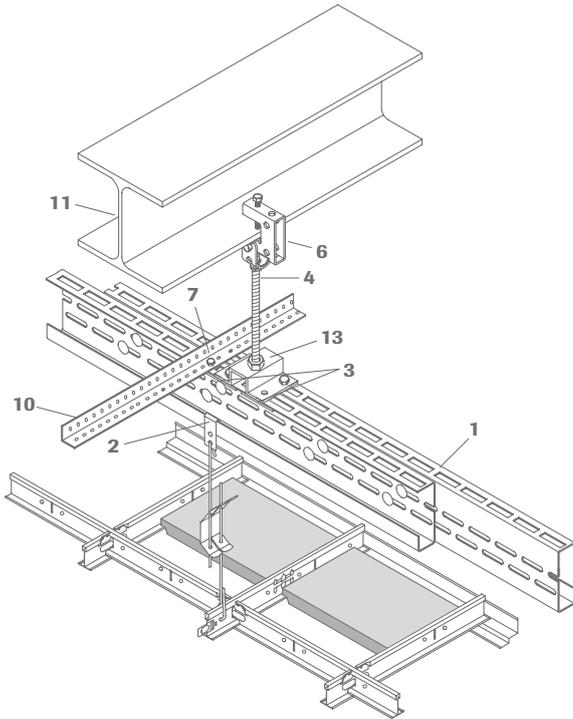


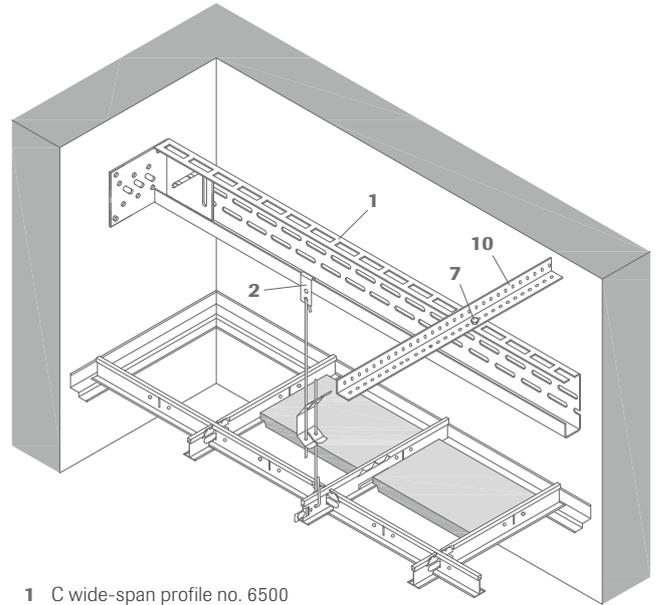
Wide span beam profile for OWAacoustic ceilings systems

It is not always possible to suspend OWA ceiling systems directly from the existing unfinished ceiling or roof structure. When existing structures cannot bear any additional weight from a suspended ceiling, or spans that are too large to be bridged with standard versions of the OWA ceiling systems, OWAconstruct wide span profiles can be used. In addition to the exposed OWAconstruct System Type 8550 ([see brochure 9608 e](#)), our wide span profiles, system type 6500, can be used in such areas.

Isometry as continuous profile:



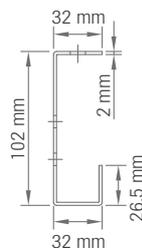
Isometry of profile on two supports:



- 1 C wide-span profile no. 6500
- 2 Suspension clamp no. 6510
- 3 Ground plate no. 6520 (2 pieces per suspension, offset diagonally)
- 4 Threaded rod M10 (on site)
- 5 Nut M10 and shim M10 (on site)
- 6 Suspension clamp no. 6530
- 7 Self-tapping screw no. 6540
- 8 Mounting set no. 6550
- 9 Wall fixing angle no. 6560, fixing to wide-span profile min. 4 installation sets no. 6550
- 10 Grid angle no. 6570
- 11 Steel support
- 12 Fixing materials based on static requirements and manufacturer's instructions
- 13 Adapter no. 6580 for hanging double supports
- 14 screw M 8 x 30 mm, nut M 8 and shim (on site) (2 per suspension, offset diagonally)

