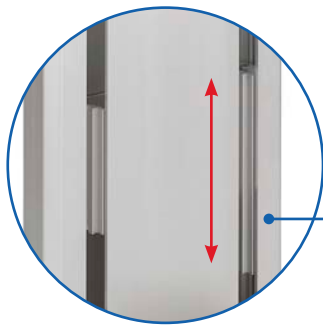


With internal carriage



Slimline design and an unbeatable price/performance ratio



Longitudinal slots

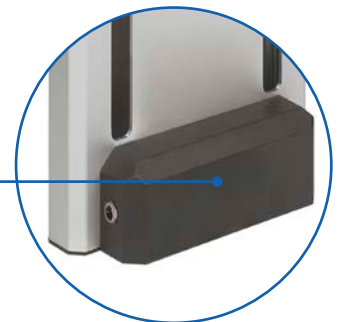
✓ Simple connection



Milled slot in the external profile (version B)

✓ This enables the bracing of two parallel Multilifts

with interior carriage



High-performance DC motor

Highlights / Features:

- Quadruple bearings with POM slide bearing shells
- High-performance DC motor
- Integrated limit switches
- Self-locking, even under max. load

Options:

- Special stroke lengths
- Quadro control enables control of up to 32 columns synchron
- Tested to EN 60601-1 (3E)

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Versions	Lifting column	Multilift with internal carriage Synchro Page 48
Accessories	Fixing	Foot Page 52

Technical data – internal carriage

General information/operating conditions

Type	Multilift with internal carriage	Custom
Design	Slim lifting column with internal carriage	
Guide	POM slide bearings	
Installation position	Any position / suspended with drop protection provided by the customer	
Push force*	3000 N or 1000 N	
Pull force*	1000 N (only in conjunction with factory-mounted base plate)	
Self-locking	Yes	
Max. travel speed	6 mm/s or 13 mm/s	
Max. stroke	498 mm	1200 mm
Installation dimension	Stroke + 210,5 mm (incl. base plate)	1600 mm
Voltage	24 V DC	
Current output	3 A or 4 A	
Protection class	IP 10	
Ambient temperature	+5°C to +40°C	
Displacement during synchronous operation	0 to 4 mm	
Duty cycle	At nominal load, 10% (max. 2 mins operating time, 18 mins rest time)	

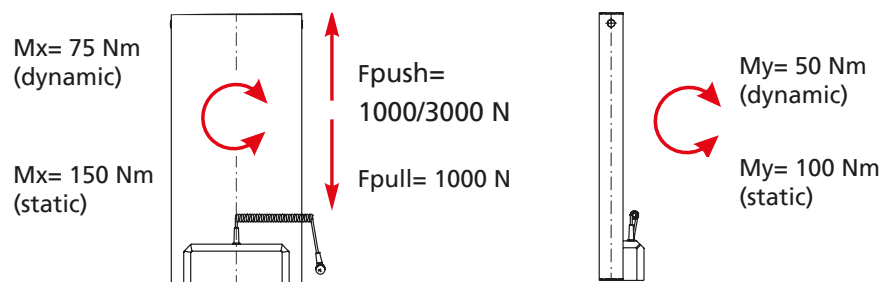
*Note:

All information refers to the standard sizes. All data of push/pull forces are referring to the individual lifting column, for combined applications a safety factor of up to 0,6 has to be considered.

In medical applications, the maximum pull force of 500 N and, in the case of the version with a travel speed of 8 mm/s, the maximum push force of 2000 N must not be exceeded.

