



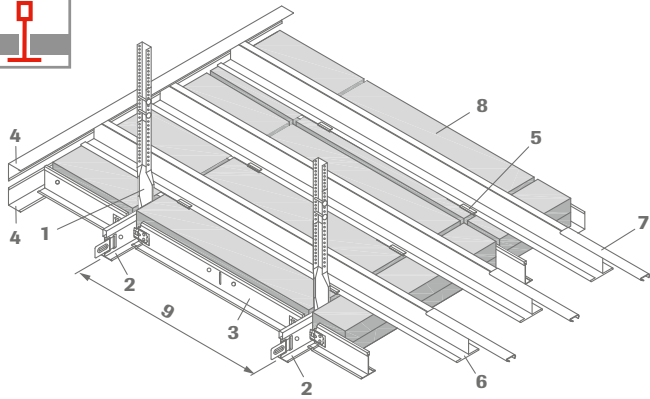
**Ball impact resistant ceiling
with excellent acoustic
performance**

Ball impact resistant, exposed,
with acoustic performance

OWAlifetime collection

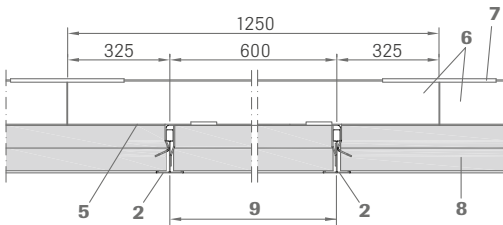
OWA

System S 3 sports | Ball impact resistant, exposed

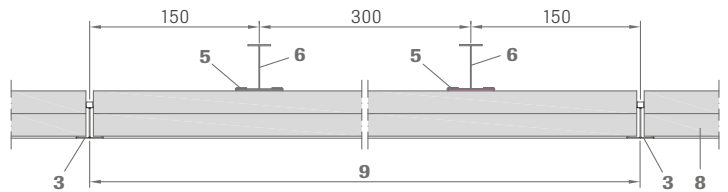


- 1 Nonius hanger no. 17/45 and hanger extension (nonius) no. 16/..., distance ≤ 1200 mm, safety pin no. 76 (2 pieces) or nail no. 78 (2 pieces)
- 2 Main tee cliq-24-MR, distance ≤ 625 mm
- 3 Cross tee short cliq-24-CT-bws
- 4 Wall angle no. 50G
- 5 Cross connector sports no. 31
- 6 Stiffening profile sports no. 30, length 1250 mm tightly butted
- 7 Connector no. 77
- 8 OWAacoustic premium Sinfonia sports
- 9 Center distance ≤ 600 mm

Section:

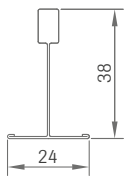


Cross-section:

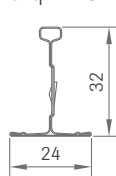


Section dimensions:

Main tee cliq-24-MR

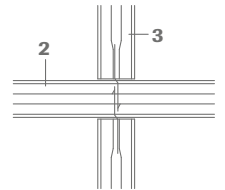


Cross tee short cliq-24-CT-bws



Installation:

The connecting profiles are provided with riveted clips at both ends. Two connecting profiles each are to be clicked into a slot. It must be ensured that the side clips are flush and not inverted. The ends of the support profiles are provided with click connectors.



Technical data | Mineral tiles

Dimensions

600 x 600 mm

Designs

Sinfonia sports

Edge details



Thickness

40 mm nom. (OWAcoustic premium)

Resistance to fire

A2-s1,d0 in accordance with EN 13501-1

Metal suspensions

All metal components listed are galvanized steel or white coated galvanized steel respectively. **Only** available as OWAcliq system.

Suspension depth

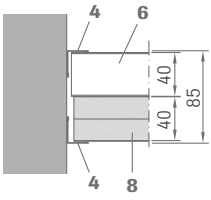
For ease of access the minimum recommended suspension height is ≥ 230 mm.

