



**HILMA die carts** make handling of heavy dies easier and ensure time-saving and accident-free handling of dies with a maximum weight of 4 tons. All carts have been designed to suit pressing and punching dies as well as injection and casting moulds. The sturdy construction ensures long service life. High stability, simple operation and low maintenance make HILMA DIE CARTS a reliable aid.

### Benefits:

- easy and time-saving handling of heavy dies
- die change in a few minutes
- safe handling without the risk of accidents
- less wear on table and die
- reduction of downtime, therefore more efficient use of the machine

### Available versions:

- die cart, operated manually or by electric motor drive
- lifting using a foot pump or electro-hydraulic lifting
- dies shifted manually or using an automatic loading device
- with or without push-and-pull system
- with platform or with lifting fork (type EHS)
- four different types of platforms
- special equipment on request



Die cart, manually operated, **type M**

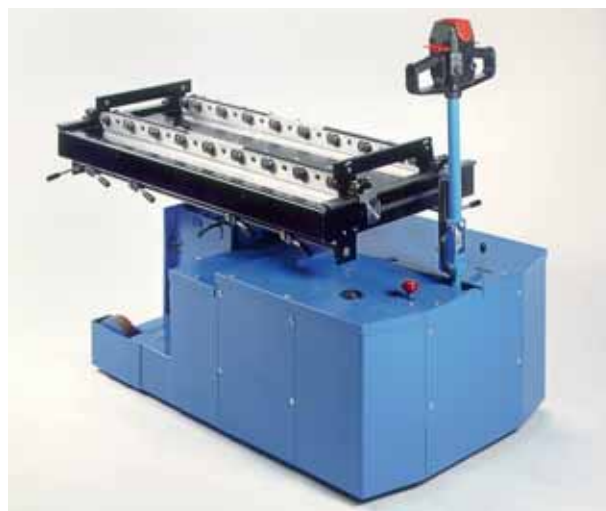
Part no.	Load-bearing capacity (kg)	Platform (mm)	Lifting range (mm)
8.8913.0001	200	1100 x 740	510 - 1800
8.8913.0005	500	1100 x 600	570 - 1180
8.8913.0010	1000	1100 x 600	570 - 1180

Other platform sizes and loading heights on request

Basic equipment of the M-type die cart: shear lifting table, folding drawbar, foot pump with precision lowering valve, braked steering rollers and Vulkollan tyres, protection against pipe break, roller table with pile-up brake. Load-bearing capacity 200 - 1200 kg, platform approx. 1100 x 600 (800) mm, lifting range 510 - 1800 mm.

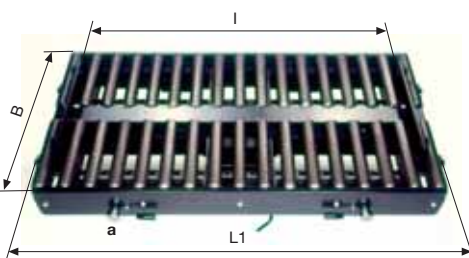
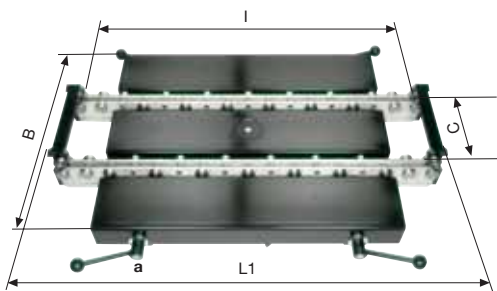
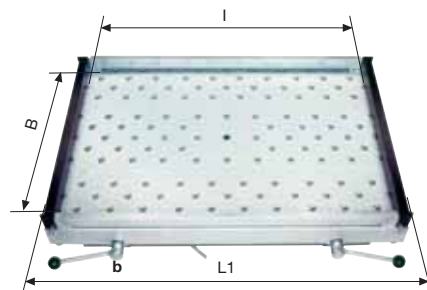
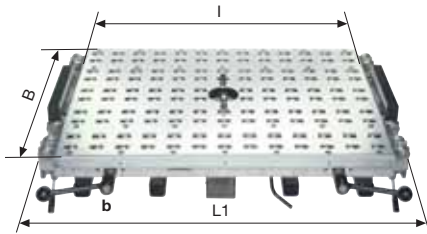


