ROEMHELD

# WZ 8.8901A

## Die Changing Cart RW 600 elmo

manually movable, electro-hydraulic lifting and lowering, with docking bar, max. load capacity up to 600 kg



Roller table



Ball table

### Advantages

- Versions with roller or ball table
- Fast, safe and time-saving die change
- Precise positioning thanks to docking station
- Version with electric lifting and lowering
- Protection against dies falling off thanks to side rails, front rail, and adjustable insertable bars
- Die-friendly transport
- Parking brake provides secure hold
- Version with a swivelling bridge

### Application

Die changing carts RW 600 elmo "electric motion" facilitate the handling of medium-weight dies and enable dies weighing up to 600 kg to be safely transported in a way that saves effort and time.
All cart types are specifically designed for pressing and punching dies as well as for injection and casting moulds.

### Description

These transport carts are specially designed for fast and safe die changes on any type of forming machine.
RW 600 elmo die changing carts are manually adjustable. The table is raised and lowered electro-hydraulically. Thanks to its compact design and small turning radius, the changing cart can be used in confined spaces.
The RW 600 elmo is available in a shorter "compact" version.

The table design of the die changing cart features a robust roller or ball table, which allows dies to be easily slid into the press. The die changing table is made of high-quality stainless steel.
To prevent the dies from slipping during transport, all tables are equipped with adjustable stops. The table features a variety of bore holes for different positions and die dimensions.
The changing table is equipped with a docking bar for safe transfer of the die to the press.
The load's centre of gravity must be centred during transport.

### Docking station

A docking bar on the die changing table (1 included) and one for mounting on the press or die changing table (see Accessories) ensure that the die changing cart is locked in place with precision and that the die is transferred safely to the press.

### Power supply

The changing carts are equipped with a multi-range battery charger (12 V, 8 A, built-in) and can be flexibly adapted to different mains voltages.
Power is supplied as standard via a connecting cable with a type E+F (CEE 7/7) plug. Country-specific versions must be selected and ordered separately from the accessories.

### Versions:

- **RW 600 elmo with roller table**
  see page 2
- **RW 600 elmo with ball table**
  see page 3
- **RW 600 elmo compact with roller table**
  see page 4
- **RW 600 elmo compact with ball table**
  see page 5
- **with swivelling bridge**
  see page 6
- **suitable for side loading**
  see page 6

### Colours

Die changing cart:
RAL 7021 (dark grey) powder coating
Scissors: black

### Accessories

see page 7

## RW 600 elmo with roller table




### Technical data

| | | |
|---|---|---|
| Max. load capacity | [kg] | 600 |
| Bed height | [mm] | 610–1,525 |
| Weight | [kg] | approx. 330 |
| Battery | [Ah] | 43 |
| Battery performance | | approx. 40 × lift and lower under full load |
| Charging time | [h] | Max. 10 |
| **Part no.** | | **8 891 6 0500** |

### Mould / die dimensions

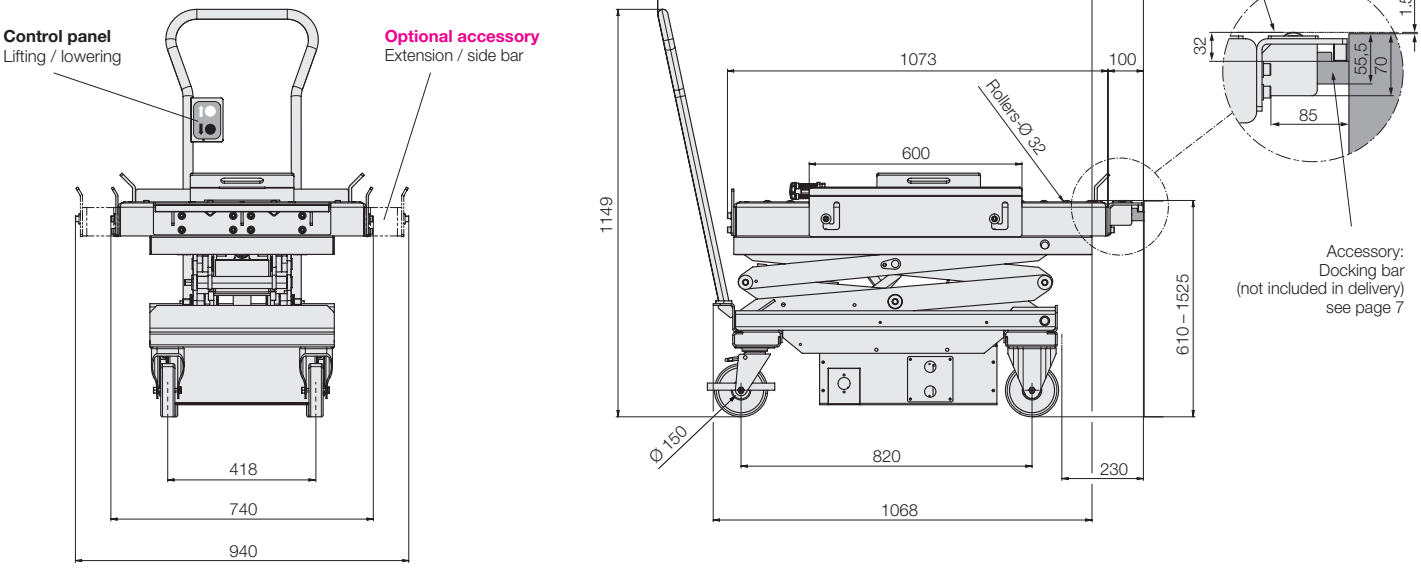
min. 200 × 200 mm
max. 1,000 × 700 mm
max. 1,000 × 900 mm with extension

