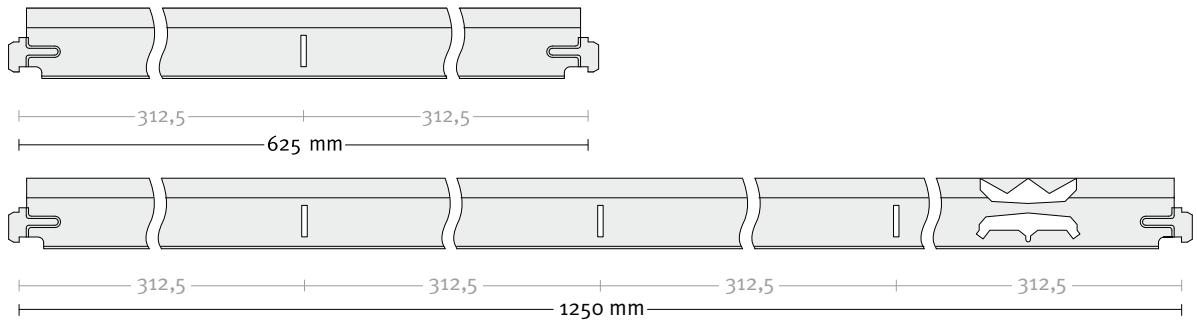
* Quick-Lock 24/38 Unipro mainbeams can be used as primary and secondary beams in the Cross-Lock systems.

QUICK-LOCK® 24/38 • 24/32 • 35/38 • slot positions

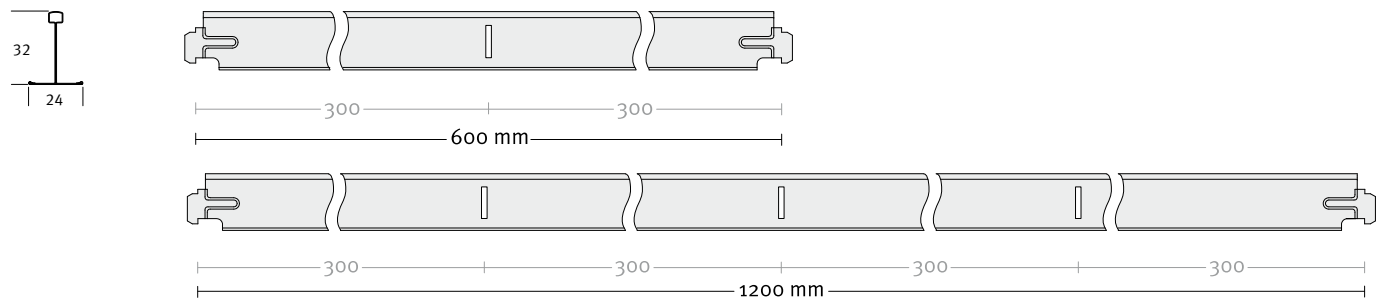
Slot positions Quick-LOCK 24/38 Unipro main beam DIN length



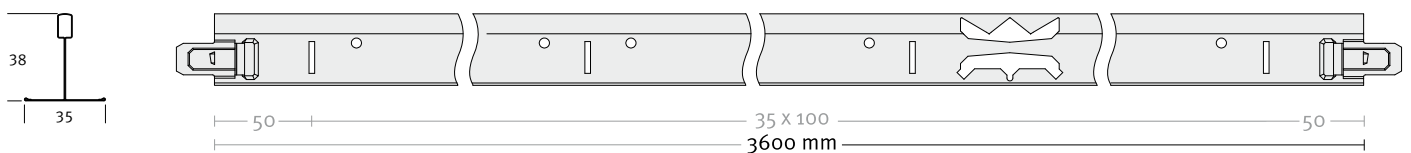
Slot positions Quick-LOCK Quick-LOCK 24/38 cross tees



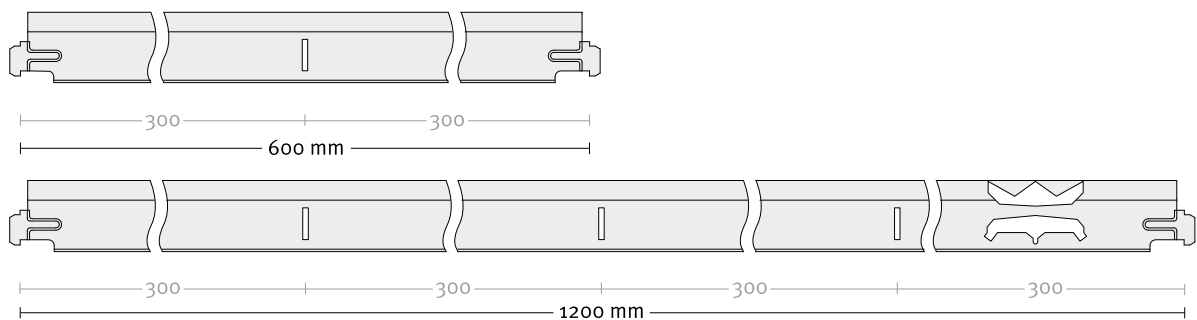
Slot positions Quick-LOCK Quick-LOCK 24/32 cross tees



Slot positions Quick-LOCK 35/38 main beam

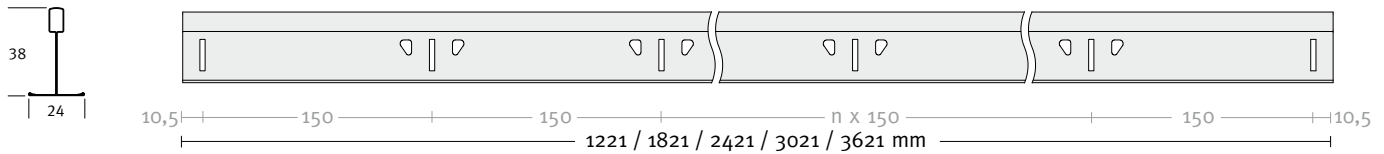


Slot positions Quick-LOCK 35/38 cross tees

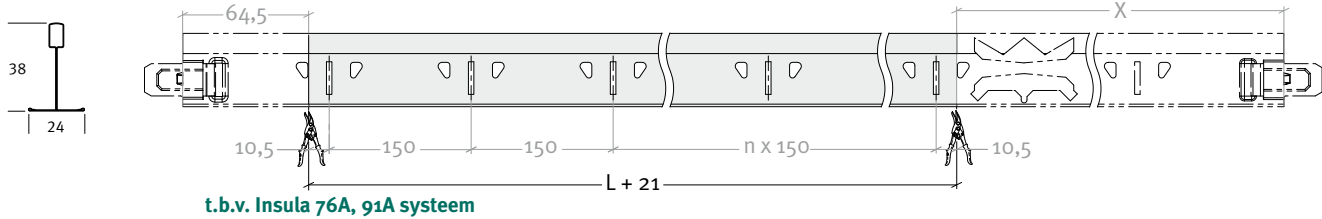


QUICK-LOCK® Insula • slot positions

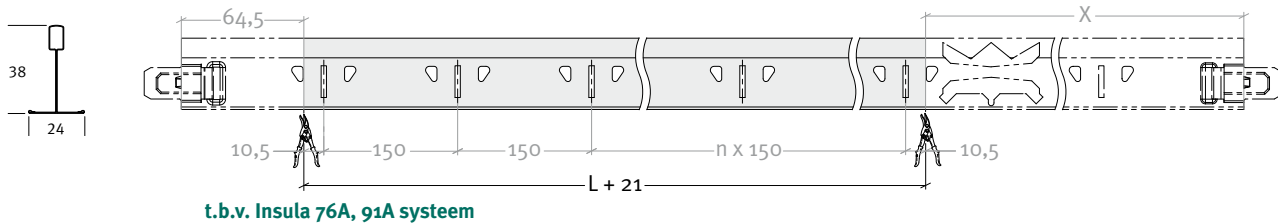
Slot positions Insula universal profile. Can be used as primary and secondary beam.



Slot positions primary beams Insula 76A, 91A system, cut out of standard Unipro beams*



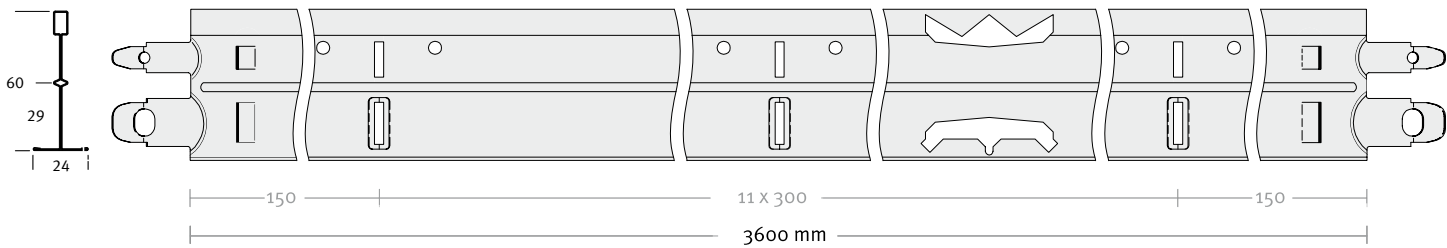
Slot positions secondary beams Insula 76A, 91A system, cut out of standard Unipro beams*



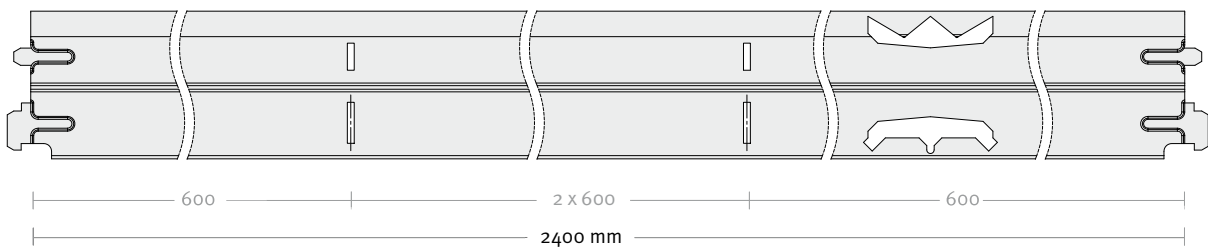
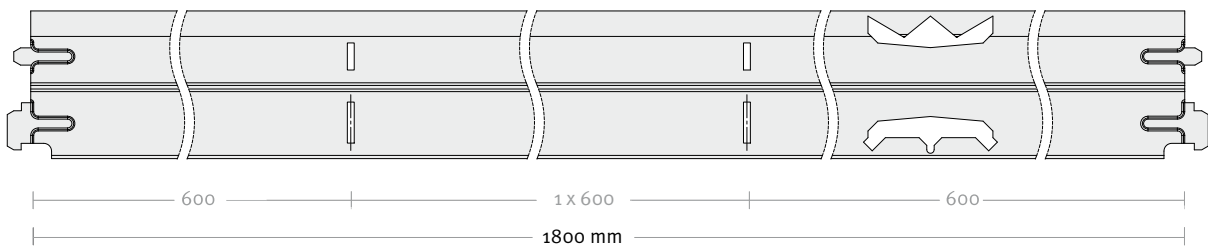
* For Insula ceiling islands larger than 3000 mm primary and secondary beams have to be composed by connecting two or more profile sections using the length connectors.

