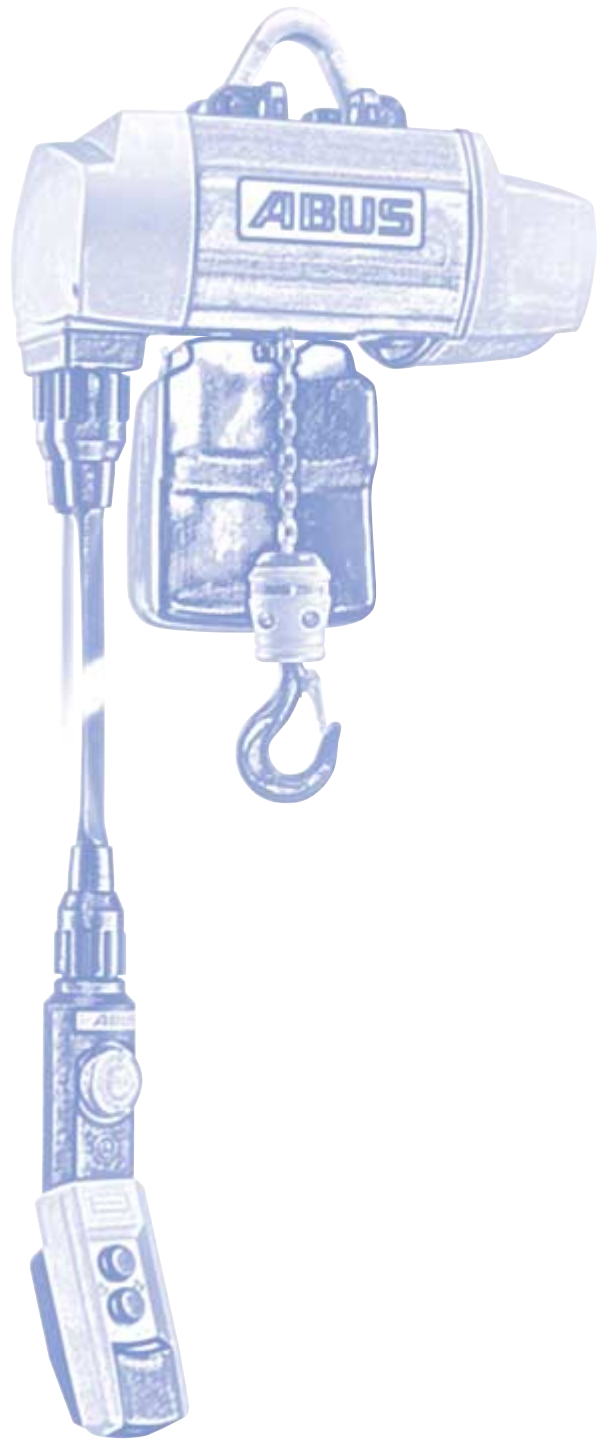




ABUCompact

- Product information
- Technical data



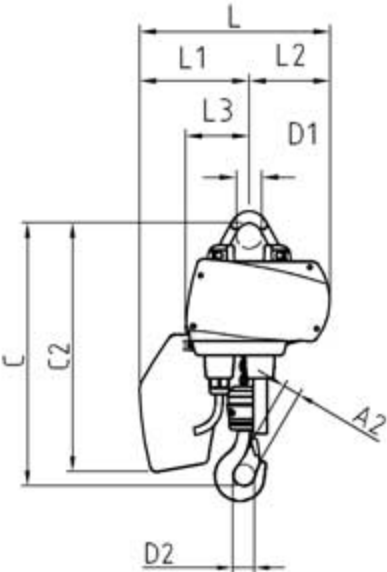
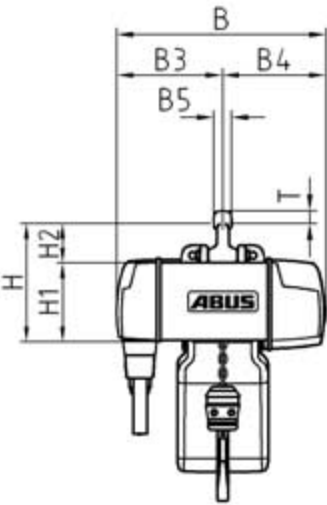
**Dimensioned sketches
ABUCompact GMC, GM2 – GM6**

Please fold page out

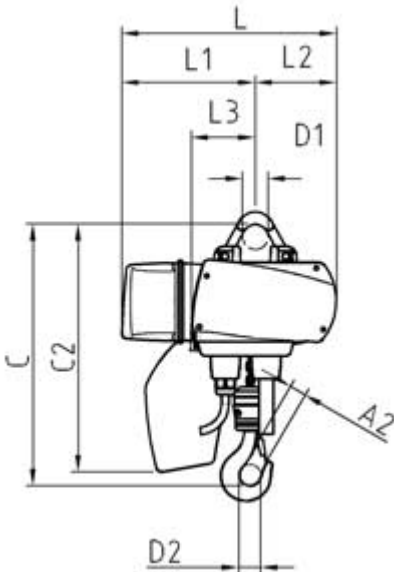
Dimensioned sketches of chain hoists

ABUCompact GMC and GM2 to GM6

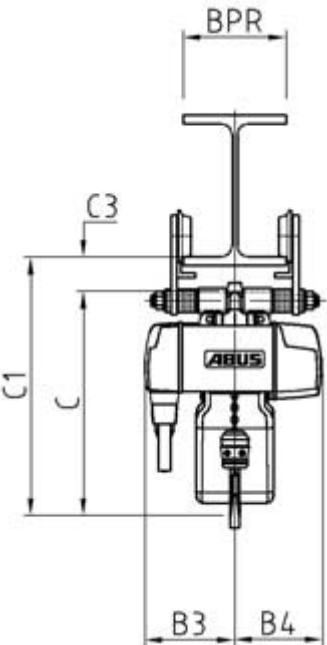
stationary



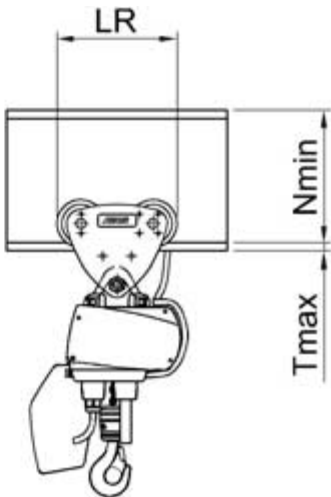
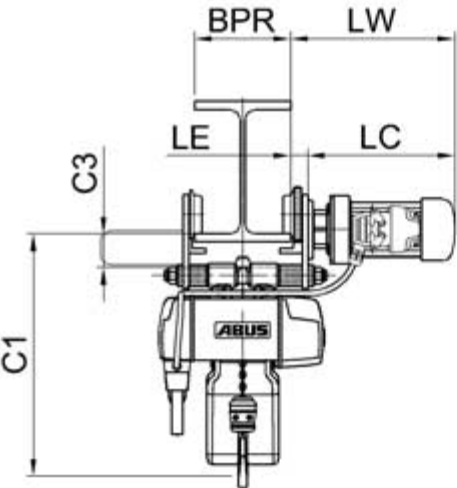
with additional housing



with HF push trolley



with EF electric trolley



Standard equipment

The new generation of ABUCompact chain hoists feature a fresh new design and convincing technical solutions. The 3 phase 400 volt hoists units are available in four different sizes to reliably handle loads from 80 kg through 4000 kg. The motor and the gear unit are of modular design, allowing us to produce a wide variety of versions for lifting speeds up to 20 m/min and FEM groups up to 4m at attractive prices.

The GM2, GM4 and GM8 hoists have already been introduced. The series will be completed by the introduction of the GM6 hoist in 2005.

ABUCompact GM2 to GM8

Scope of supply: electric chain hoist with pendant control handset and cable, ready to connect up to start work with its chain collector, chain and mains connection already fitted.

- hoist body finish painted RAL 5017 (traffic blue)
- hinged, removable suspension bracket
- operating voltage: 3-phase AC, 380 to 415 V, 50 Hz
- degree of protection IP 55, insulation class F
- control via pendant control handset complete with emergency stop button, degree of protection IP 65
- direct control
- alternatively contactor-type control with semiconductor technology for GM8
- quick plug-type connections with twist lock
- 2 lifting speeds (main and precision lift)
- overload protection with externally adjustable slipping clutch
- high-strength, galvanized profile steel chain with chain container
- hook path 3000 mm
- pendant control cable to suit hoist hook path

Until then, GM5 hoists from the tried and tested “New Classic” series will continue to be available. Details of the ABUS electric chain hoist range and introduction dates are given in the selection table on page 11.

Why not take advantage of the additional features described from page 8 onwards.

The small GMC hoist rounds off the ABUCompact range. With infinitely variable lifting speed and a load capacity of 100 kg or 200 kg, this unit, supplied ready for connection to a 230 V power socket, is the ideal hoist for flexible and low capacity applications.



ABUCompact GM2



ABUCompact GM8



ABUCompact GMC

ABUCompact GMC

Scope of supply: electric chain hoist with pendant control handset and cable, ready to connect up to start work with its chain collector, chain, approximately 3 meters of mains power cable and connection already fitted.

- hoist body finish painted RAL 5017 (traffic blue)
- hinged, removable suspension bracket
- operating voltage: single-phase AC, 230 V, 50 Hz
- degree of protection IP 21, insulation class F
- control via pendant control handset complete with emergency stop button, degree of protection IP 65
- direct control
- infinitely variable lifting speed
- overload protection by slipping clutch with fixed adjustment
- high-strength, galvanized round steel chain with chain container
- hook path 3000 mm
- pendant control cable to suit hoist hook path

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Page 30	Drawings with dimensions, ABUCompact GM8

Conditions:

O = Prices on application

Technical details

useful information on the ABUCompact GM2 to GM8

Standards and safety regulations

All ABUS chain hoists are designed and manufactured in accordance with the applicable EU directives and harmonized standards, as well as the BGV D8 accident prevention regulations and the German Equipment Safety Act.



Motor and gear unit

The motor and gear units are of modular design, allowing a variety of combinations for different lifting speeds. All the motors used are sturdy squirrel-cage units with 2-pole and 8-pole windings and the gear unit is separately encapsulated. This ensures considerable benefits for installation and maintenance. The permanently lubricated spur gear features bevelled gear wheels and roller bearings for smooth running.



2 lifting speeds

Two lifting speeds, one for fast lifting and one for precision positioning, are a standard feature. The speed ratio (precision:main lift) is 1:4 for the GM2 and GM4 and 1:6 for the GM8.



Integrated safety brake

The DC disk brake features asbestos-free brake linings with a long service life (a million braking operations up to the first adjustment). The adjustable brake is designed for a very short run-on.



Slipping clutch

The slipping clutch offers reliable protection against overloading. Special linings designed for minimum wear ensure high safety levels over the entire service life of the unit. The slipping clutch is designed for easy external adjustment.



Suspension bracket

The removable, hinged suspension bracket is designed for easy suspension and removal of the hoist. The bracket ensures that the hoist is positioned in a fixed direction. On GM2 and GM4 hoists, the bracket is designed for installation in two positions, with an angle of 90° between them. Without the suspension bracket, the hoist may also be rigidly fixed by other means. The reduced installation spacing then allows an increase in the lifting height.



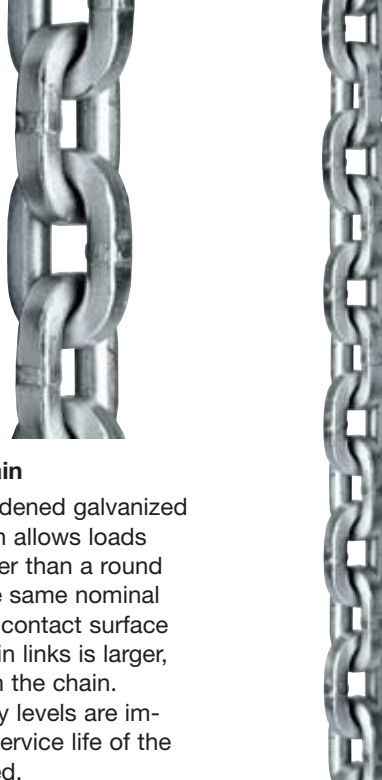
Chain system

The chain system consists of a high-precision chain sprocket entirely surrounded by the chain guide. Both the chain sprocket and the chain guide are of modular design, allowing easy replacement without the need to spend time and money dismantling the hoist to reach the parts.



