



MECHCHAIN PRO II™

Easy-to-manoeuver lifting unit for professional lifting

Mechchain Pro II™ is an extremely easy-to-manoeuver lifting unit for professional lifting. Frequency control gives a stepless lifting speed controlled by a joystick.

Mechchain Pro II™ combines high precision with an impressive lifting speed!

MECHCHAIN PRO II™ gives you

- a well-controlled and precise lifting movement
- an extremely low ceiling height, enabling installation also in cramped work spaces

TYPICAL APPLICATION AREAS

- general lifting with slings or hooks
- lifting within general industry
- assembly work requiring high precision lifting
- material handling with customized grippers
- packing onto pallets and roller conveyors

Smooth frequency controlled chain lifter

Smooth and easily manoeuvred

Mechchain Pro II is an extremely easy-to-manoeuver lifting unit for professional lifting. Frequency control gives a stepless lifting speed controlled by a joystick. Mechchain Pro II combines high precision with an impressive lifting speed.

Low installation height

This lifting unit is suitable when a well-controlled and precise movement is required. Integrated in its travelling carriage, it has the lowest required ceiling height on the market, enabling installation also in cramped work spaces.

Integrated PLC & optional remote control

Mechchain Pro II has an integrated PLC which simplifies customized features. It is also possible to select remote control in cases where this facilitates handling.

Encoder

Mechchain Pro II may optionally be equipped with an encoder that reads the axle in the spindle limit switch. This makes it possible to set a lower stop position, as well as a further two stop/start positions along the stroke. The positions are stored in a built in memory in the frequency converter and are not erased in case of power cuts.

Control units in aluminium

For high availability also in challenging environments, Mechchain Pro II has been equipped with control units in aluminium with quick connect to the control cable. There is also a selection of standard brackets as option, for easy mounting on gripper tools or vacuum yokes.

Suitable for many environments

Mechchain Pro II is available in weight classes: 63-80-125-160-225 kg. Typical application areas are general lifting with slings or hooks, lifting within general industry, assembly work requiring high precision lifting, material handling with customized grippers, packing onto pallets and roller conveyors.

