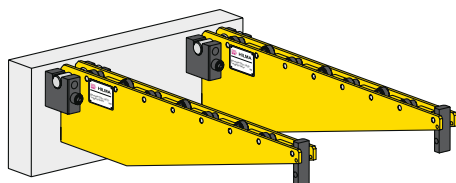


Carrying consoles

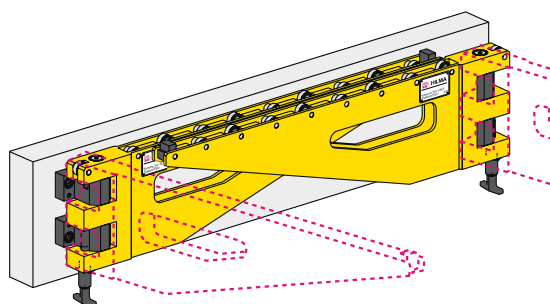
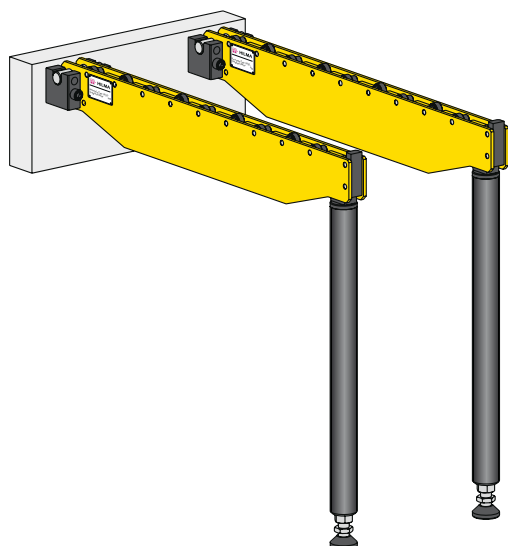
for easy and efficient die change on the press bed



HILMA



Colour: RAL 1004, golden yellow



Carrying console, hanging

The carrying consoles are hung in the hooks on the die changing side of the press. The hooks are supplied with the consoles. The consoles are used as a pair only. Their size must be selected to suit the highest die weight.

The die is loaded onto the consoles using a crane or a forklift truck.

The carrying rollers consist of high-strength hardened needle bearings. The end stop can be bypassed in one direction only.

The surface is provided with a shock-resistant coating in RAL 1004, golden yellow.

Hanging consoles may be used for several presses. In this case, an additional set of hooks is required.

Carrying console, supported

In order to cope with heavy and large dies, the hanging console is provided with an additional support.

For compensating for unevenness on the floor, the supports are designed as adjustable supports with a ball-and-socket joint. The height may be changed subsequently by ± 60 mm.

The end stop can be bypassed in one direction only.

Carrying console, swivelling

This console is permanently fastened to the press bed and can be pivoted into the die changing position.

This type is particularly recommended when the available space in front of the press bed is limited, or if removal and intermediate storage of the console is not possible or required.

For carrying rollers, end stop and surface coating, see above.

Special designs of carrying consoles are available on request.

Subject to technical modification

1

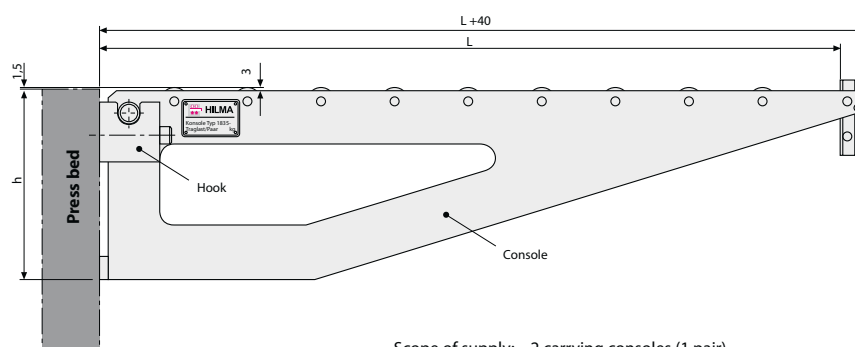
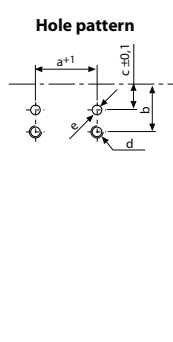
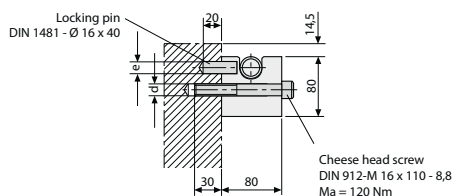
8.1835