QUICK-LOCK® 24/60 HE • slot positions

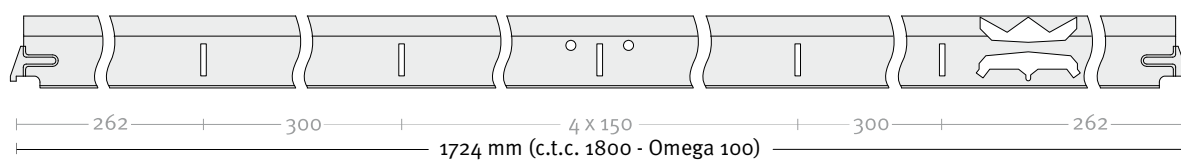
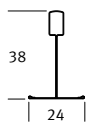
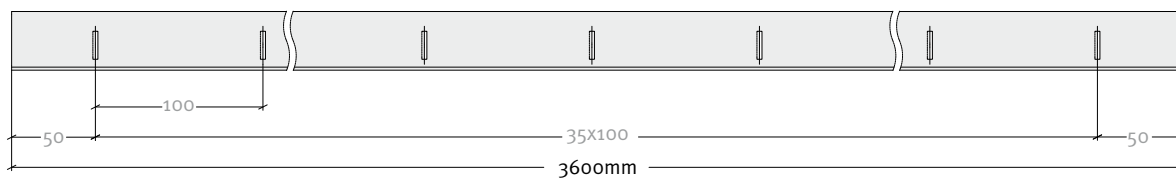
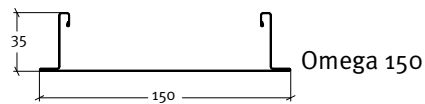
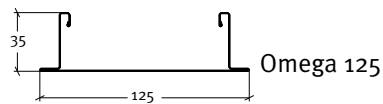
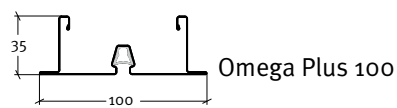
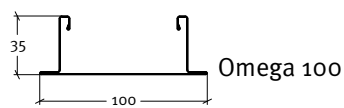
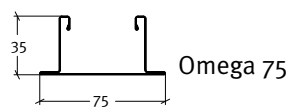
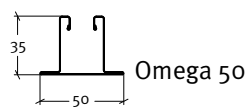
Slot positions Quick-Lock 24/60 main beam



Slot positions Quick-Lock 24/60 cross tees

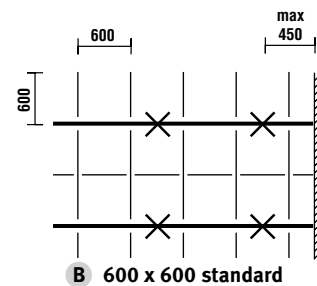
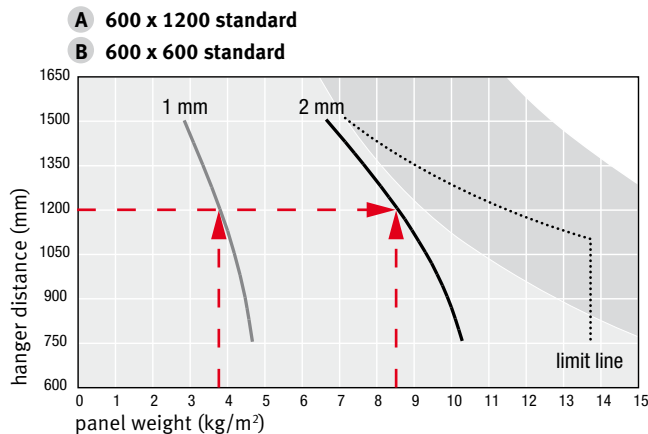
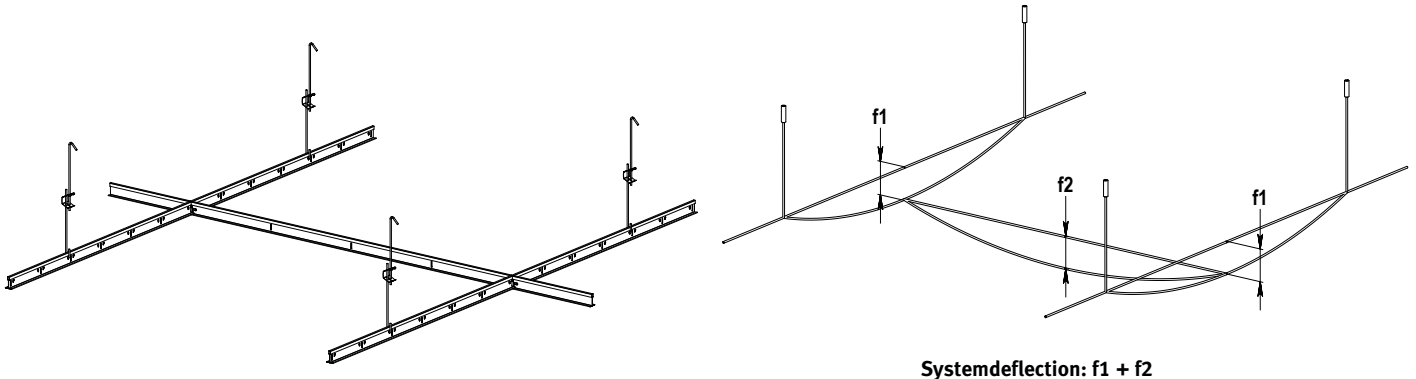


QUICK-LOCK® Omega • slot positions

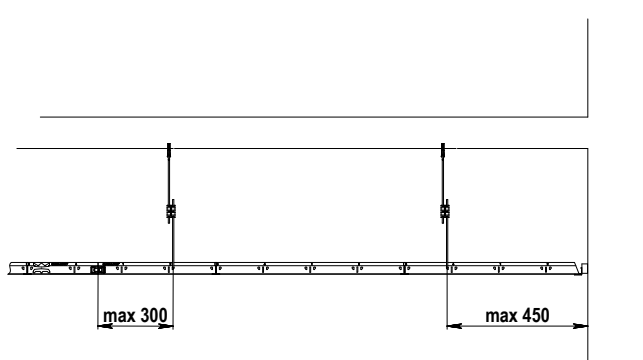


Permissible loads

The Quick-LOCK technical system data sheets show the permissible loads for the different systems. Reference must be made to these data sheets in order to ensure installation of a safe suspension system with adequate load-bearing capacity. The systems must be assembled and fitted in accordance with standards of good craftsmanship and the assembly instructions. The diagrams also indicate the expected flatness - deflection - of the suspension system. This is a measure of the ceiling's aesthetic quality. The permissible loads are based on the requirements specified in EN 13964. This standard permits greater deflections than would normally be acceptable from an aesthetic point of view. This is the reason why the diagrams indicate the loads at which a **systemdeflection** of respectively 1 mm or 2 mm is to be expected. A deflection of 2 mm is considered to be the limit of what is acceptable at normal ceiling suspension distances. The information is based on use in normal situations inside buildings. No allowance has been made in the calculations for extra loads caused by wind, fittings, items of building plant, etc. Application advice can be provided on demand for unusual situations.



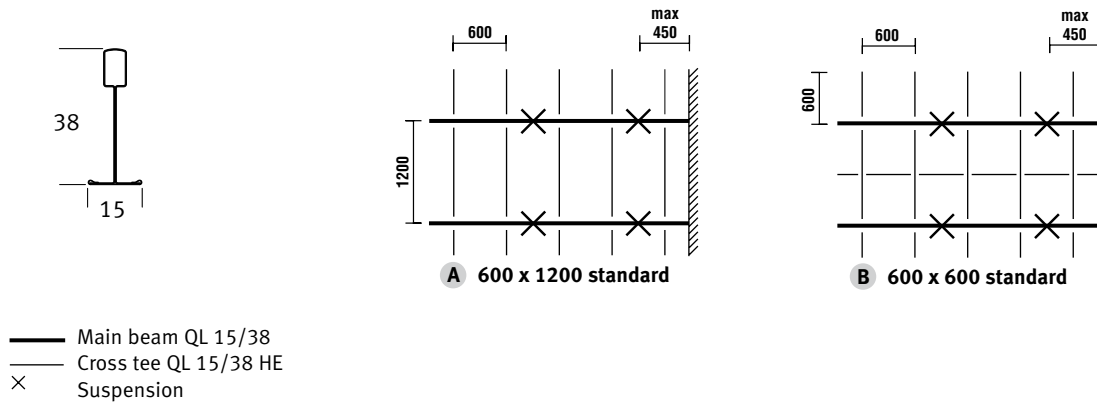
The example above shows how the expected **systemdeflection** can be determined for a specific system based on panel weight and suspension distances. Intermediate deflections can be extrapolated linearly. The limit line may not be exceeded. This line indicates when the stress in a profile becomes excessive and/or the deflection to class 1 according to EN 13964 is exceeded (per profile 1/500 l, maximum of 4 mm).



In principle, main beams may not be supported by the wall profiles. Consequently, the first suspension point for a standard* ceiling situation may not be located at a distance of more than 450 mm from the side. In order to ensure the most favourable possible load transfer in the carrier profiles, length couplings should not be fitted at a distance of more than 300 mm from the nearest suspension point.

QUICK-LOCK® 15/38 HE • permissible loads and quantities

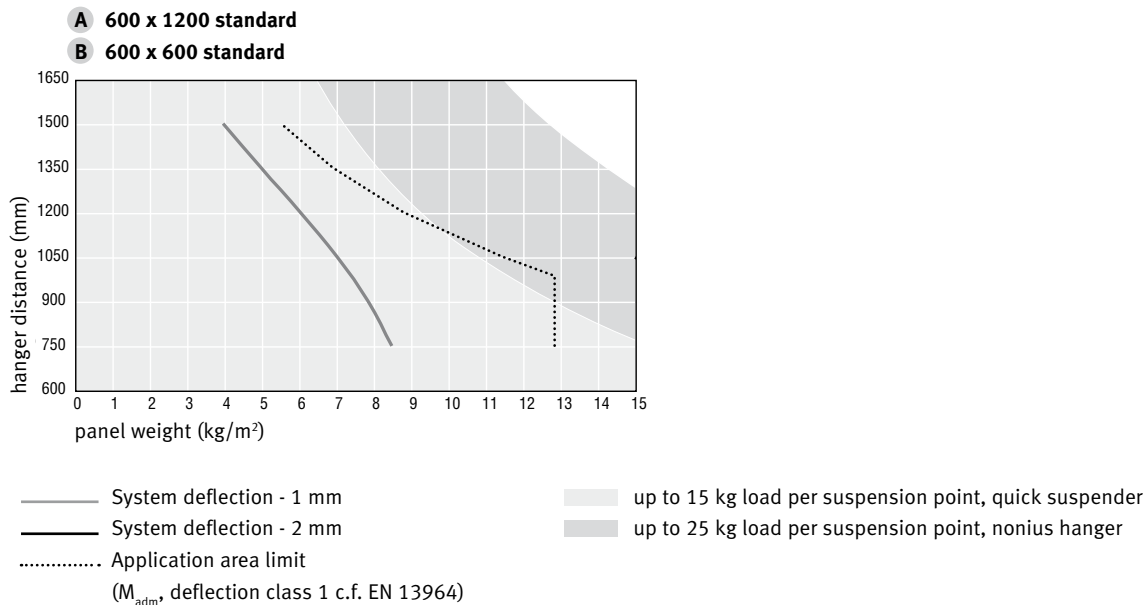
Ceiling lay-out



Permissible loads

The diagrams below state the permissible system loads and the flatness of the ceiling to be expected in relation to system layout and suspension distances. The information is based upon application in usual indoor situations. Any additional loads resulting from wind, fixtures, systems etc. have not been included in the calculations.

The first suspension point must not be placed any more than 450 mm from the edge (end of the ceiling plane). Length couplings should not be fitted at a distance of more than 300 mm from the nearest suspension point.



Qty per m²

Ceiling lay-out

Main beam 3000

Cross tee 1200

Cross tee 600

A 600 x 1200 standard

0,84 m/m²

1,67 m/m²

B 600 x 600 standard

0,84 m/m²

1,67 m/m²

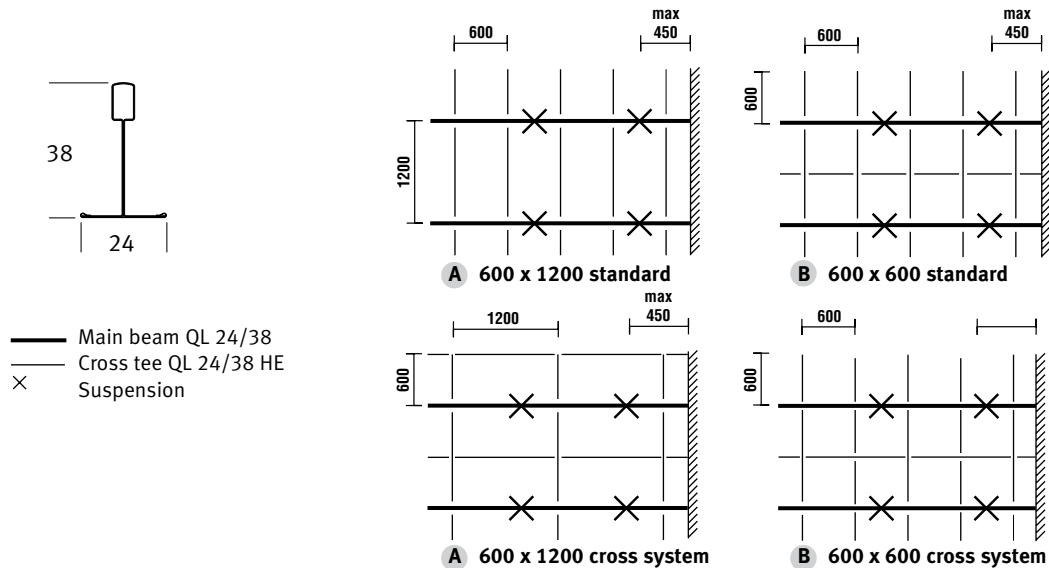
0,84 m/m²

Disclaimer

No rights can be derived from this product information sheet in relation to omissions in the details and/or incorrect recommendations for use. API reserves the right to make technical changes.