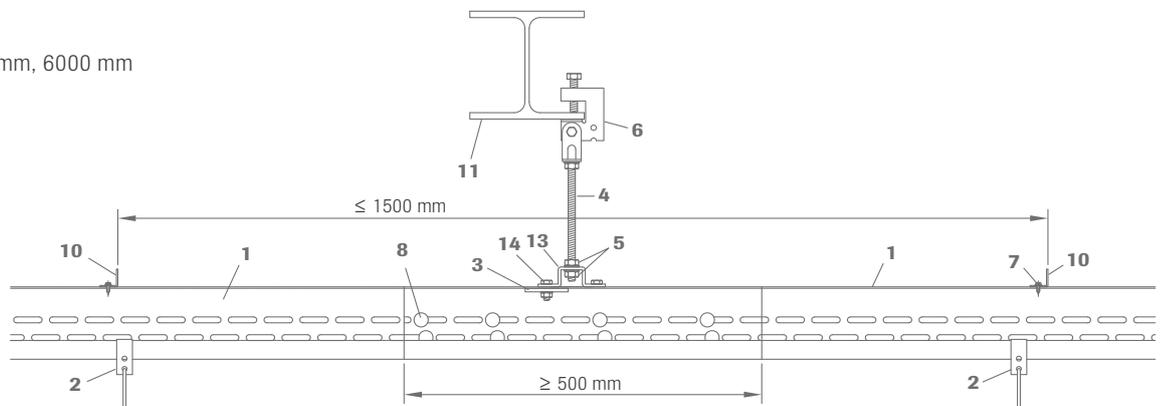
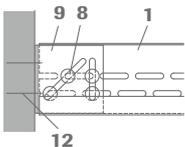
Wide span beam profile no. 6500:

Depending on the grid spacing of the wide span profiles and the weight of the suspended ceiling, spans of up to 7.7 m can be realized.



Delivery lengths: 4000 mm, 6000 mm

Wall perimeter:



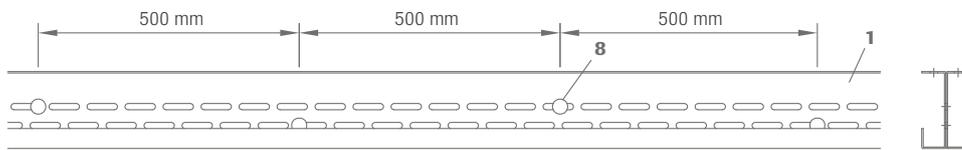
Installation of a continuous profile:

The profiles must overlap by at least 500 mm back to back and are screwed together with at least 8 installation sets no. 6550. It is essential to suspend this area.

Wide span beam profile type 6500

Double profile screw coupling:

screw fastened offset with the installation set no. 6550 every 500 mm. No piecing together permitted.



Span Table - Wide Span Profiles 6500:

Sagging $l/300$

Load: 0.10 kN/m²

OWA ceiling to 0.08 kN/m² and additional load ≤ 0.02 kN/m²

| Module distance | Span] | Bearing load | Span] [| Bearing load |
|---------------------------|----------------------|---------------------------|--------------------|--------------|
| C-wide span beam profiles | C-6500 single | (Profile on two carriers) | 6500 double | |
| 750 mm | 6310 mm | 0.32 kN | 7380 mm | 0.46 kN |
| 1000 mm | 5860 mm | 0.37 kN | 6940 mm | 0.52 kN |
| 1250 mm | 5510 mm | 0.41 kN | 6600 mm | 0.58 kN |

Load: 0.08 kN/m²

OWA ceiling to 0.08 kN/m² without additional load

| Module distance | Span] | Bearing load | Span] [| Bearing load |
|---------------------------|----------------------|---------------------------|--------------------|--------------|
| C-wide span beam profiles | C-6500 single | (Profile on two carriers) | 6500 double | |
| 750 mm | 6660 mm | 0.28 kN | 7700 mm | 0.42 kN |
| 1000 mm | 6210 mm | 0.33 kN | 7280 mm | 0.47 kN |
| 1250 mm | 5860 mm | 0.37 kN | 6940 mm | 0.52 kN |

In the case of unequal spans of adjacent fields of continuous profiles, the ratio of large to small span must not be greater than two.

Example:

Span field 1: 3000 mm, span field 2: 5000 mm → **permissible** (ratio less than two)

Span field 1: 3000 mm, span field 2: 6100 mm → **not permissible** (ratio greater than two)

For design details and information, refer to [OWA installation guide 9801 e](#).

For technical questions or fire protection requirements, please contact our OWAconsult team.



Certified Management Systems

Product warranties

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The information in this brochure is up-to-date at the time of publication. Subject to alterations. Please contact our OWAconsult team for specific advice. Our experts will be happy to answer your questions using the following contact details: tel: +49 9373 201-444 or e-mail: info@owaconsult.de

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