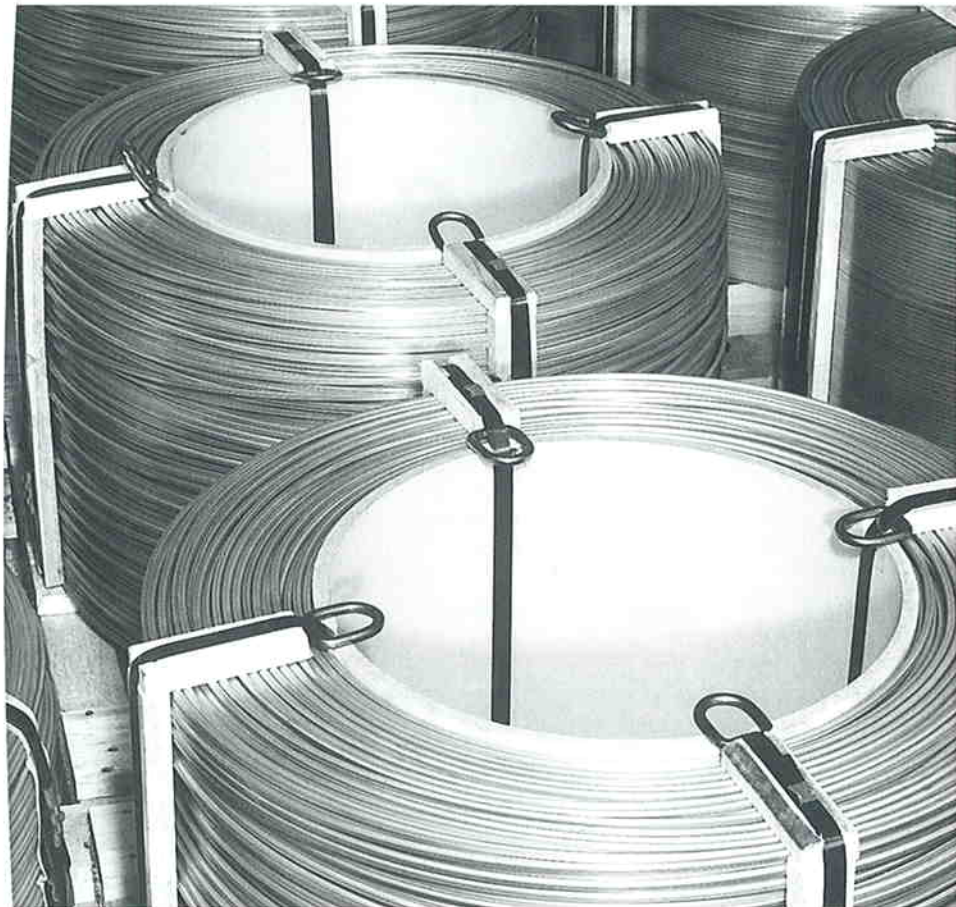


Wieland



Types of delivery and packing
Extruded and drawn products

The choice of delivery and packaging type allows the co-ordination of transport, storage and processing options across a wide range.

1. Products in straight lengths

We offer seven standard packing types which are optimised according to the products. Each package has a label at the

front side with all data required to identify the product/order. Variations to the selection shown can be arranged.

Types of packaging conditions for products in straight lengths



Wooden case for round rods < 10 mm (.39 inch) **Z011**



Bundle of round rods >= 10 mm (.39 inch) **Z021**

Wooden case for sections/tubes stackable: approx. 500 kg (1100 lbs), approx. 3 m (120 inch) **Z012**

Bundle of sections/tubes Weight: 1000 kg, 500 kg (2200 lbs, 1100 lbs) **Z022**



Returnable wooden case for rods Weight: approx. 1000 kg (2200 lbs) **Z031**

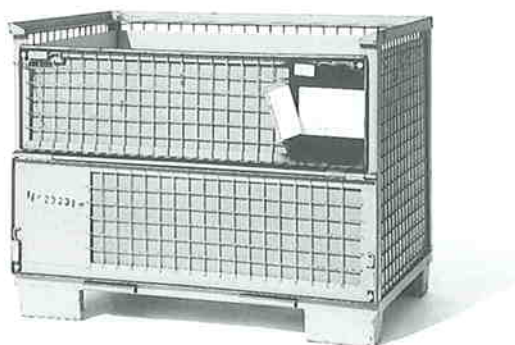


Returnable wooden case for tubes **Z032**

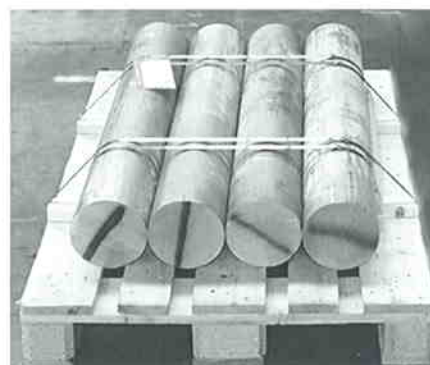
Pallet with cardboard for sections/tubes in short lengths Weight: max. 500 kg (1100 lbs) **Z092**



Cardboard for sections/tubes with interleaving foil **Z040**



Skeleton box for sections/tubes in short lengths Weight: max. 800 kg (1770 lbs) **Z112**



Billets on wooden pallet **Z150**

2. Products in coils (wires)

Whilst only the weight of the packaging unit must be specified for straight lengths, more detailed information is necessary for wires.