Rotating hook block (single fall)

The hook block is designed to rotate on the chain. The hook and the hook block form a single, torsionally stable unit. The load can be effectively guided and oriented using a hand on the hook block.



Profile steel chain

The specially hardened galvanized steel profile chain allows loads about 25 % higher than a round steel chain of the same nominal dimensions. The contact surface between the chain links is larger, reducing wear on the chain. In practice, safety levels are improved and the service life of the chain is prolonged.



Quick plug-type connectors

The power supply and the control unit are connected up using quick plug-type connectors with twist locks. The connection is firm and confusion is not possible. These connectors save time and make installation and maintenance work safer.



48 V contactor-type control system

The electronic contactor-type control system features no-wear semiconductor technology. This configuration allows considerable weight and space savings compared with mechanical contactors. (Standard equipment for GM8, optional for GM2 and GM4)



Sheathed control line

No additional strain relief devices are required with the new sheathed control line. Tensile forces are absorbed by the specially coated fabric of the sheath. The conductors inside the sheath can move freely and are effectively protected against mechanical damage.



Pendant control

ABUCompact hoists are controlled from ground level using ergonomically designed ABUCommander pendant controls with 2-stage push buttons and large emergency stop buttons. The pendant control is connected using quick plug-type connectors with twist locks (bayonet locks).

Optional extras for MORE convenience



Operating hours meter

An operating hours meter allows a realistic assessment of the work actually performed by a hoist. The operating hours indicated can be used for calculating the remaining service life of the hoist in accordance with FEM 9.755. With an operating hours meter, longer safe working periods are normally possible.

Contactor-type control system for lifting and lowering

The electronic contactor-type control system features advanced, no-wear semiconductor technology and is integrated in the hoist. This configuration features considerable weight and space savings compared with conventional mechanical contactors. The control voltage is 48 V.



Alternative: contactor-type control system for lifting, lowering and trolley travel

Extended semiconductor contactor-type control system also incorporating trolley travel control functions. If this option is selected for a GM2 hoist, the contactor-type control system is installed in an additional housing on the hoist.



ABUliner frequency converter for lifting and lowering

Infinitely variable speed control for the smooth handling of sensitive products such as glass or ceramics or long, bulky loads. The ABUliner also allows precise positioning for tricky assembly and joining operations.

For additional safety, the frequency converter features an electronic shut-down system with two programmable shut-down points that can be set via the pendant control.



Electronic limit switch (two positions)

The electronic limit switch features two programmable shut-down points for even safer operation. The shut-down points for highest and lowest hook position can be programmed individually using a teach-in button on the pendant control. When the shut-down point is reached, the lifting or lowering movement is stopped. This option is only available in combination with a 48 V contactor-type control system.

Alternative: limit switch with two additional switching points

This option features two additional switching points between the highest and lowest hook position. These can be used as stop-and-go points during operation.



Cruciform limit switch for trolley travel

These switches can be used to slow the trolley to a lower speed ahead of the end stops. When the trolley has passed the limit switch, it can be moved back in the other direction at low speed. This option is only available in combination with a contactor-type control system.

Alternative: Deceleration to low trolley travel speed **followed by shut-down** at the end of trolley travel before the end stops are reached. When the trolley has passed the limit switch, it can be moved back in the other direction at high speed.



Additional power socket on hoist

This option includes an additional 5-pole (3/N/PE) power socket on the hoist for ancillary equipment. The socket is connected upstream from the emergency stop switch and the ancillary equipment therefore remains in operation following an emergency stop. Easy connection and disconnection is possible. Depending on the individual application, it may be necessary to provide a 5-pole power supply. (This option is not available in combination with an electric trolley.)



ABUS Mini-RC remote control unit

ABUS Mini-RC plug and play radio remote control unit for two-stage lifting and lowering. The control unit consists of a lightweight hand-held transmitter with batteries and belt clip, an integrated horn, emergency stop switch and undervoltage detection system with buzzer. The receiver is designed for plug and play operation and can simply be plugged into the hoist instead of the pendant control. This option is only available in combination with a 48 V contactor-type control system.

Alternative: Mini-RC for two-stage lifting and lowering **as well as trolley travel**. For radio remote control, cruciform limit switches are recommended for limiting trolley travel. For optimum operation, advance slow-down followed by shut-down is strongly recommended.



Units for special voltages available on request:

440 – 480 V / 60 Hz	208 – 230 V / 60 Hz
220 – 240 V / 50 Hz	550 – 600 V / 60 Hz
360 – 400 V / 60 Hz	460 – 500 V / 50 Hz

ABUS trolleys



ABUS HF push trolleys

- sturdy design with roller bearings
- virtually no maintenance required
- machined rollers
- fitted with drop stop and wheel climb prevention lugs
- colour RAL 5017 (traffic blue), suits many different chain hoist models
- adjustable for flange widths from 42 to 300 mm



ABUS EF electric trolleys

- sturdy design with roller bearings
- virtually no maintenance required
- speed 5/20 m/min
- high-quality standard drive system
- degree of protection IP 55
- durable electromechanical disk brake
- machined rollers
- fitted with drop stop and wheel climb prevention lugs
- colour RAL 5017 (traffic blue), suits many different chain hoist models
- adjustable for flange widths from 42 to 300 mm

An important subject: drive group (FEM group) selection

Apart from the type of hoist required, the load capacity, the hook path and the lifting speed, the drive or FEM group is one of the main criteria to consider when selecting a hoist. The drive group must be selected to ensure that the hoist is fit for use for its intended purpose.

Standard hoists are normally designed for a mean theoretical service life of 10 years, subject to operation in accordance with FEM 9.511. If the drive group selected is not appropriate in view of actual service conditions, the actual service life may be considerably shorter than 10 years. The results are excessive expenditure for maintenance, repairs and overhauls. In Germany, accident prevention regulations VBG D8 and D6 require hoist operators to determine the used-up portion of the theoretical service life during each regular inspection of the hoist. When the theoretical service life has elapsed, the hoist must be de-commissioned. Continued operation is only permitted if an inspector finds that there are no objections to continued operation and lays down conditions for operation. Normally, the inspector requires the hoist to be overhauled. The objective of these requirements is to ensure that each hoist is only operated within its safe working period (S.W.P.).

The following table indicates the theoretical service life D in hours for FEM groups 1 Bm, 1 Am, 2 m, 3 m and 4m.

	Drive group	1Bm/M3	1Am/M4	2m/M5	3m/M6	4m/M7
Line	Load population	Theoretical service life D (h)				
1	light	3200	6300	12500	25000	50000
2	medium	1600	3200	6300	12500	25000
3	heavy duty	800	1600	3200	6300	12500
4	very heavy duty	400	800	1600	3200	6300

In addition to the mean working time per day, t_m (total average hours of operation of the hoist per day), the correct assessment of the load population is essential for selecting the appropriate drive group. The value t_m is given by the following equation:

$$t_m = \frac{2 \times \text{mean lifting height (m)} \times \text{load cycles (1/h)} \times \text{working time (h/day)}}{60 \text{ (min/h)} \times \text{lifting speed (m/min)}}$$

Mean lifting height

the average hook travel under actual operating conditions

Load cycles

the average number of lifting operations per hour. A load cycle consists of one lifting and one lowering operation, i.e. two hook movements (lifting operations with an empty hook as a result of process conditions must also be taken into account in determining load cycles, but also make the load population determined less severe.

Working time

average working time per day within which the average load cycles per hour are performed

Lifting speed

average lifting speed (normally the maximum lifting speed) at which the load cycles are performed.

The selection of the next highest FEM group results in a doubling of the theoretical service life if the operating conditions assumed remain unchanged.

Further information on this rather complex subject is given by FEM 9.755 and the fourth supplement to accident prevention regulation VBG 8 for winches, hoists and traction systems. We will also be pleased to send you our planning service form for selecting the correct FEM group as well as an article concerning the determination of remaining service life.

If the mean working time t_m and the load population are known, the correct drive group in accordance with DIN 15020 or FEM 9.755 can be selected using the following table.

Load population	Definition of load population		Mean working time t_m per working day in h				
1 (light)	($k \leq 0.50$) Only operated at maximum load in exceptional cases, mainly operated at very low load, small dead load		≤ 2	2 - 4	4 - 8	8 - 16	> 16
2 (medium)	($0.50 < k \leq 0.63$) operated quite frequently at maximum load, operated continuously at low load, medium dead load		≤ 1	1 - 2	2 - 4	4 - 8	8 - 16
3 (heavy duty)	($0.63 < k \leq 0.80$) operated frequently at maximum load, operated continuously at medium load, heavy dead load		$\leq 0,5$	0,5 - 1	1 - 2	2 - 4	4 - 8
4 (very heavy duty)	($0.80 < k \leq 1$) operated regularly at maximum load, very heavy dead load		$\leq 0,25$	0,25 - 0,5	0,5 - 1	1 - 2	2 - 4
Drive/FEM group in accordance with DIN 15020 or FEM 9.511			1Bm	1Am	2m	3m	4m

Selection table for electric chain hoists

(operating voltage 400 V, 50 Hz, 3-phase)

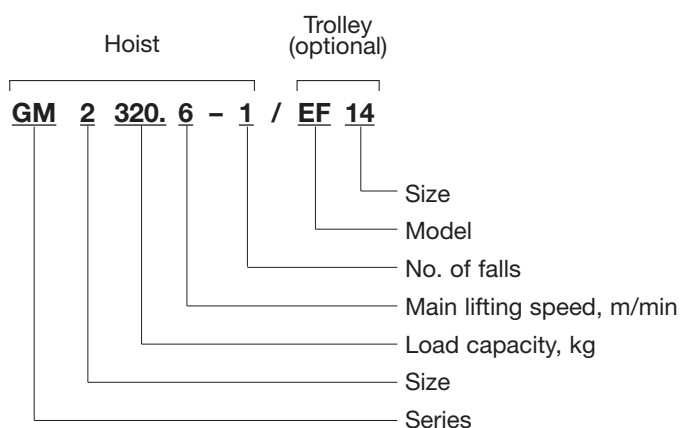
Main lift	3 m/min	4 m/min	5 m/min	6 m/min		8 m/min		10 m/min		12 m/min	16 m/min	20 m/min
No. of falls	2/1	2/1	2/1	1/1	2/1	1/1	2/1	1/1	2/1	1/1	1/1	1/1
Load capacity												
kg												
80				GM2 (4m)		GM2 (4m)		GM2 (4m)		GM2 (4m)	GM2 (4m)	GM2 (3m)
100				GM2 (4m)		GM2 (4m)		GM2 (4m)		GM2 (4m)	GM2 (3m)	GM2 (2m)
125				GM2 (4m)		GM2 (4m)		GM2 (4m)		GM2 (3m)	GM2 (2m)	
160	GM2 (4m)	GM2 (4m)	GM2 (4m)	GM2 (4m)	GM2 (4m)	GM2 (4m)	GM2 (4m)	GM2 (3m)	GM2 (3m)	GM2 (2m)		
200	GM2 (4m)	GM2 (4m)	GM2 (4m)	GM2 (3m)	GM2 (4m)	GM2 (3m)	GM2 (3m)	GM2 (2m)	GM2 (2m)			
250	GM2 (4m)	GM2 (4m)	GM2 (4m)	GM2 (2m)	GM2 (3m)	GM2 (2m)	GM2 (2m)	GM4 (4m)		GM4 (4m)	GM4 (3m)	GM4 (2m)
320	GM2 (4m)	GM2 (4m)	GM2 (3m)	GM2 (1Am)	GM2 (2m)	GM4 (4m)		GM4 (4m)		GM4 (3m)	GM4 (2m)	
400	GM2 (3m)	GM2 (3m)	GM2 (2m)			GM4 (3m)		GM4 (3m)		GM4 (2m)		
500	GM2 (2m)	GM2 (2m)	GM4 (4m)	GM5 (3m)	GM4 (4m)	GM4 (2m)	GM4 (3m)	GM4 (2m)	GM4 (2m)			
630	GM2 (1Am)	GM4 (4m)	GM4 (4m)	GM5 (3m)	GM4 (3m)	GM4 (1Am)	GM4 (2m)	GM5 (2m)				
800		GM4 (3m)	GM4 (3m)	GM5 (2m)	GM4 (2m)	GM8 (3m)	GM5 (2m)	GM5 (1Am)		GM8 (3m)	GM8 (3m)	GM8 (2m)
1000		GM4 (2m)	GM5 (3m)	GM5 (1Am)		GM8 (3m)		GM5 (1Bm)		GM8 (3m)	GM8 (2m)	
1250		GM4 (1Am)	GM5 (2m)			GM8 (3m)		GM8 (2m)		GM8 (2m)		
1600		GM8 (3m)	GM5 (1Am)		GM8 (3m)	GM8 (2m)	GM8 (3m)	GM8 (1Am)	GM8 (2m)			
2000		GM8 (3m)	GM5 (1Bm)		GM8 (3m)	GM8 (1Am)	GM8 (2m)					
2500		GM8 (3m)	GM8 (2m)		GM8 (2m)							
3200		GM8 (2m)	GM8 (1Am)									
4000		GM8 (1Am)										