10/2008

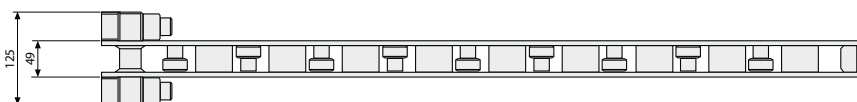


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Carrying console, hanging



Scope of supply: 2 carrying consoles (1 pair)
4 hooks



Part no. for 1 pair	Max. load/ pair (kN)	Length of support (L) (mm)	Dimensions (mm)					h	Weight pair (kg)
a+1	b	c±0,1	d						
8.1835.0001	5	500	86	60	30	M16	Ø16	120	15
8.1835.0002	10	500	86	60	30	M16	Ø16	150	18
8.1835.0003	10	800	86	60	30	M16	Ø16	180	30
8.1835.0104	10	1000	86	60	30	M16	Ø16	250	40
8.1835.0105	20	800	86	60	30	M16	Ø16	250	32
8.1835.0006	20	1000	86	60	30	M16	Ø16	300	48
8.1835.0107	20	1250	86	60	30	M16	Ø16	350	70
8.1835.0008	30	800	86	60	30	M16	Ø16	400	48
8.1835.0009	30	1000	86	60	30	M16	Ø16	450	66
8.1835.0010	30	1250	86	60	30	M16	Ø16	500	90

4 hooks are supplied with the consoles

available at short notice

1 additional set of hooks (= 4 OFF)
part no. 7.1835.0007 (40 kN)

8.18350

08/2009

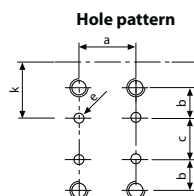
Subject to technical modification

2

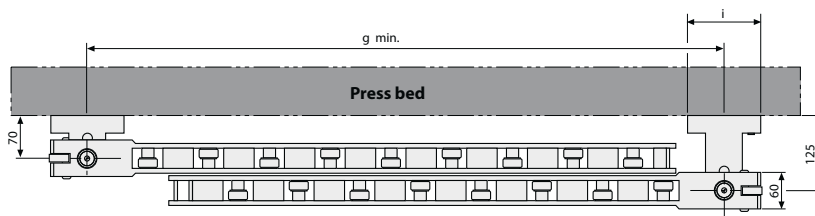
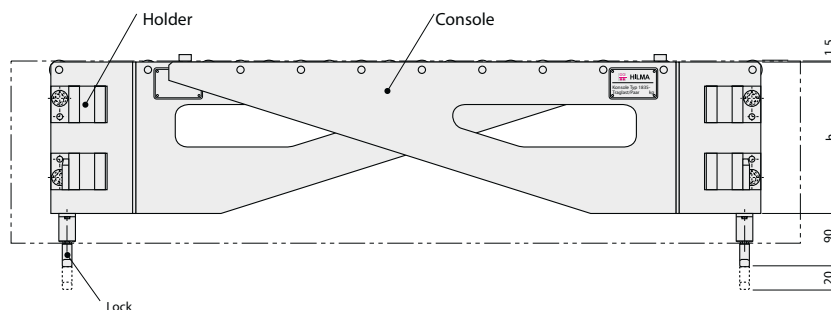
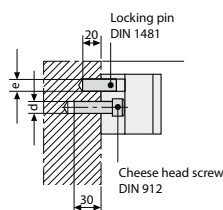


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Carrying console, swivelling



Cheese head screws DIN 912
M16 x 40, 8.8
M_s = 120 Nm
Locking pin DIN 1481 Ø10 x 50