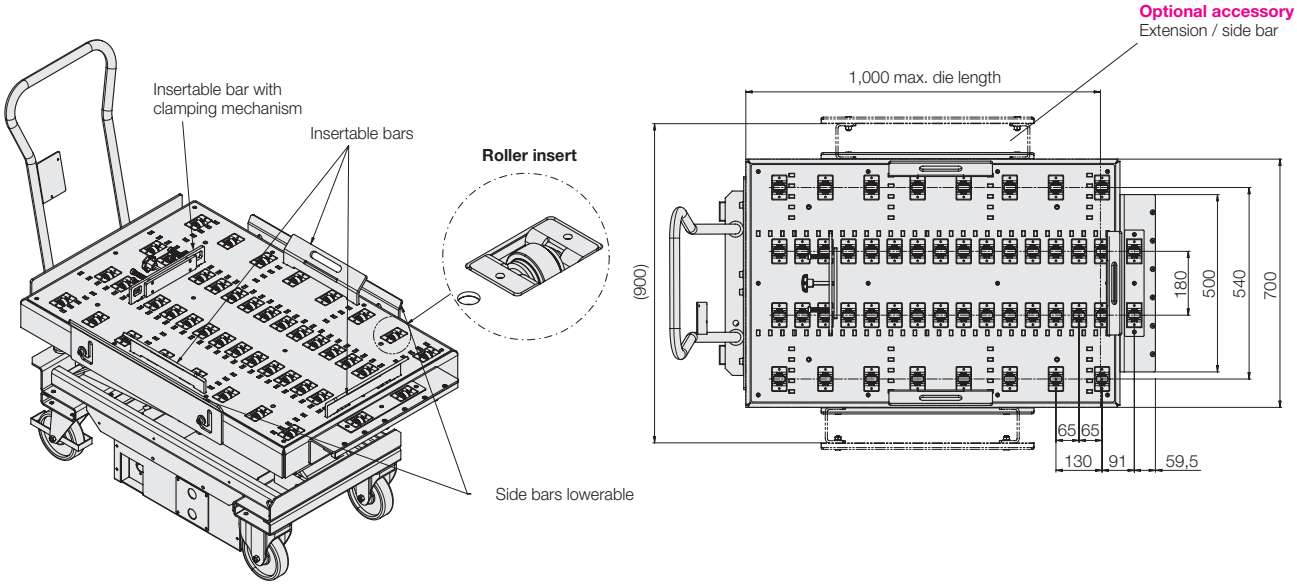
### Optional accessory

For transporting larger dies on the die changing cart, optional side bar extensions can be used.