Load data

with internal carriage



Drive	Push force [N]	Travel speed [mm/s]	Number of assigned motor channels			
			1	2	3	4
Multilift with internal carriage	1000	13	✓	✓	✓	each 750 N
Multilift with internal carriage	3000	6	✓	✓	each 2200 N	each 1500 N
			MultiControl II duo		MultiControl II quadro	

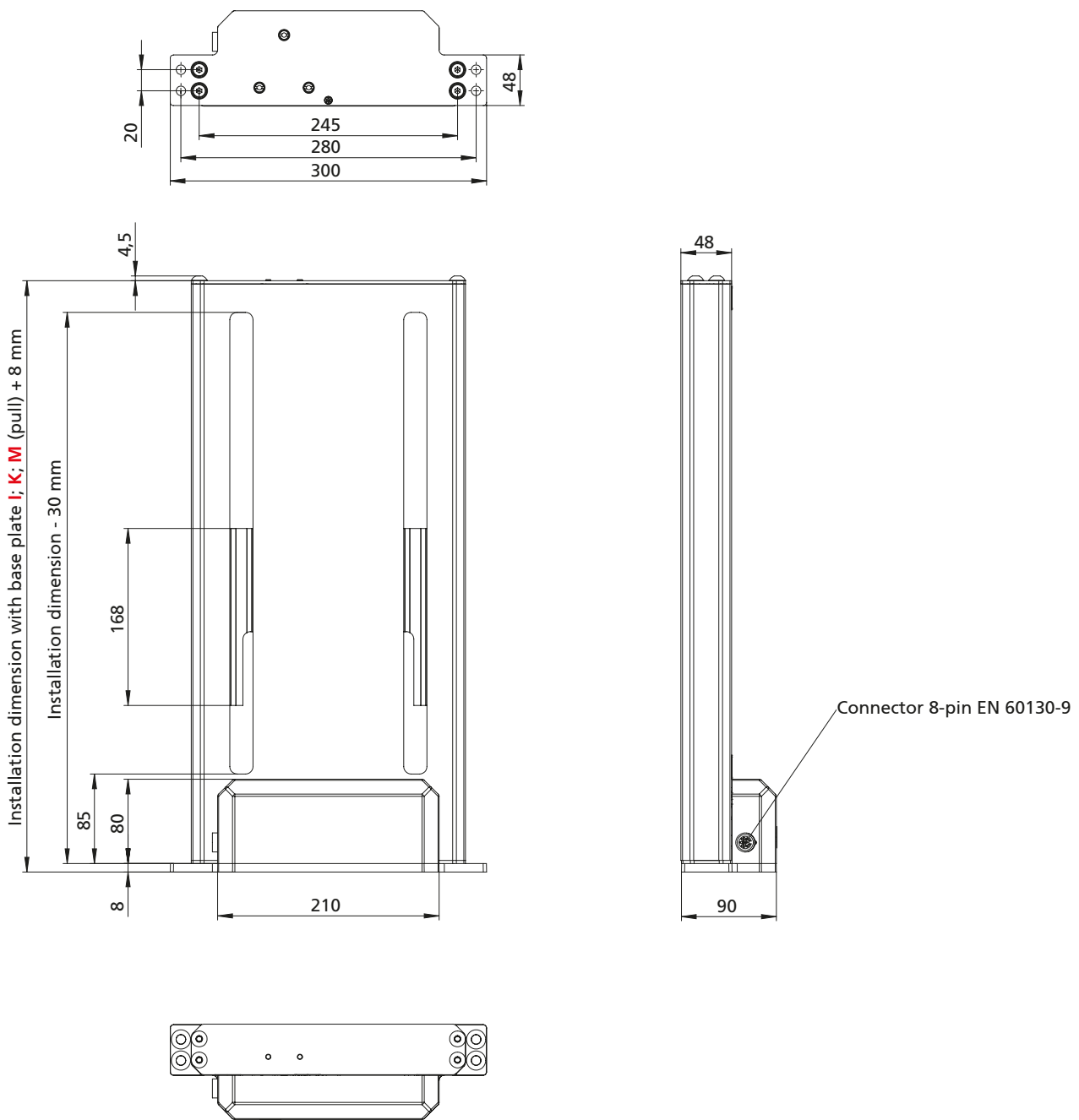
Note:

If more than 2 drives are to be operated synchronously at nominal load, BUS communication between two or more MultiControl II duo controllers is required.

The necessary accessories can be found on page 172

The procedure for setting up BUS communication is described in detail in the operating manual.





Versions

Multilift with internal carriage

The Multilift with internal carriage is used for continuously variable adjustment of equipment, operating units and screens etc. Unlike the Multilift, no inner profile is extended from the lifting column but rather a carriage moves in the base body of the lifting column. Any type of equipment can be connected and positioned using the slots in the carriage. The lifting column can be operated individually or in parallel as a pair. With lifting forces of up to 3000 N and an installation dimension of 500 mm in the standard range, this lifting column is suitable for a wide range of applications. Special lengths are also available on request.



Special features:

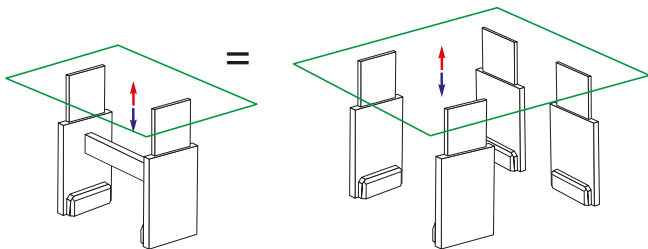
- High-performance DC motor
- Integrated limit switches
- Self-locking, even under max. load
- Special stroke lengths available on request

Ideal areas of application:

- Workplace ergonomics
- Industrial technology
- Media technology



Multilift Synchro



2-4 Multilifts in synchronous operation

Synchronous operation

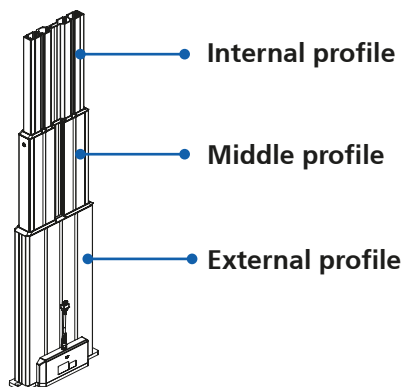
Synchronous operation of two or more columns. In conjunction with the integrated sensors, the control (see page 156) ensures synchronisation, and thus constant alignment of all the columns in both directions of travel, even if subject to different loads. The synchronous operation tolerance depends on the lifting speed and is max 2 mm on the 6 mm/s version and max 4 mm on the 13 mm/s version. A memory function is also available.



Universal Table Ironing Machine

Accessories

Foot



- Different foot versions for the Multilift
- No modifications to the Multilift required
- Max. load 1000 N

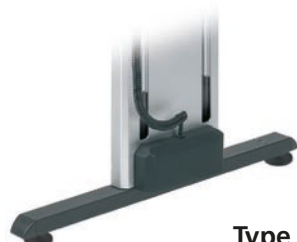
Material:

Type 1/2/5 GK-ALSi12/3.2583.02, black powder-coating

Type 3/4 steel tube, ends capped black powder-coating

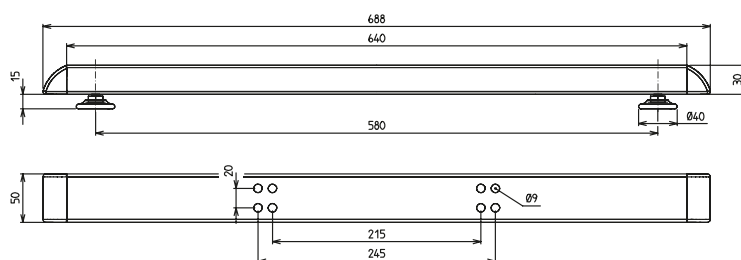
Scope of delivery:

one foot with fixing set



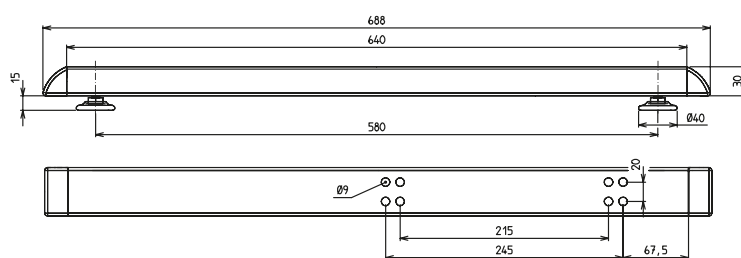
Type 3

Multilift centrally mounted
(choice of internal or external profile)



Type 4

Multilift mounted off-centre
(choice of internal or external profile)



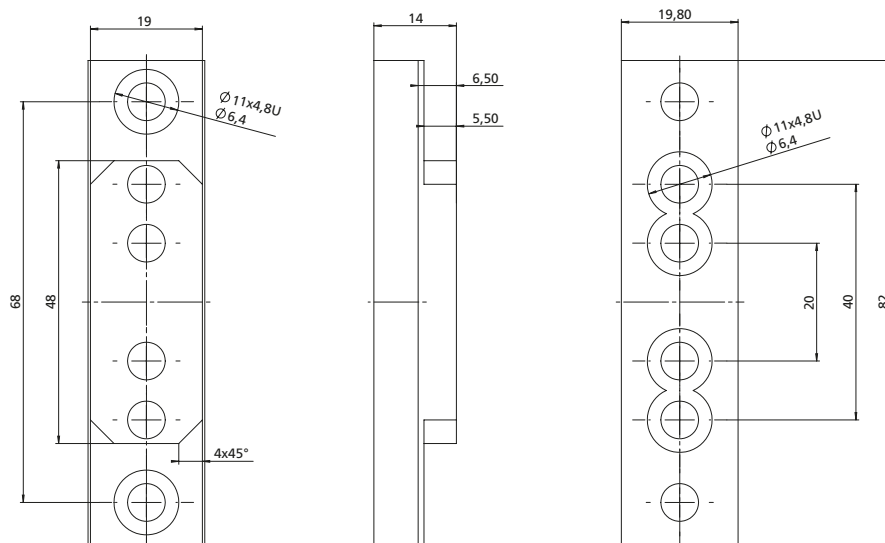
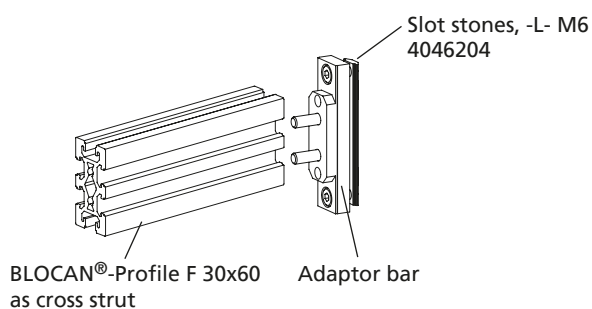
Code No.	Type	Max. load	Multilift	
			Internal profile	External profile
QZD020254	3	1000 N	•	•
QZD020255	4	1000 N	•	•

Adaptor bar

- Cross struts from the BLOCAN® Profile Assembly System are used to increase the stability of two version B Multilifts (see page 34). The adaptor bar is suitable for F profile 40 x 80 L and F 30x60.

Material: AlMgSi 0.5
Fixing set, zinc plated

Scope of delivery:
2x adaptor bars, fixing set



Code No.	Version
QZD020020	Adaptor bar for BLOCAN® profiles
4285000	Profile* F-40 x 80-L, can be cut to specification



Length (clear width between the Multilifts -2 mm)

* For dimensions of the profiles, please refer to the catalogue BLOCAN PROFILE TECHNOLOGY