Sound absorption



$\alpha_w = 0.85$ | $NRC = 0.85$

Wall angle details:



Circumferential wall profile no. 50G is used to support the ceiling. In the area of the incoming stiffening profiles sports no. 30, an additional wall profile no. 50G is required as a counter bearing.

Connections to non-tested fixtures must generally be made in a sliding form!

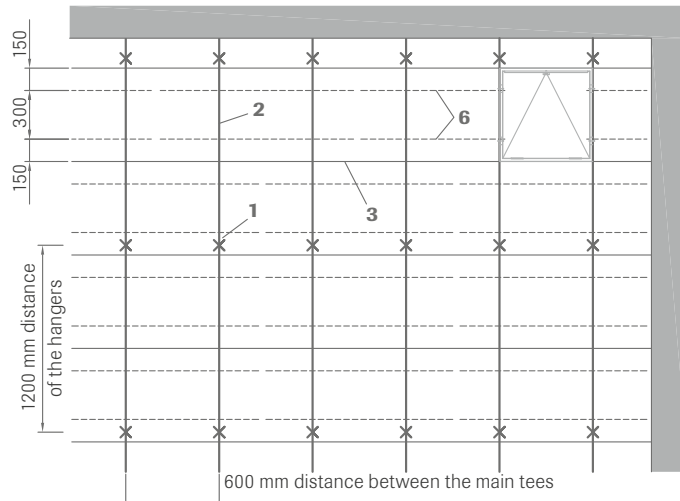
In case of interruptions of the suspended ceiling by beams or similar components, please consult OWAconsult regarding the execution.

Installation examples:

Module 600 x 600 mm

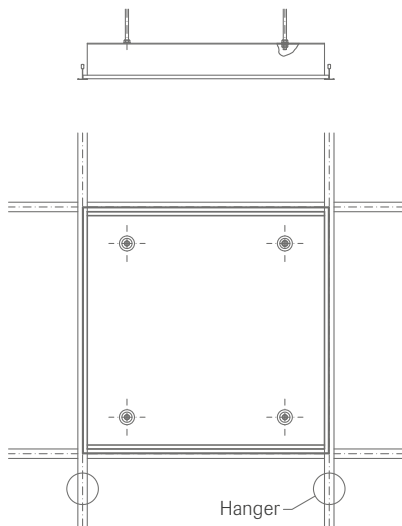
Attention:

In order to close the ceiling panel with the S 3 sports system, at least one inspection hatch must be installed in one corner of the room in the penultimate row of panel



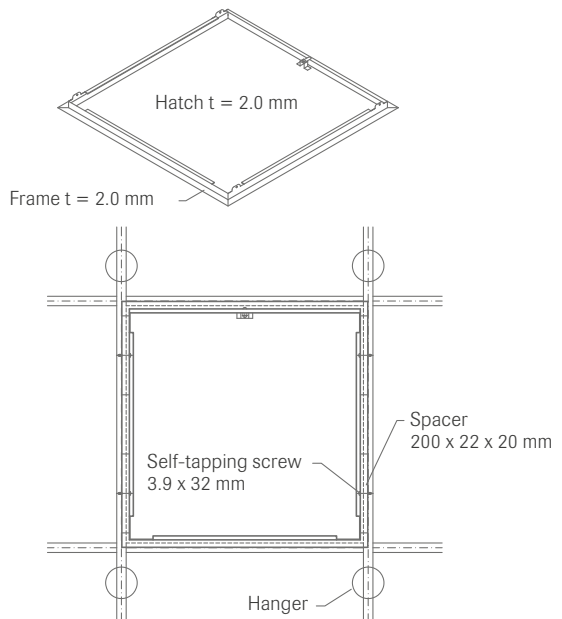
Light fixtures:

During installation, luminaires must be suspended from the bare ceiling with suitable hangers (e.g. threaded rods) in accordance with the manufacturer's instructions. The supplier must provide roof of usability in the OWA System S 3 sports.



Inspection hatch no. 8032-sports:

The inspection hatch has a closed sheet steel cover and must be suspended separately at all four corners. The hatch is screwed to the structure at 4 points with 3.9 x 32 mm self-tapping screws and a spacer to the construction.