Die cart, manually operated, **type DL** with foot pump or electro-hydraulic lifting



Die cart, with electric drive, type **EDL**, electrohydraulic lifting, integrated loading device

**Available platforms:**  
(platforms to customer's specification on request)



**Push-and-pull systems:**



Pushing and pulling is carried out by means of a lever movement or using a centring tenon on the die cart.

**Rollers**

Type	Load-bearing capacity kg	L1 mm	I mm	B mm
2L	2500	1100	1010	690
4L	2500	1400	1310	960

b Lowering device

**Balls**

Type	Load-bearing capacity kg	L1 mm	I mm	B mm
2U	1000	1085	1005	750
4U	1000	1240	1115	940

b Lowering device

**Rollers**

Type	Load-bearing capacity kg	L1 mm	I mm	B mm	C mm
2SA	2000	1085	1010	700	300
4SA	2000	1240	1160	800	300

a Braking lever

**Rolls**

Type	Load-bearing capacity kg	L1 mm	I mm	B mm
4R	2000	1430	1210	750
4RV	4000	1430	1210	750

a Braking lever

**Loading device:**



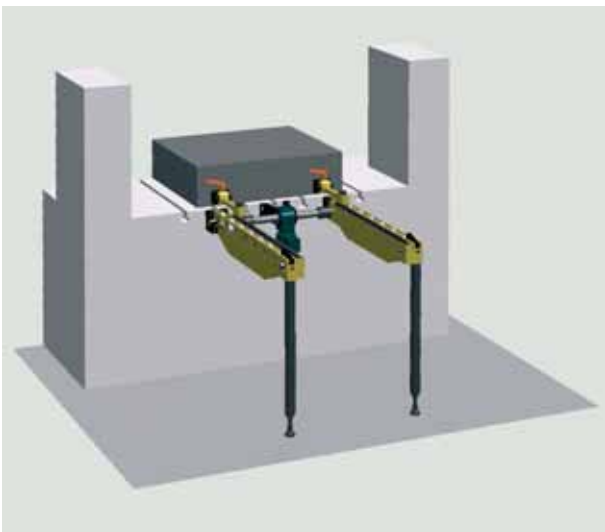
Loading device, with electro-hydraulic drive



### Die changing system directly adapted to the press

This new die changing system with special push-pull drive makes handling of dies easier and ensures time-saving and accident-free movement of dies with a maximum weight of 10 tons in places difficult to access.

(Higher load-bearing capacities on request)



Roller and ball bars in the T-slots of the table provide for easy insertion of the die, either manually or automatically. Damage to the die causing production loss is avoided. Individual solutions including automatic die changing and integration in the press are possible.

### Description:

The cost-effective drive system has been developed on the basis of standard die consoles and can be easily installed as it requires only little space. Thus, it is very suitable for both retrofitting and new constructions.

The drive unit and the carrying console are hung in hooks provided on the press for this purpose and then locked. The die is deposited on the consoles using a crane or a forklift truck. After the die has been deposited, it can be connected to the changing station by means of a push-and-pull system.

The integral chain drive system allows the user automatic die loading and positioning, just by depressing a pushbutton on a separate remote control pendant

During a die change, the press bed is free, i.e. the push-and-pull elements do not project over the press bed. Furthermore the rear side of the press is completely free. This changing station is suitable for almost any press, can be easily removed and is easy to handle.

### Special features:

Besides the reduction of non-productive set-up time, the die changing system offers further decisive

### benefits to the user:

- maximization of profits due to less downtime
- smaller production batches are possible due to shorter set-up times
- greater safety for man and machine
- safe and accident-free handling of dies with less effort, thus creating a more humanised place of work