Selection table for electric chain hoists

(operating voltage 230 V, 50 Hz, 1-phase)

Main lift	6 m/min (infinitely variable)	12 m/min (infinitely variable)
No. of falls	2/1	1/1
Load capacity		
kg		
100		GMC (1Am)
200	GMC (1Am)	

Type designation



Availability:

New Classic GM3	until Sept. 2004 (with reservations)
ABUCompact GM4	from July 2004
ABUCompact GM6	2005

Prices for ABUCompact GM2 to GM8 electric chain hoists

(operating voltage 400 V, 50 Hz, 3-phase)

¹⁾ Duty cycle, %

Load capacity kg	Lifting speed m/min	FEM/ISO group	Model	No. of falls	Hook	Motor		Stationary	With push trolley ²⁾		With electric trolley ²⁾	
						kw	%ED ¹⁾ c/h		Model	Model		
80	1.5 / 6	4m / M7	GM 2 80.6-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
80	2 / 8	4m / M7	GM 2 80.8-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
80	2.5 / 10	4m / M7	GM 2 80.10-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
80	3 / 12	4m / M7	GM 2 80.12-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
80	4 / 16	4m / M7	GM 2 80.16-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
80	5 / 20	3m / M6	GM 2 80.20-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
100	1.5 / 6	4m / M7	GM 2 100.6-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
100	2 / 8	4m / M7	GM 2 100.8-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
100	2.5 / 10	4m / M7	GM 2 100.10-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
100	3 / 12	4m / M7	GM 2 100.12-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
100	4 / 16	3m / M6	GM 2 100.16-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
100	5 / 20	2m / M5	GM 2 100.20-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
125	1.5 / 6	4m / M7	GM 2 125.6-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
125	2 / 8	4m / M7	GM 2 125.8-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
125	2.5 / 10	4m / M7	GM 2 125.10-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
125	3 / 12	3m / M6	GM 2 125.12-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
125	4 / 16	2m / M5	GM 2 125.16-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
160	1.5 / 6	4m / M7	GM 2 160.6-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
160	2 / 8	4m / M7	GM 2 160.8-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
160	2.5 / 10	3m / M6	GM 2 160.10-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
160	3 / 12	2m / M5	GM 2 160.12-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
160	0.8 / 3	4m / M7	GM 2 160.3-2	2	05	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
160	1 / 4	4m / M7	GM 2 160.4-2	2	05	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
160	1.3 / 5	4m / M7	GM 2 160.5-2	2	05	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
160	1.5 / 6	4m / M7	GM 2 160.6-2	2	05	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
160	2 / 8	4m / M7	GM 2 160.8-2	2	05	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
160	2.5 / 10	3m / M6	GM 2 160.10-2	2	05	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
200	1.5 / 6	3m / M6	GM 2 200.6-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
200	2 / 8	3m / M6	GM 2 200.8-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
200	2.5 / 10	2m / M5	GM 2 200.10-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
200	0.8 / 3	4m / M7	GM 2 200.3-2	2	05	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
200	1 / 4	4m / M7	GM 2 200.4-2	2	05	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
200	1.3 / 5	4m / M7	GM 2 200.5-2	2	05	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
200	1.5 / 6	4m / M7	GM 2 200.6-2	2	05	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
200	2 / 8	3m / M6	GM 2 200.8-2	2	05	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
200	2.5 / 10	2m / M5	GM 2 200.10-2	2	05	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
250	1.5 / 6	2m / M5	GM 2 250.6-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
250	2 / 8	2m / M5	GM 2 250.8-1	1	012	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
250	0.8 / 3	4m / M7	GM 2 250.3-2	2	05	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
250	1 / 4	4m / M7	GM 2 250.4-2	2	05	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
250	1.3 / 5	4m / M7	GM 2 250.5-2	2	05	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
250	1.5 / 6	3m / M6	GM 2 250.6-2	2	05	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
250	2 / 8	2m / M5	GM 2 250.8-2	2	05	0.09 / 0.35	60 360	O	HF 3	O	EF 14	O
250	2 / 8	4m / M7	GM 4 250.8-1	1	025	0.22 / 0.9	60 360	O	HF 3	O	EF 14	O
250	2.5 / 10	4m / M7	GM 4 250.10-1	1	025	0.22 / 0.9	60 360	O	HF 3	O	EF 14	O
250	3 / 12	4m / M7	GM 4 250.12-1	1	025	0.22 / 0.9	60 360	O	HF 3	O	EF 14	O
250	4 / 16	3m / M6	GM 4 250.16-1	1	025	0.22 / 0.9	60 360	O	HF 3	O	EF 14	O
250	5 / 20	2m / M5	GM 4 250.20-1	1	025	0.22 / 0.9	60 360	O	HF 3	O	EF 14	O
320	1.5 / 6	1Am / M4	GM 2 320.6-1	1	025	0.09 / 0.35	60 360	O	HF 6	O	EF 14	O
320	0.8 / 3	4m / M7	GM 2 320.3-2	2	05	0.09 / 0.35	60 360	O	HF 6	O	EF 14	O
320	1 / 4	4m / M7	GM 2 320.4-2	2	05	0.09 / 0.35	60 360	O	HF 6	O	EF 14	O
320	1.3 / 5	3m / M6	GM 2 320.5-2	2	05	0.09 / 0.35	60 360	O	HF 6	O	EF 14	O
320	1.5 / 6	2m / M5	GM 2 320.6-2	2	05	0.09 / 0.35	60 360	O	HF 6	O	EF 14	O
320	2 / 8	4m / M7	GM 4 320.8-1	1	025	0.22 / 0.9	60 360	O	HF 6	O	EF 14	O
320	2.5 / 10	4m / M7	GM 4 320.10-1	1	025	0.22 / 0.9	60 360	O	HF 6	O	EF 14	O
320	3 / 12	3m / M6	GM 4 320.12-1	1	025	0.22 / 0.9	60 360	O	HF 6	O	EF 14	O
320	4 / 16	2m / M5	GM 4 320.16-1	1	025	0.22 / 0.9	60 360	O	HF 6	O	EF 14	O
400	0.8 / 3	3m / M6	GM 2 400.3-2	2	05	0.09 / 0.35	60 360	O	HF 6	O	EF 14	O
400	1 / 4	3m / M6	GM 2 400.4-2	2	05	0.09 / 0.35	60 360	O	HF 6	O	EF 14	O

²⁾ For prices for trolley current collectors, see page 17

Load capacity kg	Lifting speed m/min	FEM/ISO group	Model	No. of falls	Hook	Motor			Stationary	With push trolley ²⁾		With electric trolley ²⁾	
						kw	%ED ¹⁾	c/h		Model	Model		
400	1.3 / 5	2m / M5	GM 2 400.5-2	2	05	0.09 / 0.35	60	360	○	HF 6	○	EF 14	○
400	2 / 8	3m / M6	GM 4 400.8-1	1	025	0.22 / 0.9	60	360	○	HF 6	○	EF 14	○
400	2.5 / 10	3m / M6	GM 4 400.10-1	1	025	0.22 / 0.9	60	360	○	HF 6	○	EF 14	○
400	3 / 12	2m / M5	GM 4 400.12-1	1	025	0.22 / 0.9	60	360	○	HF 6	○	EF 14	○
500	0.8 / 3	2m / M5	GM 2 500.3-2	2	05	0.09 / 0.35	60	360	○	HF 6	○	EF 14	○
500	1 / 4	2m / M5	GM 2 500.4-2	2	05	0.09 / 0.35	60	360	○	HF 6	○	EF 14	○
500	2 / 8	2m / M5	GM 4 500.8-1	1	025	0.22 / 0.9	60	360	○	HF 6	○	EF 14	○
500	2.5 / 10	2m / M5	GM 4 500.10-1	1	025	0.22 / 0.9	60	360	○	HF 6	○	EF 14	○
500	1 / 4	4m / M7	GM 4 500.4-2	2	05	0.22 / 0.9	60	360	○	HF 6	○	EF 14	○
500	1.3 / 5	4m / M7	GM 4 500.5-2	2	05	0.22 / 0.9	60	360	○	HF 6	○	EF 14	○
500	1.5 / 6	4m / M7	GM 4 500.6-2	2	05	0.22 / 0.9	60	360	○	HF 6	○	EF 14	○
500	2 / 8	3m / M6	GM 4 500.8-2	2	05	0.22 / 0.9	60	360	○	HF 6	○	EF 14	○
500	2.5 / 10	2m / M5	GM 4 500.10-2	2	05	0.22 / 0.9	60	360	○	HF 6	○	EF 14	○
630	0.8 / 3	1Am / M4	GM 2 630.3-2	2	05	0.09 / 0.35	60	360	○	HF 14	○	EF 14	○
630	2 / 8	1Am / M4	GM 4 630.8-1	1	025	0.22 / 0.9	60	360	○	HF 14	○	EF 14	○
630	1 / 4	4m / M7	GM 4 630.4-2	2	05	0.22 / 0.9	60	360	○	HF 14	○	EF 14	○
630	1.3 / 5	4m / M7	GM 4 630.5-2	2	05	0.22 / 0.9	60	360	○	HF 14	○	EF 14	○
630	1.5 / 6	3m / M6	GM 4 630.6-2	2	05	0.22 / 0.9	60	360	○	HF 14	○	EF 14	○
630	2 / 8	2m / M5	GM 4 630.8-2	2	05	0.22 / 0.9	60	360	○	HF 14	○	EF 14	○
800	1 / 4	3m / M6	GM 4 800.4-2	2	05	0.22 / 0.9	60	360	○	HF 14	○	EF 14	○
800	1.3 / 5	3m / M6	GM 4 800.5-2	2	05	0.22 / 0.9	60	360	○	HF 14	○	EF 14	○
800	1.5 / 6	2m / M5	GM 4 800.6-2	2	05	0.22 / 0.9	60	360	○	HF 14	○	EF 14	○
800	1.3 / 8	3m / M6	GM 8 800.8-1	1	05	0.2 / 1.3	50	300	○	HF 22	○	EF 22	○
800	1.7 / 10	3m / M6	GM 8 800.10-1	1	05	0.3 / 1.6	50	300	○	HF 22	○	EF 22	○
800	2 / 12	3m / M6	GM 8 800.12-1	1	05	0.33 / 2	50	300	○	HF 22	○	EF 22	○
800	2.7 / 16	3m / M6	GM 8 800.16-1	1	05	0.4 / 2.5	50	300	○	HF 22	○	EF 22	○
800	3.3 / 20	2m / M5	GM 8 800.20-1	1	05	0.5 / 3	40	240	○	HF 22	○	EF 22	○
1000	1 / 4	2m / M5	GM 4 1000.4-2	2	05	0.22 / 0.9	60	360	○	HF 14	○	EF 14	○
1000	1.3 / 5	2m / M5	GM 4 1000.5-2	2	05	0.22 / 0.9	60	360	○	HF 14	○	EF 14	○
1000	1.3 / 8	3m / M6	GM 8 1000.8-1	1	05	0.3 / 1.6	50	300	○	HF 22	○	EF 22	○
1000	1.7 / 10	3m / M6	GM 8 1000.10-1	1	05	0.33 / 2	50	300	○	HF 22	○	EF 22	○
1000	2 / 12	3m / M6	GM 8 1000.12-1	1	05	0.4 / 2.5	50	300	○	HF 22	○	EF 22	○
1000	2.7 / 16	2m / M5	GM 8 1000.16-1	1	05	0.5 / 3	40	240	○	HF 22	○	EF 22	○
1250	1 / 4	1Am / M4	GM 4 1250.4-2	2	05	0.22 / 0.9	60	360	○	HF 14	○	EF 14	○
1250	1.3 / 8	3m / M6	GM 8 1250.8-1	1	05	0.33 / 2	50	300	○	HF 22	○	EF 22	○
1250	1.7 / 10	2m / M5	GM 8 1250.10-1	1	05	0.4 / 2.5	40	240	○	HF 22	○	EF 22	○
1250	2 / 12	2m / M5	GM 8 1250.12-1	1	05	0.5 / 3	40	240	○	HF 22	○	EF 22	○
1600	1.3 / 8	2m / M5	GM 8 1600.8-1	1	05	0.4 / 2.5	40	240	○	HF 22	○	EF 22	○
1600	1.7 / 10	1Am / M4	GM 8 1600.10-1	1	05	0.5 / 3	40	240	○	HF 22	○	EF 22	○
1600	0.7 / 4	3m / M6	GM 8 1600.4-2	2	1.0	0.2 / 1.3	50	300	○	HF 22	○	EF 22	○
1600	0.8 / 5	3m / M6	GM 8 1600.5-2	2	1.0	0.3 / 1.6	50	300	○	HF 22	○	EF 22	○
1600	1 / 6	3m / M6	GM 8 1600.6-2	2	1.0	0.33 / 2	50	300	○	HF 22	○	EF 22	○
1600	1.3 / 8	3m / M6	GM 8 1600.8-2	2	1.0	0.4 / 2.5	50	300	○	HF 22	○	EF 22	○
1600	1.7 / 10	2m / M5	GM 8 1600.10-2	2	1.0	0.5 / 3	40	240	○	HF 22	○	EF 22	○
2000	1.3 / 8	1Am / M4	GM 8 2000.8-1	1	05	0.5 / 3	40	240	○	HF 22	○	EF 22	○
2000	0.7 / 4	3m / M6	GM 8 2000.4-2	2	1.0	0.3 / 1.6	50	300	○	HF 22	○	EF 22	○
2000	0.8 / 5	3m / M6	GM 8 2000.5-2	2	1.0	0.33 / 2	50	300	○	HF 22	○	EF 22	○
2000	1 / 6	3m / M6	GM 8 2000.6-2	2	1.0	0.4 / 2.5	50	300	○	HF 22	○	EF 22	○
2000	1.3 / 8	2m / M5	GM 8 2000.8-2	2	1.0	0.5 / 3	40	240	○	HF 22	○	EF 22	○
2500	0.7 / 4	3m / M6	GM 8 2500.4-2	2	1.0	0.33 / 2	50	300	○	HF 36	○	EF 36	○
2500	0.8 / 5	2m / M5	GM 8 2500.5-2	2	1.0	0.4 / 2.5	40	240	○	HF 36	○	EF 36	○
2500	1 / 6	2m / M5	GM 8 2500.6-2	2	1.0	0.5 / 3	40	240	○	HF 36	○	EF 36	○
3200	0.7 / 4	2m / M5	GM 8 3200.4-2	2	1.0	0.4 / 2.5	40	240	○	HF 36	○	EF 36	○
3200	0.8 / 5	1Am / M4	GM 8 3200.5-2	2	1.0	0.5 / 3	40	240	○	HF 36	○	EF 36	○
4000	0.7 / 4	1Am / M4	GM 8 4000.4-2	2	1.0	0.5 / 3	40	240	○	-	-	EF 50	○

