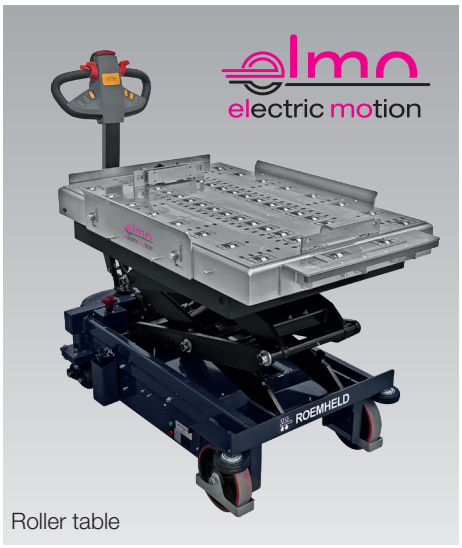
ROEMHELD

WZ 8.8901B

Die Changing Cart RWA 1000 elmo

electrically movable, electro-hydraulic lifting and lowering, with docking bar, max. load capacity up to 1,000 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
- Electric operation, raising and lowering
- Protection against dies falling off thanks to side rails, front rail, and adjustable insertable bars
- Die-friendly transport
- Version with a swivelling bridge

Application

Die changing carts RWA 1000 elmo "electric motion" facilitate the handling of medium-weight dies and enable dies weighing up to 1000 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.
The RWA 1000 elmo die changing cart is electrically powered. The travel speed is continuously adjustable. A reduced-speed mode is also available for safe manoeuvring. The drive is equipped with a safety brake. 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 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.
To ensure safe transfer of the die to the press, the roller or ball table is equipped with a docking bar.
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 (24 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.

Multi-functional drawbar:

- driving switch for continuous and sensitive driving
- Slider for precise lifting and lowering
- Toggle switch for 2 travel speeds
- Safety push-button with stop function
- Signal horn + emergency stop push-button
- Display for battery charge level and service hours counter
- Key switch for on / off


Multi-functional drawbar

Versions:

- **RWA 1000 elmo with roller table** see page 2
- **RWA 1000 elmo with ball table** see page 3
- **suitable for side loading** see page 4
- **with lowerable hydraulic ball bars and hand pump** see page 4
- **with swivelling bridge** see page 4

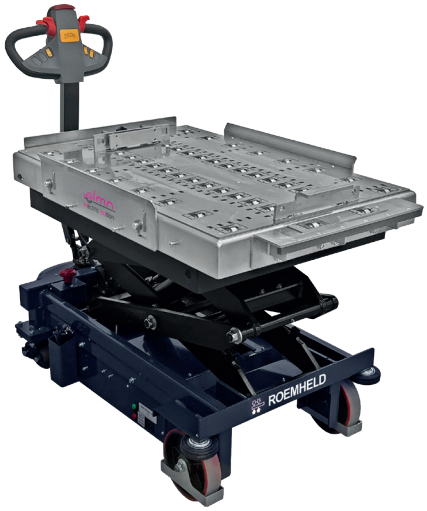
Colours

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

Accessories

see page 5

RWA 1000 elmo with roller table



Technical data

Max. load capacity	[kg]	1,000
Bed height	[mm]	620–1,485
Weight	[kg]	approx. 400
Battery	[Ah]	50
Displacement speed	[km/h]	4.0
Creep speed	[km/h]	1.6
Reverse movement	[km/h]	1.6/2.0
Battery performance	[km]	8 (with full load)
Charging time	[h]	Max. 10
Part no.		**8 89160001**

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 and an extended stop at the back can be used.