QUICK-LOCK® 24/38 HE • permissible loads and quantities

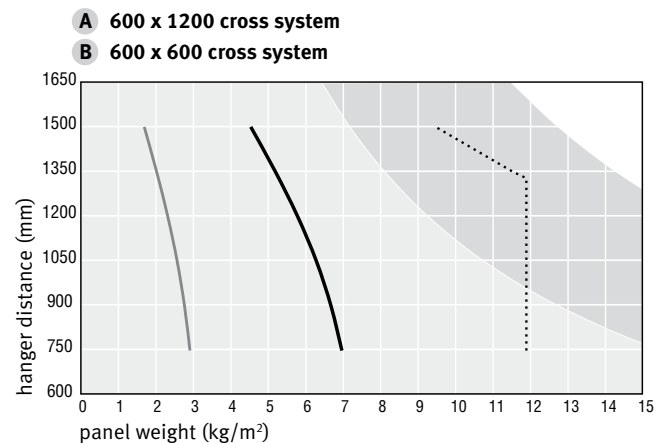
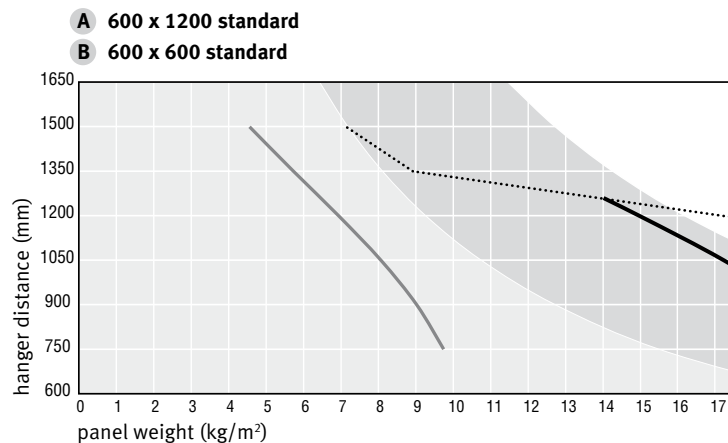
Ceiling lay-out



Permissible loads

The diagrams below state the permissible system loads and the flatness of the ceiling to be expected in relation to system layout and suspension distances. The information is based upon application in usual indoor situations. Any additional loads resulting from wind, fixtures, systems etc. have not been included in the calculations.

The first suspension point must not be placed any more than 450 mm from the edge (end of the ceiling plane). Length couplings should not be fitted at a distance of more than 300 mm from the nearest suspension point.



— System deflection - 1 mm
— System deflection - 2 mm
..... Application area limit
(M_{adm}, deflection class 1 c.f. EN 13964)

up to 15 kg load per suspension point, quick suspender
up to 25 kg load per suspension point, nonius hanger

Qty per m²

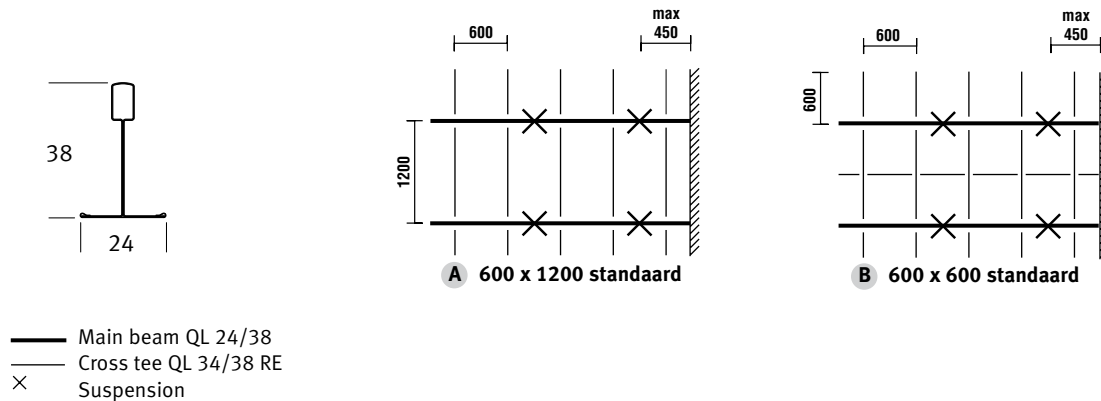
Ceiling lay-out	Main beam 3600	Cross tee 1200	Cross tee 600
A 600 x 1200 standard	0,84 m/m ²	1,67 m/m ²	
A 600 x 1200 cross system	0,84 m/m ²	1,67 m/m ²	
B 600 x 600 standard	0,84 m/m ²	1,67 m/m ²	0,84 m/m ²
B 600 x 600 cross system	0,84 m/m ²	1,67 m/m ²	0,84 m/m ²

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QUICK-LOCK® 24/38 RE • permissible loads and quantities

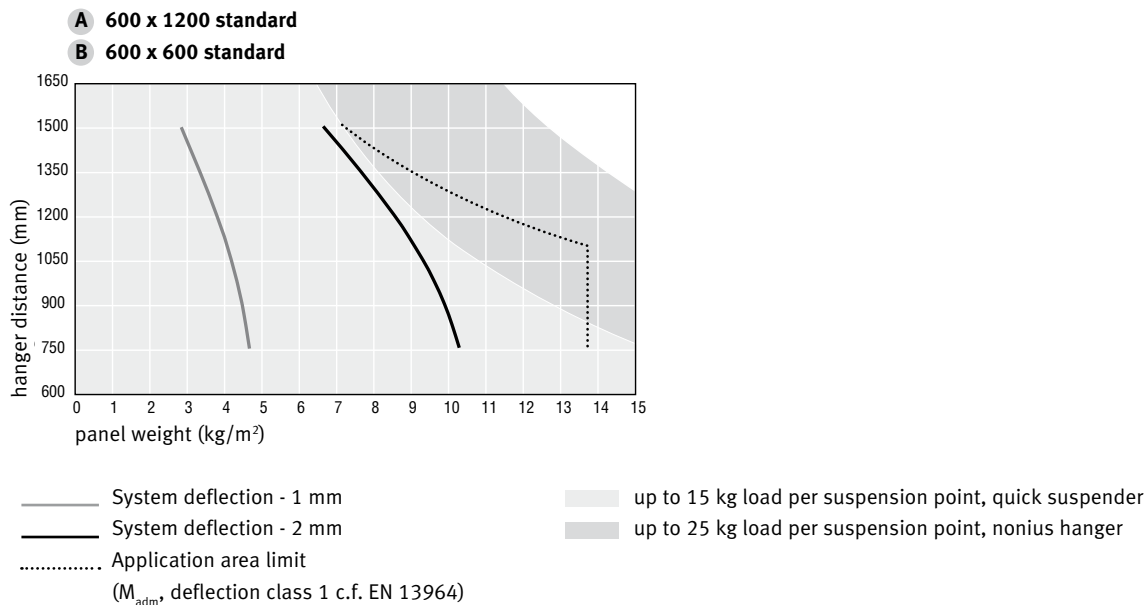
Ceiling lay-out



Permissible loads

The diagrams below state the permissible system loads and the flatness of the ceiling to be expected in relation to system layout and suspension distances. The information is based upon application in usual indoor situations. Any additional loads resulting from wind, fixtures, systems etc. have not been included in the calculations.

The first suspension point must not be placed any more than 450 mm from the edge (end of the ceiling plane). Length couplings should not be fitted at a distance of more than 300 mm from the nearest suspension point.



Qty per m²

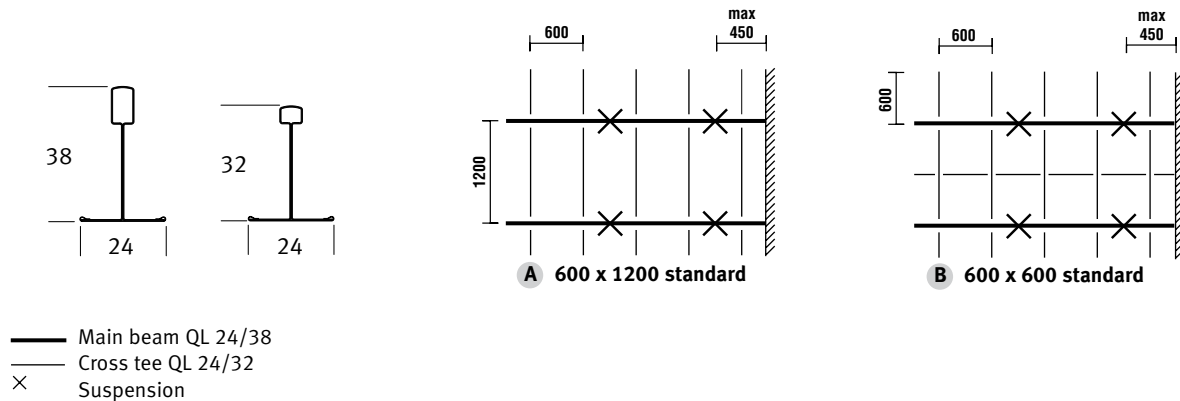
Ceiling lay-out	Main beam 3600	Cross tee 1200	Cross tee 600
A 600 x 1200 standard	0,84 m/m²	1,67 m/m²	
B 600 x 600 standard	0,84 m/m²	1,67 m/m²	0,84 m/m²

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QUICK-LOCK® 24/32 • permissible loads and quantities

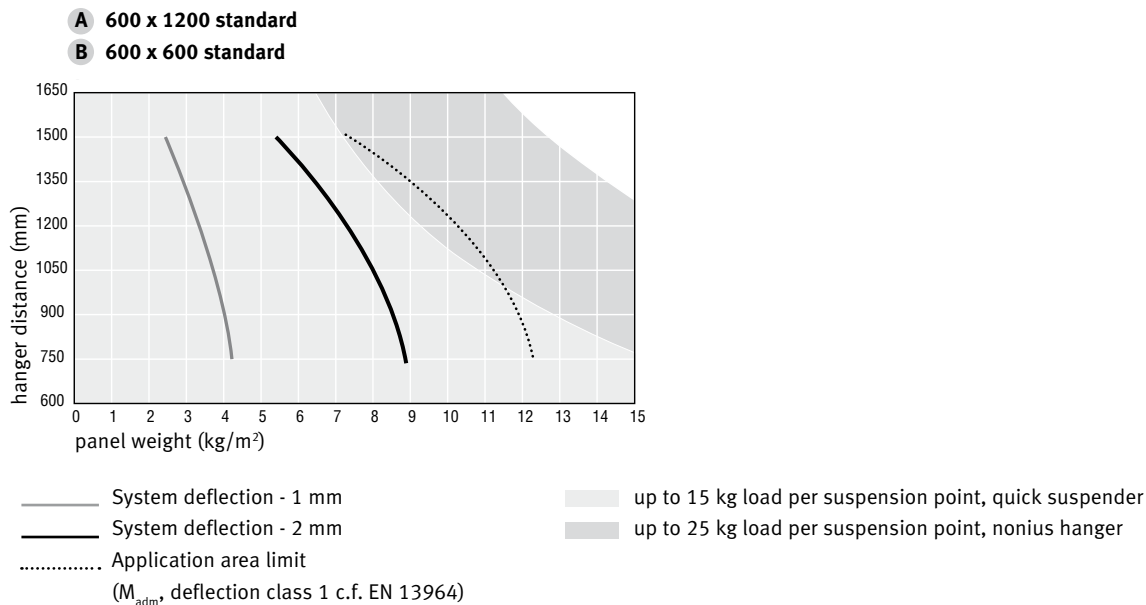
Ceiling lay-out



Permissible loads

The diagrams below state the permissible system loads and the flatness of the ceiling to be expected in relation to system layout and suspension distances. The information is based upon application in usual indoor situations. Any additional loads resulting from wind, fixtures, systems etc. have not been included in the calculations.

The first suspension point must not be placed any more than 450 mm from the edge (end of the ceiling plane). Length couplings should not be fitted at a distance of more than 300 mm from the nearest suspension point.