*Mechchain Pro II
combines high precision
with an impressive
lifting speed.*

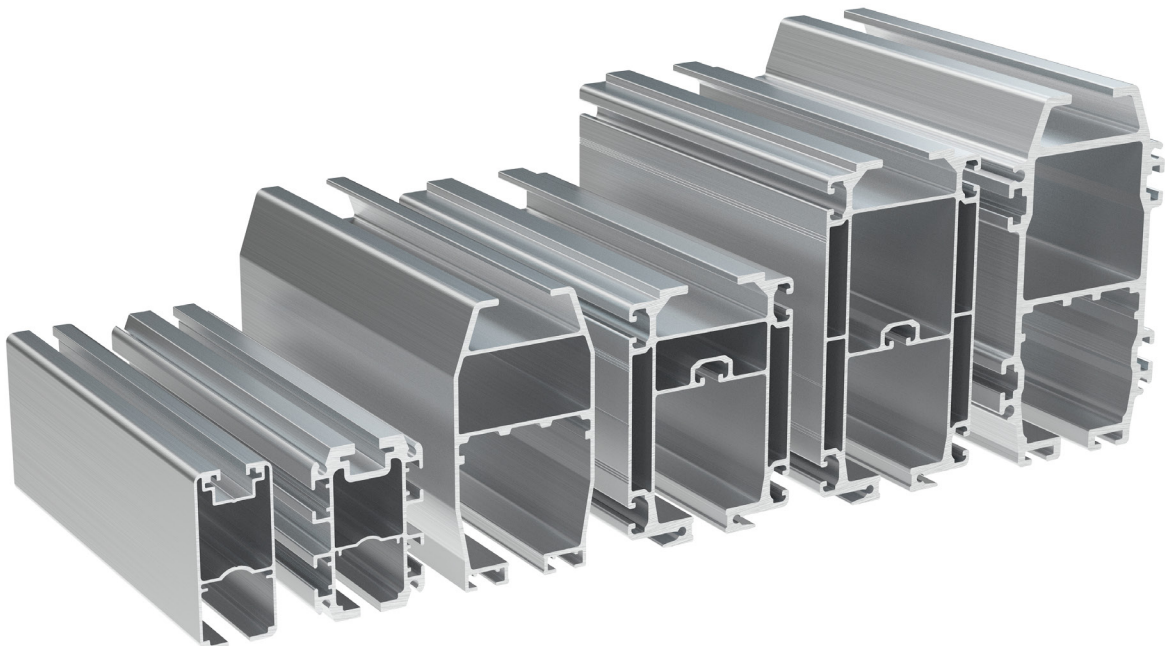
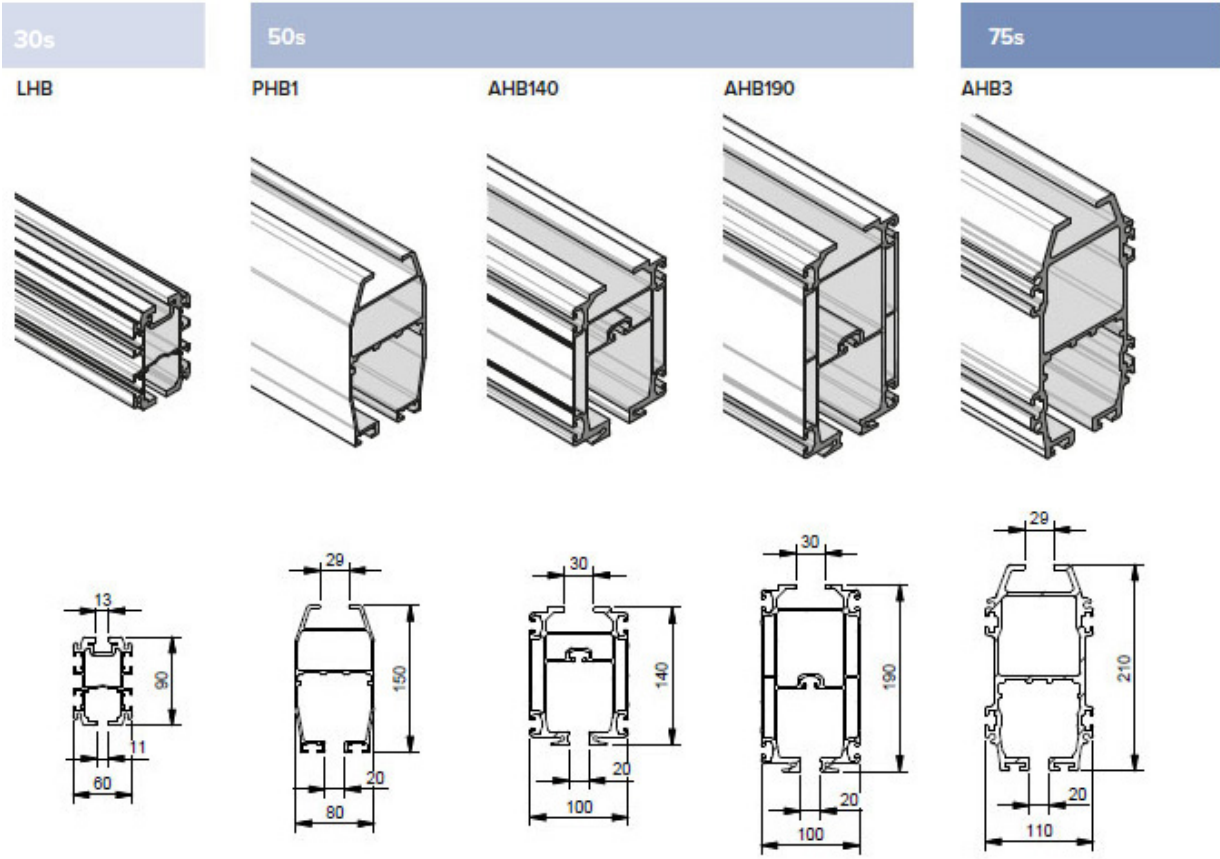


movomech
pro. series II
SWL 225 kg

SWL 200KG

Profiles

Mechchain Pro II is compatible with this rail profiles.



Weight class

63

80

125

160

63-80-125-160 kg	Max load SWL
5 m	Stroke
420 mm	Height Z_{min}
1x230V, N, PE	Voltage
0,37 kW	Motor output
10AT	Fuse
IP54	Enclosure class
3m/M6	Mechanism group
20 kg	Tare weight

Weight class

225

225 kg	Max load SWL
3,5 m	Stroke
420 mm	Height Z_{min}
1x230V, N, PE	Voltage
0,37 kW	Motor output
10AT	Fuse
IP54	Enclosure class
3m/M6	Mechanism group
20 kg	Tare weight

The ergonomic lift

You can maneuver a sack handling tool together with a Mechchain Pro in a simple and flexible way.

The tool is ergonomically correct for those who need to lift, cut and empty sacks of their contents.

The smooth stepless movements and high-precision positioning make sure that the sack stays in position while being cut and emptied.