Extension, stop at the back

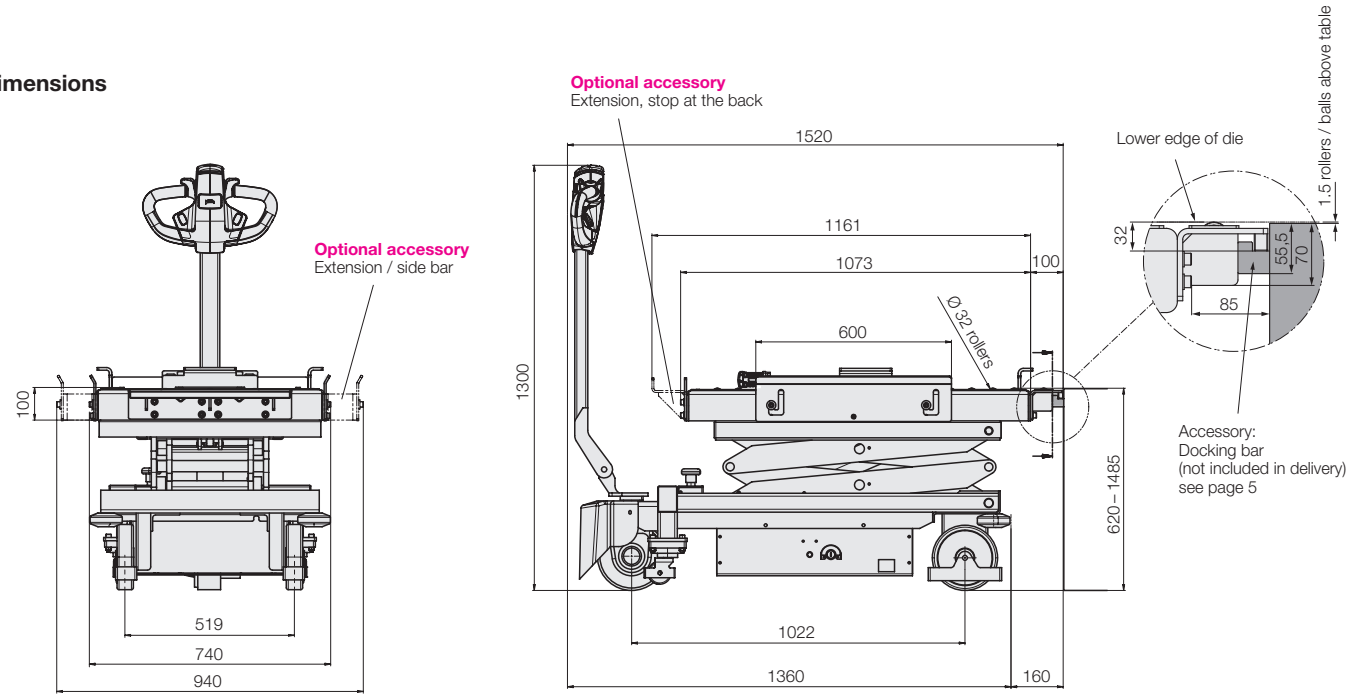
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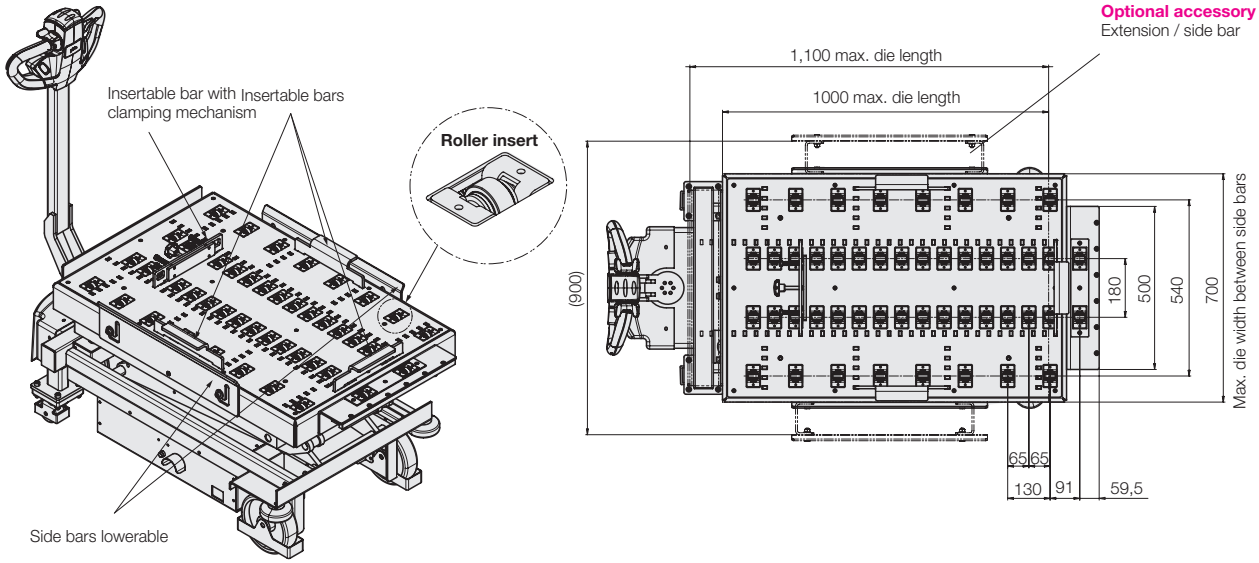
Extension / side bar

(1 set = 2 pcs.)