System S 3 sports | Ball impact resistant, exposed

Material requirements per m² (approximations):

Module sizes in mm

No.	Description	600 x 600
17/45	Hanger	1.4 pcs
cliq-24-MR	Main tee	1.67 m
cliq-24-CT-bws	Cross tee short	1.67 m
30	Stiffening profile sports	3.34 m
77	Connector	2.67 pcs
31	Sports cross connector	5.56 pcs
50G	Wall angle	Depending on room size and shape

OWA supplies suitable inspection hatches for this system:

Inspection hatch:

Description	Dimension	OWA-No.
Inspection hatch sports	600 x 600 mm	No. 8032-sports

Weight per m²:

	600 x 600
Suspension system approx.	3.4 kg/m ²
Tile 40 mm. approx.	9.2 kg/m ²



The test certificate of the MPA Leipzig with the test for ball impact resistance and impact strength is available. Tested as ball impact resistant according to DIN 18032-3:1997-04 „Sports halls, halls for gymnastics and games and multi-purpose use, testing of ball impact resistance“ for the application area ceiling as well as EN 13964, Annex D Class 1A (impact velocity 16.5m/sec ± 0.8).

System description:

Visible OWAconstruct System S 3 sports (lay-in system)

Quality requirements for mineral tiles:

OWAacoustic mineral tiles firmly bound with a primer coat on both sides. The tile is free from asbestos. No formaldehyde is added in the manufacturing process of the mineral tiles. The mineral wool used for the manufacture of the tile is bio-soluble. The criteria for non-classification as a carcinogenic substance in accordance with the Chemicals Prohibition Ordinance (Section 1 Appendix, Paragraph 23 biopersistent fibres) are met and guaranteed by the „RAL seal of approval for mineral wool“. Verification of fitness for use according to EU CPR: CE marking and Declaration of Performance (DoP).

Mineral tiles accordance with EN 13964 and DIN 18177:

Air permeability class	PM 1
Formaldehyde class	FH 1
Emission of VOC	TVOC 1

Installation should be carried out in accordance with the information contained in system leaflet S 3 cliq e and [OWA-Installation Guide 9801 e](#). All components are CE labelled.

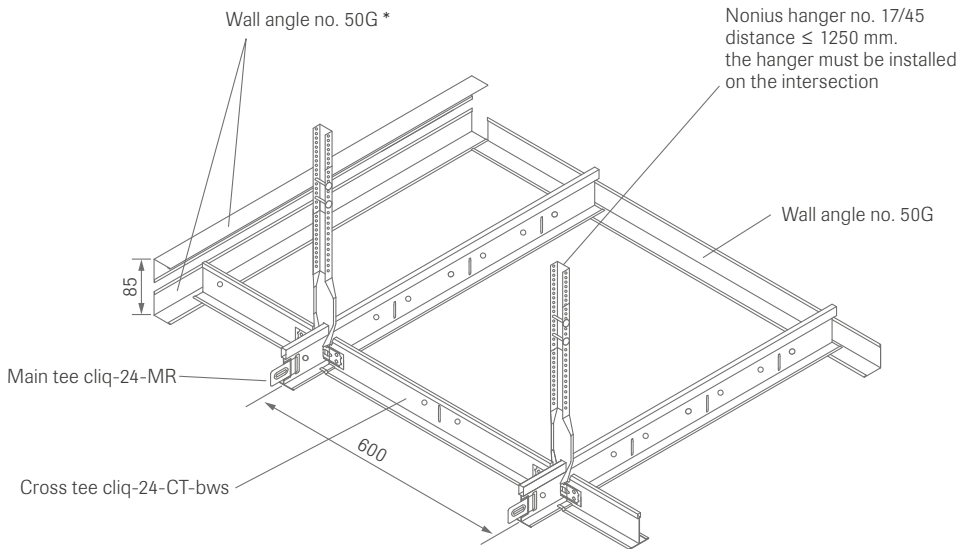
Component list:

OWAconstruct nonius hanger no. 17/45
 OWAconstruct main tee cliq-24-MR
 OWAconstruct cross tee short cliq-24-CT-bws
 OWAconstruct stiffening profile sports no. 30
 OWAconstruct connector no. 77
 OWAconstruct cross connector sports no. 31
 OWAconstruct wall angle no. 50G

(The S 3 sports system is only available with OWAcliq profiles)

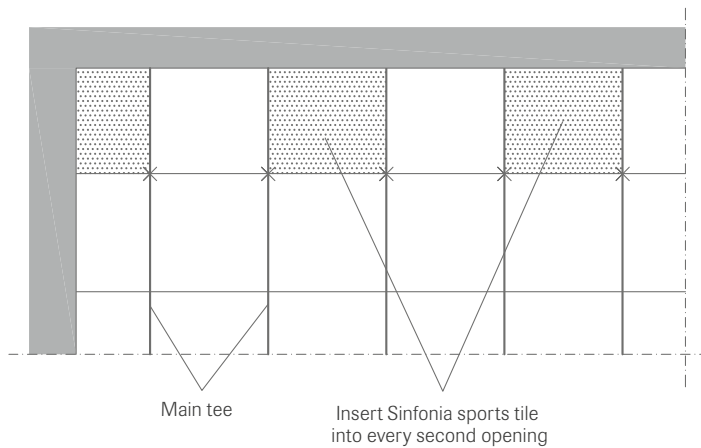
System S 3 sports | Installation guide

1. Install the substructure of the system S 3 sports including wall angle in accordance with [installation guide 9801 e](#).



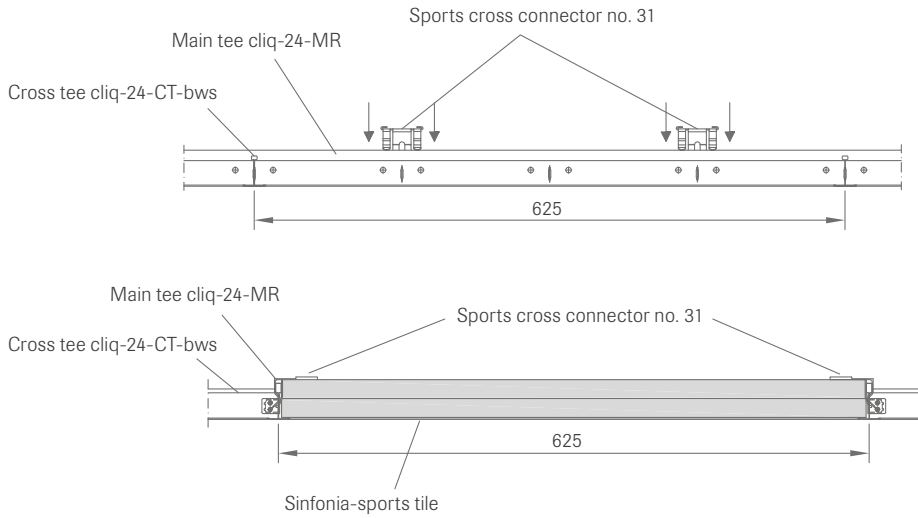
* A second wall angle is required to brace the sports stiffening profiles, after they are installed, thus preventing movement at the perimeter.

2. The tiles must be installed in rows perpendicular to the main tee. Insert a Sinfonia sports tile into every second grid opening.