Qty per m²

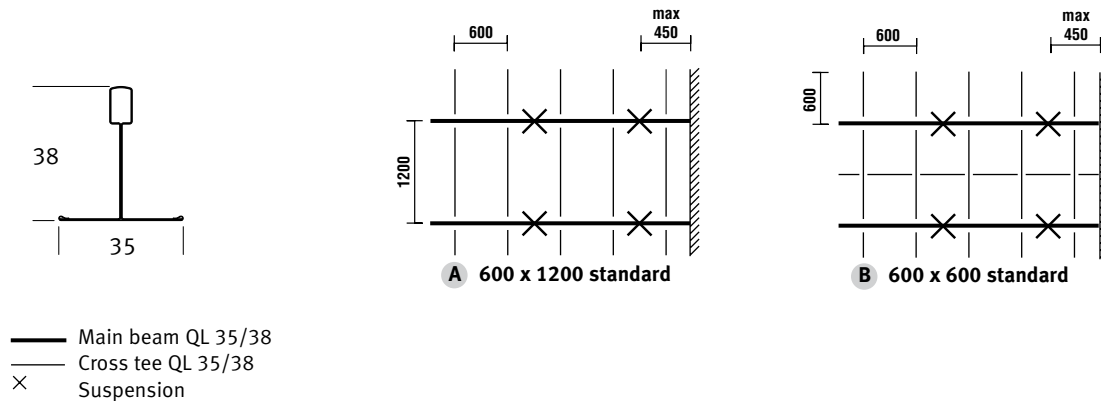
Ceiling lay-out	Main beam 3600	Cross tee 1200	Cross tee 600
A 600 x 1200 standard	0,84 m/m²	1,67 m/m²	
B 600 x 600 standard	0,84 m/m²	1,67 m/m²	0,84 m/m²

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QUICK-LOCK® 35/38 • permissible loads and quantities

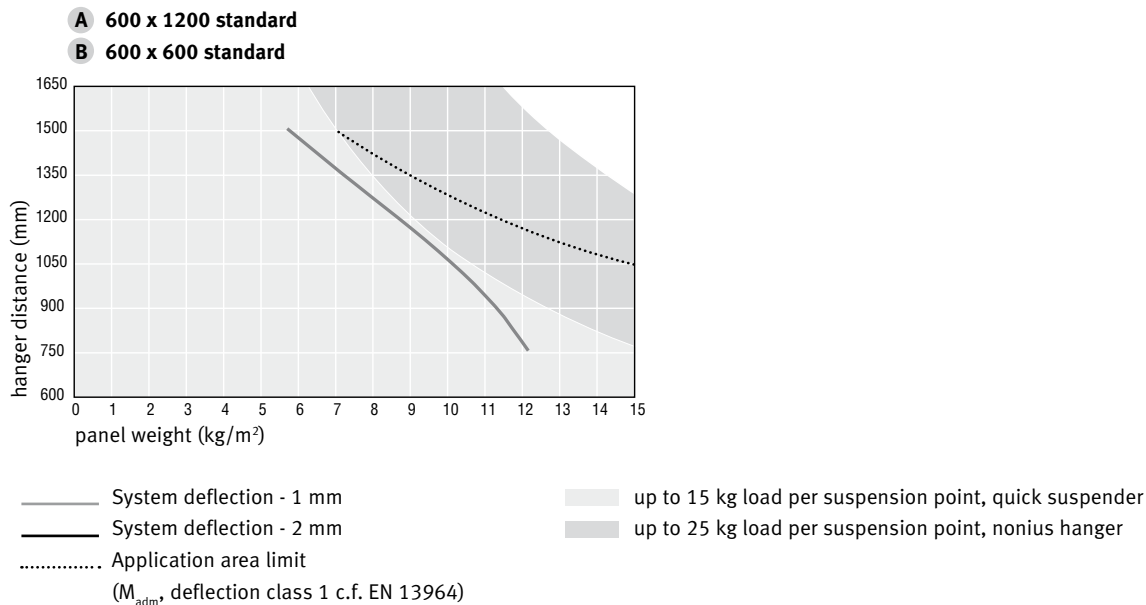
Ceiling lay-out



Permissible loads

The diagrams below state the permissible system loads and the flatness of the ceiling to be expected in relation to system layout and suspension distances. The information is based upon application in usual indoor situations. Any additional loads resulting from wind, fixtures, systems etc. have not been included in the calculations.

The first suspension point must not be placed any more than 450 mm from the edge (end of the ceiling plane). Length couplings should not be fitted at a distance of more than 300 mm from the nearest suspension point.



Qty per m²

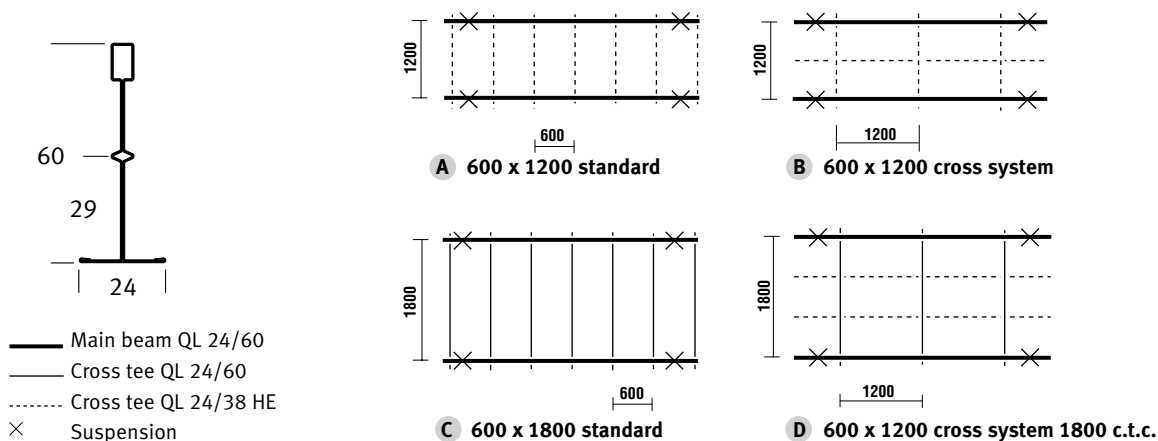
Ceiling lay-out	Main beam 3600	Cross tee 1200	Cross tee 600
A 600 x 1200 standard	0,84 m/m²	1,67 m/m²	
B 600 x 600 standard	0,84 m/m²	1,67 m/m²	0,84 m/m²

Disclaimer

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QUICK-LOCK® 24/60 HE • permissible loads and quantities

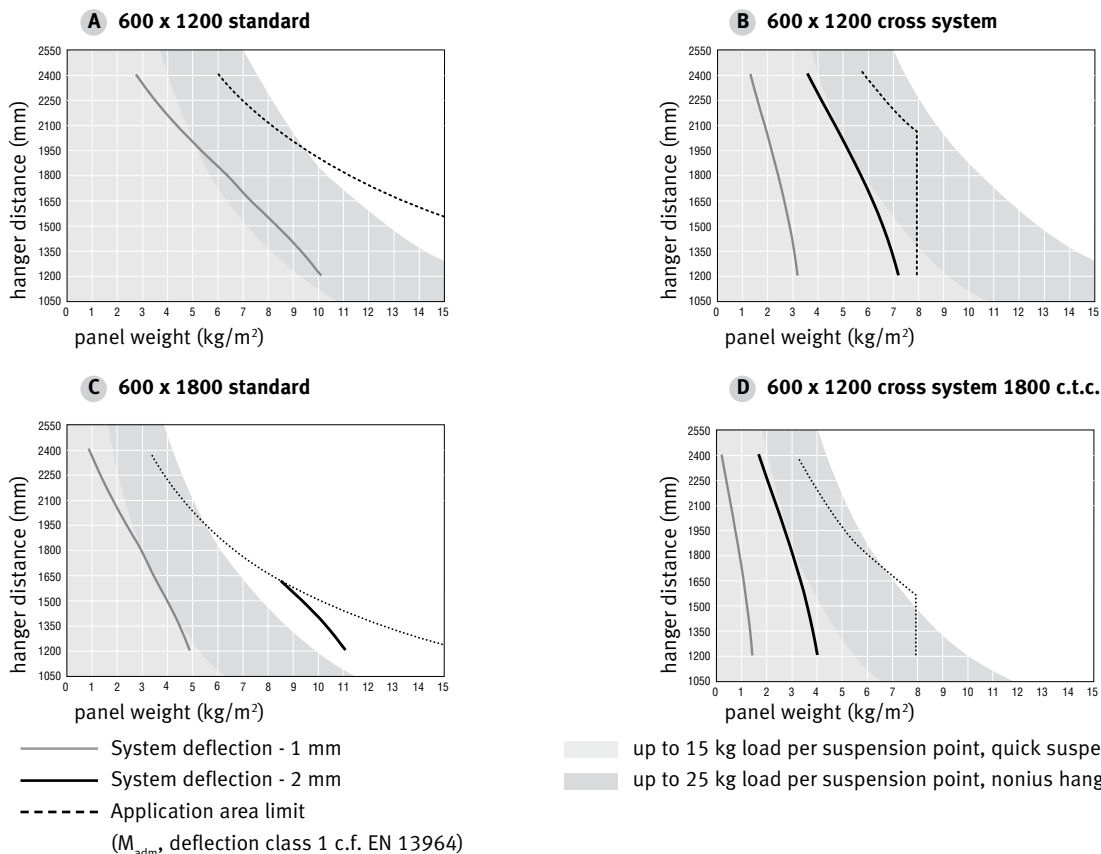
Ceiling lay-out



Permissible loads

The diagrams below state the permissible system loads and the flatness of the ceiling to be expected in relation to system layout and suspension distances. The information is based upon application in usual indoor situations. Any additional loads resulting from wind, fixtures, systems etc. have not been included in the calculations.

The first suspension point must not be placed any more than 450 mm from the edge (end of the ceiling plane). Length couplings should not be fitted at a distance of more than 300 mm from the nearest suspension point.



Qty per m²

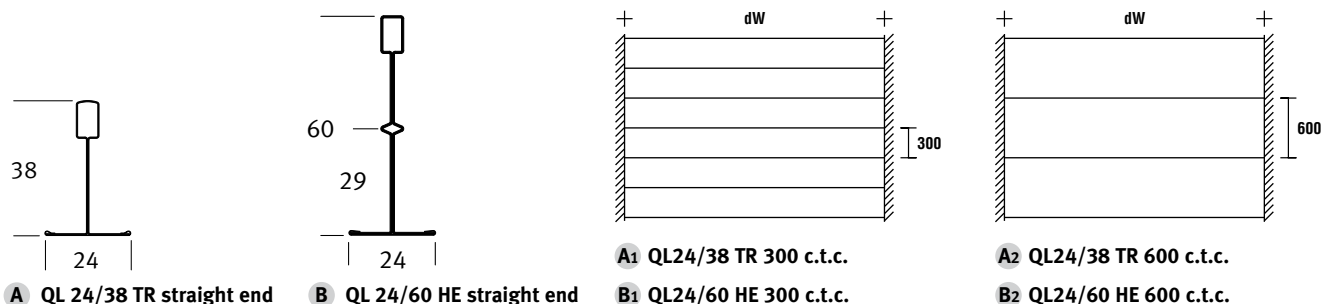
Ceiling lay-out Main beam 360024/60 Cross tee 1800 24/60 Cross tee 1200 24/38

A 600 x 1200 standard	0,84 m/m²	1,67 m/m²	
B 600 x 1200 cross system	0,84 m/m²		1,67 m/m²
C 600 x 1800 standard	0,56 m/m²	1,67 m/m²	
D 600 x 1200 cross system 1800 c.t.c.	0,56 m/m²	1,84 m/m²	1,12 m/m²

Disclaimer

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Ceiling lay-out

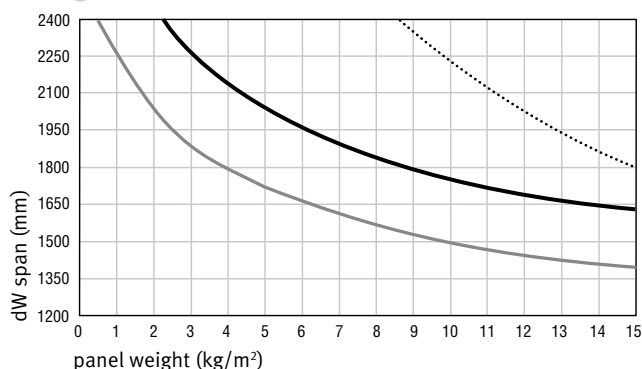


Permissible loads

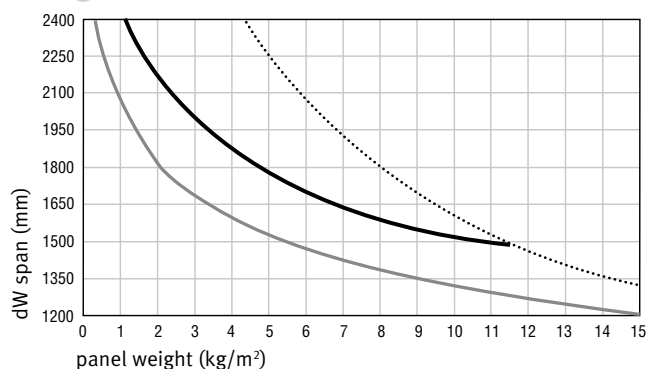
The diagrams below show the permissible system loads and the expected flatness of the ceiling in relation to the system layout and suspension distances indicated. The information is based on application in usual indoor situations. Any additional loads due to wind, fixtures, installations, etc. are not included in the calculations.

