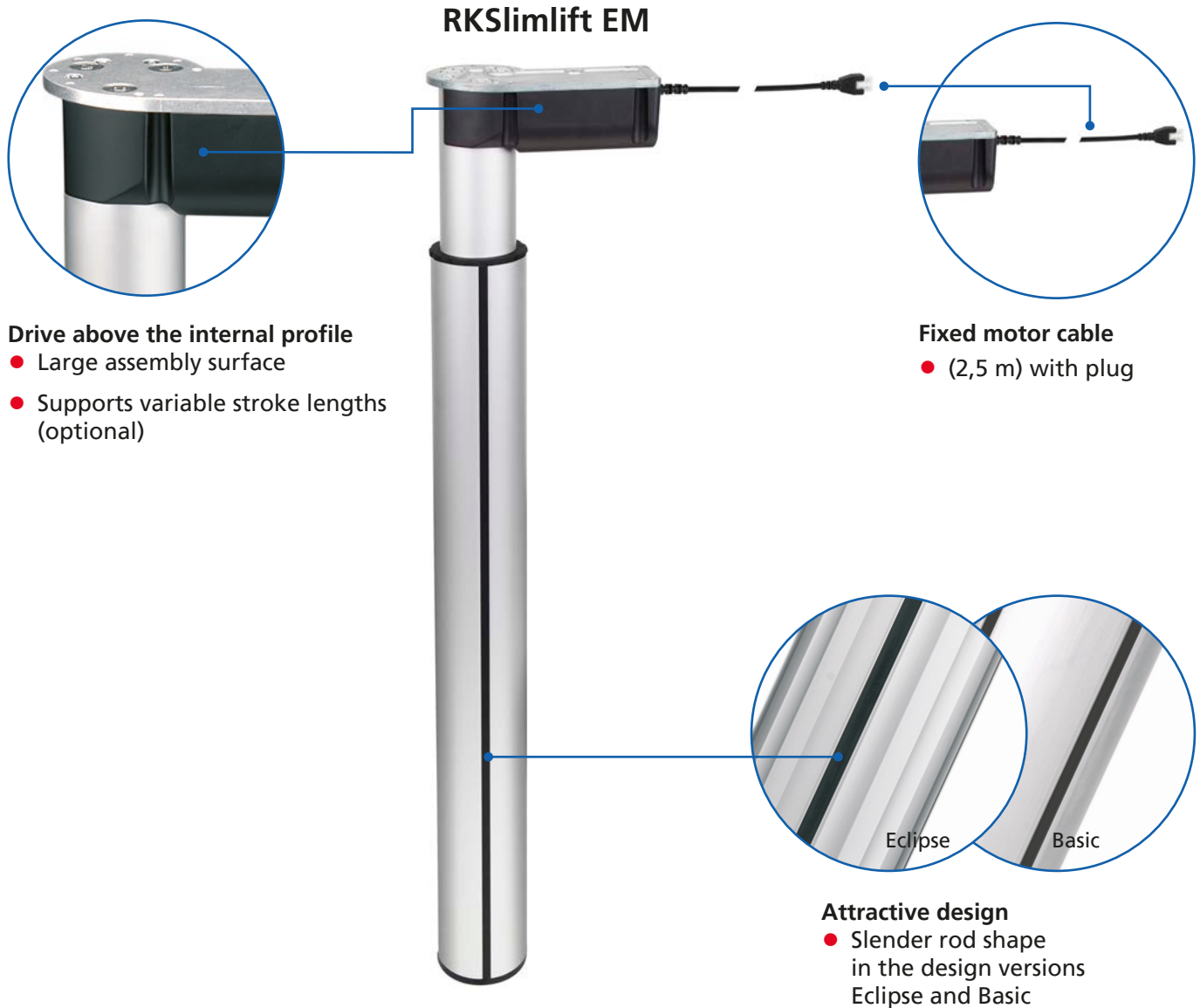


Two-stage lifting column

Rod-shaped design and extremely quiet operation



Highlights / Features:

- Excellent installation height/stroke length ratio
- Self-locking, even at max. load
- Fixing slots in external profile

Optionen:

- Version with manual drive via crank handle
- Further stroke lengths available on request
- Quadro control enables control of up to 32 columns synchron
- Can also be used cable free for mobile adjustment tasks with MultiControl II duo accu

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Lifting column

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Accessories

Fixing	Foot	Page 32
	Square nut	Page 33
	Profile adaptor	Page 33

Technical data

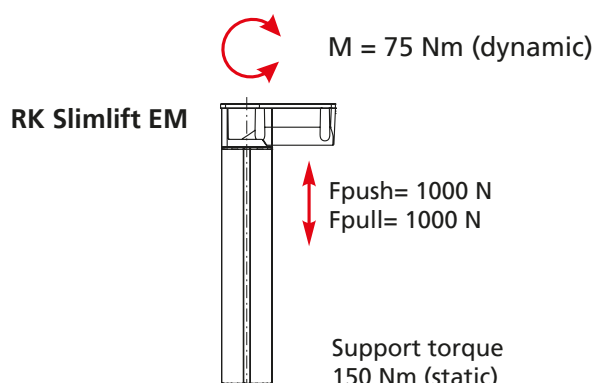
General information / operating conditions

Type	RK Slimlift EM	Custom
Design	Rod-shaped lifting column	
Guide	POM slide bearings	
Installation position	Any position / suspended with drop protection provided by the customer	
Push force	1000 N	
Pull force	1000 N	
Self-locking	yes	
Max. travel speed	15 mm/s	
Max. stroke	500 mm	750 mm
Installation dimension	Stroke + 180 mm	930 mm
Voltage	36 V DC	
Current output	3,5 A	
Protection class	IP 30	
Ambient temperature	+5°C to +40°C	
Displacement during synchronous operation	0 to 4 mm	
Duty cycle (Operation mode S3)	At nominal load, 15% (max. 1.5 mins operating time, 8.5 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.

Load data



Drive	Push force [N]	Travel speed [mm/s]	Number of assigned motor channels			
			1	2	3	4
RK Slimlift EM	1000	15	✓	✓	each 900 N	each 600 N
			MultiControl II duo		MultiControl II quadro	

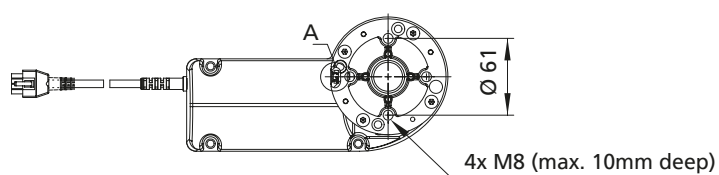
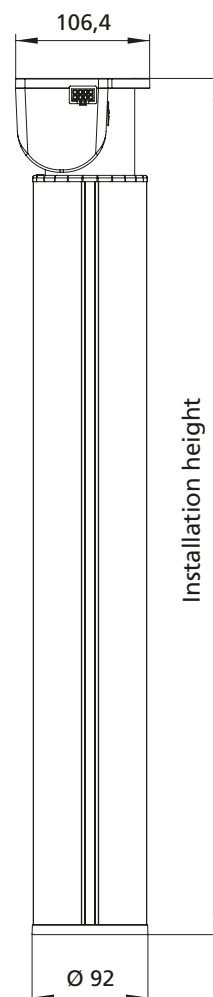
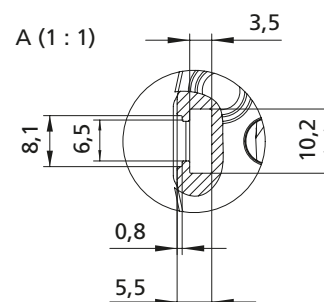
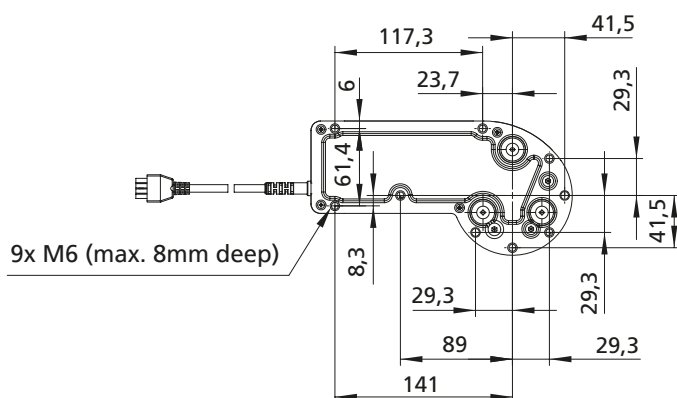
Note:

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

RK Slimlift EM

Based on the tried-and-tested **RK Slimlift** lifting column a further version has been developed. On the **RK Slimlift EM** the motor/gear unit is installed above the inner profile and is used simultaneously as a mounting surface for table frames screwed in place from above or table tops screwed in place from below, for instance. With a compressive force of 1000 N the **RK Slimlift EM** achieves 15 mm/s and absorbs side torques of an impressive 150 Nm. The standard installation dimension is 610 mm, with a stroke of up to 500 mm (Custom 750 mm) being possible.

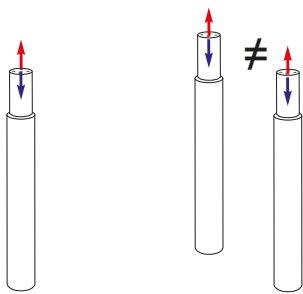


Special features:

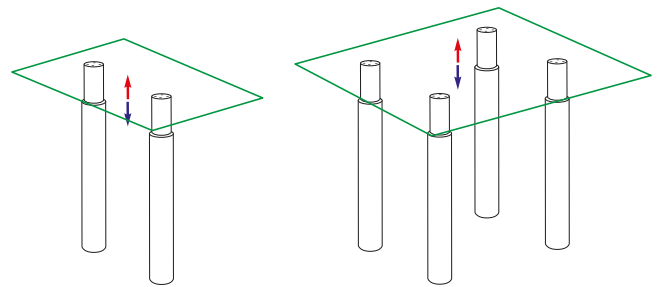
- Excellent installation height/stroke length ratio
- Attractive design
- Self-locking, even under max. load
- Fixing slots in external profile

Ideal areas of application:

- Workplace ergonomics
- Industrial technology
- Media technology



1-2 Slimlifts in single or parallel operation



2-4 Slimlifts in synchronous operation

Parallel operation

The premium version of the MultiControl II quadro has drive group management. Alongside synchronous and stand-alone operation, this also allows the following drive combinations to run parallel (1+1, 1+2, 2+1, 2+2).

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. 1.5 mm for the 8 mm/s version. A memory function is also available.

Individual components:

Lifting column RKSlimlift EM

Code No.	Type	Push force [N]	Pull force [N]	Lifting speed [mm/s]	Total travel [mm]	Installation dimension [mm]	Weight [kg]
QSL25BA290300	RKSlimlift EM Basic	1000	1000	15	300	480	~4.5
QSL25BA190300	RKSlimlift EM Eclipse	1000	1000	15	300	480	~4.5
QSL25BA290400	RKSlimlift EM Basic	1000	1000	15	400	580	~5.3
QSL25BA190400	RKSlimlift EM Eclipse	1000	1000	15	400	580	~5.3
QSL25BA290430	RKSlimlift EM Basic	1000	1000	15	430	610	~5.5
QSL25BA190430	RKSlimlift EM Eclipse	1000	1000	15	430	610	~5.5
QSL25BA290500	RKSlimlift EM Basic	1000	1000	15	500	680	~6.0
QSL25BA190500	RKSlimlift EM Eclipse	1000	1000	15	500	680	~6.0