**Extension / side bar**
(1 set = 2 pcs.)
**Part no. 7 891 6 0019**

### Dimensions



## RW 600 elmo with ball table




### Technical data

| | | |
|---|---|---|
| Max. load capacity | [kg] | 600 |
| Bed height | [mm] | 615–1,530 |
| Weight | [kg] | approx. 330 |
| Battery | [Ah] | 43 |
| Battery performance | | approx. 40 × lift and lower under full load |
| Charging time | [h] | Max. 10 |
| **Part no.** | | **8 891 6 0501** |

### Mould / die dimensions

min. 250 × 250 mm
max. 1,000 × 700 mm
max. 1,000 × 900 mm with extension

### Delivery:

- Changing cart with ball table
- Docking bar on changing table

Insertable side and front bars

### Optional accessory

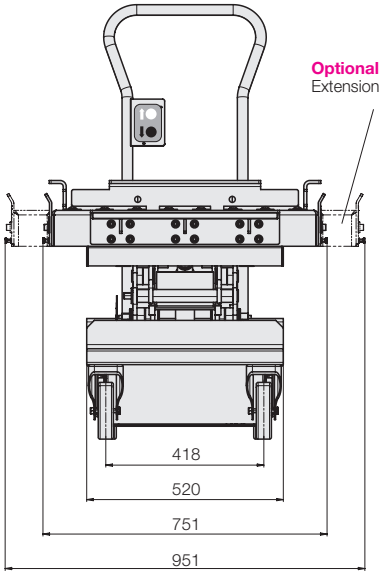
For transporting larger dies on the die changing cart, optional side bar extensions can be used.

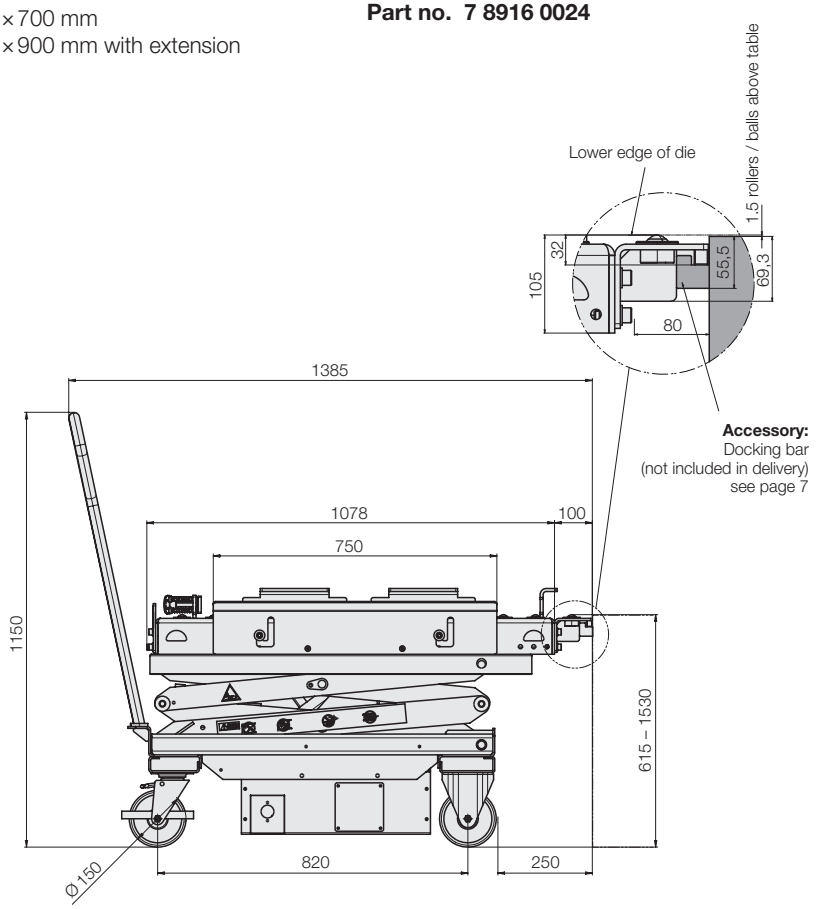
### Extension / side bar

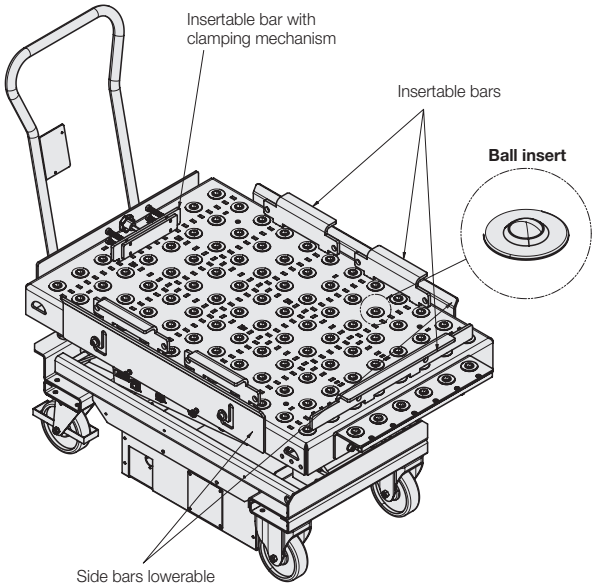
(1 set = 2 pcs.)