Base unit 30s, 1-part

1. Base unit

30s, 1-part 745143

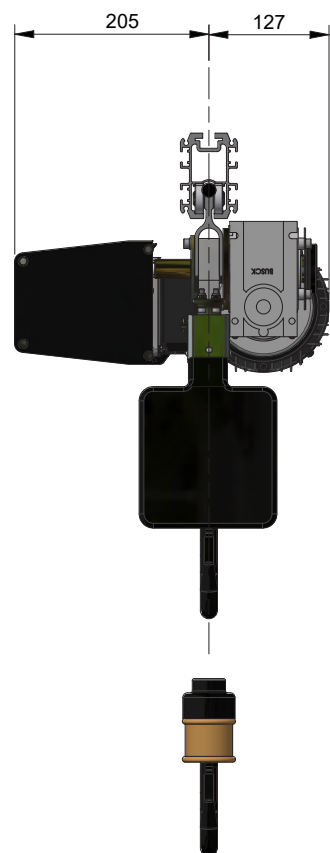
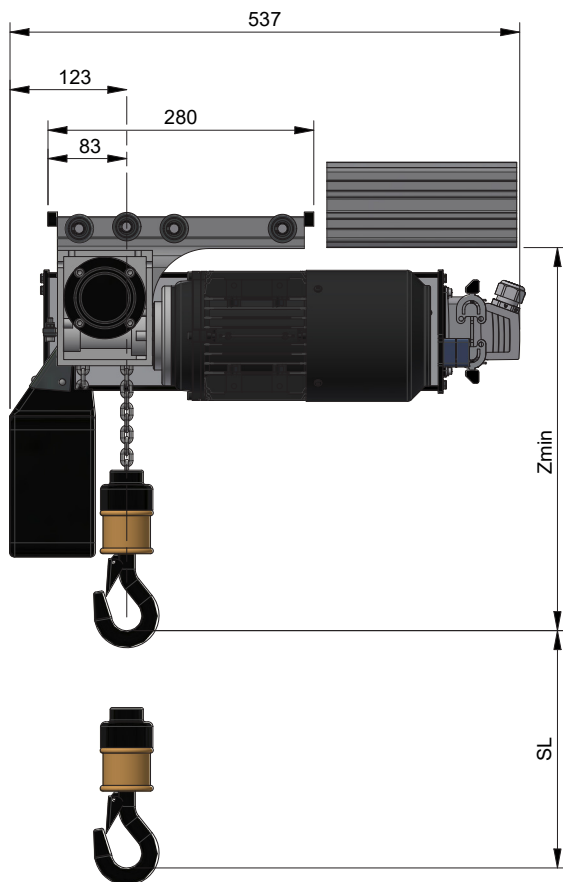
2. Load unit Max load v (m/min)

30s, 1-part	63 kg	0-16	745105
	80 kg	0-15	745106

v: lifting speed

3. Hook

Chain hook w. damper	731418
Safety hook w. swivel	731637
Swivel hook w. el + pneu	744779
Swivel hook w. pneu	744780



Further configurations, see page 13

Base model 50s, 1-part

1. Base model

50s, 1-part 745144

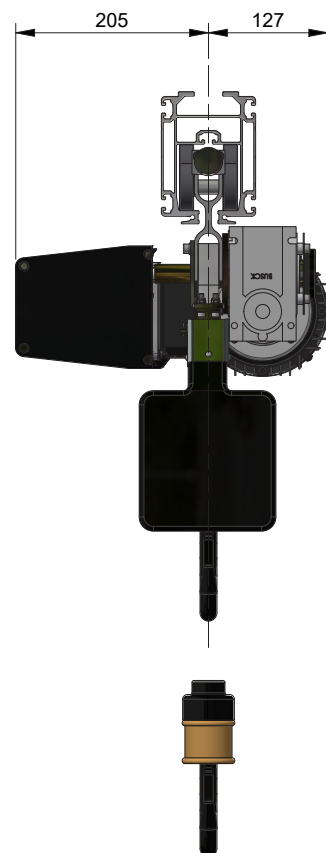
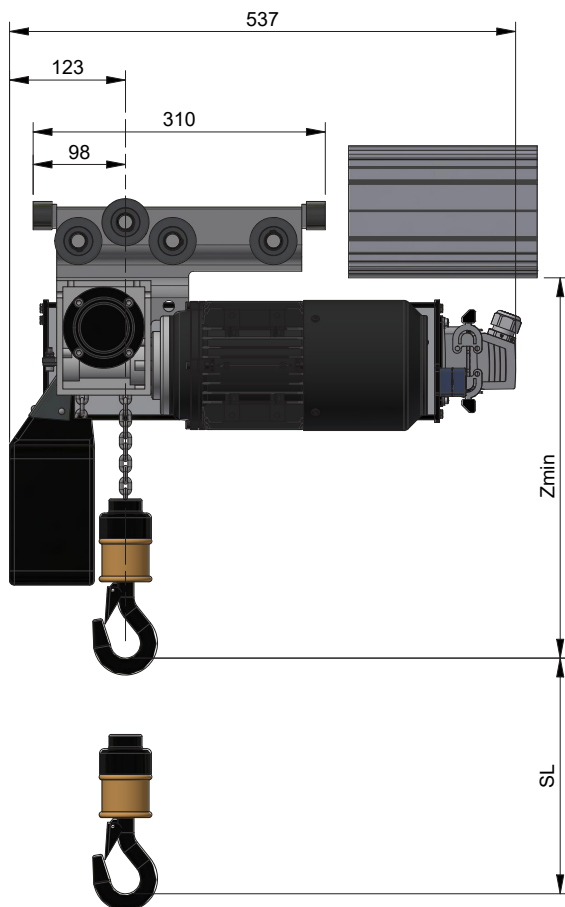
2. Load unit Max load v (m/min)