Part no. 7 89160019

Dimensions





RWA 1000 elmo with ball table



Technical data

Max. load capacity	[kg]	1,000
Bed height	[mm]	625–1,490
Weight	[kg]	approx. 400
Battery	[Ah]	50
Displacement speed	[km/h]	4.0
Creep speed	[km/h]	1.6
Reverse movement	[km/h]	1.6/2.0
Battery performance	[km]	8 (with full load)
Charging time	[h]	Max. 10
Part no.		**88916 0002**

Mould / die dimensions

min. 250 × 250 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 and an extended stop at the back can be used.

Extension, stop at the back

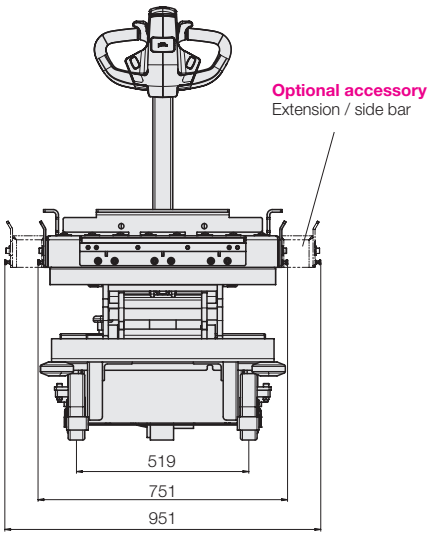