The QL24 / 38 TR profile is provided with a bow at spans of more than 2100mm to minimize deflection. It is recommended to use the QL 24/38 TR profiles in corridor situations in combination with the clamping edge profile or to be mounted to the wall with corners brackets. Use for QL 24/60 HE the corresponding wall brackets.

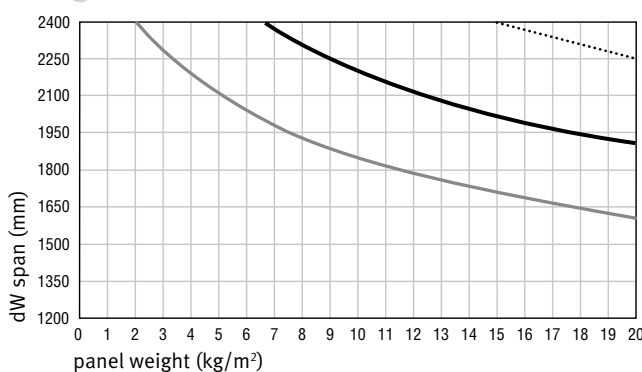
A1 QL 24/38 TR 300 c.t.c. corridor span



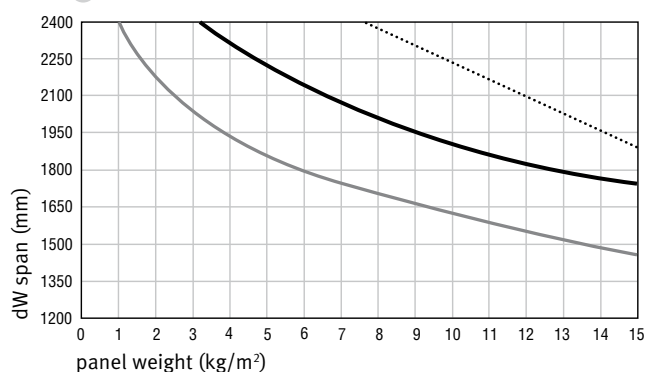
A2 QL 24/38 TR 600 c.t.c. corridor span



B1 QL 24/60 HE 300 c.t.c. corridor span



B2 QL 24/60 HE 600 c.t.c. corridor span



— System deflection - 1 mm
 - - - System deflection - 2 mm
 - - - Application area limit
 (M_{adm} , deflection class 1 c.f. EN 13964)

Qty per m²

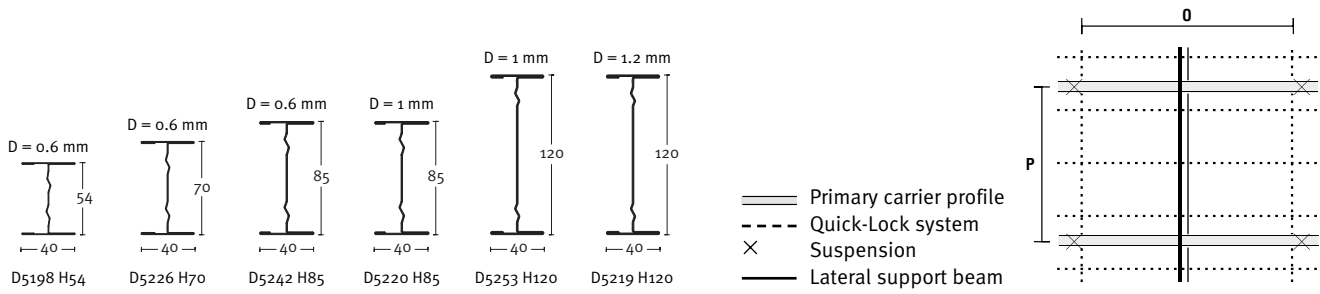
Ceiling lay-out	1200 mm profile length	1800 mm profile length	2400 mm profile length
A1, B1 300 c.t.c. corridor span	3,34 m/m ²	3,34 m/m ²	3,34 m/m ²
A2, B2 600 c.t.c. corridor span	1,67 m/m ²	1,67 m/m ²	1,67 m/m ²

Disclaimer

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QUICK-LOCK® Primary carrier system • permissible loads

Ceiling lay-out

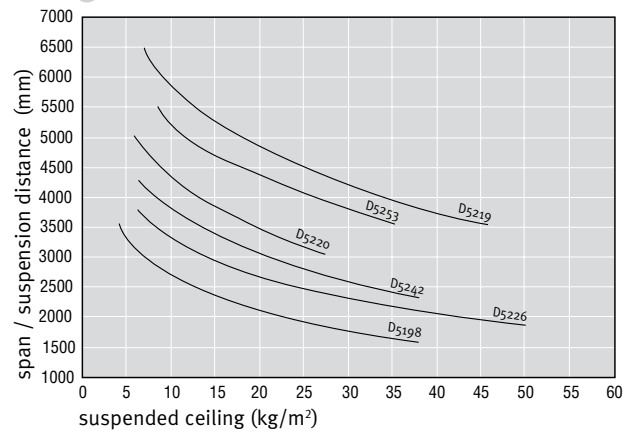


Permissible loads & spans

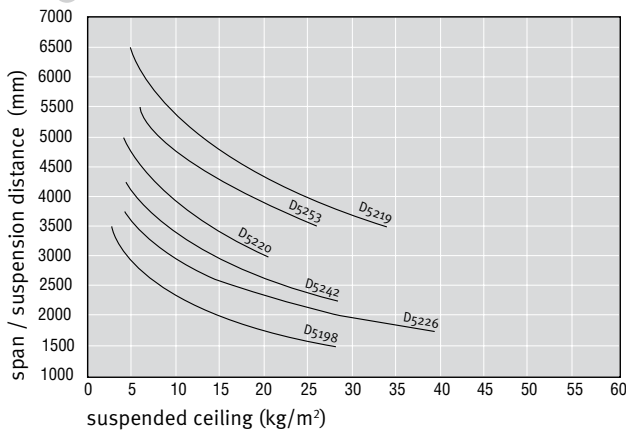
The graphs and diagrams below state the permissible system loads in relation to profile type, profile distances and suspension distances, as well as the way of determining the load for each suspension point. The information is based upon application in usual indoor situations. Any additional loads resulting from wind, fixtures, systems etc. have not been included in the calculations. The suspension method must be determined on the basis of the maximum expected load per suspension point* and the required safety factor.

In order to suspend the system ceiling suspended under the primary suspension system, please refer to the corresponding technical data sheet. This makes the profile distance the same as the suspension distance. It must be possible to readjust the suspension of the system ceiling to the primary profiles to compensate for any deflection of the primary system.

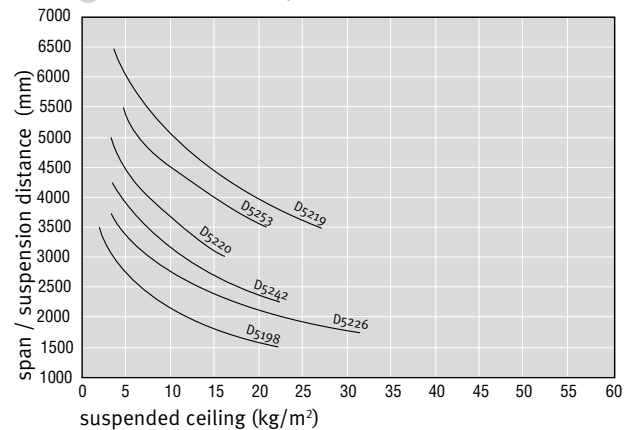
A Profile deflection 1/500 - Profile distance 900



B Profile deflection 1/500 - Profile distance 1.200



C Profile deflection 1/500 - Profile distance 1.500



The graphs show the relation between suspension distances/spans and load related to the weight per m² of the suspended ceiling at a deflection limit of 1/300.

Load per suspension

The primary suspension point carries the load on surface A:

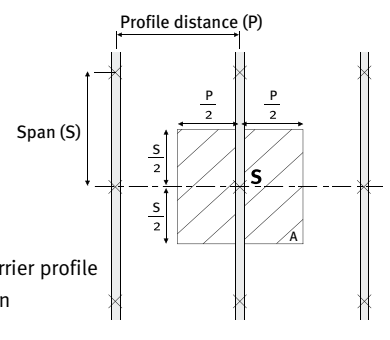
$$A = \left(\frac{P}{2} + \frac{P}{2} \right) \times \left(\frac{S}{2} + \frac{S}{2} \right) = \dots \text{m}^2$$

Ls (kg) = A(m²) x suspended ceiling weight* (kg/m²) + primary profile weight** (kg/m¹ x S)

* See relevant system datasheet

** See page 14

Remark: In this drawing the lateral support beams are not indicated.



QUICK-LOCK® Primary carrier system • permissible loads

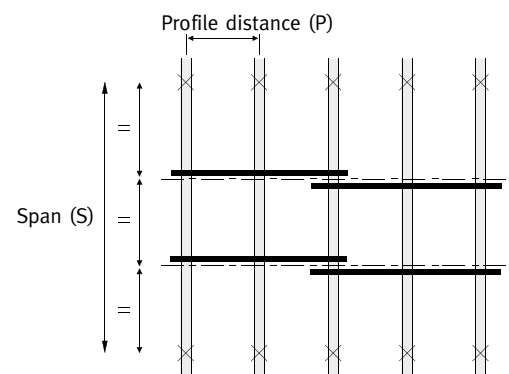
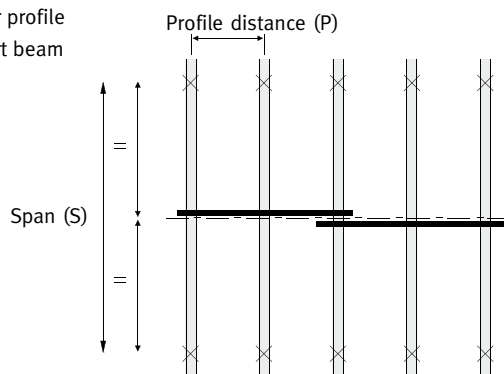
General guidelines

- The bending diagrams show the relation between the suspension distance, profile distance and ceiling weight for a maximum deflection of 1/500 of the span. It may be necessary to adjust the suspension of the primary profiles in order to ensure the flatness of the suspended ceiling.
- The profiles always need to be connected with each other for securing the stability. Depending on the span (S), 1 or 2 lateral support beams must be fitted to each flange to stabilise the profiles. These beams should always be attached using two clamps (type AC29).
- Position length connectors at staggered intervals and as close to a suspension point as possible.
- Always start and finish with full lengths beams in case several profiles are placed in a row.
- Always fit two attachment plates and wall connectors for each connection. All fixation holes on the sides of the profiles must be provided with coupling bolts.