50s, 1-part	Max load	v (m/min)	#
	63 kg	0-16	745105
	80 kg	0-15	745106
	125 kg	0-12	745107
	160 kg	0-10	745108

v: lifting speed

3. Hook

- Chain hook w. damper 731418
- Safety hook w. swivel 731637
- Swivel hook w. el + pneu 744779
- Swivel hook w. pneu 744780



Further configurations, see page 13

Base unit 50s, 2-part

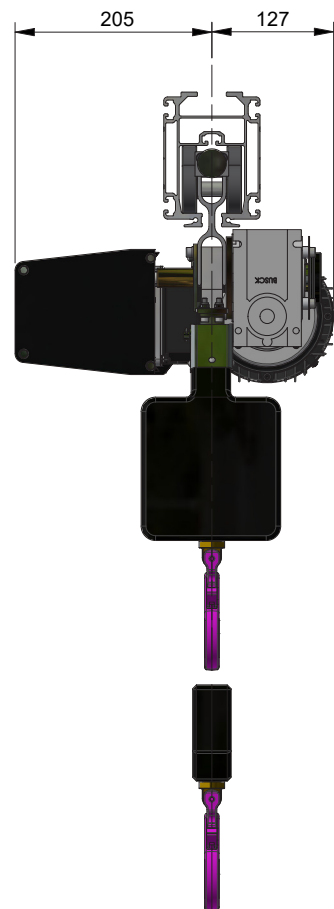
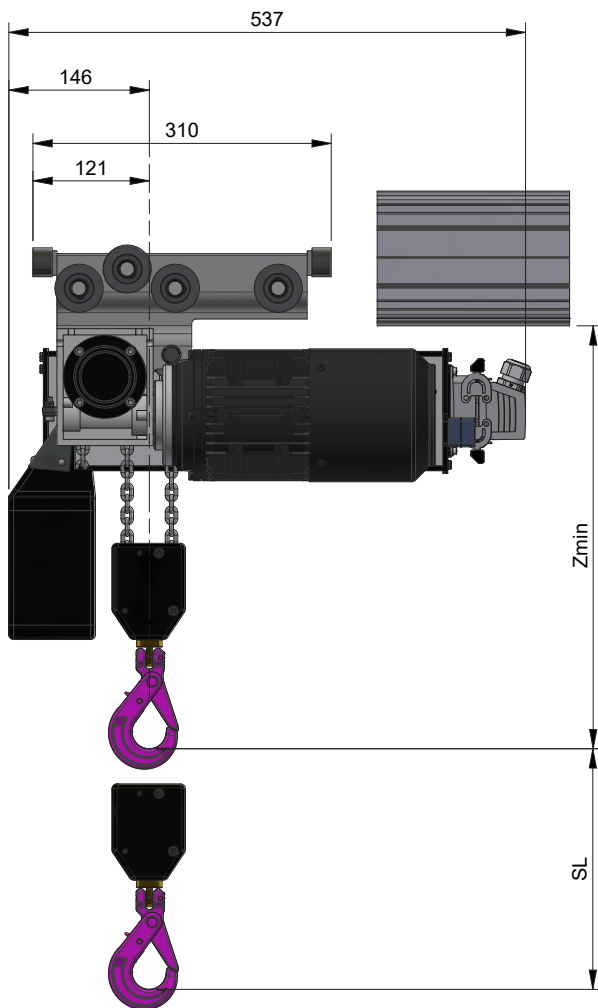
1. Base unit

