



Product Datasheet

# Open Land System

## ISYS 2.1



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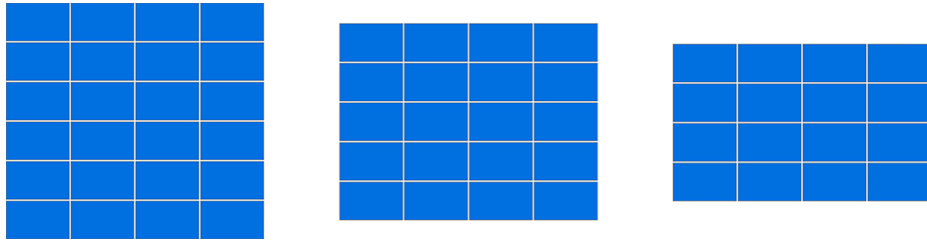
The ISYS product range has been developed by our engineers to meet the worldwide requirements of an efficient assembly system.

In addition to high quality materials and an ergonomic design, the main criterion was the range of short assembly times.

Oberhauser Bau-Systeme combines high-quality materials, well thought-out design and customer-oriented thinking to **"efficiency in detail"**.

- ✓ Double-Pile-System for maximum performance
- ✓ Optimised static for maximum efficiency
- ✓ Shortest assembly times
- ✓ Quick module installation with "Klick" - clamps
- ✓ Various cable trenches within the system

## Layout Options



## System Components

### C-Profile 140x80x3,0-3.5



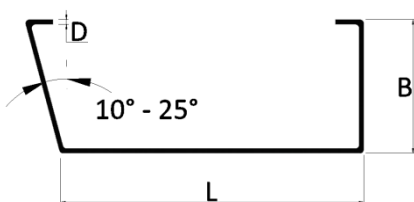
|                  |                                  |
|------------------|----------------------------------|
| <b>Item-Nr.:</b> | <b>PRSTC14080</b>                |
| Dimensions:      | L: 140mm B: 80mm D: 3,0-3,5mm    |
| Material:        | Steel S350GD                     |
| Coating:         | ZM310 – ZM1000<br>ZM600 – ZM1200 |
| Unit:            | 1 meter                          |

### C-Profile 75x50x2,3



|                  |                                  |
|------------------|----------------------------------|
| <b>Item-Nr.:</b> | <b>PRSTC7550</b>                 |
| Dimensions:      | L: 75mm B: 50mm D: 2,3mm         |
| Material:        | Steel S320GD                     |
| Coating:         | ZM310 – ZM1000<br>ZM600 – ZM1200 |
| Unit:            | 1 meter                          |

### Special Profile 160x70x2,5



|                  |                                  |
|------------------|----------------------------------|
| <b>Item-Nr.:</b> | <b>PRSTC16070</b>                |
| Dimensions:      | L: 160mm B: 70mm D: 2,5mm        |
| Material:        | Steel S320GD                     |
| Coating:         | ZM310 – ZM1000<br>ZM600 – ZM1200 |
| Inclination:     | 10°, 15°, 20°, 25°               |
| Unit:            | 1 meter                          |

### Steel plate 128x50x6



|                  |                         |
|------------------|-------------------------|
| <b>Item-Nr.:</b> | <b>9162606ST</b>        |
| Dimensions:      | L: 128mm B: 50mm D: 6mm |
| Material:        | Steel S235JR            |
| Coating:         | Galvanized              |
| Unit:            | 1 pcs.                  |



### Middle Clamp EASY-Klick

|                  |   |
|------------------|---|
| <b>Item-Nr.:</b> | <b>529060</b>                             |
| Dimensions:      | 60mm                                      |
| Material:        | Aluminium EN AW 6060   Stainless steel A2 |
| Unit:            | 1 pcs.                                    |



### End Clamp EASY-Klick

|                  |   |
|------------------|---|
| <b>Item-Nr.:</b> | <b>5260V</b>                              |
| Dimensions:      | 60mm                                      |
| Material:        | Aluminium EN AW 6060   Stainless steel A2 |
| Unit:            | 1 pcs.                                    |



### Hexagonal Bolt M12x40 DIN 933

|                  |                    |
|------------------|--------------------|
| <b>Item-Nr.:</b> | <b>81240</b>       |
| Dimensions:      | 12 x 40 mm         |
| Material:        | Stainless steel A2 |
| Unit:            | 100 pcs.           |



### Hexagonal Nut with Serration M8 DIN 6923

|                  |                    |
|------------------|--------------------|
| <b>Item-Nr.:</b> | <b>98MS</b>        |
| Dimensions:      | 8mm                |
| Material:        | Stainless steel A2 |
| Unit:            | 100 pcs.           |



### Washer Ø13 DIN 9021

|                  |                    |
|------------------|--------------------|
| <b>Item-Nr.:</b> | <b>89021212</b>    |
| Dimensions:      | 13mm               |
| Material:        | Stainless steel A2 |
| Unit:            | 100 pcs.           |

## General Information

### Statics



- **Optimum use of materials** tailored to the project location
- **Verifiable statics** according to Eurocode (individually calculated for each project)
- **Snow load calculation** according to **EN 1991 – 1 – 3**
- **Wind load calculation** according to **EN 1991 – 1 – 4**
- **Calculation of the loads** to determine the embedment depth

### Geological Expertise



- Determination of the **soil mechanical parameters**
- **Chemical analysis** of the soil
- **Calculation of the embedment depth** of the ramming foundations
- Recommendations for foundation work in general
- Recommendation regarding corrosion protection

### Corrosion Protection



- High-quality strip galvanizing according to **EN 10346**
- Coating optionally with **zinc Z600** (42 µm) – **Z1200** (85 µm)
- Coating optionally with **zinc – magnesium ZM310 – ZM1000**
- Determination of the protection period of the coating (**ISO 9223**)
- Corrosion protection in almost all soil classes
- Corrosion protection in all corrosion classes (**C1 – CX**)
- Cooperation with **Fraunhofer ISE** in the field of corrosion protection
- Additional coating options (powder coating, epoxy resin)

### Guarantee



- **10 years** product warranty
- Check Oberhauser product warranty

# oberhauser

Bau » Systeme

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