Lateral support beams

	Number of lateral support beams per span	
	N=1 profile	N=2 profile
D5219	> 4500 mm	4500 > 6500 mm
D5253	> 4500 mm	4500 > 5500 mm
D5220	> 4000 mm	4000 > 5000 mm
D5242	> 4000 mm	4000 > 4250 mm
D5226	> 3750 mm	
D5198	> 3500 mm	

 Primary carrier profile
 Lateral support beam
 Suspension



Qty per m² (excl. suspended ceiling - see product data page)

Profile distance	Primary carrier	Primary suspension	Lateral support beams	Brackets AC29 for lateral support beams
900 mm	1.12 m/m ²	$\frac{1}{P \text{ m}^1 \times E \text{ m}^1} = \dots \text{ pce/m}^2$	$\frac{N}{P \text{ m}^1} = \dots \text{ m/m}^2$	$\frac{2 \times N}{P \text{ m}^1 \times E \text{ m}^1} = \dots \text{ pce/m}^2$
1200 mm	0.84 m/m ²			
1500 mm	0.67 m/m ²			

S = Span

P = Profile distance

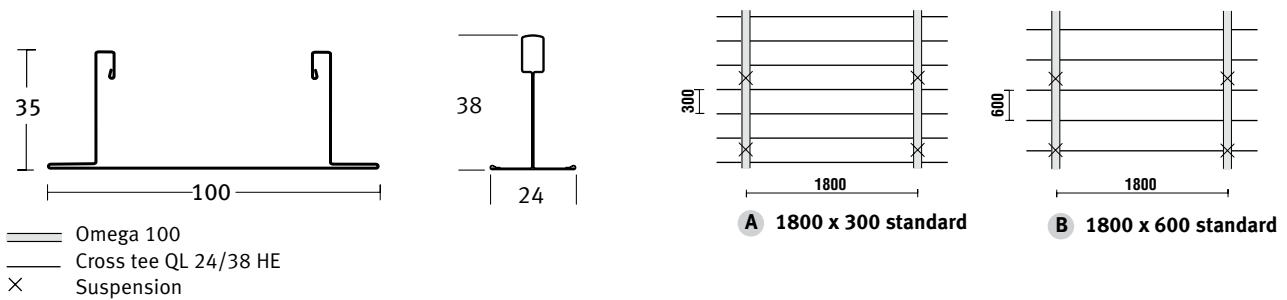
N = Number of lateral support beams

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OMEGA visible • permissible loads and quantities

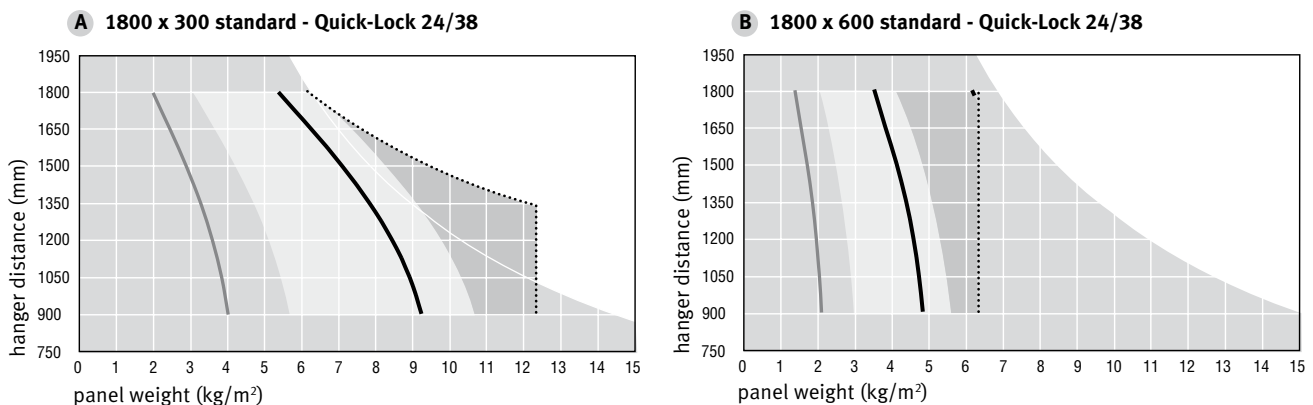
Ceiling lay-out



Permissible loads

The diagrams below state the permissible system loads and the flatness of the ceiling to be expected in relation to system layout and suspension distances. The information is based upon application in usual indoor situations. Any additional loads resulting from wind, fixtures, systems etc. have not been included in the calculations.

The first suspension point must not be placed any more than 450 mm from the edge (end of the ceiling plane). Length couplings should not be fitted at a distance of more than 300 mm from the nearest suspension point.



Qty per m²

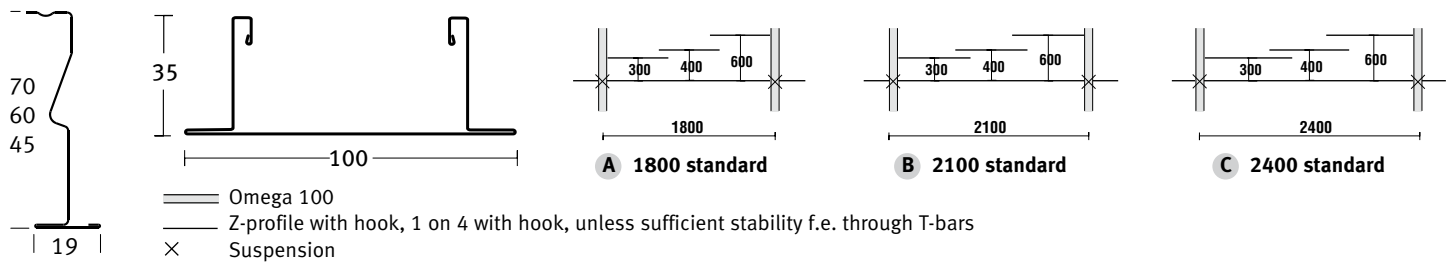
Ceiling lay-out	Omega 100 3600	Cross tee 1724
A 1800 x 300 standard	0,56 m/m²	3,20 m/m²
B 1800 x 600 standard	0,56 m/m²	1,60 m/m²

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OMEGA Semi-Concealed • permissible loads

Ceiling lay-out

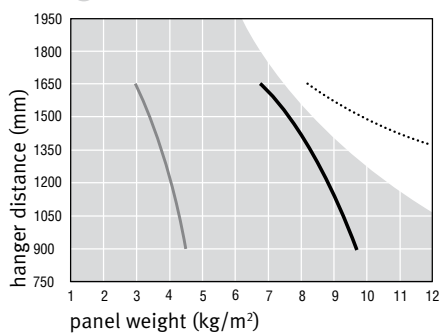


Permissible loads

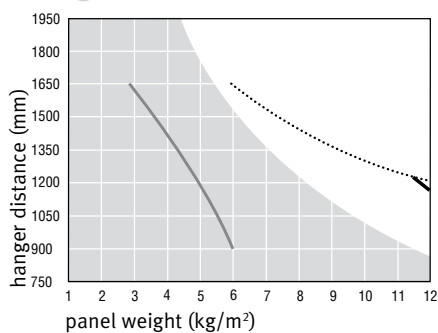
The diagrams below state the permissible system loads and the flatness of the ceiling to be expected in relation to system layout and suspension distances. The information is based upon application in usual indoor situations. Any additional loads resulting from wind, fixtures, systems etc. have not been included in the calculations.

The first suspension point must not be placed any more than 450 mm from the edge (end of the ceiling plane). Length couplings should not be fitted at a distance of more than 300 mm from the nearest suspension point.

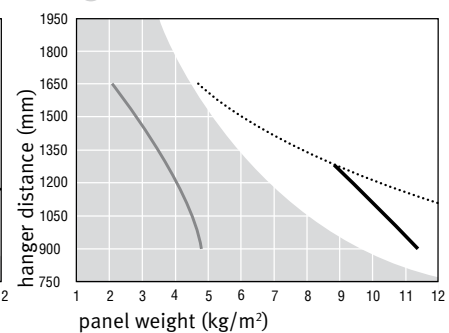
A 1800 x 300 standard - Z-profile 45



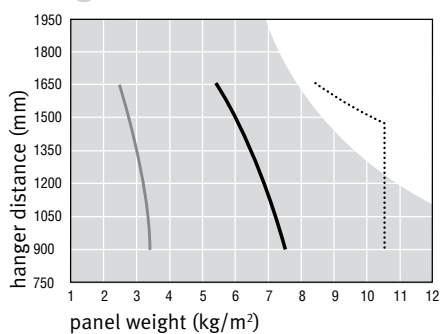
B 2100 x 300 standard - Z-profile 60



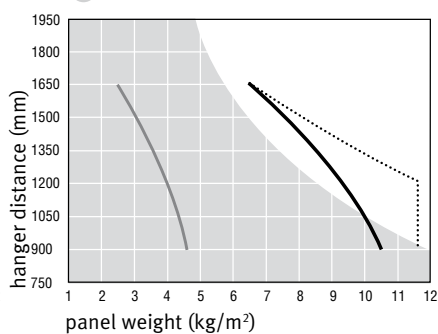
C 2400 x 300 standard - Z-profile 70



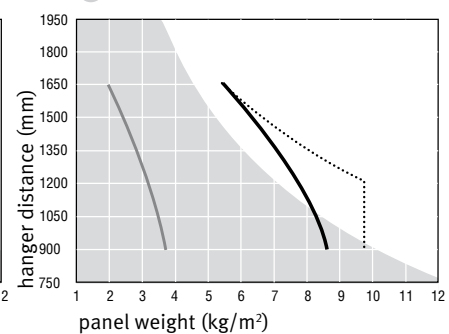
A 1800 x 400 standard - Z-profile 45



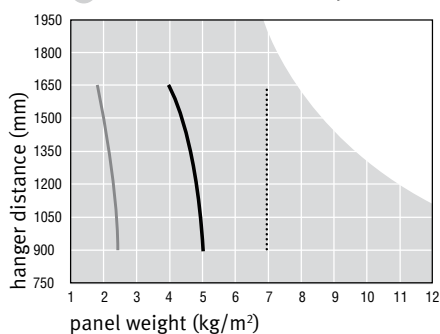
B 2100 x 400 standard - Z-profile 60



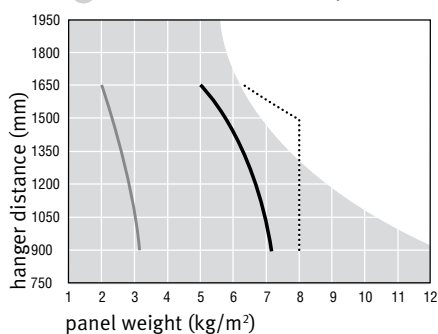
C 2400 x 400 standard - Z-profile 70



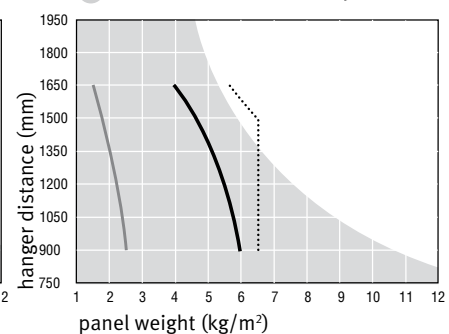
A 1800 x 600 standard - Z-profile 45



B 2100 x 600 standard - Z-profile 60



C 2400 x 600 standard - Z-profile 70



— System deflection - 1 mm

— System deflection - 2 mm

■ up to 25 kg load per suspension point, nonius hanger

..... Application area limit

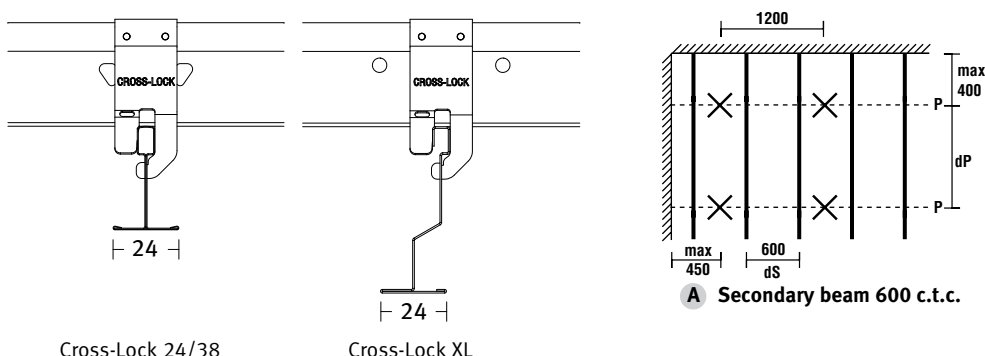
(M_{adm} , deflection class 1 c.f. EN 13964)

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CROSS-LOCK 24/38, XL • permissible loads and quantities

Ceiling lay-out



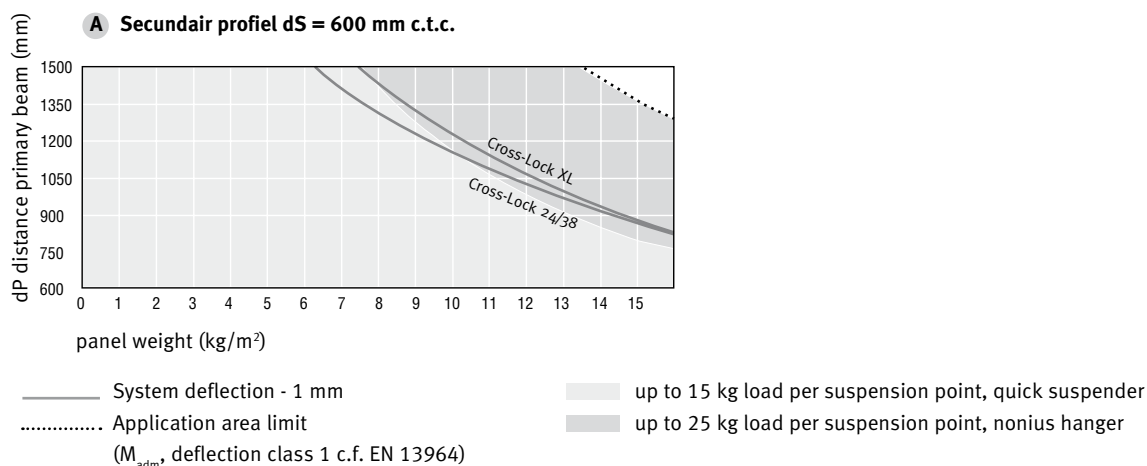
- Primary beam QL 24/38
- Secondary beam QL 24/38, QL stepped T-profile
- × Suspension

Permissible loads

The diagrams below state the permissible system loads and the flatness of the ceiling to be expected in relation to system layout and suspension distances. The diagram below, “Secondary profile 600 mm c.t.c.” also applies to distances of 300 mm or 400 mm.