50s, 2-part 745146

2. Load unit Max load v (m/min)

50s, 2-part 225 kg 0-7 745109

v: lifting speed



Further configurations, see page 13

Base unit 75s, 1-part

1. Base unit

75s, 1-part 745166

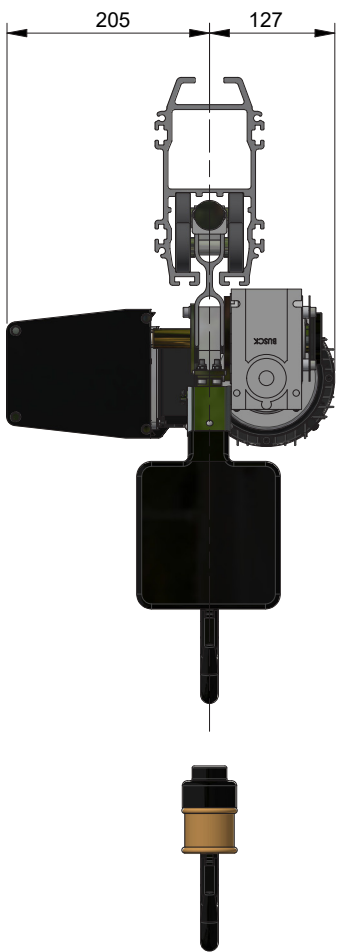
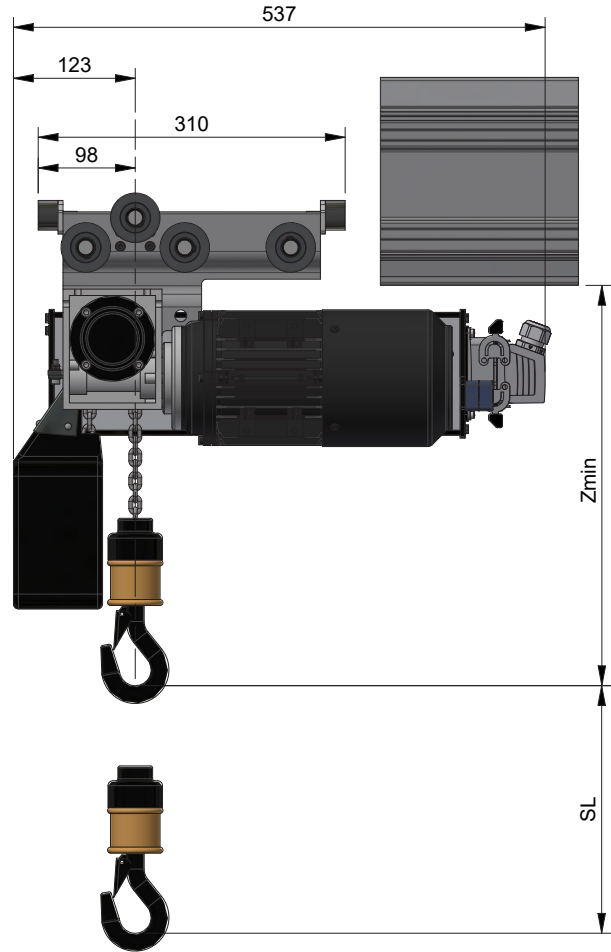
2. Load unit Max load v (m/min)

75s, 1-part	63 kg	0-16	745105
	80 kg	0-15	745106
	125 kg	0-12	745107
	160 kg	0-10	745108

v: lifting speed

3. Hook

- Chain hook w. damper 731418
- Safety hook w. swivel 731637
- Swivel hook w. el + pneu 744779
- Swivel hook w. pneu 744780