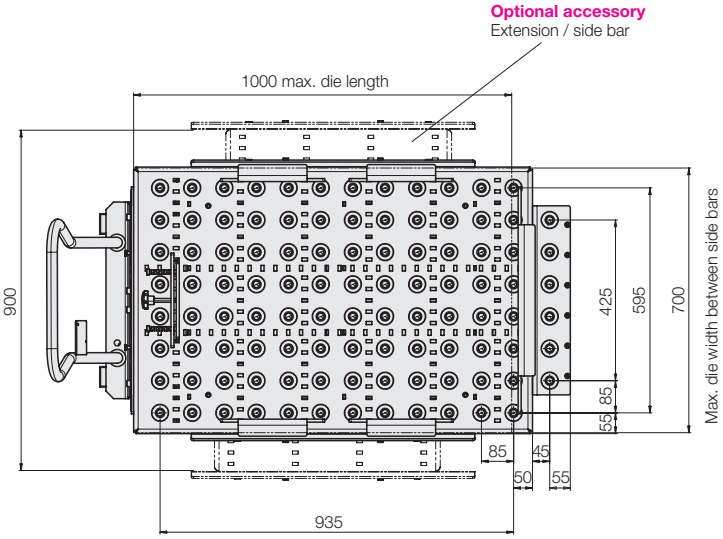
**Part no. 7 8916 0024**

## Dimensions



## RW 600 elmo compact with roller table




### Technical data

| | | |
|---|---|---|
| Max. load capacity | [kg] | 600 |
| Bed height | [mm] | 795–1,500 |
| Weight | [kg] | approx. 270 |
| Battery | [Ah] | 43 |
| Battery performance | | approx. 40 × lift and lower under full load |
| Charging time | [h] | Max. 10 |
| **Part no.** | | **8891600600** |

### Mould / die dimensions

min. 200 × 200 mm
max. 750 × 700 mm
max. 750 × 900 mm with extension

### Delivery:

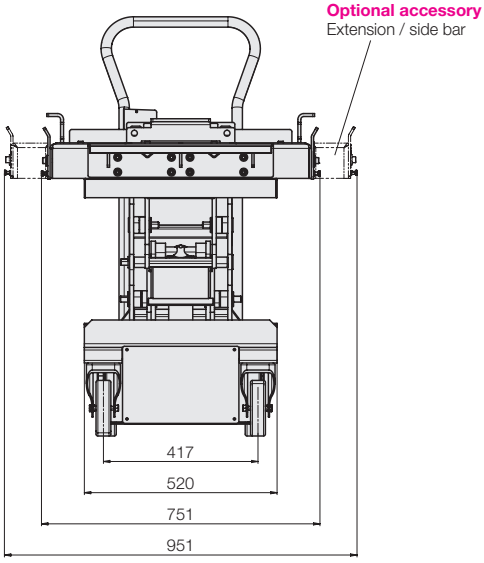
- Changing cart with roller table
- Docking bar on changing table
- Insertable side and front bars