The information is based upon application in usual indoor situations. Any additional loads resulting from wind, fixtures, systems etc. have not been included in the calculations. One-sided heavy loads may cause the profile to warp. In order to prevent this from happening, a smaller distance can be chosen between the primary profiles. We can advise you about this.

The first primary beam must not be placed any more than 400 mm from the edge (end of the ceiling plane), the first suspension point not more than 450 mm. Length couplings should not be fitted at a distance of more than 300 mm from the nearest suspension point.



Qty per m²

Ceiling lay-out	Primary beam 3600	Secondary beam 3600	Cross-Lock connector
Primary beam 900 c.t.c.	1,12 m/m ²	1,67 m/m ²	1,85 pce./m ²
Primary beam 1200 c.t.c.	0,84 m/m ²	1,67 m/m ²	1,37 pce./m ²
Primary beam 1500 c.t.c.	0,67 m/m ²	1,67 m/m ²	1,11 pce./m ²

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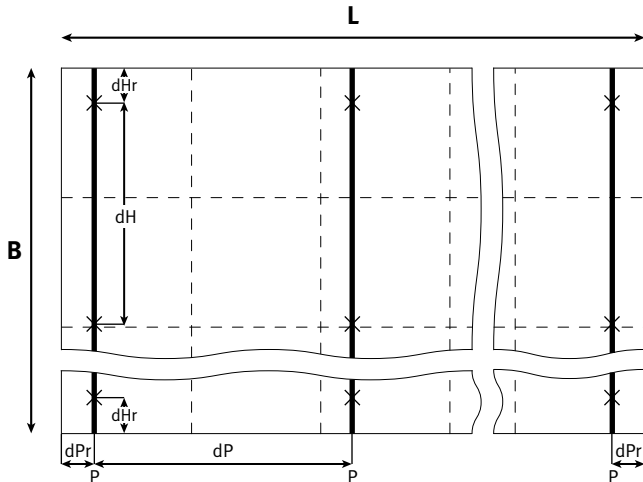
INSULA Standard lay-out Insula 76A, 91A ceiling islands

Standard lay-out for panels 600x600mm and panelload upto $< 8 \text{ kg/m}^2$

B = Modular island width, total width + 37mm

L = Modular island length, total width + 37mm

1. Position suspensionpoints (X) and primary beams (P)



Suspension distances:

dHr = 165mm

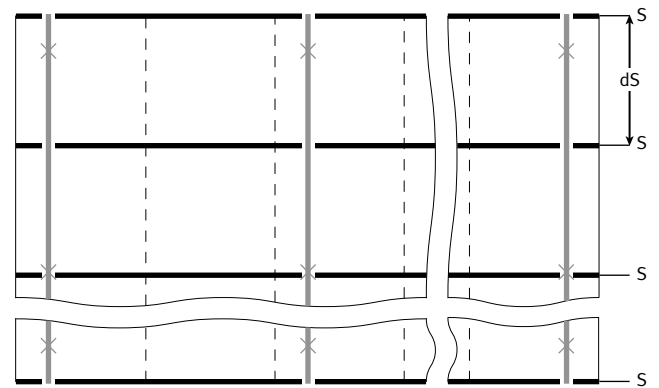
dH = max 1200mm c.t.c.

Position, distances, primary beams:

dPr = 165mm

dP = max 1200mm c.t.c.

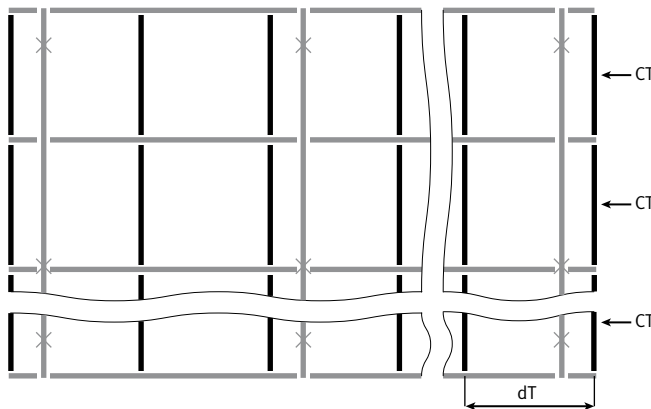
2. Position secondary beams (S)



Position, distances, secondary beams:

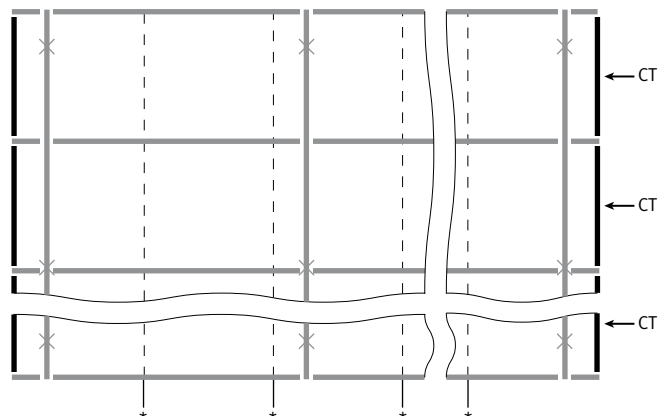
dS = 600mm c.t.c.

3a. Visible version (76A) - position cross-tees (CT)



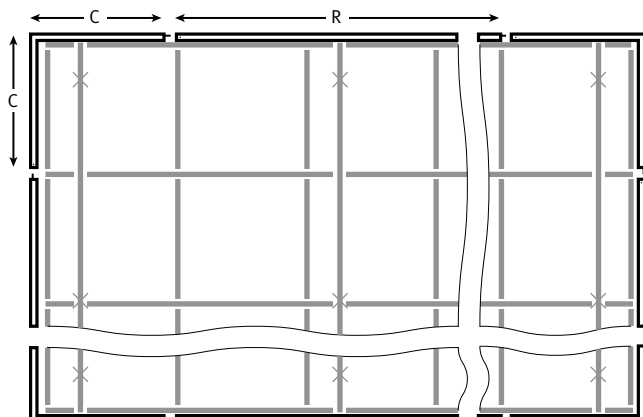
dT = 600mm c.t.c.

3b. Concealed version (91A) - position cross-tees (CT)



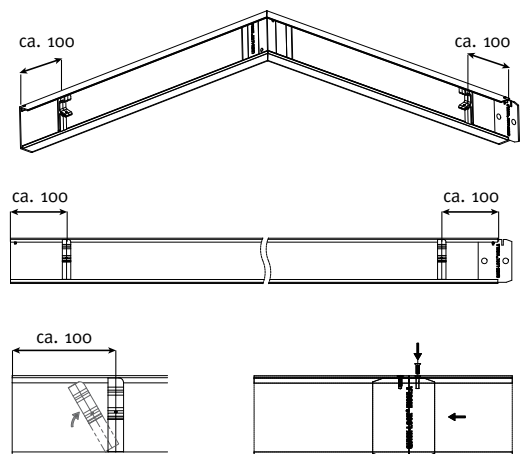
* Depending on paneltype additional cross-tees may be required.

4. Dimensions corner (C) and edge pieces (R)



C = Standard corner piece, modular length 600mm. Total length 618,6mm

R = Edge piece, standard lengths 600, 1200, 1800, 2400mm



Mount edge clips at ca. 100mm from section end.

Secure edge and corner piece connections with the screws.

Conditions of sale and delivery

Article I General

1. The term Seller is taken to refer to Saint-Gobain Acoustical Products International B.V. and/or one or more of its group companies. The term Purchaser is taken to refer to the natural or legal person who/which issues an order to the Seller, which the Seller also accepts, for the delivery of items and/or provision of services.
2. These terms and conditions apply to all quotations and contracts relating to the sale and delivery of items and the provision of services by the Seller, insofar as the two contractual parties do not expressly deviate from these terms and conditions in writing. The Seller explicitly rejects any reference made by the Purchaser to his/its own purchase, procurement or other terms and conditions.

Article II Quotation and Contract

1. All quotations are non-binding unless expressly stated otherwise in writing. Contracts, additions and changes to contracts only become valid after approval by and agreement with the Seller's subordinates and do not bind the Seller unless confirmed in writing by the Seller and only come into effect on the date stated in this confirmation.
2. Unless stated otherwise, each quotation is based on performance under normal circumstances and during normal working hours. In the event of changes in this respect, and changes relating to import duties, taxation, auxiliary materials, freight costs, wages and exchange rates, the Seller reserves the right to pass on these changes in the price, unless expressly agreed otherwise in writing.
3. The Purchaser must inform the Seller of the existing and future statutory requirements with which the product/service provided by the Seller must comply, unless the Purchaser was not aware of these requirements at the time, or could not reasonably be expected to be aware of them. The Purchaser will provide the required drawings, information and instructions. The Purchaser is liable for errors and inaccuracies in the information provided by the contracting authority, as referred to in this article. The Purchaser indemnifies the Seller against claims lodged by third parties which result from errors and inaccuracies as referred to in this article.

Article III Drawings, calculations, descriptions, models, tools, etc.

1. All images, calculations, drawings, photographs, designs, dimensional specifications, weights, colours, grades and other specifications provided by the Seller, and information that is part of a quotation or contract, are non-binding unless the parties have expressly agreed otherwise in writing.
2. The quotations issued by the Seller, as well as the drawings, calculations, descriptions, models, tools, etc. it has produced or issued, remain its property, even if fees have been charged for these items. The Purchaser guarantees that no information relating to the manufacturing and/or construction methods used by the Seller will be copied or adopted in any other way, used or disclosed to third parties, published or made available, unless the Seller's permission has been obtained for this.
3. If the quotation does not result in a contract between the Seller and Purchaser, the Purchaser must - if requested to do so by the Seller - immediately and without charge return to the Seller all documents and proposals relating to the quotation, including the drawings and calculations, etc. referred to under paragraph 2.
4. If the information provided on behalf of or by the Purchaser, based on which the Seller has produced the quotation, does not correspond to the factual situation, the Seller is entitled to receive payment from the Purchaser for all costs of amendments to the items and services to be delivered by the Seller. In the latter case, the delivery time is extended by a period which is considered reasonable in the light of all the circumstances.

Article IV Price

The prices indicated by the Seller are exclusive of VAT and based on ex-works delivery.

Article V Delivery periods

1. The delivery period starts from the last of the following times:
 - a. the day on which the contract is agreed or changed;
 - b. the day on which the Seller receives the documents, information, permits, approved working drawings, etc. that are necessary for fulfillment of the order and the other necessary formalities;
 - c. the day on which the Seller receives the contractually agreed amount that is to be paid in advance before work starts.
2. The delivery periods agreed between the Seller and Purchaser are indicated as accurately as possible by the Seller. However, these delivery periods are indicative and not firm deadlines. The items are considered to have been delivered for the purpose of determining the delivery period when they, or the main parts thereof, - assessed at the Seller's discretion based on standards of reasonableness - are ready for testing at the Seller's factory, or if they are not to be tested in the latter's factory, when they are ready for inspection or dispatch.
3. Overrunning the delivery period - for whatever reason - does not entitle the Purchaser to notify the Seller of default in respect of any of the Seller's obligations, nor to perform the tasks associated with implementation of the contract, or have them performed. Other than in the case of a separate written agreement, the Seller does not accept any liability with regard to compensation for damage, of whatever type, that ensues from a delivery delay.
4. If the Purchaser does not take delivery of the items, the Purchaser is automatically in default without the need for further notification, and the Seller, without prejudice to the provisions of article XI, is entitled to keep these items available for the Purchaser and store them at the Purchaser's expense and risk. If delivery of the items is not accepted within one month from notification of their storage, the Seller is entitled to sell and deliver them to third parties, in which case the associated additional costs will be charged to the Purchaser.