Further configurations, see page 13

Base unit 75s, 2-part

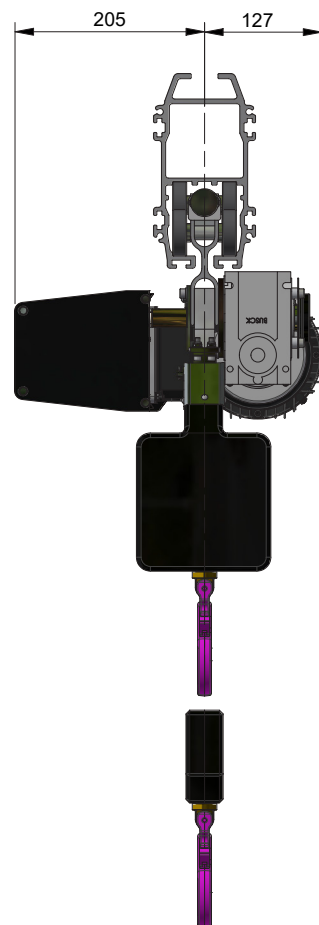
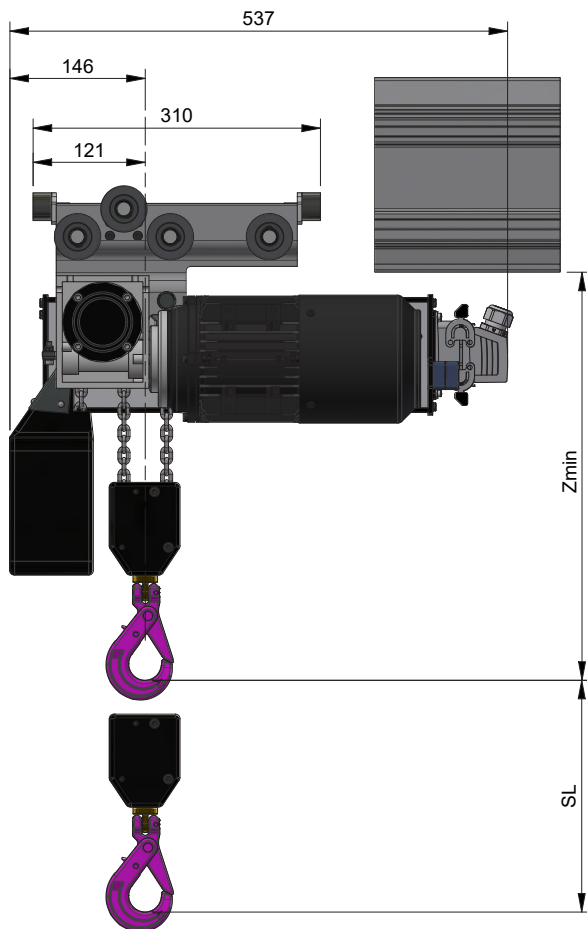
1. Base unit

75s, 2-part 745147

2. Load unit Max load v (m/min)

75s, 2-part 225 kg 0-7 745109

v: lifting speed



Further configurations, see page 13

Universal, 1-part

1. Base unit

Universal, 1-part 745145

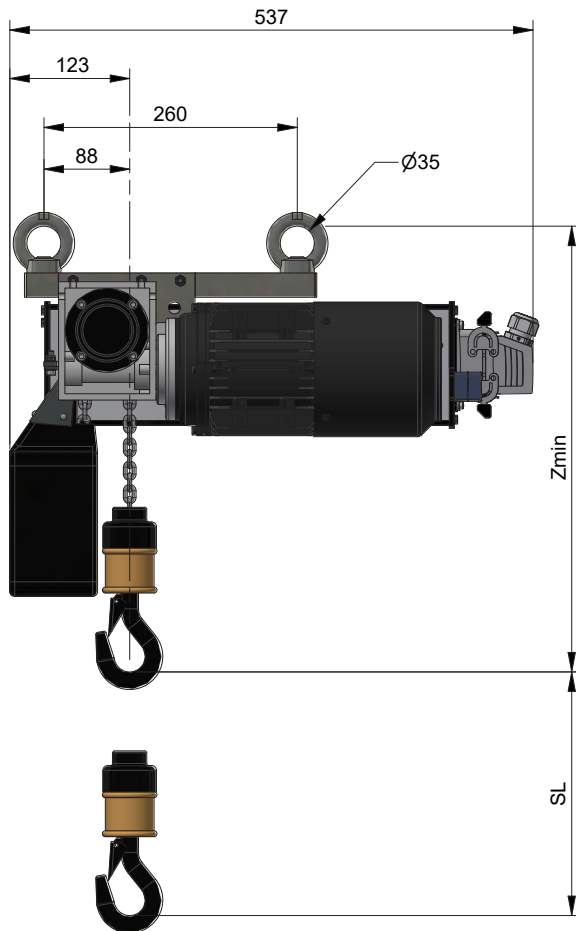
2. Load unit Max load v (m/min)

Universal, 1-part	63 kg	0-16	745105
	80 kg	0-15	745106
	125 kg	0-12	745107
	160 kg	0-10	745108

v: lifting speed

3. Hook

- Chain hook w. damper 731418
- Safety hook incl. swivel 731637
- Swivel hook w. el + pneu 744779
- Swivel hook w. pneu 744780



Further configurations, see page 13

Universal, 2-part

1. Base unit

#

Universal, 2-part

745148

2. Load unit

Max load

v (m/min)