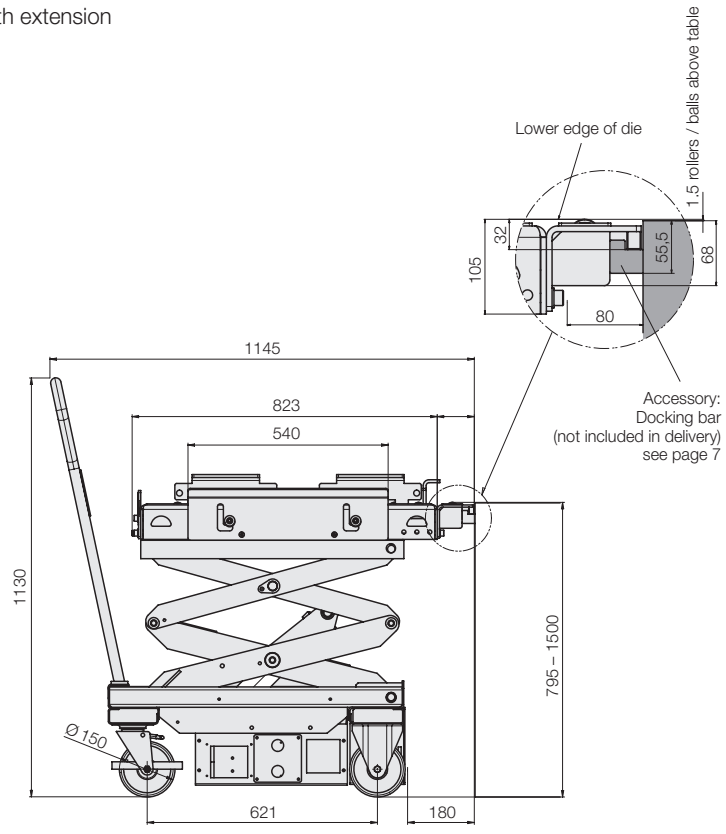
### Optional accessory

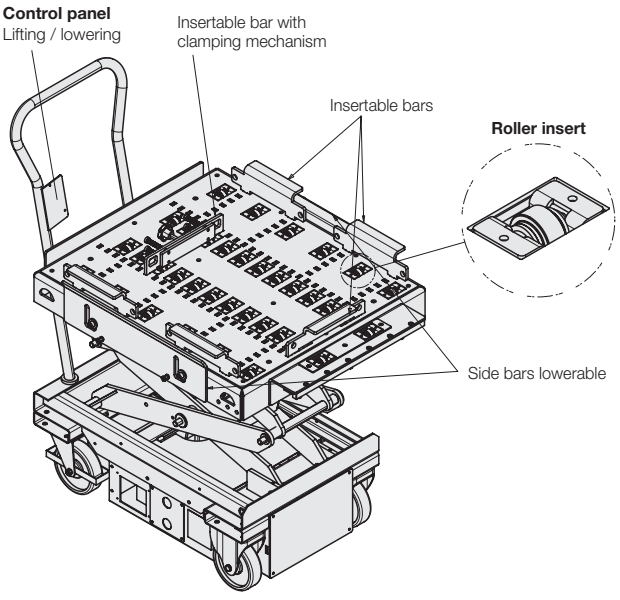
For transporting larger dies on the die changing cart, optional side bar extensions can be used.

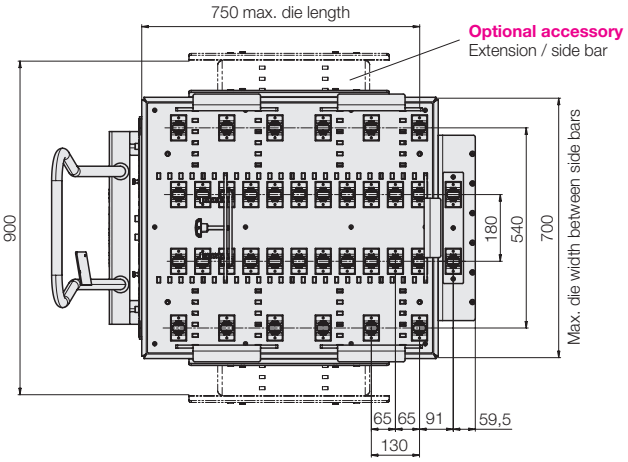
**Extension / side bar**
(1 set = 2 pcs.)
**Part no. 7891600026**

## Dimensions



## RW 600 elmo compact with ball table




### Technical data

| | | |
|---|---|---|
| Max. load capacity | [kg] | 600 |
| Bed height | [mm] | 800–1,505 |
| Weight | [kg] | approx. 270 |
| Battery | [Ah] | 43 |
| Battery performance | | approx. 40 × lift and lower under full load |
| Charging time | [h] | Max. 10 |
| **Part no.** | | **8 891 6 0601** |