Article VI Transfer of risk and ownership

1. Immediately after the items, or the main parts thereof, are considered to have been delivered in the sense of article V, paragraph 2, the risk for all direct and indirect damage, which may be caused to or by these items or parts, transfers to the Purchaser.
2. Notwithstanding the provisions of the previous article and those set out in article V, paragraph 2, ownership of the items only passes to the Purchaser when everything owed to the Seller in relation to delivery of these items, including interest and costs, has been paid.
3. Notwithstanding the other rights to which the Seller is entitled, if the Purchaser is late in complying with its payment obligations relative to the Seller, or fails completely to comply with them, the Purchaser irrevocably authorises the Seller, without notification of default or judicial intervention, to, at the Seller's first request, dismantle the items the Seller has delivered and which have been attached to movable and/or immovable property, and to take them back, without any prejudice to its right to damage compensation, all of which take place at the expense and account of the Purchaser.

Article VII Payment

1. Payment must, other than subject to concessions granted by the Seller in writing, be made within 30 days of the date of invoice. A credit surcharge of 2% of the invoice amount may be applied on each invoice. This surcharge may be subtracted if payment is made within the period specified on the invoice. If payment has not been made within the set period, the Purchaser is deemed to be in default by operation of law and the provisions in article VI, paragraph 3, come into effect along with paragraph 4 of this article.
2. All payments must be made to an account to be specified by the Seller, without any deduction, suspension and/or set-off.
3. If the Purchaser does not pay within the agreed period, the Purchaser is deemed to be in default by operation of law and the Seller may, without notice of default, charge interest from the due date at a percentage of 1% per month and also charge to the Purchaser all judicial and extrajudicial costs that are associated with collection of the debt. The extrajudicial collection costs are calculated in accordance with the valid rate laid down by the Netherlands Bar Association (Nederlandse Orde van Advocaten).
4. Furthermore, if the Purchaser fails to fulfil its payment obligations in a timely manner, or does not do so at all, the Seller is entitled to terminate the contract and dissolve all other contracts entered into with the Purchaser, without judicial intervention, in which case (or cases), the Purchaser has an obligation to pay the costs incurred by the Seller and compensate damage suffered by the Seller. In addition, all amounts owed by the Purchaser to the Seller, either based on the contract or arising in some other way, become payable immediately.
5. In the case of a sales transaction in instalments and/or on credit, the Seller shall be entitled to demand the guarantees of correct payment which the Seller considers to be reasonable. If these guarantees are not provided, the Seller is entitled to declare the contract automatically null and void, without any obligation to pay damage compensation, and the Seller is subsequently entitled to cancel the contract and all other ongoing contracts entered into with the Purchaser, without judicial intervention, in which case the Purchaser has an obligation to pay the associated costs and damages. Furthermore, all amounts owed by the Purchaser become immediately payable.

Article VIII Warranty and complaints

1. The Seller offers the following warranty, subject to the restrictions stated below:

The Seller only acknowledges material faults and faulty workmanship as a reason for complaint if they do not comply, at the time of delivery, with the classifications relating to the relevant requirements and (NEN) standards in respect of (suspended) ceilings, including the most recent version of NEN-EN 13964 at the time of delivery and the standards associated with it. The warranty does not cover faults that are attributable to incorrect handling and normal wear and tear.

Complaints regarding visible defects must be submitted within 8 days from the date on which the Purchaser receives the items.

- Complaints submitted at a later date will only be handled if the defects concerned were not visible at the time when the consignment was inspected and accepted as correct. These complaints must be submitted as soon as possible, however no later than within 6 months.
- The warranty is offered to the Purchaser alone and may not be transferred and/or pledged under property law without the Seller's permission. The warranty on the ceiling suspension systems delivered by the Seller becomes null and void if and insofar as the Purchaser combines these ceiling suspension systems with ceiling suspension systems and/or parts from third party suppliers. If the Seller accepts the complaint, it may decide to repair the defects, or partially or fully replace the defective items, in which case the Seller is free to charge additional costs to the Purchaser, or, if the parties agree this in writing, draw up a credit note instead of the aforementioned actions.
- Unless expressly agreed otherwise in writing, in respect of repair or overhaul work carried out by the Seller, the Seller's warranty is limited to guaranteeing that the work takes place as instructed and in a sound and professional manner.
- No warranty is given with regard to defects that are fully or partially the result of a government regulation relating to the nature or the quality of the materials used.
- No warranty is given in the event of delivery of, or changes to, used material, or used items, based on consultation with the Purchaser, unless expressly agreed otherwise in writing.
- In the event that the Purchaser issues raw materials or items for processing to the Seller, the Seller's warranty is limited to guaranteeing that the processing takes place as instructed and in a sound and professional manner.
- With regard to parts procured from third parties, the Seller provides the same warranty as that given to the Seller by its supplier.
- If the Seller replaces parts in fulfilment of its warranty obligations, the parts that have been replaced remain the Seller's property.
- Any alleged failure on the part of the Seller to comply with its warranty obligations does not release the Purchaser from its obligations arising from any contract it has concluded with the Seller.
10. If the Purchaser does not comply, or complies belatedly, or improperly, with any obligation, which ensues from the contract it has entered into with the Seller, or any associated contract, the Seller is not obliged to offer warranty of any kind in respect of these contracts.

Article IX Liability

1. The following applies in respect of the Seller's liability for damage suffered by the Purchaser:
 - a. the Seller's liability pursuant to the contract is expressly limited to compliance with the warranty obligations stated in article VIII of these terms and conditions; all demands for damage compensation, other than those associated with failure to comply with the warranty obligations, are excluded.
 - b. all liability for damage, including trading losses or consequential damage, is excluded. The Purchaser indemnifies the Seller against all claims brought by third parties, however they are described and from whatever source they arise, which ensue from the delivery of products and services or the performance of work by the Seller.
 - c. the Seller is not liable for costs, damage and interests that may result as a direct or indirect consequence of:
 - violation of patents, licences or other intellectual and industrial property rights of third parties as a result of use of information provided by or on behalf of the Purchaser, actions or omissions on the part of the Seller, or on the part of the Seller's subordinates, or any other persons employed or subcontracted by the Seller to perform work.
 - delivery period overruns.
 - d. if the Seller provides help and assistance - of whatever type - during assembly and/or sale or resale of the items, this takes place at the Purchaser's risk.
 - e. the Seller's liability for damage to or loss of models and drawings provided by the Purchaser is completely excluded.
 - f. the Seller is prepared to report damage caused to the Purchaser's goods to its insurance company, subject to receiving written notification of the damage within a period of 24 hours from the time when the damage occurred. Reporting damage to the insurance company does not entail acceptance of any liability.
 2. The Purchaser must compensate the Seller for all costs, damage and interests that may arise for the Seller as a direct or indirect consequence of legal actions which are brought against him by third parties in the matter of performance of the contract.
- Purchaser must, pursuant to the contract, comply with any request on the part of Seller to involve in third-party proceedings.

Article X Force majeure

The term 'force majeure' in these General Terms and Conditions of Sale and Delivery refers to any circumstance that occurs independently of the Seller's volition - even if it could already be predicted at the time of entering into the contract - which obstructs performance of the contract permanently or temporarily, including, insofar as not already covered by the above, armed conflict, a threat of war, civil war, rioting, strikes in the broadest sense of the word, employee lockouts, transportation difficulties, supply embargoes, failure of machines and/or tools, fire and other causes of serious disruption to the Seller's business or to its suppliers' businesses.

Article XI Suspension and dissolution on the part of the Seller

1. If performance of the contract is prevented due to force majeure, the Seller is, without judicial intervention, entitled to suspend performance of the contract, or dissolve the contract fully or partially without becoming liable to pay any damage compensation.

In the event of suspension, the Seller is authorised to, and, at the end of the period of suspension, obliged to opt for performance or fully or partially dissolve the contract.
2. Both in the case of suspension, and in the case of dissolution pursuant to the 1st paragraph, the Seller is entitled to demand immediate payment of the raw materials, materials, parts and items, which it has reserved, started to process and manufactured for the purpose of fulfilling the contract, at the value which must be assigned to these items in all reasonableness. In the event of dissolution pursuant to the 1st paragraph, the Purchaser must, after payment of the amounts owed in accordance with the previous paragraph, take delivery of the items specified there, subject to the proviso that, if it fails to do so, the Seller is authorised to put these items into storage at the expense and risk of the Purchaser, or sell them on the Purchaser's account.
3. If the Purchaser fails to comply with any of its obligations ensuing from the contract it has entered into with the Seller, or those ensuing from an associated contract, or fails to do so properly, or does not do so in good time, or if there are serious doubts as to whether the Purchaser is capable of complying with its contractual obligations relative to the Seller, and also in the case of bankruptcy, suspension of payments, cessation of activities, liquidation or full or partial transfer of the Purchaser's business, including a major share of its payables, or if the Purchaser offers an agreement outside of bankruptcy, and in the event of the seizure of any assets of the Purchaser, the Seller is, without prejudice to the provisions of article V, without notice of default and without judicial intervention, entitled either to suspend performance of each of these contracts, or to dissolve them either fully or partially, without becoming liable for any damage compensation or warranty, and without prejudice to any other rights it may have. During the suspension, the Seller is authorised and, at the end of the suspension, the Seller is obliged to opt either for performance or full or partial dissolution of the suspended agreement(s).
4. In the event of suspension pursuant to the 3rd paragraph, the agreed price becomes immediately payable, subject to subtraction of the instalments that have been already paid and the costs saved by the Seller due to the suspension, and the Seller is authorised to put the raw materials, materials, parts and items it has reserved, started to process and manufactured into storage at the expense and risk of the Purchaser.

In the event of dissolution pursuant to the 3rd paragraph, the agreed price - if no previous suspension has occurred - becomes immediately payable, subject to subtraction of the instalments that have been already paid and the costs saved by the Seller due to the dissolution, and the Seller is authorised to put the raw materials, materials, parts and items it has reserved, started to process and manufactured into storage at the expense and risk of the Purchaser, or sell them on the Purchaser's account.

Article XII Cancellation on the part of the Purchaser

If the Purchaser cancels an order issued to the Seller, the Purchaser must pay the Seller a fee of 25% of the agreed order price, which is compensation for the general costs already incurred by the Seller and the lost profit.

In addition, the Purchaser must pay the Seller the costs which the Seller has incurred for the items that have been specially produced or purchased for the order in question.

These items will be made available to the Purchaser and the Purchaser must take delivery of them within 8 days.

Article XIII Disputes

All contracts are governed exclusively by Dutch law.

All disputes will be brought before the competent court within the court district where the Seller has its registered place of business, or, if the Seller so chooses, before the competent court within the Purchaser's jurisdiction.

Article XIV Precedents

The above text is a translation.

If any differences of interpretation and/or differences of opinion, ambiguities or disagreements of any other kind exist and/or arise in respect of the Dutch text and one of the translations of these General Terms and Conditions of Sale and Delivery, the Dutch text prevails and is binding.

QUICK-LOCK® Summary pallet quantities

Description		Number of cartons	Pces. per carton	Total in meters	Weight
Main beams					
Quick-Lock 15-38 mm	3000 mm	70	20	4200	1305
Quick-Lock 15-38 mm	3125 mm	70	20	4375	1395
Quick-Lock 24-38 mm	2400 mm	70	20	3360	1105
Quick-Lock 24-38 mm	3000 mm	70	20	4200	1450
Quick-Lock 24-38 mm	3600 mm	70	20	5040	1795
Quick-Lock 24-38 mm	3750 mm	70	20	5250	1870
Cross tees					
Quick-Lock 15-38 mm	600 mm	128	60	4608	1585
Quick-Lock 15-38 mm	1200 mm	64	60	4608	1545
Quick-Lock 24-38 mm HE	600 mm	128	60	4608	1760
Quick-Lock 24-38 mm HE	1200 mm	64	60	4608	1705
Quick-Lock 24-38 mm RE	600 mm	128	60	4608	1480
Quick-Lock 24-38 mm RE	1200 mm	64	60	4608	1435
Quick-Lock 24-32 mm	600 mm	144	60	5184	1515
Quick-Lock 24-32 mm	1200 mm	72	60	5184	1455
Wall angles					
Wall angle 19/19 3000 mm		60	30	5400	865
Wall angle 19/24 3000 mm		60	30	5400	955
Wall angle 24/24 3000 mm		60	30	5400	1125
Shadow angle 24 x 12 x 12 x 24 mm		60	25	4500	1330
Shadow wall angle 25 x 15 x 8 x 15 mm		72	25	5400	1435
Shadow wall angle 27 x 15 x 6 x 15 mm		72	25	5400	1435
Omega profiles					
Omega profile 100 mm 1700 mm		54	4	367	485
Omega profile 100 mm 3600 mm		30	8	864	885



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