#

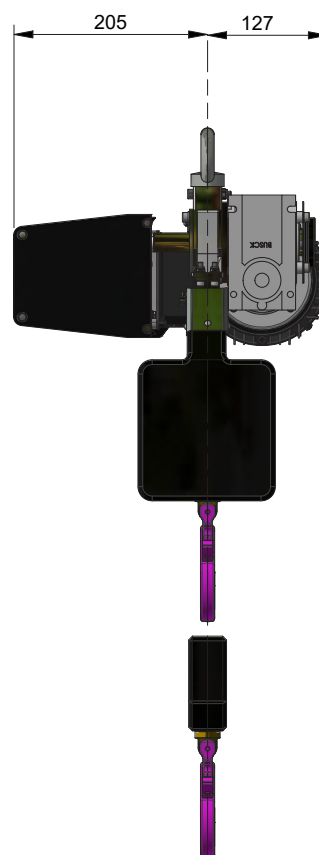
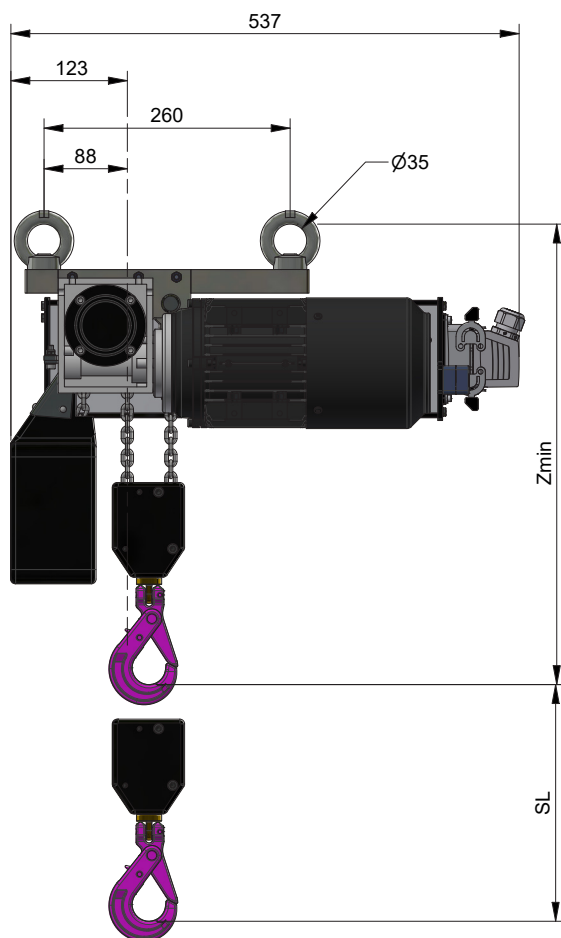
Universal, 2-part

225 kg

0-7

745109

v: lifting speed



Further configurations, see page 13

Option

1. Control cable - Hanging Length

Control cable M17	2500 mm	742955
Control cable M17	3000 mm	742956
Control cable M17	3500 mm	742957
Control cable M17	4000 mm	742958
Control cable M17	4500 mm	742959



2. Control unit

M17 With emergency stop	742195
M17 With emergency stop + protection	742196
M17 With em. stop + protection + handle	742197



742195



742196



742197

3. Media - Out Length

Spiral cable Ø10 pneu	200-2600 mm	745155
Spiral cable	300-2600 mm	745153
Spiral cable + Ø10 pneu	320-2600 mm	745154



745155



745153



745154

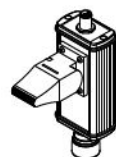
4. Control cable - Spiral Length

Control cable M12	300 mm	743105
Control cable M12	600 mm	740937
Control cable M12	1000 mm	741586
Control cable M12	2000 mm	741678
Control cable M12	5000 mm	741679
Control cable M12	7500 mm	741680



5. Control unit

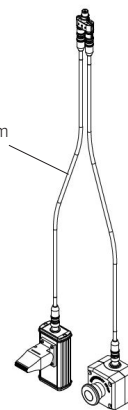
M12 With emergency stop	742192
M12 With emergency stop + protection	742194
M12 With separate emergency stop	742240
M12 With separate emergency stop + protection	742241