¹⁾ Duty cycle, %

²⁾ For prices for trolley current collectors, see page 17

Additional charges for longer hook paths/control cables

Model	No. of falls	Additional charge per metre of chain	Additional charge per metre of control cable
GM2	1	0	0
	2	0	
GM4	1	0	0
	2	0	
GM8	1	0	0
	2	0	

Model	No. of falls	Hook path mm	Chain container size	Add. charge for chain, incl. chain container	Add. charge for control cable
GM 2	1	3000	1	0	0
GM 2	1	4000	1	0	0
GM 2	1	5000	3	0	0
GM 2	1	6000	3	0	0
GM 2	1	8000	3	0	0
GM 2	1	10000	3	0	0
GM 2	1	12000	3	0	0
GM 2	1	16000	4	0	0
GM 2	1	20000	4	0	0
GM 2	1	24000	4	0	0
GM 2	1	32000	6	0	0
GM 2	2	3000	3	0	0
GM 2	2	4000	3	0	0
GM 2	2	5000	3	0	0
GM 2	2	6000	3	0	0
GM 2	2	8000	4	0	0
GM 2	2	10000	4	0	0
GM 2	2	12000	4	0	0
GM 2	2	16000	6	0	0
GM 4	1	3000	3	0	0
GM 4	1	4000	3	0	0
GM 4	1	5000	4	0	0
GM 4	1	6000	4	0	0
GM 4	1	8000	4	0	0
GM 4	1	10000	4	0	0
GM 4	1	12000	6	0	0
GM 4	1	16000	6	0	0
GM 4	1	20000	6	0	0
GM 4	1	24000	6	0	0
GM 4	1	32000	8	0	0
GM 4	2	3000	4	0	0
GM 4	2	4000	4	0	0
GM 4	2	5000	4	0	0
GM 4	2	6000	6	0	0
GM 4	2	8000	6	0	0
GM 4	2	10000	6	0	0
GM 4	2	12000	6	0	0
GM 4	2	16000	8	0	0
GM 8	1	3000	8	0	0
GM 8	1	4000	8	0	0
GM 8	1	5000	8	0	0
GM 8	1	6000	8	0	0
GM 8	1	8000	8	0	0
GM 8	1	10000	8	0	0
GM 8	1	12000	8	0	0
GM 8	1	16000	8	0	0
GM 8	1	20000	8	0	0
GM 8	2	3000	8	0	0
GM 8	2	4000	8	0	0
GM 8	2	5000	8	0	0
GM 8	2	6000	8	0	0
GM 8	2	8000	8	0	0
GM 8	2	10000	8	0	0

Additional charges for optional extras

The additional charges shown below for optional extras are based on the prices for standard hoists:

stationary type, pendant control for lifting/lowering, control from trolley,
operating voltage 3~380-415 V/50 Hz

GM2, GM4: direct control

GM8: 48 V contactor-type control

The additional charges are **complete prices** for the optional extras concerned, including any extensions which may be required to electrical systems, pendant controls and control lines.

Further information on the optional extras is given from page 8 onwards.

Optional extra	Electric movements H/S Lifting/lowering H/S/KF Lifting/lowering/ trolley travel	Price on request			Notes on scope of supply
		GM2	GM4	GM8	
Operating hours meter		O	O	O	
Additional outlet for ancillary equipment, 3 ph/N/PE	H/S	O	O	-	
Control extension for electric trolley	H/S/KF	O	O	O	Pendant control with additional buttons, trolley motor cable, electrical system
48 V contactor-type control system	H/S	O	O	standard	
	H/S/KF	O	O	O	GM2 with additional housing on hoist
Limit switch, electronic, 2 shut-down points	H/S	O incl. contactor-type control system	O incl. contactor-type control system	O	Pendant control with teach-in button. Alternative: teach-in connector
	H/S/KF	O incl. contactor-type control system	O incl. contactor-type control system	O	
Limit switch, electronic, 4 shut-down points	H/S	O incl. contactor-type control system	O incl. contactor-type control system	O	H/S/KF for GM2, GM4 with additional housing on hoist
	H/S/KF	O incl. contactor-type control system	O incl. contactor-type control system	O	
ABUliner frequency converter	H/S	O	O	-	With additional housing on hoist
	H/S/KF	O	O	-	
Mini-RC radio remote control	H/S	O incl. contactor-type control system	O incl. contactor-type control system	O	
	H/S/KF	O incl. contactor-type control system	O incl. contactor-type control system	O	Incl. trolley travel limit switch, GM2 with additional housing
Cross-type limit switch for electric hoists		O	O	O	
Special voltages	H/S H/S/KF	O	O	O	
Price reductions					
No pendant control, no control cable	H/S H/S/KF	O	O	O	
External control	H/S H/S/KF	O	O	O	No pendant control, no control cable

Prices for ABUCompact GMC electric chain hoists (operating voltage 230 V, 50 Hz, 1-phase)

¹⁾ Duty cycle, %

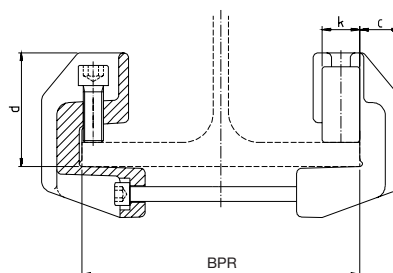
Load capacity kg	Lifting speed m/min	FEM/ISO group	Model	No. of falls	Hook path m	Hook	Motor			Stationary	With push trolley ²⁾	
							kW	%ED ¹⁾	c/h		Model	
100	0.7 / 12	1Am / M4	GMC 100.12-1	1	3	012	0.43	40	240	O	HF 3	O
					6							O
					10							O
					20							O
200	0.3 / 6	1Am / M4	GMC 200.6-2	2	3	025	0.43	40	240	O	HF 3	O
					6							O
					10							O

²⁾ For prices for trolley current collectors, see page 17

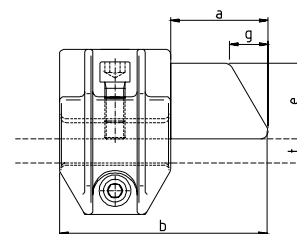
Prices for ABUS clamping buffers



Selection table for shaped clamping buffers								
Type Size	Dimensions, mm							Weight kg
	Rubber							
	b	c	d	a	e	g	k	
alpha	110	20	63	45	40	15	26	2,6
beta	170	32	90	80	60	35	30	5,9

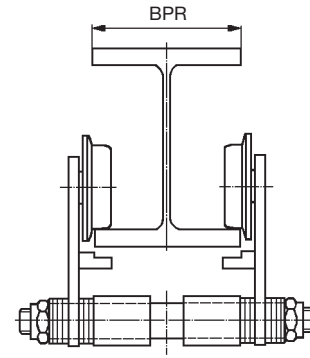


Type Size	Beam		For use with ABUS electric chain hoists	Order no.	Price per pair	
	BPR mm	t mm			1 pair	from 20 pairs
alpha	64 – 120	≤ 20,5	ABUCompact GMC to GM8, up to 2.0 t load capacity	37329	O	O
	121 – 190	≤ 20,5		37434	O	O
	191 – 243	≤ 20,5		37435	O	O
	244 – 300	≤ 20,5		37443	O	O
beta	110 – 160	≤ 30,0	ABUCompact GM8 from 2.5 t to 4 t load capacity	37444	O	O
	161 – 230	≤ 30,0		37445	O	O
	231 – 283	≤ 30,0		37446	O	O
	284 – 340	≤ 30,0		37447	O	O



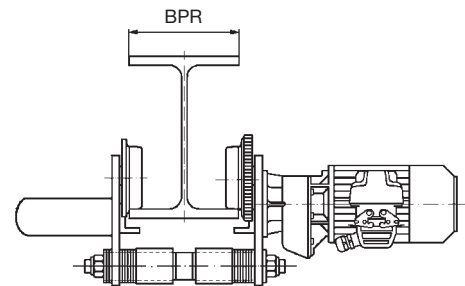
Prices for ABUS HF push trolleys

Model	Flange width BPR mm	Load capacity kg	Price
HF 3	42 - 120 121 - 180	300	0
HF 6	42 - 120 121 - 220	580	0
HF 14	64 - 125 126 - 200 201 - 300	1400	0
HF 22	82 - 150 151 - 200 201 - 300	2200	0
HF 36	90 - 155 156 - 200 201 - 300	3600	0



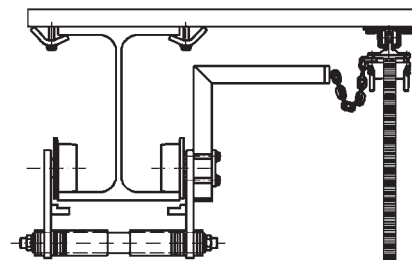
Prices for ABUS EF electric trolleys

Model	Flange width BPR mm	Load capacity kg	Travel speed m/min	Rating kW	Duty cycle % ED	Price
EF 14	64 - 125 126 - 200 201 - 300	1400	5/20	0.06/0.25	40	0
EF 22	82 - 150 151 - 200 201 - 300	2200	5/20	0.06/0.25	40	0
EF 36	90 - 155 156 - 200 201 - 300	3600	5/20	0.06/0.25	40	0
EF 50	98 - 190 201 - 300	5000	5/20	0.09/0.37	40	0