Scope of supply: 2 carrying consoles (left and right side)
4 holders (premounted)

The carrying console is swivelling on the left and right side

Part no. for 1 pair	Max. load pair (kN)	Length of support (L) (mm)	Dimensions (mm)								
			a $\pm 0,2$	b $\pm 0,1$	c $\pm 0,1$	d	e	g	h	i	k $\pm 0,1$
8.1835.1001	10	500	90	30	20	M16	Ø10	550	200	120	91,5
8.1835.1002	10	1000	90	30	70	M16	Ø10	1050	250	120	91,5
8.1835.1003	20	1000	90	30	120	M16	Ø10	1050	300	120	91,5
8.1835.1004	20	1250	90	30	170	M16	Ø10	1300	350	120	91,5
8.1835.1105	40	1000	90	30	210	M16	Ø10	1050	450	120	121,5
8.1835.1106	40	1250	90	30	260	M16	Ø10	1300	500	120	121,5
8.1835.1107	60	1000	90	30	310	M16	Ø10	1050	550	120	121,5
8.1835.1108	60	1250	90	30	460	M16	Ø10	1300	700	120	121,5

Carrying consoles are supplied in pairs with holders fastened, ready for connection
Special designs and double-swivel consoles are available on request.

**Special designs of carrying consoles,
e.g. sliding carrying console, are available on request**



8.18352

10/2008

Subject to technical modification

Die changing station with drive

Dies up to a weight of 200 kN



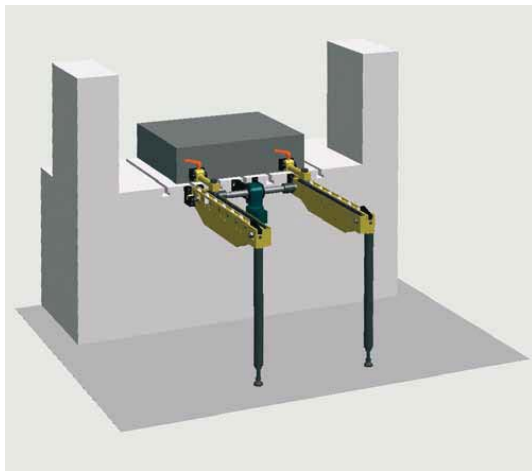
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Die changing system directly adapted to the press

This new die changing system with special pushpull 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



Subject to technical modification

8.18353

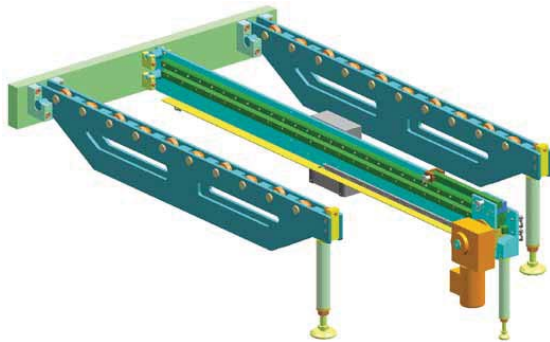
06/2009



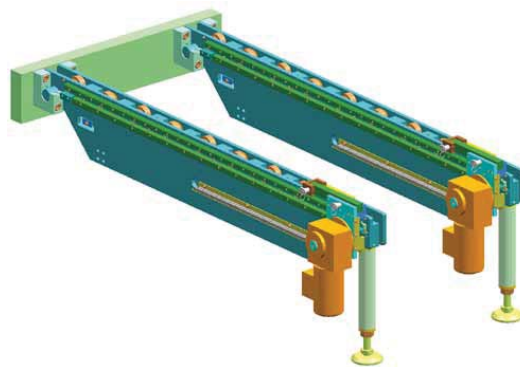
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Die changing station

Variations of the die changing station



Variation with a driven central console and two standard-type carrying consoles on the right and left side. This cost-effective alternative is flexible and can be used on various presses.



Variation with two driven and synchronized consoles. This extremely robust and precise alternative is suitable for almost all dies and geometries.

8.18353

06/2009

Subject to technical modification