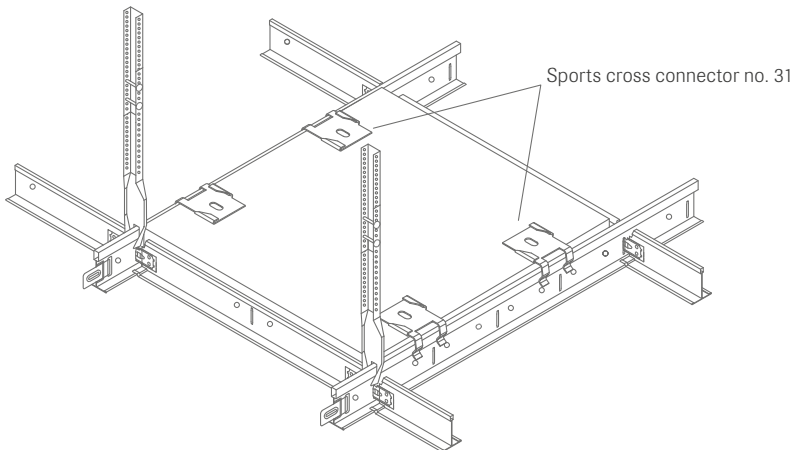


System S 3 sports | Installation guide

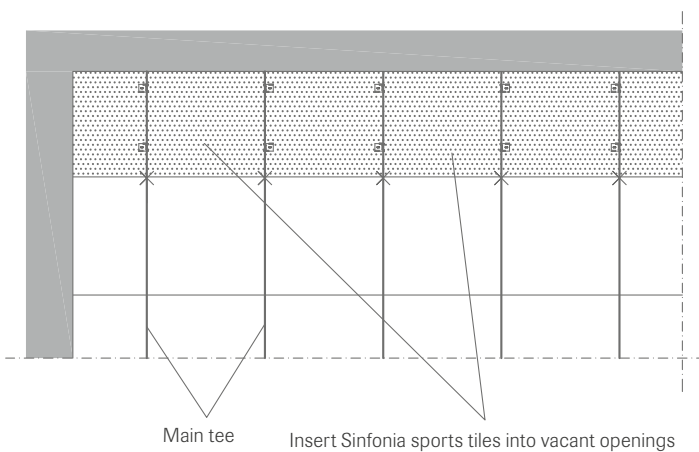
3. Clip the sports cross connectors no. 31 onto the main tees cliq-24-MR. The main tee cliq-24-MR slot indicates the fixing position of the sports cross connector no. 31.



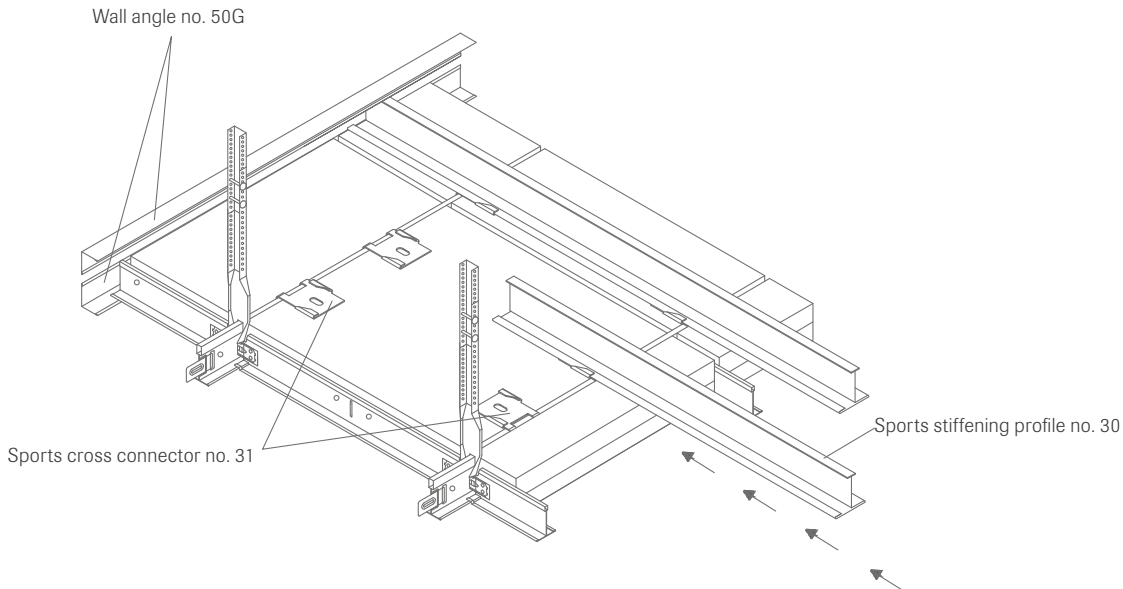
For each tile, 4 sports cross connectors no. 31 are required to hold the tile in position.