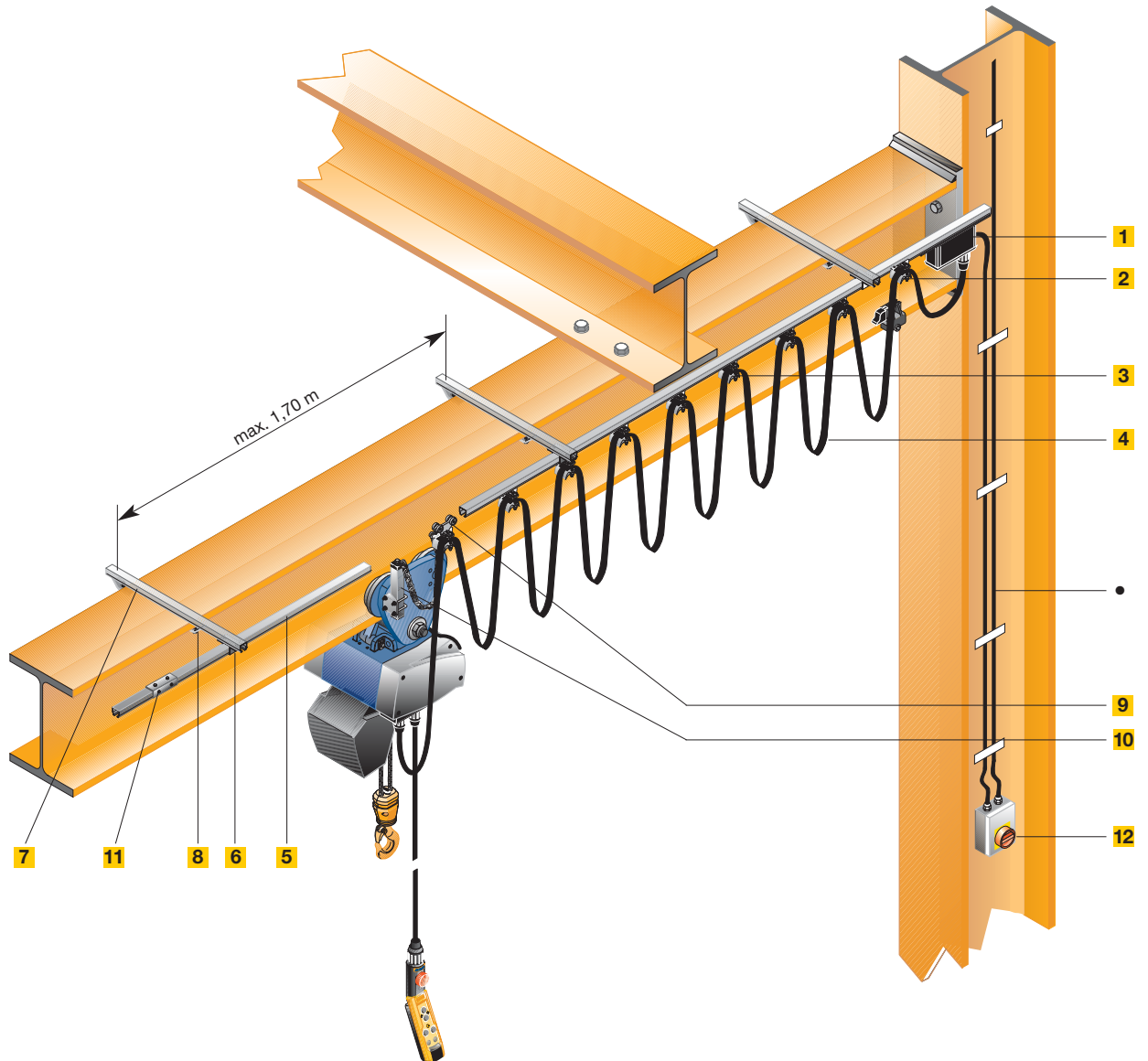
Prices for trolley current collectors

Weight kg	Order no.	Price each
3,54	11898	0



* for track lengths up to 30 m

Prices for ABUS festoon power supply system*



■ Standard equipment

1 Transitional terminal box (flat/round cable)

2 End clamp

3 Flat cable carrier

4 Flat cable

5 Rail

6 Rail support

7 Mounting console

8 Clamping brackets

9 Current collector carrier

10 Trolley current collector

11 Rail connector

12 Mains switch

Lump-sum price for fixed components

Transitional terminal box, end clamp, current collector carrier, mains switch, trolley current collector

Price in EUR

○

Price for length-dependent components

Flat cable carriers, flat cable, rails, rail supports, rail connectors, mounting consoles, clamping brackets

Price in EUR/m

○

- The riser cable from the mains switch and cabling from the mains switch to the terminal box, including accessories, are not included in the scope of supply.

The voltage drop must be taken into consideration for the design of the festoon system.

The festoon system is prefabricated, i.e. supplied with the flat cable on the cable carriers, current collector carrier and end clamp.

Prices for ABUS power supply system with mobile control*

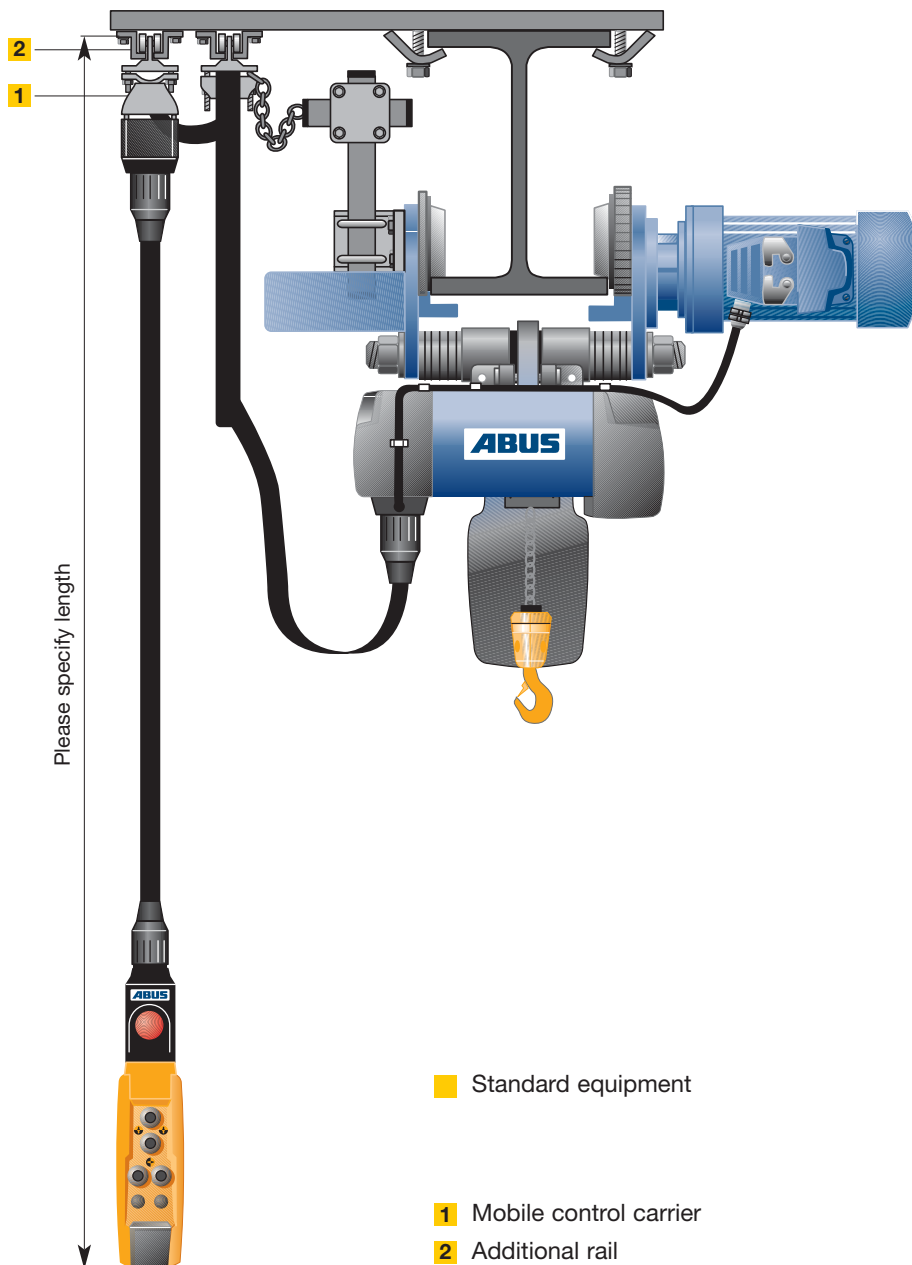
* for track lengths up to 30 m

In the standard version, the pendant control is attached directly to the hoist by a quick plug-type connector.

Alternative:

With this alternative, the pendant control can be moved along the trolley track independently from the hoist.

The additional components required include rail, flat cable, cable carrier and control carrier with connector. The basic design is the same as for the festoon cable system. A mobile control carrier cannot be combined with a protected conductor system.



Lump-sum price for fixed components

Fixed components as for festoon system on page 18, plus: end clamp, mobile control carrier, bolted joints, end stop

Price in EUR

0

Price for length-dependent components

Length-dependent components as for festoon system on page 18, plus: additional cable carriers, flat cable, rail supports, rail connectors for mobile control carrier

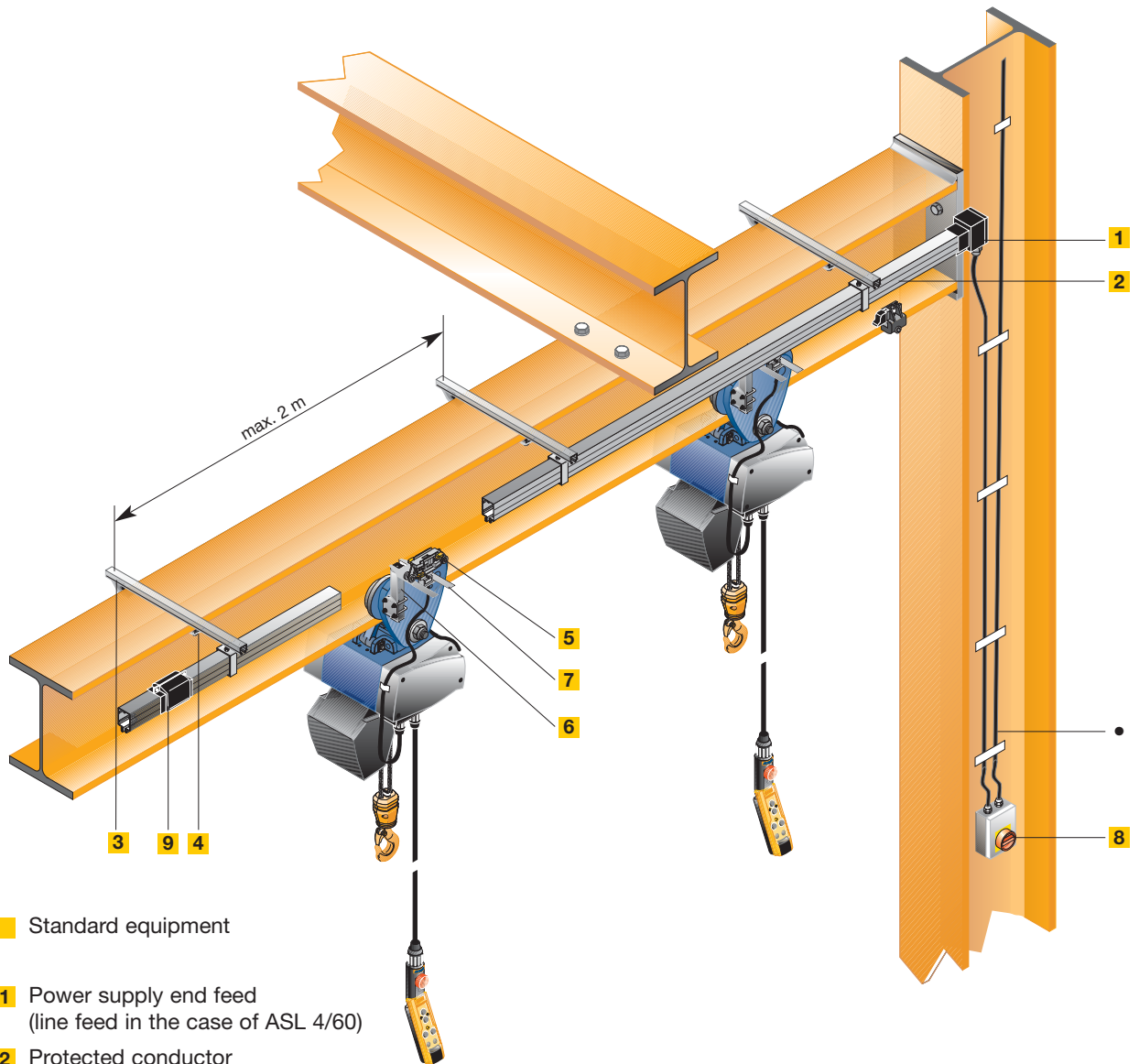
Price in EUR/m

0

The voltage drop must be taken into consideration for the design of the system.

