

Packaging manual

The English translation is for information only. If the English meaning differs from the German meaning, the German meaning shall apply.

This packaging manual describes the 3 following packaging variants and their design of the **Welsers Profile Group**.

- Standard bundle packaging
- Pallet packaging
- Special packaging

Standard bundle packaging can be produced without additional effort.

Pallet packaging and special packaging lead to additional work/costs and must therefore be specially coordinated with Welsers Profile's packaging technology department.

All packaging is product-related!

1. Standard bundle packaging

The standard bundle packaging is used for profiles over 2,600 mm in length. The width is adapted to the truck loading width of 2,400 mm. This results in specified coil widths (incl. packaging timber) of:

~ 300mm, 480mm, 600mm or 800mm.

The loading width of 2,300 mm is taken into account for transportation in overseas containers! This results in bundle widths (incl. packaging timber) of:

~ 380mm, 460mm, 575mm and 760mm.

If no information is available on the type of transport, the bundle is designed for the truck loading width.

A collar width of 600 mm (575 mm for overseas containers) is aimed for without special specifications from the customer.

The design of the bundles depends on the following factors:

- Profile length
- Profile weight
- Number of profiles

If these three factors allow it, the standard bundle packaging is dimensioned for a bundle weight of ~1,600 kg.

To ensure the stability of the bundles or to allow the profiles to dry, intermediate layers made of plastic or wood are used as required.

With bundle packaging, the profiles are held together and secured using packaging timber and strapping tape.



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The number of strappings per bundle for a bundle weight of ~1,600 kg depends on the length of the bundle and is divided as follows:

Length > 2,600mm to ≤ 5,000mm	→	3x strapping
Length > 5,000mm to ≤ 7,500mm	→	4x strapping
Length > 7,500mm to ≤ 10,000mm	→	5x strapping
Length > 10,000mm to ≤ 12,800mm	→	6x strapping
Length > 12,800mm to ≤ 15,200mm	→	7x strapping
Length > 15,200mm to ≤ 17,600mm	→	8x strapping

Each standard bundle packaging is labeled with 2 pcs. WELSER labels on delivery.

2. Pallet packaging

There are two different types of pallet packaging:

- Packaging on pallets for "short profiles"
- Packaging on pallets for "medium-length profiles"

2.1 Pallet packaging for short profiles

"Short profiles" are profiles with a length of up to ≤1,150 mm

As standard, the short profile lengths are packed on EURO pallets with wooden stacking frames. A wooden lid is used as a cover.

Depending on their length, the profiles are secured inside the packaging with additional packaging elements to prevent them from slipping.

In order to ensure the stability and/or drying of the stacked profiles within the packaging, intermediate layers made of plastic or wood are used as required.

The net weight of pallet packaging for short profile lengths is ~ 1,000 kg

Each pallet packaging is labeled with 2 pcs. WELSER labels on delivery.



2.2 Pallet packaging for medium-length profiles

"Medium-length profiles" are those with a profile length of >1,150 mm to ≤ 2,600 mm

Medium-length profiles are packed on EURO pallets as standard.

Wooden frames are attached to the ends of the profiles to provide additional protection against "telescoping" (longitudinal movement of the profiles) during transportation.



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To ensure the stability or drying of the stacked profiles within the packaging, plastic or wooden intermediate layers are used as required.

The net weight of pallet packaging for medium-length profiles is ~ 1,000 kg Each pallet packaging is labeled with 2 pcs. WELSER labels on delivery.

3. Special packaging

Any packaging that is designed for special requirements or needs is managed as "special packaging" at Welser Profile.

Classification as special packaging is based on the following criteria:

- Customer specifications
- technical requirements
- necessary transport locks
- Quantity specifications
- Further parameters

Special packaging must always be coordinated with packaging technology department Welser Profile. Additional expenses due to special packaging are determined and recorded by packaging technology department Welser Profile.

3.1 Which parameters lead to special packaging and additional costs?

- Visible surface protection of profiles
- Deformation protection of profiles (e.g. thin-walled profiles)
- Protection of coated surfaces (e.g. painted profiles)
- Corrosion protection (e.g. VCI film, VCI paper, ...)
- Special protection for all transportation processes (e.g. air transport)
- Weight specifications
- Quantity specifications
- Small bundles and/or end caps
- Specifications for the maximum main dimensions
- Profiles with lengths greater than standard packaging
- Customer specifications for packaging material
- Customer specifications for marking and labeling
- Use of other transport containers (e.g. climbing frames, transport frames, ...) or lifting slings
- Use of special pallets (e.g. bent parts)