- Type of winding
- Position of section in coil (for sectional wires)
- Packaging type

Coil design					
<input type="checkbox"/>	Level-wound	<input checked="" type="checkbox"/>	Bunched/coiled	<input type="checkbox"/>	Cardboard drum
<input type="checkbox"/>	Without cardboard core	<input type="checkbox"/>	Cardboard core	<input checked="" type="checkbox"/>	Uncoiling device
<input type="checkbox"/>	Clockwise	<input checked="" type="checkbox"/>	Anti-clockwise		
<input type="checkbox"/>	Position/position	<input type="checkbox"/>	Cross-wound		
Coil weight: <u>500 kg (1100 lbs)</u>		Coil inner dia.: _____			
Coil outer dia.: <u>400 mm (15.7 inch)</u>		Coil width: <u>600 mm (23.6 inch)</u>			
Show position of sectional wire in drawing					

Picture 1: Example of a checklist

When delivery and packaging type are not specified on an enquiry/order, we choose the best combination based on our experience.

However the winding type is not freely available for all cross sections. Please see the limits in the table on page 4.

2.1 Type of winding

We differentiate between two types of winding:

- **bunched/rolled**, in this case, all windings have more or less identical diameters. The standard uncoiling direction is clockwise.

Bunched/rolled coils can be delivered in the following types:

- bunched
- in cardboard drum
- on uncoiling device



bunched coil

- **Level-wound**, In this form, windings with the same diameter are placed next to each other, and wound up, layer by layer, with an increasing winding diameter. Turning the coil by 180° will change the uncoiling direction. The type of layering (position/position or cross-wound) depends on the product and is usually specified by the manufacturer. Wires that are cross-wound can usually be uncoiled more easily. Any changes may be agreed upon request.

Level-wound coils can be delivered in the following types:

- without cardboard core
- with cardboard core



position/position



cross-wound

2.3 Packing type

The recommendations for packing depend on the agreed layering type and can be adapted to your storage and processing options. Each package has a label at the front side with all data required to identify the product/order.

The packages shown are recommendations only and changes may be agreed accordingly.

Packaging types for bunched/coiled wires

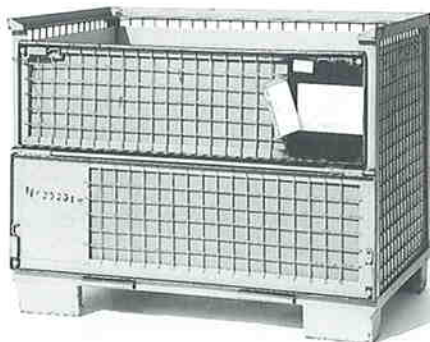


Pallet with cardboard for coils (in horizontal position)
Weight: max. 500 kg (1100 lbs)

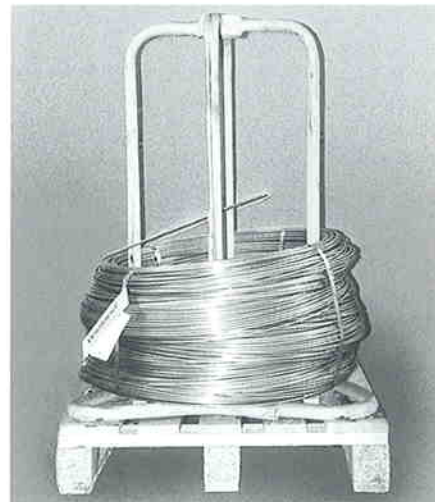
Z091



Wooden case for coils (in horizontal position) **Z100**
Coils with interleaving cardboard
Frame with cover.
Height: max. 70 cm (27.5 inch), Weight: max. 800 kg (1770 lbs)



Skeleton box for coils with interleaving cardboard **Z111**
(in vertical/horizontal position) box lined with cardboard
Weight: max. 800 kg (1770 lbs)



Uncoiling device for wire in coils **Z140**
On pallet 80 x 80 cm (31.5 x 31.5 inch), fixed with steel strap
Total height: 112 cm (44.1 inch)



Cardboard drum **Z130**
Bundled wire, drum with cover, Outer-Ø x Core-Ø x Height
= 600 x 400 x 550 (23.6 x 15.7 x 21.7 inch)
Pallet 75 x 75 cm (29.5 x 29.5 inch)