The system is prefabricated, i.e. supplied with the flat cable on the cable carriers, current collector carrier and end clamp.

Prices for ABUS protected conductor system



Standard equipment

- 1** Power supply end feed (line feed in the case of ASL 4/60)
- 2** Protected conductor
- 3** Mounting console
- 4** Clamping brackets
- 5** Current collector carrier
- 6** Trolley current collector (part of scope of supply for hoist)
- 7** Collector fork
- 8** Mains switch
- 9** Protected conductor and housing connector

Lump-sum price for fixed components

End cap, power supply end feed or line feed, anchor mounts, reinforcement clamps, current collector carrier with 4 m connecting cable, collector fork, mains switch

Type	Price
ASL 4/40 ¹⁾	0
ASL 4/60 ¹⁾	0

Price for length-dependent components

Protected conductor, sliding mounts, mounting consoles, clamping brackets

Type	Price
ASL 4/40	0
ASL 4/60	0

Power supply from the centre of the conductor is required if the track length is above 30 m.

- The riser cable from the mains switch and cabling to the power supply point, including accessories, are not included in the scope of supply.

The voltage drop corresponding to the track length must be taken into consideration for the design of the protected conductor system.

¹⁾ With power supply end feed: additional price for power supply line feed: 0

Weights and dimensions

(fold-out dimensioned sketches on pages 3 and 30)

Dimensions, ABUCompact GM2 to GM8

Model	Width			Length				Height		Suspension bracket			
	B mm	B3 mm	B4 mm	L mm	L1 mm	L2 mm	L3 mm	H mm	H1 mm	D1 mm	H2 mm	T mm	B5 mm
GM2	346	175	171	313	181	132	103	194	129	42	65	21	24
GM2 ¹⁾	346	175	171	352	220	132	103	194	129	42	65	21	24
GM4	400	217	183	353	197	156	120	227	158	42	69	21	24
GM4 ¹⁾	400	217	183	390	234	156	120	227	158	42	69	21	24
GM8	542	306	236	472	254	218	198	340	235	65	105	28	28
GM8 ²⁾	542	306	236	472	254	218	198	370	235	75	135	33	28
GM8	542	306	236	567	349	218	198	340	235	65	105	28	28
GM8 ²⁾	542	306	236	567	349	218	198	370	235	75	135	33	28

¹⁾ with additional housing

²⁾ with EF 50 for load capacity 4000 kg

Dimensions, ABUCompact GM2 to GM8, stationary and with trolley

Model	No. of falls	Hook	Trolley	C mm	C1 mm	D1 mm	D2 mm	A2 mm
GM2	1	012	HF 3	344	390	42	30	22
GM2	1	012	HF 6	344	397	42	30	22
GM2	1	012	HF 14	344	412	42	30	22
GM2	1	012	EF 14	344	412	42	30	22
GM2	1	025	HF 6	358	411	42	36	26
GM2	1	025	HF 14	358	426	42	36	26
GM2	1	025	EF 14	358	426	42	36	26
GM2	2	05	HF 3	425	471	42	43	34
GM2	2	05	HF 6	425	478	42	43	34
GM2	2	05	HF 14	425	493	42	43	34
GM2	2	05	EF 14	425	493	42	43	34
GM4	1	025	HF 3	380	426	42	36	26
GM4	1	025	HF 6	380	433	42	36	26
GM4	1	025	HF 14	380	448	42	36	26
GM4	1	025	EF 14	380	448	42	36	26
GM4	2	05	HF 6	460	513	42	43	34
GM4	2	05	HF 14	460	528	42	43	34
GM4	2	05	EF 14	460	528	42	43	34
GM8	1	05	HF 22	553	632	65	43	34
GM8	1	05	EF 22	553	632	65	43	34
GM8	2	1.0	HF 22	674	753	65	50	40
GM8	2	1.0	HF 36	674	758	65	50	40
GM8	2	1.0	EF 22	674	753	65	50	40
GM8	2	1.0	EF 36	674	758	65	50	40
GM8	2	1.0	EF 50	704	789	75	50	40

Weights and dimensions dependant on hook path, ABUCompact GM2 to GM8

Model	No. of falls	Hook path	D1 mm	H2 mm	C2 mm	Weight kg
GM 2	1	3000	42	65	357	21,8
GM 2	1	4000	42	65	357	22,2
GM 2	1	5000	42	65	394	22,5
GM 2	1	6000	42	65	394	22,8
GM 2	1	8000	42	65	394	23,5
GM 2	1	10000	42	65	394	24,2
GM 2	1	12000	42	65	394	24,9
GM 2	1	16000	42	65	494	26,2
GM 2	1	20000	42	65	494	27,6
GM 2	1	24000	42	65	494	29,0
GM 2	1	32000	42	65	671	31,7
GM 2	2	3000	42	65	394	24,4
GM 2	2	4000	42	65	394	25,1
GM 2	2	5000	42	65	394	25,8
GM 2	2	6000	42	65	394	26,5
GM 2	2	8000	42	65	494	27,8
GM 2	2	10000	42	65	494	29,2
GM 2	2	12000	42	65	494	30,6
GM 2	2	16000	42	65	671	33,3

(fold-out dimensioned sketches on pages 3 and 30)

Weights and dimensions dependant on hook path, ABUCompact GM2 to GM8

Model	No. of falls	Hook path	D1 mm	H2 mm	C2 mm	Weight kg
GM 4	1	3000	42	69	417	34,5
GM 4	1	4000	42	69	417	35,1
GM 4	1	5000	42	69	517	35,8
GM 4	1	6000	42	69	517	36,4
GM 4	1	8000	42	69	517	37,7
GM 4	1	10000	42	69	517	39,0
GM 4	1	12000	42	69	629	40,3
GM 4	1	16000	42	69	629	42,9
GM 4	1	20000	42	69	629	45,5
GM 4	1	24000	42	69	629	48,1
GM 4	1	32000	42	69	683	53,3
GM 4	2	3000	42	69	517	38,0
GM 4	2	4000	42	69	517	39,3
GM 4	2	5000	42	69	517	40,6
GM 4	2	6000	42	69	629	41,9
GM 4	2	8000	42	69	629	44,5
GM 4	2	10000	42	69	629	47,1
GM 4	2	12000	42	69	629	49,7
GM 4	2	16000	42	69	683	54,9
GM 8	1	3000	65	105	816	92,3
GM 8 ¹⁾	1	3000	75	135	846	92,3
GM 8	1	4000	65	105	816	94,5
GM 8 ¹⁾	1	4000	75	135	846	94,5
GM 8	1	5000	65	105	816	96,8
GM 8 ¹⁾	1	5000	75	135	846	96,8
GM 8	1	6000	65	105	816	99,1
GM 8 ¹⁾	1	6000	75	135	846	99,1
GM 8	1	8000	65	105	816	103,6
GM 8 ¹⁾	1	8000	75	135	846	103,6
GM 8	1	10000	65	105	816	108,2
GM 8 ¹⁾	1	10000	75	135	846	108,2
GM 8	1	12000	65	105	816	112,7
GM 8 ¹⁾	1	12000	75	135	846	112,7
GM 8	1	16000	65	105	816	121,8
GM 8 ¹⁾	1	16000	75	135	846	121,8
GM 8	1	20000	65	105	816	130,9
GM 8 ¹⁾	1	20000	75	135	846	130,9
GM 8	2	3000	65	105	816	101,1
GM 8 ¹⁾	2	3000	75	135	846	101,1
GM 8	2	4000	65	105	816	105,6
GM 8 ¹⁾	2	4000	75	135	846	105,6
GM 8	2	5000	65	105	816	110,2
GM 8 ¹⁾	2	5000	75	135	846	110,2
GM 8	2	6000	65	105	816	114,7
GM 8 ¹⁾	2	6000	75	135	846	114,7
GM 8	2	8000	65	105	816	123,8
GM 8 ¹⁾	2	8000	75	135	846	123,8
GM 8	2	10000	65	105	816	132,9
GM 8 ¹⁾	2	10000	75	135	846	132,9

¹⁾ with EF 50 for load capacity 4000 kg

Dimensions, ABUCompact GMC

Model	Width			Length				Height		Suspension bracket			
	B mm	B3 mm	B4 mm	L mm	L1 mm	L2 mm	L3 mm	H mm	H1 mm	D1 mm	H2 mm	T mm	B5 mm
GMC	275	115	160	275	125	150	0	177	130	24	47	8	18

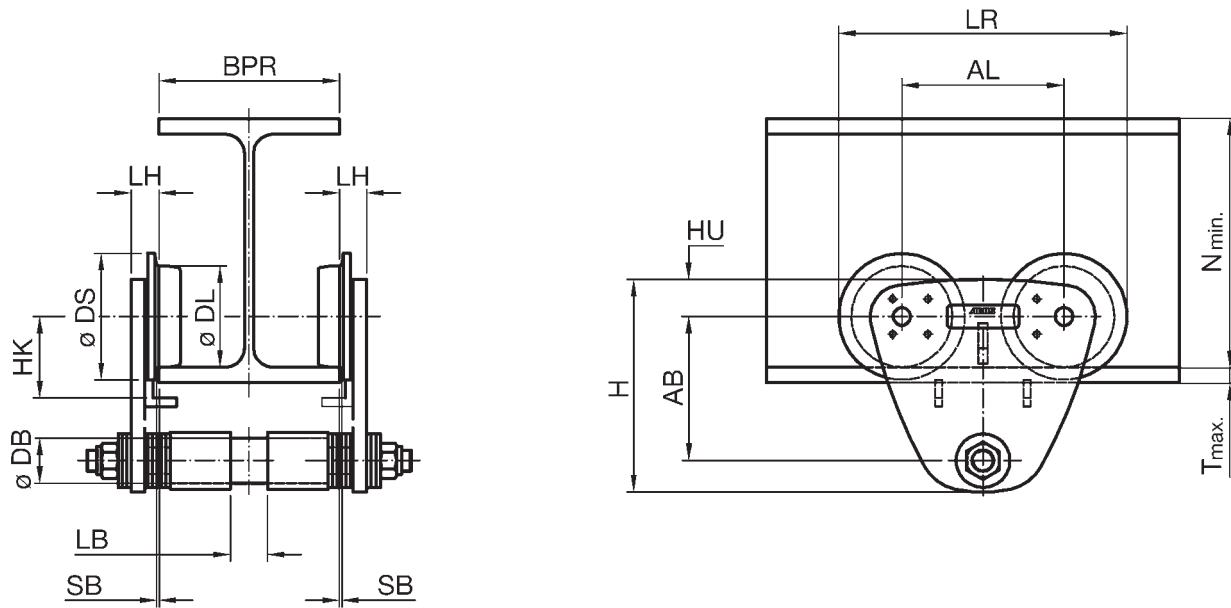
Dimensions, ABUCompact GMC, stationary and with trolley

Model	No. of falls	Hook	Trolley	C mm	C1 mm	D1 mm	D2 mm	A2 mm
GMC	1	012	HF 3	310	356	24	30	22
GMC	2	025	HF 3	355	401	24	36	26

Weights and dimensions dependant on hook path, ABUCompact GMC

Model	No. of falls	Hook path	D1 mm	C2 mm	Weight kg
GMC	1	3000	24	340	10,1
GMC	1	6000	24	340	10,7
GMC	1	10000	24	340	11,5
GMC	1	20000	24	375	13,6
GMC	2	3000	24	340	11,2
GMC	2	6000	24	340	12,5
GMC	2	10000	24	375	14,1