System components

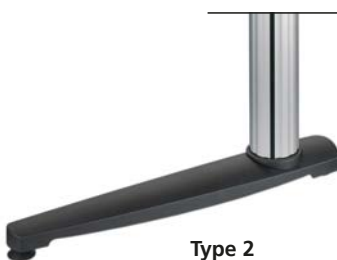
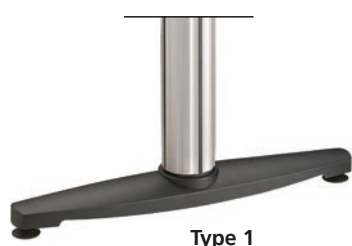
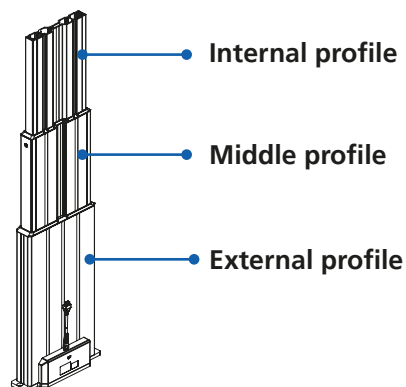
Code No.	Accessories	
Controls		
QST20H12AA000	MultiControl II duo - Basic	RKSlimplift EM
QST20H12AA022	MultiControl II duo - Premium	
QST20H14AA000	MultiControl II quadro - Basic	RKSlimplift EM
QST20H14AA022	MultiControl II quadro - Premium	
Hand switches		
QZB11G07AV041	Hand switch with 6 function keys and display – 1 m cable lenth	
QZB11G07AB041	Hand switch with 2 function keys – 1 m cable lenth	
QZD000074	Hand switch drawer for hand switch with 6 and 2 function keys	
IEC connector		
QZD070618	IEC cable (Europe version, earthed plug)	

Note:

Further accessories (hand switches, connecting cables etc.) can be found in the chapter „Controls and accessories“ starting on page 130

Accessories

Foot

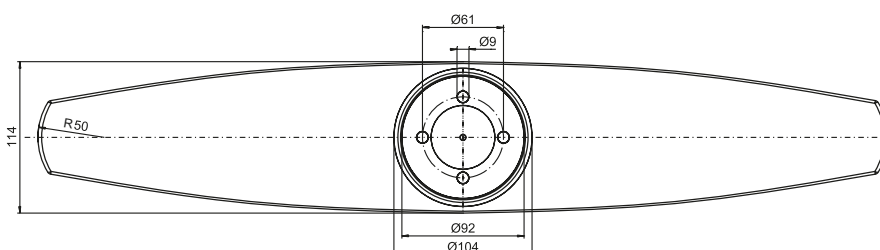
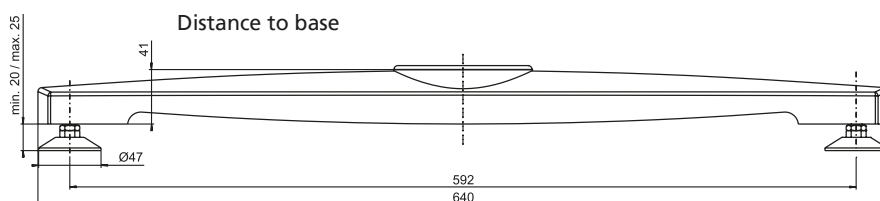


- Both foot versions can be bolted to the external profile without the need for any further modifications