Part no. 7 8916 0025

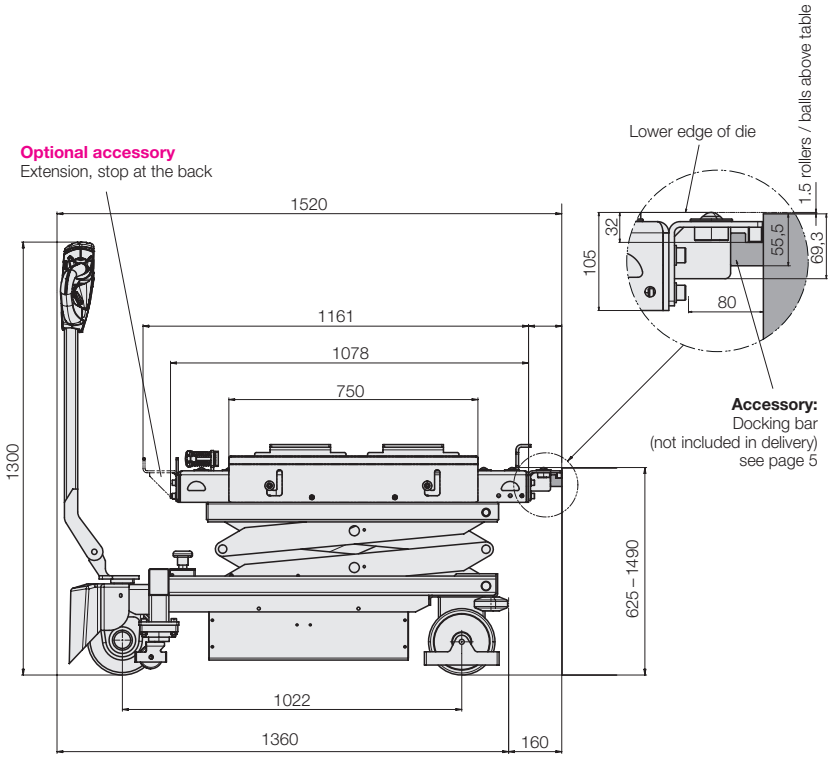
Extension / side bar

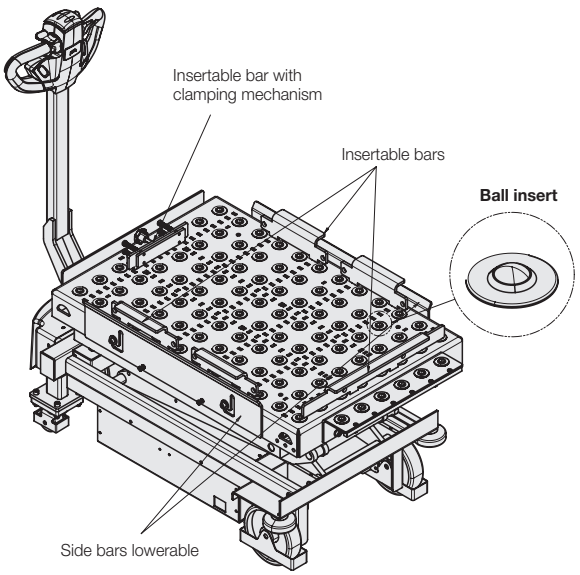
(1 set = 2 pcs.)

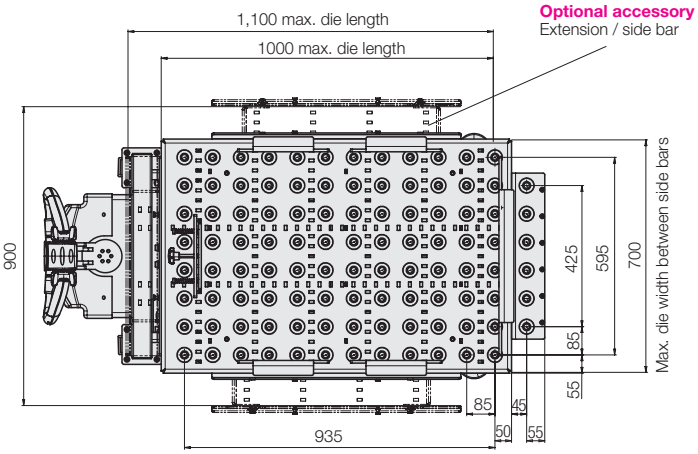
Part no. 7 8916 0024

Dimensions





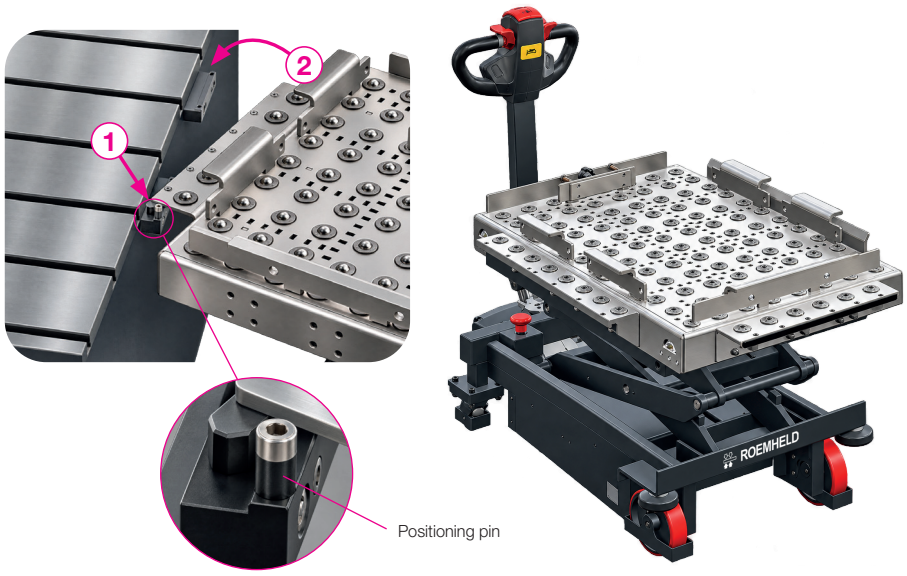




Side-loading version

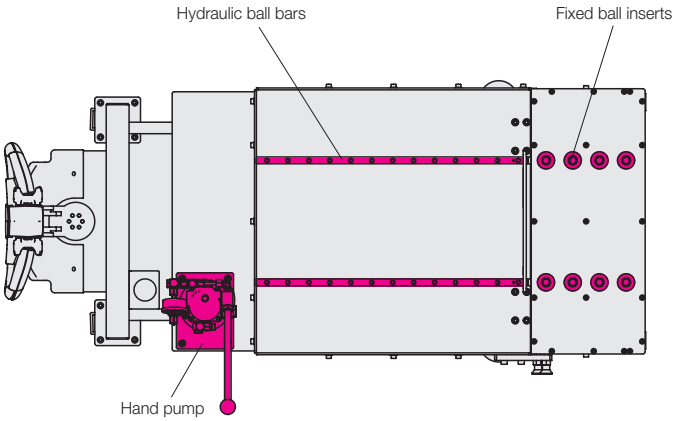
In this version, a special docking bar is provided on the roller or ball table of the die changing cart and on the press table. This allows the operator to approach the press table from the side and simultaneously dock with it.