Weights and dimensions, ABUS HF push trolleys

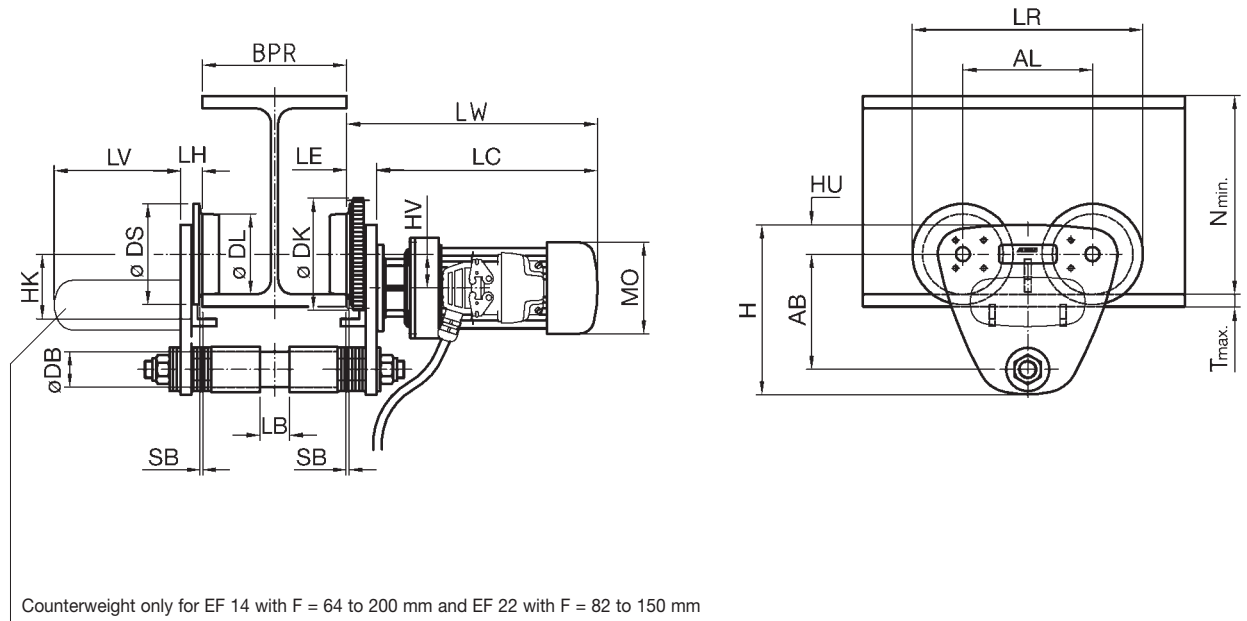


Dimension table, ABUS HF push trolleys

Model	Flange width BPR mm	Load capacity kg	Dimensions mm														Minimum bend radius mm	Weight kg
			AL	AB	DL	DS	DB	H	HK	HU	LB	LR	LH	SB (max.)	N (min.)	T (max.)		
HF 3	42 - 70 71 - 85 86 - 120	300	90	85	56	75	22	135	47	28	20	165	17	2	110	20	600 700 1000	4,1
HF 3	121 - 180	300	90	85	56	75	22	135	47	28	20	165	17	2	110	20	1200	4,5
HF 6	42 - 70 71 - 85 86 - 120	580	120	100	65	85	30	153	55	32	24	205	19	2	120	20	700 800 1100	6,0
HF 6	121 - 180 181 - 220	580	120	100	65	85	30	153	55	32	24	205	19	2	120	20	1300 1600	6,7
HF 14	64 - 90 91 - 125	1400	150	125	80	100	34	193	70	41	33	250	22	2	130	20	1100 1500	11,0
HF 14	126 - 140 141 - 200	1400	150	125	80	100	34	193	70	41	33	250	22	2	130	20	1700 2100	11,9
HF 14	201 - 300	1400	150	125	80	100	34	193	70	41	33	250	22	2	130	20	2250	12,9
HF 22	82 - 125 126 - 140	2200	180	160	112	140	50	236	90	41	41	320	28	2	160	21,5	1700 2100	23,8
HF 22	141 - 200	2200	180	160	112	140	50	236	90	41	41	320	28	2	160	21,5	2200	24,8
HF 22	201 - 300	2200	180	160	112	140	50	236	90	41	41	320	28	2	160	21,5	2300	26,9
HF 36	90 - 125 126 - 140	3600	180	170	112	140	60	253	90	41	49	320	33	2	160	21,5	1700 2100	28,6
HF 36	141 - 200	3600	180	170	112	140	60	253	90	41	49	320	33	2	160	21,5	2200	29,9
HF 36	201 - 300	3600	180	170	112	140	60	253	90	41	49	320	33	2	160	21,5	2300	32,2

Weights and dimensions, ABUS EF electric trolleys

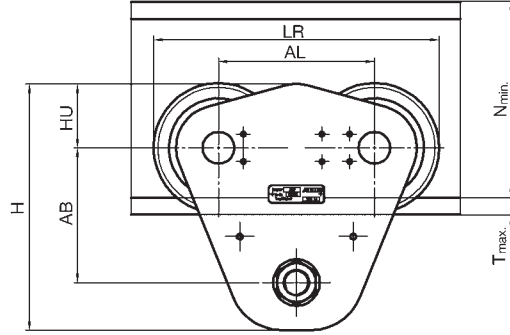
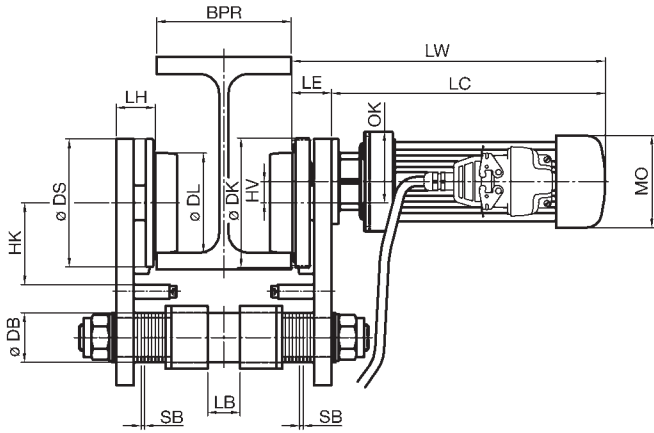
ABUS EF 14-36 electric trolleys



Dimension table, ABUS EF push trolleys

Model	Flange width BPR mm	Load capacity kg	Travel speed m/min	Rating kW	Duty cycle % ED	Dimensions mm					
						AL	AB	DL	DS	DK	DB
EF 14	64 - 90 91 - 125	1400	5/20	0.06/0.25	40	150	125	80	100	115	34
EF 14	126 - 140 141 - 200	1400	5/20	0.06/0.25	40	150	125	80	100	115	34
EF 14	201 - 300	1400	5/20	0.06/0.25	40	150	125	80	100	115	34
EF 22	82 - 125 126 - 140	2200	5/20	0.06/0.25	40	180	160	112	140	155	50
EF 22	141 - 200	2200	5/20	0.06/0.25	40	180	160	112	140	155	50
EF 22	201 - 300	2200	5/20	0.06/0.25	40	180	160	112	140	155	50
EF 36	90 - 125 126 - 140	3600	5/20	0.06/0.25	40	180	170	112	140	155	60
EF 36	141 - 200	3600	5/20	0.06/0.25	40	180	170	112	140	155	60
EF 36	201 - 300	3600	5/20	0.06/0.25	40	180	170	112	140	155	60
EF 50	98 - 125 126 - 200	5000	5/20	0.09/0.37	40	220	190	140	180	183	70
EF 50	201 - 300	5000	5/20	0.09/0.37	40	220	190	140	180	183	70

ABUS EF 50 electric trolleys



	Dimensions mm																Minimum bend radius mm	Weight kg
	H	HK	HV	HU	LB	LR	LH	LV	SB (max.)	LE	LW	LC	MO	OK	N (min.)	T (max.)		
	193	70	31.5	41	33	265	22	175	2	34	373	339	124	-	130	20	1100 1500	31,2
	193	70	31.5	41	33	265	22	175	2	34	373	339	124	-	130	20	1700 2100	32,2
	193	70	31.5	41	33	265	22	0	2	34	373	339	124	-	130	20	2250	32,9
	236	90	47	41	41	335	28	175	2	39	377	338	124	-	160	21,5	1700 2100	32,4
	236	90	47	41	41	335	28	0	2	39	377	338	124	-	160	21,5	2200	33,4
	236	90	47	41	41	335	28	0	2	39	377	338	124	-	160	21,5	2300	35,5
	253	90	47	41	49	335	33	0	2	44	383	339	124	-	160	21,5	1700 2100	36,5
	253	90	47	41	49	335	33	0	2	44	383	339	124	-	160	21,5	2200	37,7
	253	90	47	41	49	335	33	0	2	44	383	339	124	-	160	21,5	2300	40,0
	348	115	30	90	50	403	54	0	2	54	477	423	158	100	190	40	1800 2000	71,1
	348	115	30	90	50	403	54	0	2	54	477	423	158	100	190	40	2200	76,1

The first step towards your ABUCompact

Just copy the form, fill in your details and fax it to us. We will send you an initial quotation as soon as possible.

Company: _____

Name: _____ Phone: _____

Address: _____ Fax: _____

Details of the hoist you need:

Quantity: _____ Load capacity: _____ kg Hook path: _____ m

Quantity: _____ Load capacity: _____ kg Hook path: _____ m

What lifting speeds do you need?

- high lifting speeds because of long hook path and frequent use
- precise lifting and lowering more important than speed
- please provide advice

What operating voltage is available?

- 3 x 400 V / 50 Hz
- _____ V / _____ Hz

Do you need to move the load along a girder?

- no (stationary use)
- yes, with push trolley (push-pull operation)
- yes, with electric trolley (electric operation)

If so, is a trolley track girder available?

- yes length: _____ mm
height: _____ mm
flange width BPR: _____ mm
type of profile: _____
- no

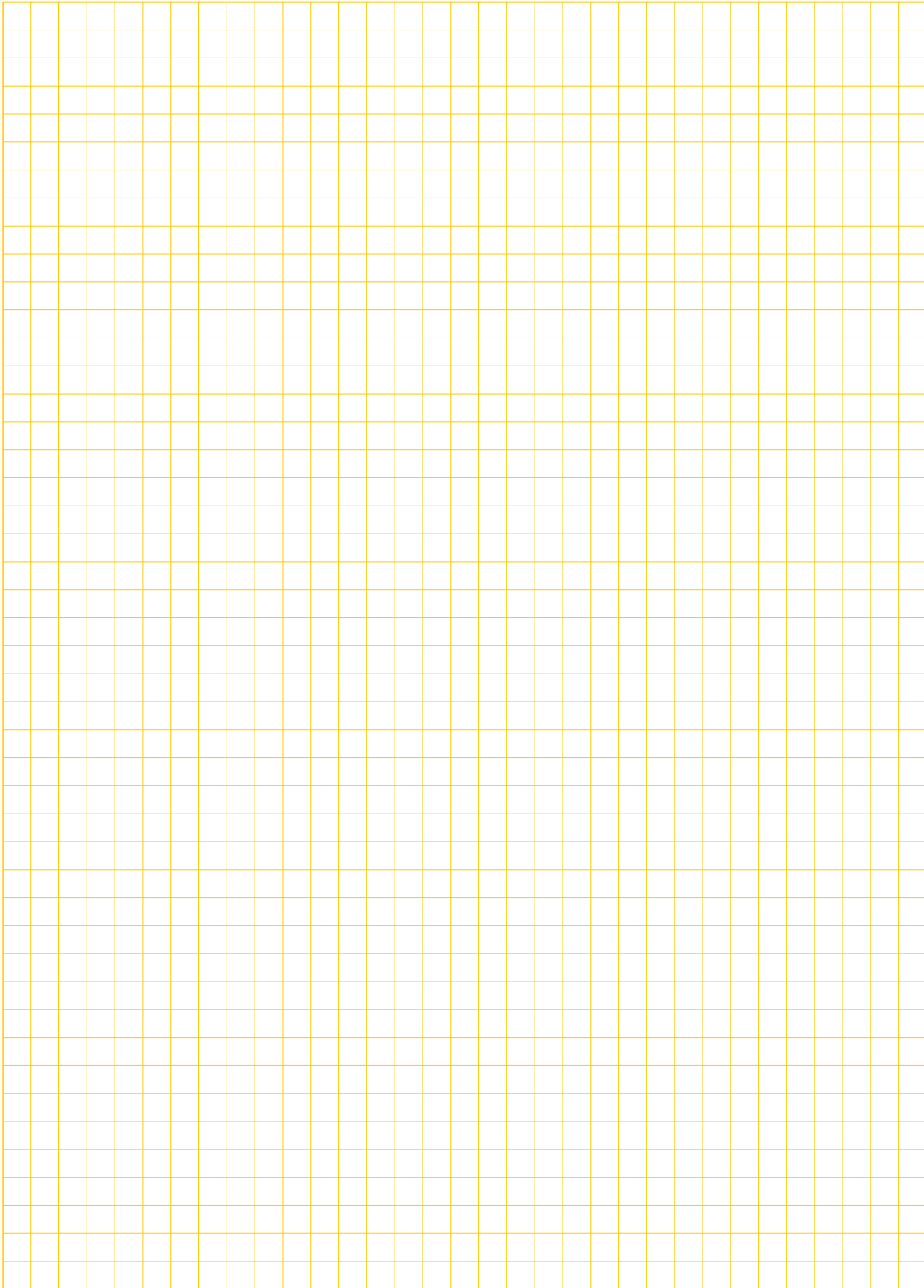
Is a power supply system required?

- no
- yes, I am interested in
 - a festoon system (max. travel 30 m)
 - a protected conductor (for longer travel or more than one hoist on one girder)
 - please provide advice

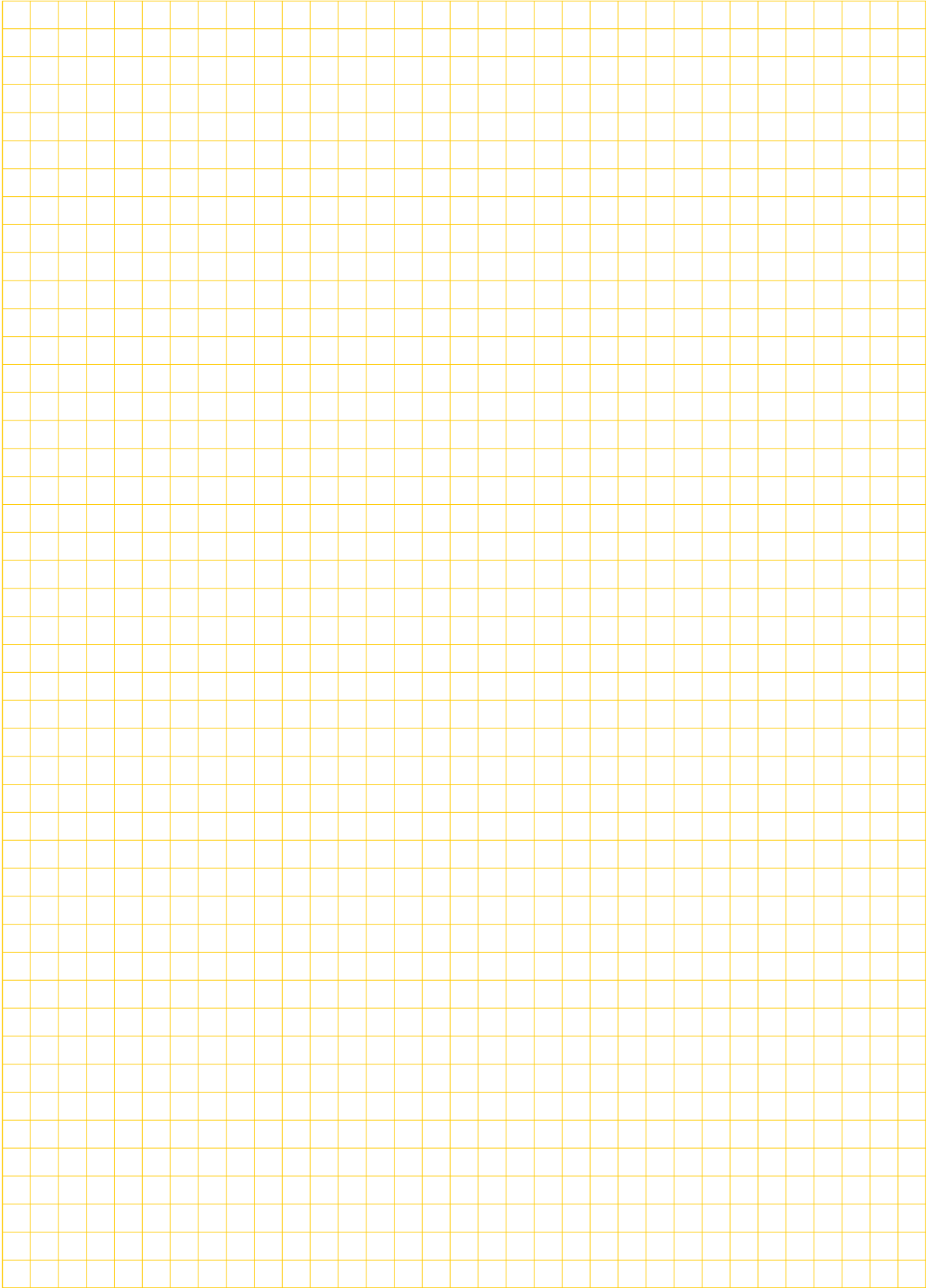
If you prefer a festoon system, do you need a mobile control carrier?

- yes
- no
- please provide advice

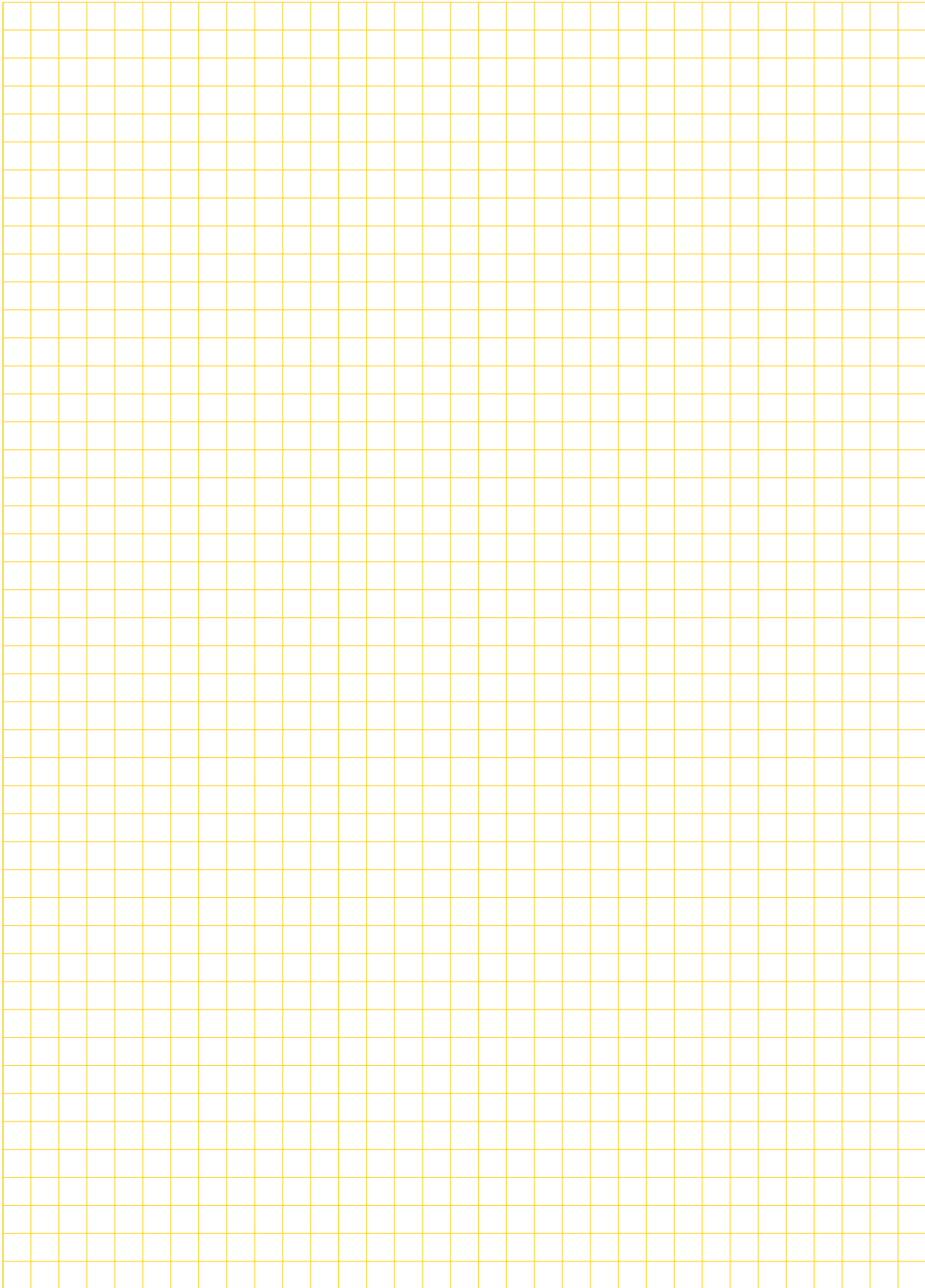
Notes



Notes



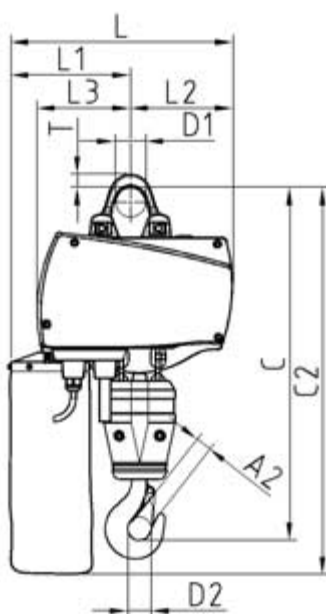
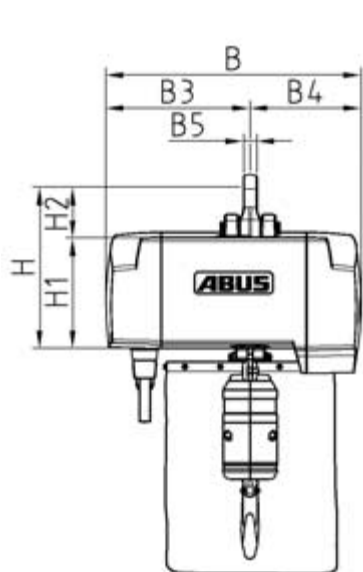
Notes



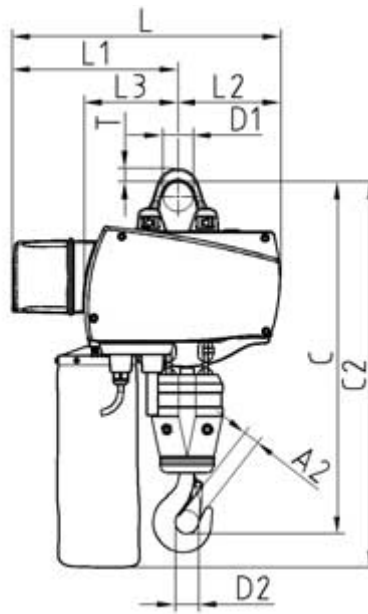
Dimensioned sketches of chain hoists

ABUCompact GM8

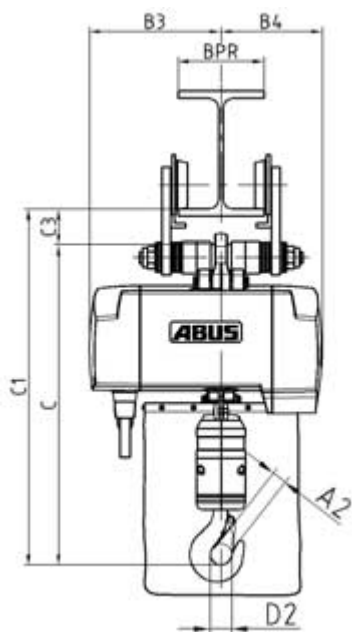
stationary



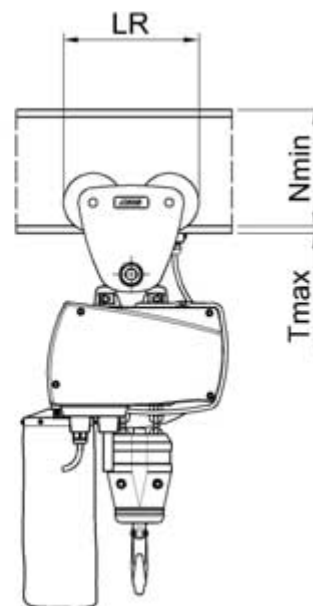
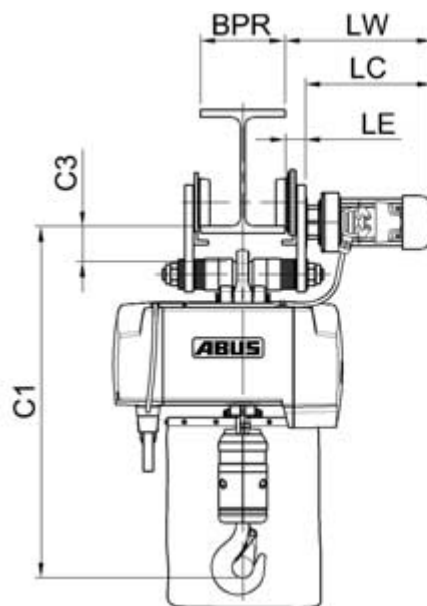
with additional housing



with HF push trolley



with EF electric trolley





**Dimensioned sketches
ABUCompact GM8**

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