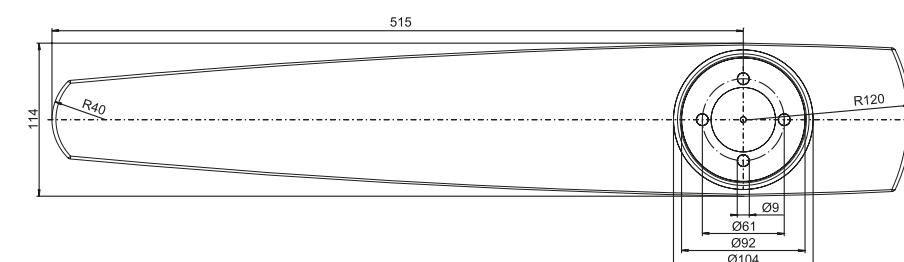
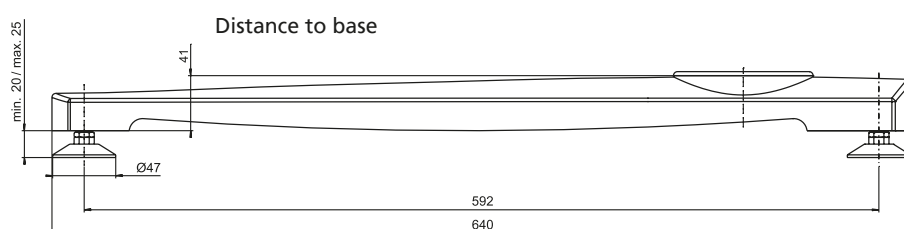
Material: GK-ALSi12/3.2583.02, black powder-coating

Max. load 1000 N

Type 1

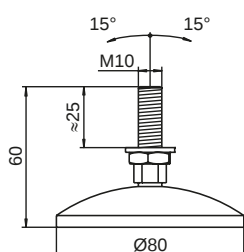


Type 2



Code No.	Type	Max. load	RK Slimlift EM	
			Internal profile	External profile
QZD120341	1	1000 N		•
QZD120342	2	1000 N		•

Levelling foot (for Type EM)



- The foot can be bolted centrally into the base plate of the RK Slimlift EM.
- Max. screw-in depth 25 mm

Material: steel parts zinc plated
Pivot plate PA, black



Code No.	Type	RK Slimlift EM	
		Internal profile	External profile
QZD120340	Levelling foot		•

Fixing

Square nut



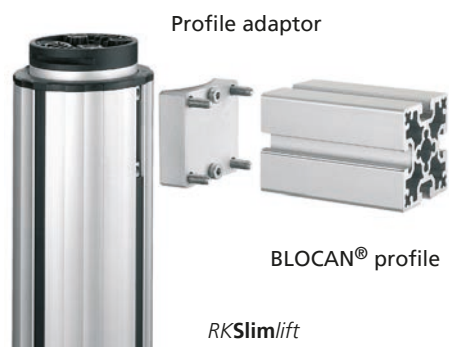
- For connecting accessories to the external profile

Material: zinc plated steel

Code No.	lot sizes	Type
QZD0505971	10, 20, 30... pcs	Square nut M6, DIN 562

Profile adaptor

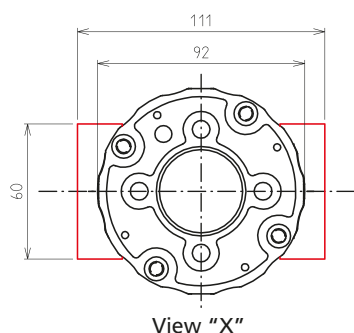
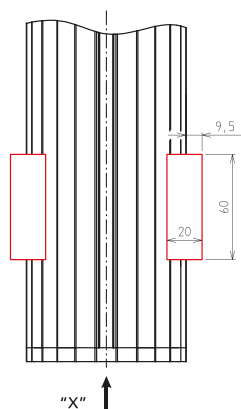
Connection example



- The profile adaptor allows several lifting columns to be together to form a stable combination. In this way, and with minimum effort, four columns can be connected to form lifting tables and operated via a synchronous control (Multi-Control II quadro). The aluminium profiles F-60/1, F-60-L, F-G 60, F-2G 60 from the BLOCAN® Profile Assembly System are suitable as struts for this purpose.

Material: AlMgSi, clear anodised Galvanised fastenings

Scope of delivery: one profile adaptor with fastenings for attachment to one end of the profile



Code No.	Type	RK Slimlift EM	
		Internal profile	External profile
QZD120256	Complete profile adaptor		•

Application example:

