



ROEMHELD

Issue 6-08 E

M 4.201

Lifting Module Range

max. lifting force 2,000 N, stroke from 340 to 940 mm,
electro-mechanical telescopic version



Advantages:

- Low basic height
- Good accessibility
- High flexibility
- Improved productivity
- Simple integration
- Optimised ergonomics
- Simple operation

Application

Double telescopic lifting module for workshop applications in the industry.

Principal use

- Automation
- Drive technology, gear box assembly
- Couplings, cardan shafts
- Compressors, pumps, hydraulic elements
- Industrial fittings
- Material handling technology
- Automotive industry and their suppliers
- Machine tool building
- Building and agricultural machines
- Electronics

Fixing and installation

For fixing of *modulog* modules or other components of the user at the top plate the lifting module has an interface 140 x 140.

The bottom plate with double interface 200 x 200 is used to fix the lifting module on the flat level floor.

For fixing 6 screws M10 of property class 10.9 as well as heavy-duty plugs are to be used.

Description

The telescopic lifting module Range is equipped with an A.C. motor 230 VAC.

The stroke movement is effected by a self-locking spindle drive.

The telescopic guide unit consists of a precise aluminium profile section with a pre-stressed plain bearing with low friction and without clearance for exact and sensitive positioning.

The compact construction with low height and small width guarantees an unhindered accessibility from all sides.

Mechanical and electric interfaces can be easily integrated in the process of automation.

Operation

The operation is made by hand panel or foot switch or alternatively by a primary electric control.

Lifting and lowering is triggered by push-buttons with touch control contact. After release of the push-button, the motion will be stopped immediately.

Material

Lifting profile:	aluminium, naturally anodised
Top and bottom plate:	aluminium, black anodised
Protection cap:	steel, black-lacquered

modulog

Lifting module



Part-no. 8912-02-XX-E

Technical characteristics

Max. lifting force:	2,000 N
Max. torque:	500 Nm
Stroke:	340 to 940 mm

Operational modes

- Foot switch
- Hand panel



Combinable with the modules

- Rotating module - horizontal axis
DMH 200
as per data sheet M 1.101
- Tilting module
KMB 100
as per data sheet M 2.101
- Rotating module - vertical axis
DMV 1000
as per data sheet M 3.101



modulog interfaces

- Top plate: 140 x 140 - Ø 10.5 mm
- Bottom plate: 200 x 200 - Ø 10.5 mm

Accessories

- Foot switch and hand panel
as per data sheet M 8.200
- Base and adaptor plates
as per data sheet M 8.100 and M 8.110
- Table plates
as per data sheet M 8.130 and M 8.131



ROEMHELD

Technical Characteristics Dimensions / Accessories

Technical Characteristics

Lifting speed	70 mm/s
Electric connection	1/PE (230 VAC/50 Hz)
Rating	0.75 kW
Control voltage	24 VDC
Duty cycle	20 % ED
Code class	IP 54

Important notes!

The lifting module must only be pressure loaded. The centre of gravity should be within the traverse of the fixing screws.
If the centre of gravity is outside, the dowelled joint with the floor has to be dimensioned correspondingly. In such cases it is recommended to use a larger base plate.

The lifting module is designed for applications within closed rooms.

Code for part-numbers

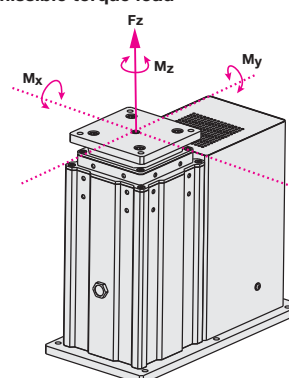
Part-no. 8912-02-XX-E

Stroke

34 = 340 mm
54 = 540 mm
74 = 740 mm
94 = 940 mm

Stroke [mm]	A [mm]	A + stroke [mm]	Weight [kg]
340	420	760	70
540	520	1060	77
740	620	1360	84
940	720	1660	91

Maximum lifting force and maximum admissible torque load



Maximum lifting force F_z : 2,000 N

Maximum torque load:

Total $M_{x/y}$: 500 Nm
 M_z : 300 Nm

In the case of eccentric loads, it is recommended to compensate these by counterweights. In off-position the indicated maximum torques may occur.

The forces and torques have to be considered by the operator. During the lifting motion only 50% of the maximum values are admitted.

Delivery

The lifting modules are delivered ready for connection. Foot switch or hand panel as well as a mains cable have to be ordered separately as accessories.

Electrical accessories

See data sheet M 8.200

● Foot switch

with connecting cable 1.5 m
Part-no. 3823-029



● Hand panel

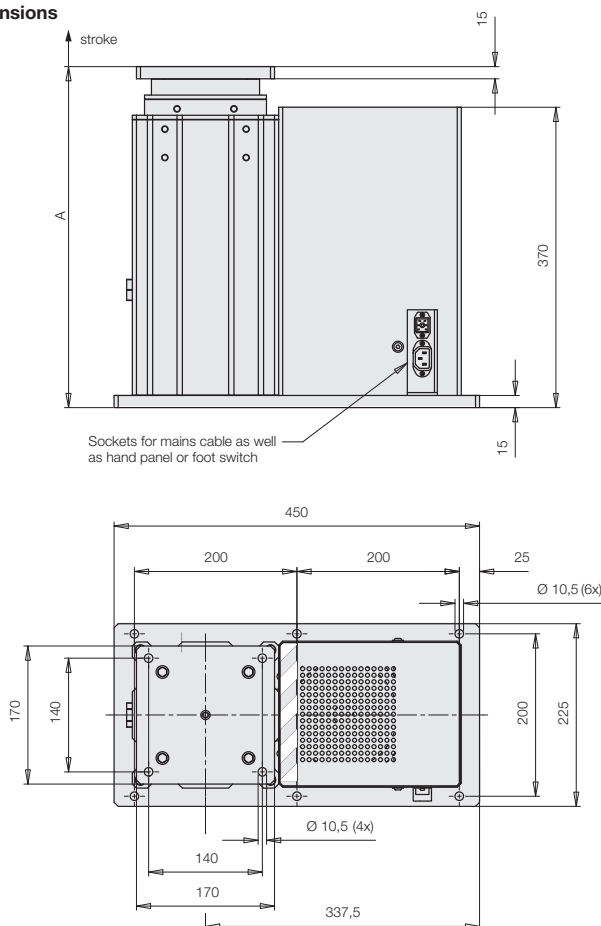
with connecting cable 1.6 m
Part-no. 3823-025



● Mains cable 230 VAC

Mains cable smooth with earthing type plug, 3.0 m
Part-no. 3829-202

Dimensions



Accessories

Base plate for increased stability

Part-no. 6311-460

See data sheet M 8.120