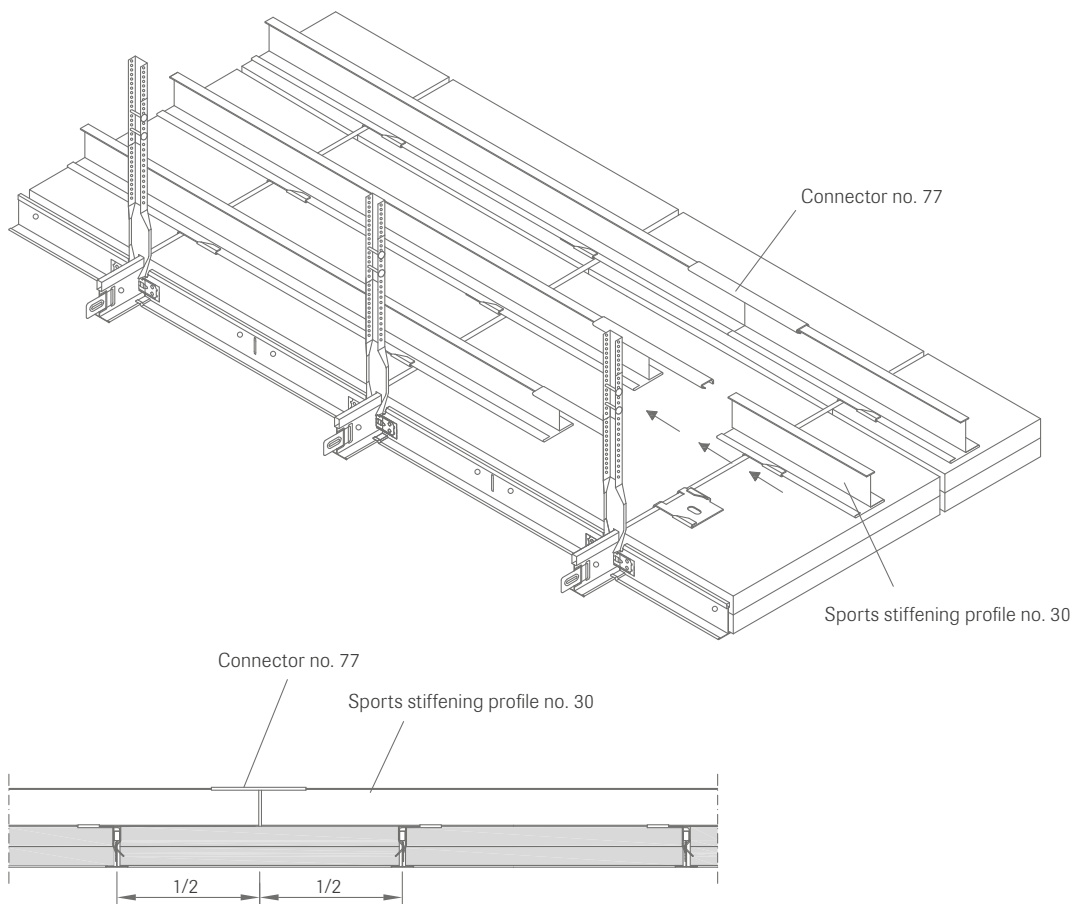
4. To install the remaining Sinfonia sports tiles into the respective row, apply a little pressure to the tile until it locates and is flush to the clipped tiles.



5. Slide sports stiffening profile no. 30 through the pre-positioned sports cross connectors no. 31, align according to system sheet S 3 sports. The end of the sports stiffening profile no. 30 will slide under the previously installed additional wall angle no. 50G. The wall angle braces the installed system.