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.



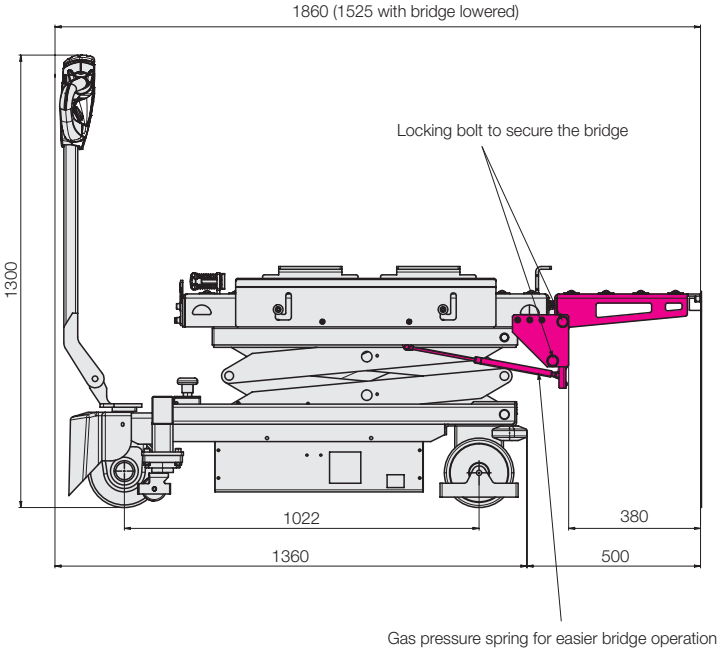
Version with a swivelling bridge

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 0003

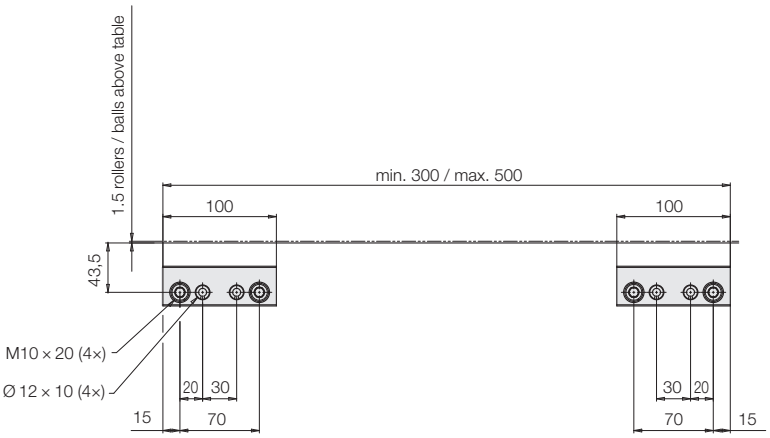
With ball table
Part no. 8 8916 0004





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.

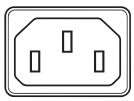
Docking bars, two-piece	
(1 set = 2 bars)	**Part no.**
Length 100 mm	**7 89140010**



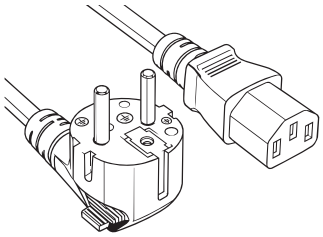
Energy supply / battery charger

The changing carts are equipped with a multi-range battery charger (24 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.

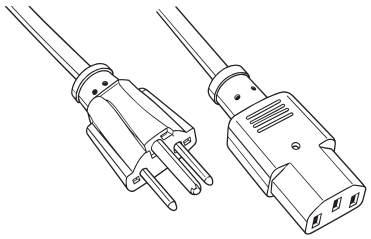
Connection to the changing cart
IEC 60320 C13 bushing



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 20020101



Additional accessories on request:

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