### Mould / die dimensions

min. 250 × 250 mm
max. 750 × 700 mm
max. 750 × 900 mm with extension

### Delivery:

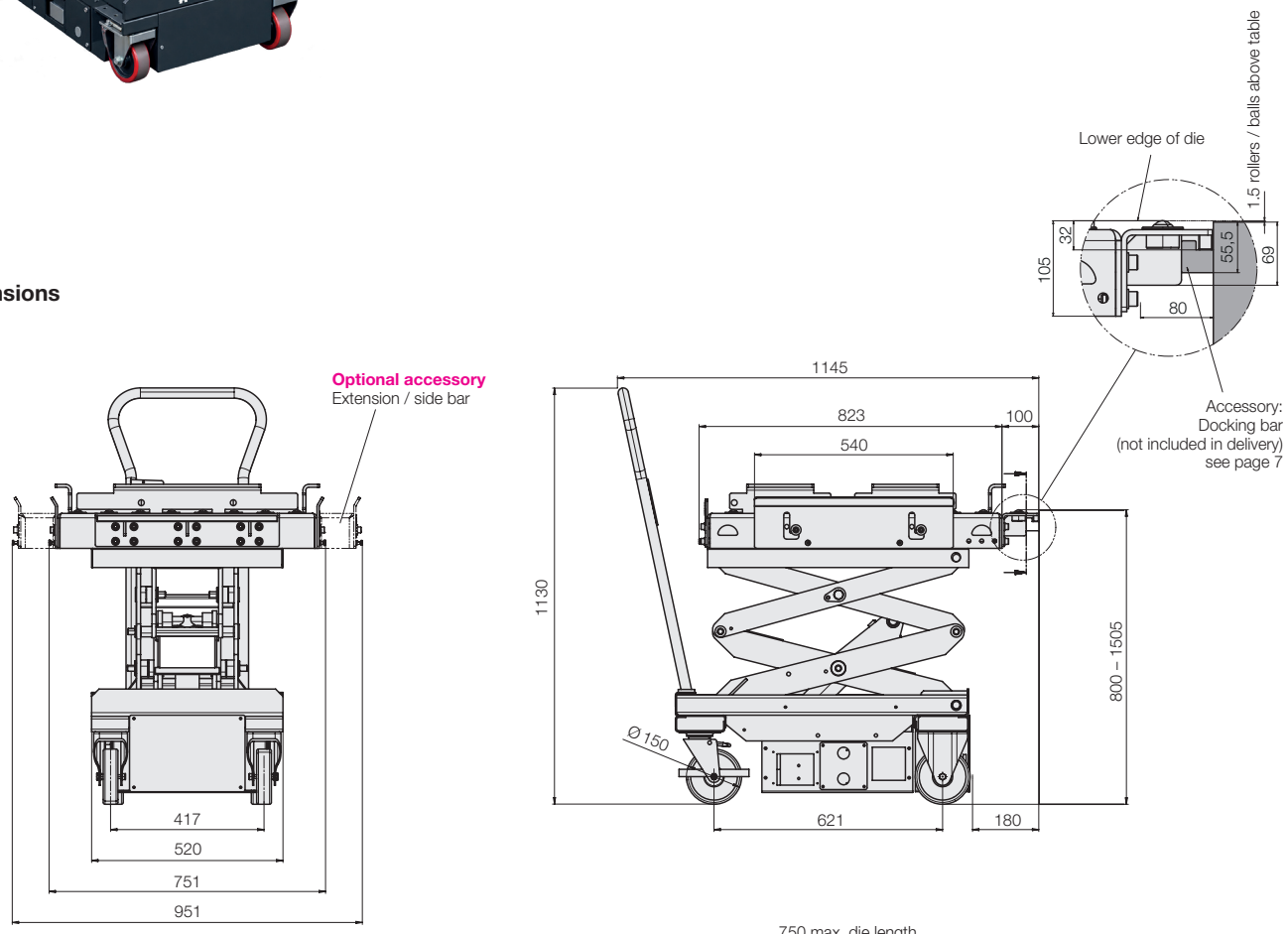
- Changing cart with ball table
- Docking bar on changing table
- Insertable side and front bars