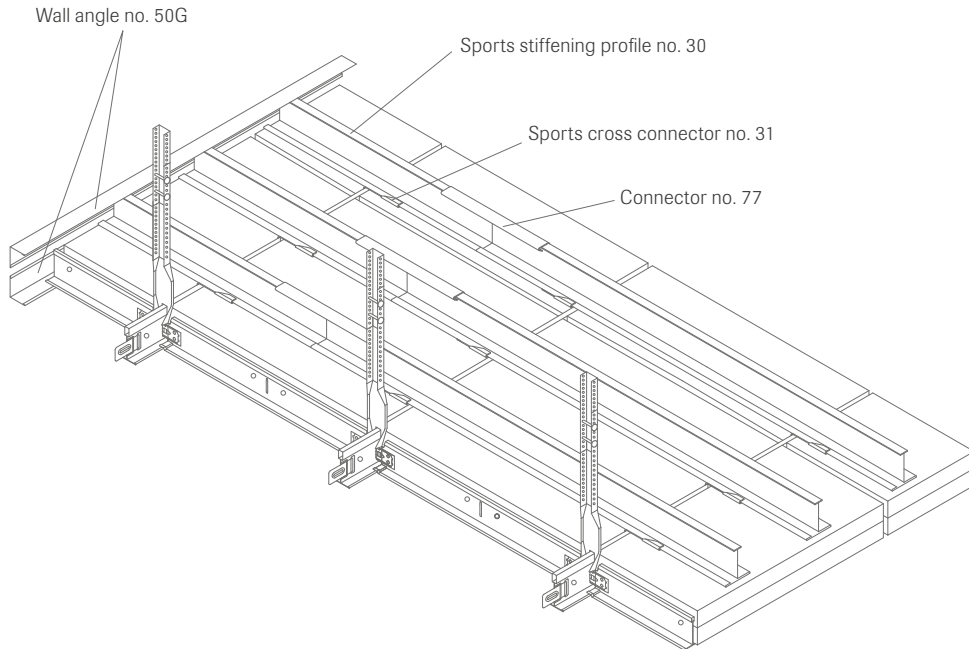
6. Slide longitudinal connector no. 77 onto sports stiffening profile no. 30 and attach to the next incoming sports stiffening profile no. 30 and crimp using pliers, or similar..



System S 3 sports | Installation guide

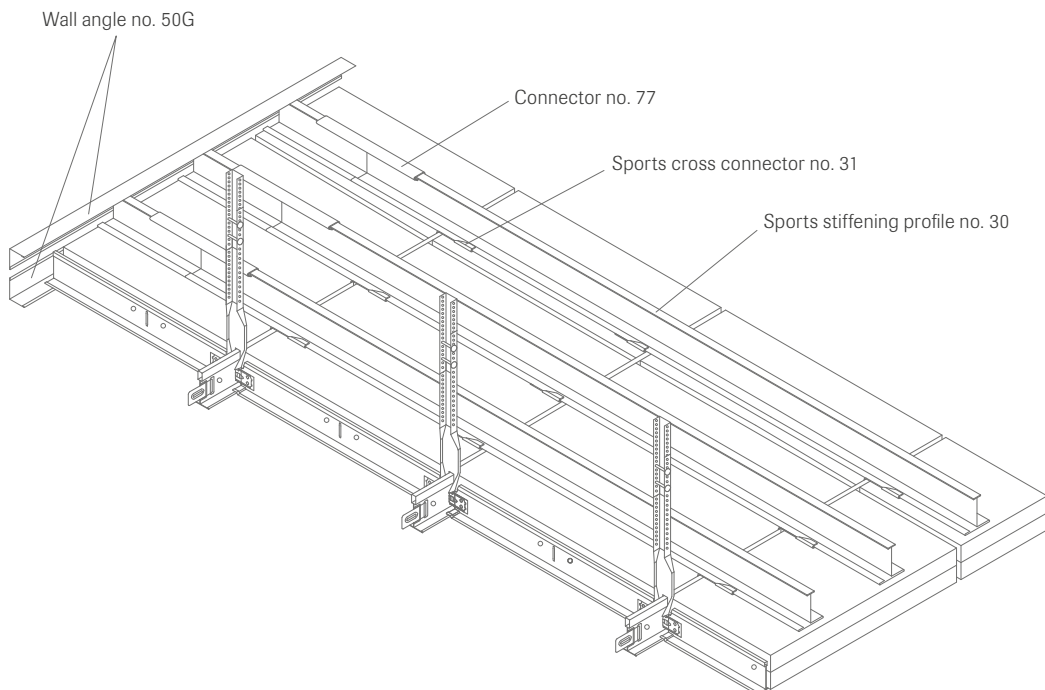
7. Sports stiffening profile no. 30, length 1250 mm ends in the second last tile opening:

Sports stiffening profile no. 30 cut to length - turn sports cross connector no. 31 to sports stiffening profile no. 30 - press together onto main tee cliq-24-MR, slide in extension to the already installed sports stiffening profile no. 30 and press by the connector no. 77.



8. Sports stiffening profile no. 30, length 1250 mm ends in the last tile opening.

Cut sports stiffening profile no. 30 to length and slide into the already installed connector no. 77 on the end of the previous sports stiffening profile no. 30. Crimp appropriately.



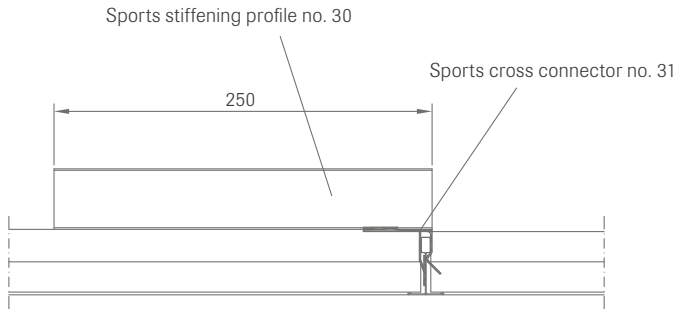
Attention:

To complete the S 3 sports system installation, at least one inspection hatch no. 8032-sports must be used. This should be installed towards the corner of the room in the penultimate row of tiles.

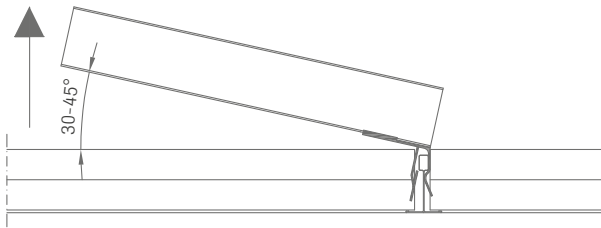
System S 3 sports | Dismantling instructions

How to remove sports cross connector no. 31 for necessary repairs

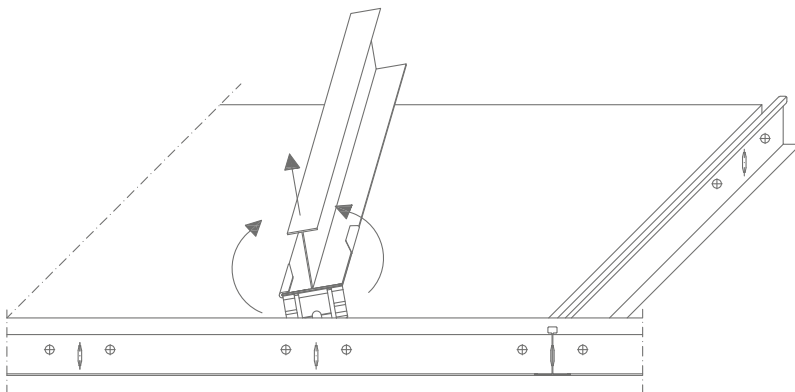
1. Slide approx. 25 cm of a sports stiffening profile no. 30 onto the connector.



2. Raise sports stiffening profile no. 30 to 45° until the front part of the sports cross connector no. 31 can slide over the bulge of the main tee cliq-24-MR.



3. The sports stiffening profile no. 30 acts as a lever, the connector can be removed using lateral movements.





Certified Management Systems

Product warranties

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