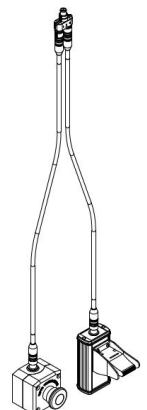
742192



742194



742240



742241

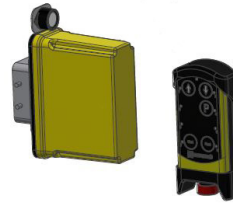
Option

1. Radio remote

#

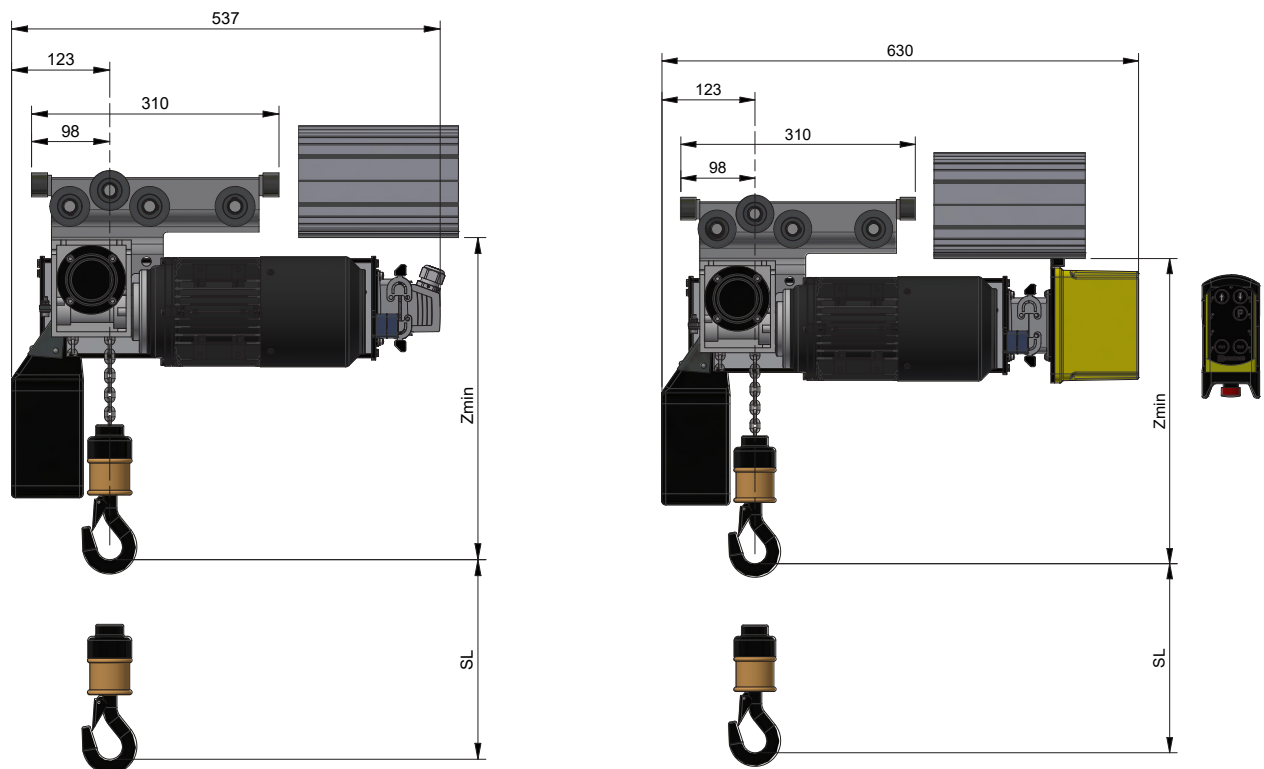
Radio remote control, incl charger

745152



When radio control is selected, the Mechchain changes from stepless to 2-speed operation in Z direction.

Even the options for control device and control unit are not compatible together with radio remote control.



* Example above.

Image on the left shows model without radio remote control and image on the right with radio remote control. Note that extended length is added when purchasing Mechchain incl. radio remote control.

Option

1. Media - In

End fix - Saddle (A)	745149
End fix - Shackle (D)	745150
Tow arm for C-rail	745151
Tow arm for CPL *	744054

* Not compatible with base model 30s



745149



745150



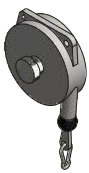
745151



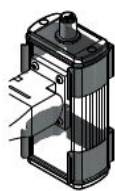
744054

2. Option

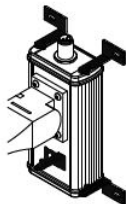
Balancer for cable	733243
Mounting clamp	742242
Wall bracket	742243
Adjustable wall bracket	742244



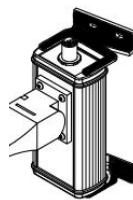
733243



742242



742243



742244

3. Option

Encoder kit	744920
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- The encoder simplifies positioning in the Z direction.
- Mounted in the rotary limit switch.
- Teach-in function.
- Connected directly to Mechchain Pro II (no external PLC).

WORLD-CLASS LIFTING SOLUTIONS



MOVOMECH AB
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