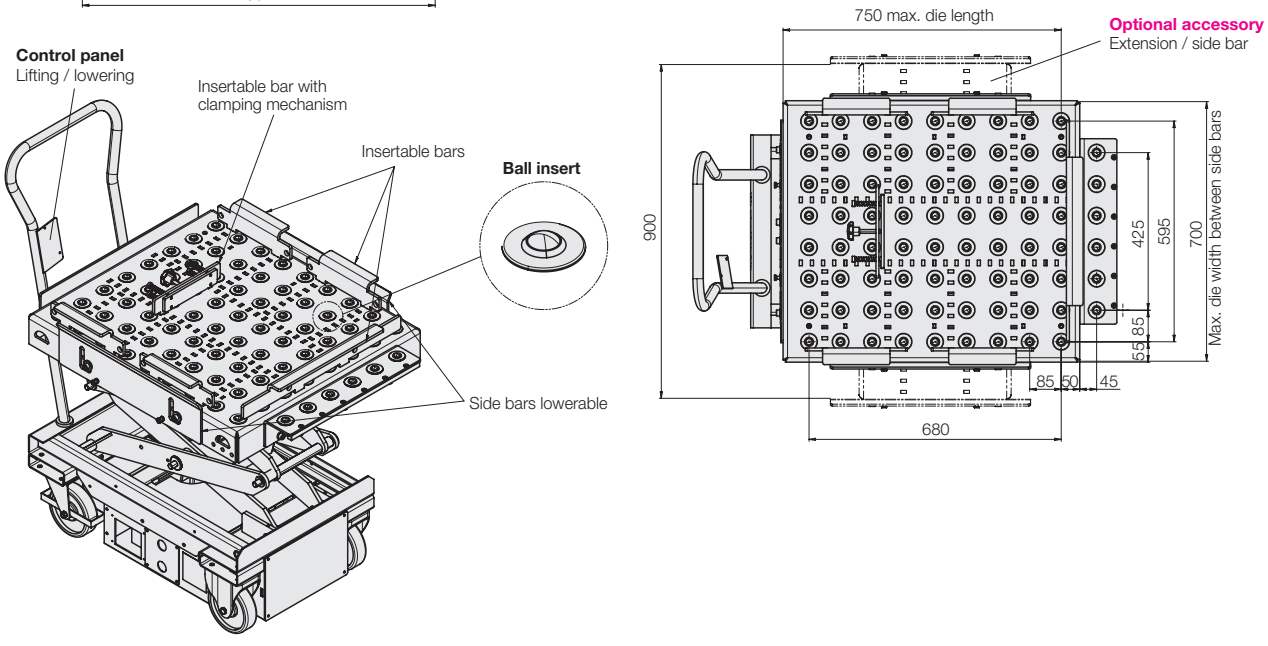
### Optional accessory

For transporting larger dies on the die changing cart, optional side bar extensions can be used.

**Extension / side bar**
(1 set = 2 pcs.)
**Part no. 7 891 6 0026**

## Dimensions

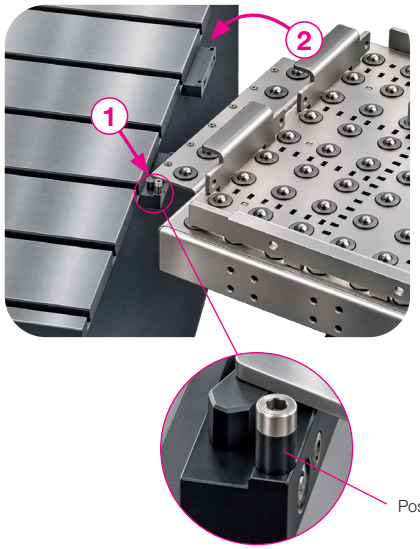


## Side-loading version

In this version, a special docking bar is provided on the roller or ball table of the die changing cart and on the press table. This allows the operator to approach the press table from the side and simultaneously dock with it.

To facilitate positioning the cart at the docking point, the docking bar on the press is equipped with a positioning pin.
The cart is first positioned at an angle to the press table as the cart's extended docking bar engages behind the positioning pin (see 1).
The carriage is then swivelled around the positioning pin and aligned parallel to the press. The positioning pin serves as the centre of rotation (see 2).

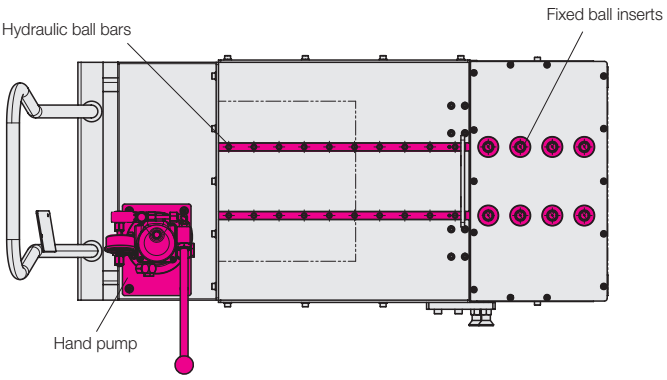






## Version with lowerable hydraulic ball bars and a hand pump

In this version, the built-in hydraulic ball bars in the die changing table are raised using a separate hydraulic hand pump. The dies are secured manually by the operator during transport using adjustable insertable bars.
This version also works without a docking bar on the press table.

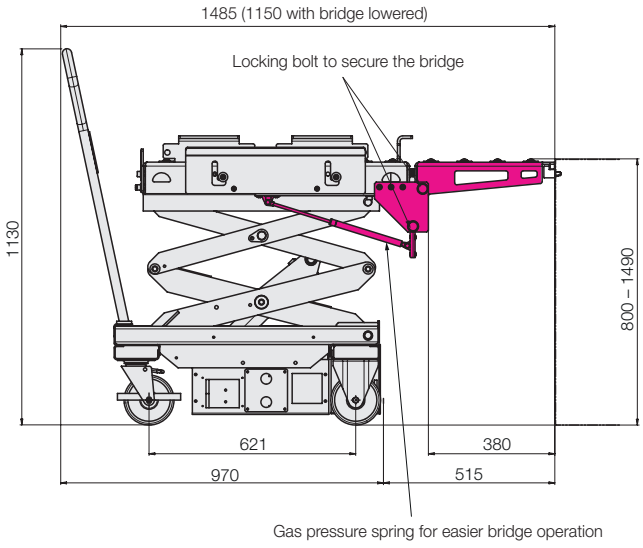



## Version with a swivelling bridge

The changing table is equipped at the front with a bridge and docking bar for docking onto the press bed. This makes it easy to bridge over colliding edges on the press table.

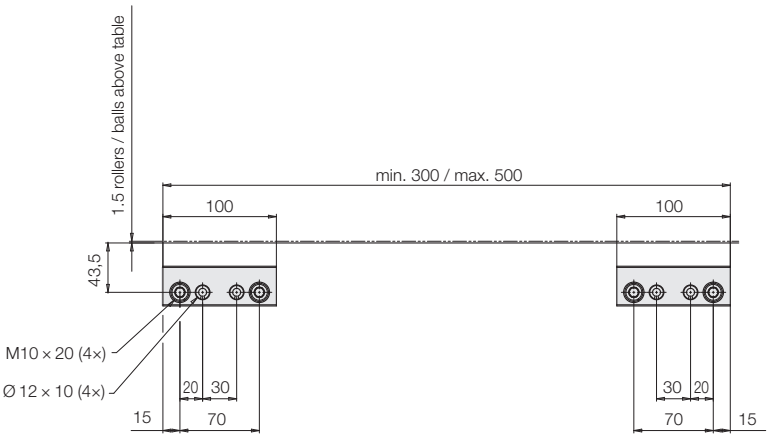
**With roller table**
**Part no. 8 8916 0602**

**With ball table**
**Part no. 8 8916 0603**



**Docking bars on the press**
To achieve the precise insertion height on the press table, the press table is fitted with screw-in docking bars.
The docking bars for the press table are not included with the die changing cart and must be ordered separately.

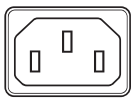
| **Docking bars, two-piece** | |
|---|---|
| (1 set = 2 bars) | **Part no.** |
| Length 100 mm | **7 89140010** |



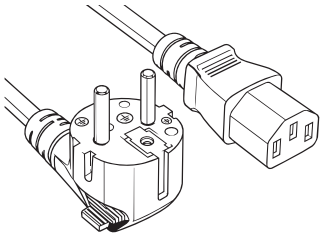

## Energy supply / battery charger

The changing carts are equipped with a multi-range battery charger (12 V, 8 A, built-in) and can be flexibly adapted to different mains voltages.
By default, the battery charger is supplied with a connecting cable (plug type E+F, CEE 7/7 (M)). Country-specific versions must be selected and ordered separately.

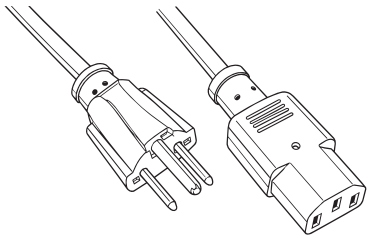
**Connection to the changing cart**
IEC 60320 C13 bushing



**Standard connecting cable**
Plug type E+F, CEE 7/7 (M)
max. 10 A
Line length = 1.8 m



**Connecting cable for battery charger USA**
Plug type: NEMA 5-15P (US),
max. 10 A
Line length = 1.8 m
**Part no. 2 2002 0101**



## Additional accessories on request:

- Ram protection and die insert slope anchored to floor
- Acoustic or visual tilt indicator