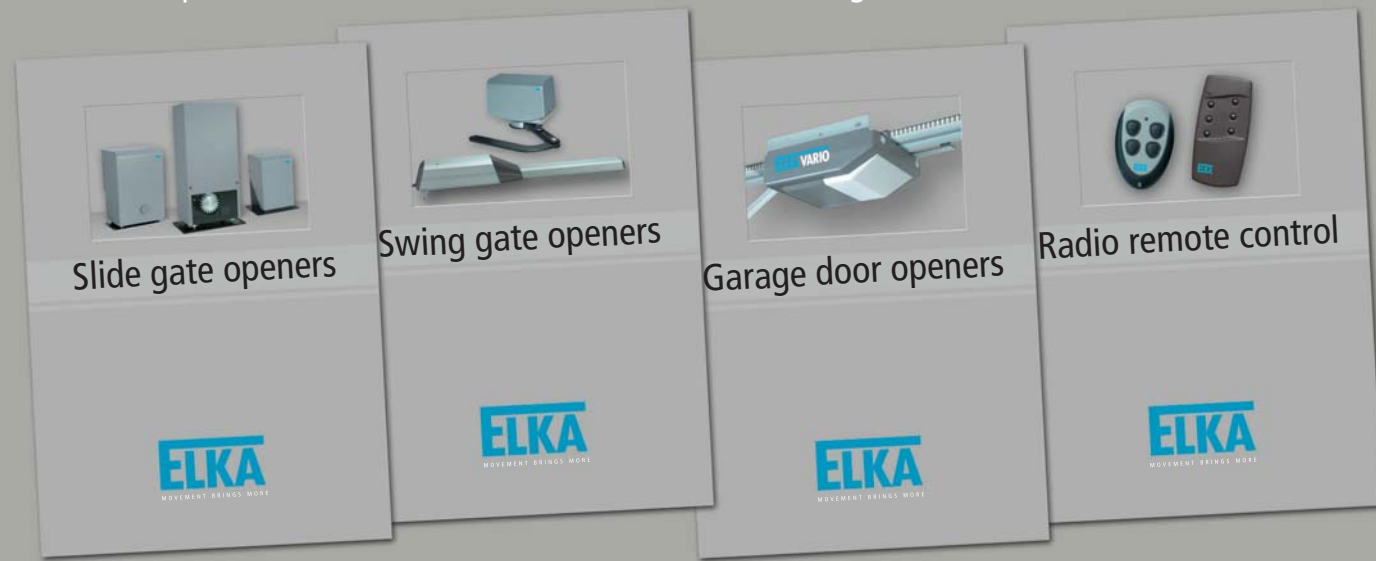


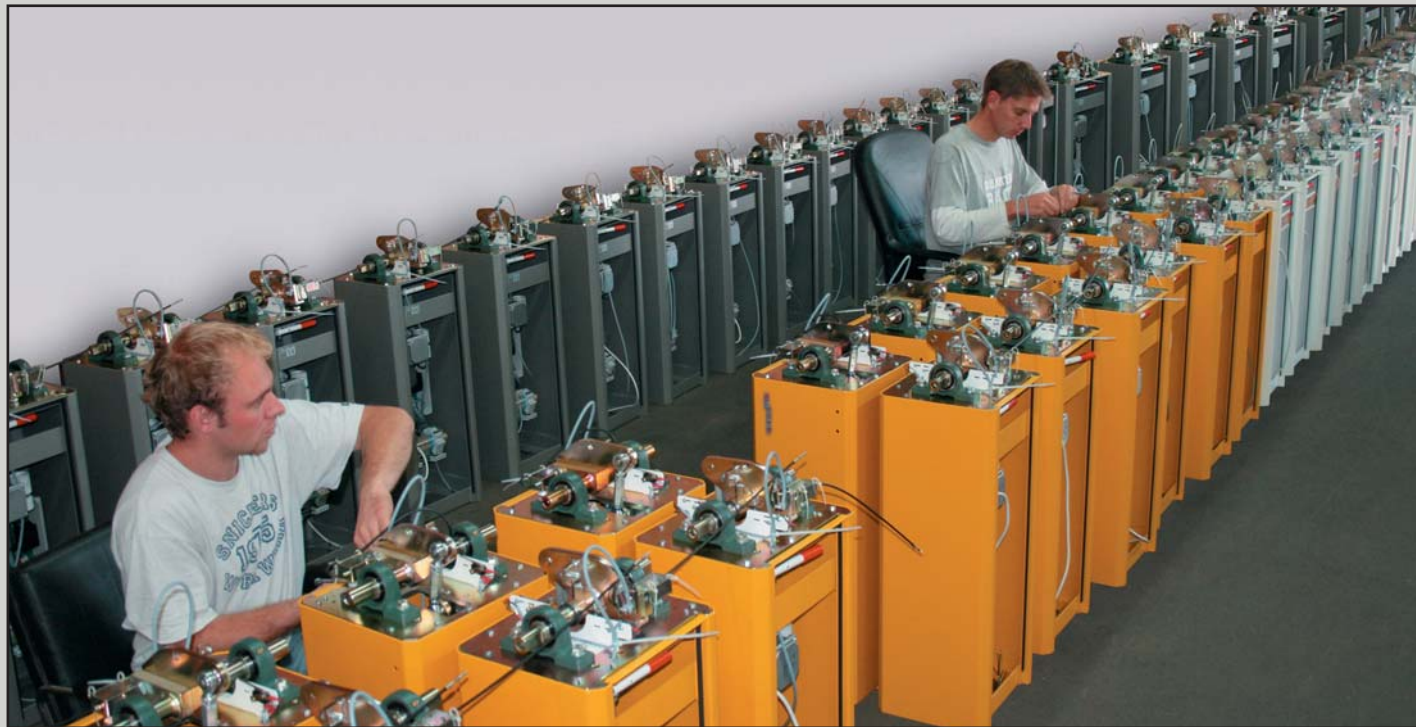
Please request detailed brochures - free of charge



Barrier systems

Our standard.

Responsible production.

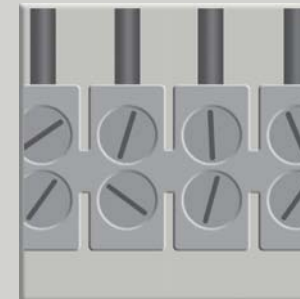


We offer more.

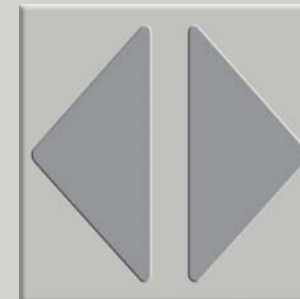
ELKA-barriers with many extras.



The housings of all ELKA-barriers are made of aluminium and are powder coated - 10 years warranty against rust perforation.



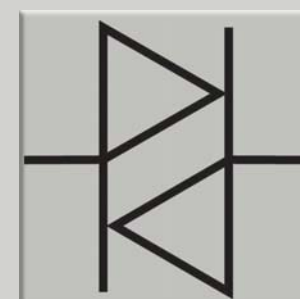
The pre-wired terminal row has two sockets for loop detectors (1x1-channel plus 1x2-channel). The connection of components like photo cells, switches, desk-top panels, and traffic lights is easy to accomplish.



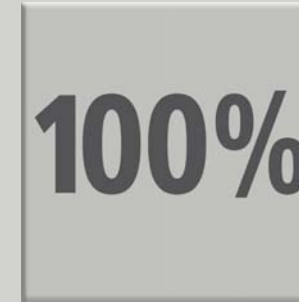
ELKA-barriers fit everywhere. Up to 4,000mm boom length they are left/right connectable. The larger barriers beginning with 5,000mm boom length have a centrally mounted boom connector.



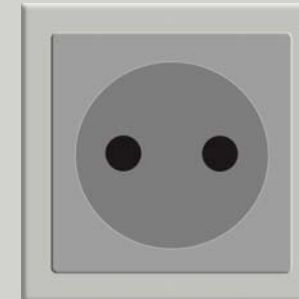
With all ELKA-barriers for car parks, parking garages, and industry a permanent closing force control can be programmed. When the barrier boom hits a vehicle, it reverses and reopens.



The barrier controller MO 63 is exemplarily reliable. Nearly wear-free. TRIACS protect the motor relays - a prerequisite for many million cycles.



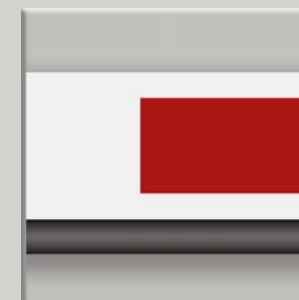
From a small parking lot to a multi storey car park with highest frequency - ELKA-barriers are the right choice. The duty cycle is 100%.



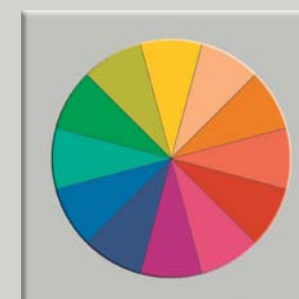
Minor things sometimes make the difference. One example is the maintenance power outlet inside the barrier housing.



Constructively determined sharing points keep the damage small during vandalism. Optimal protection of mechanical parts and gearbox. Merely small parts have to be replaced.



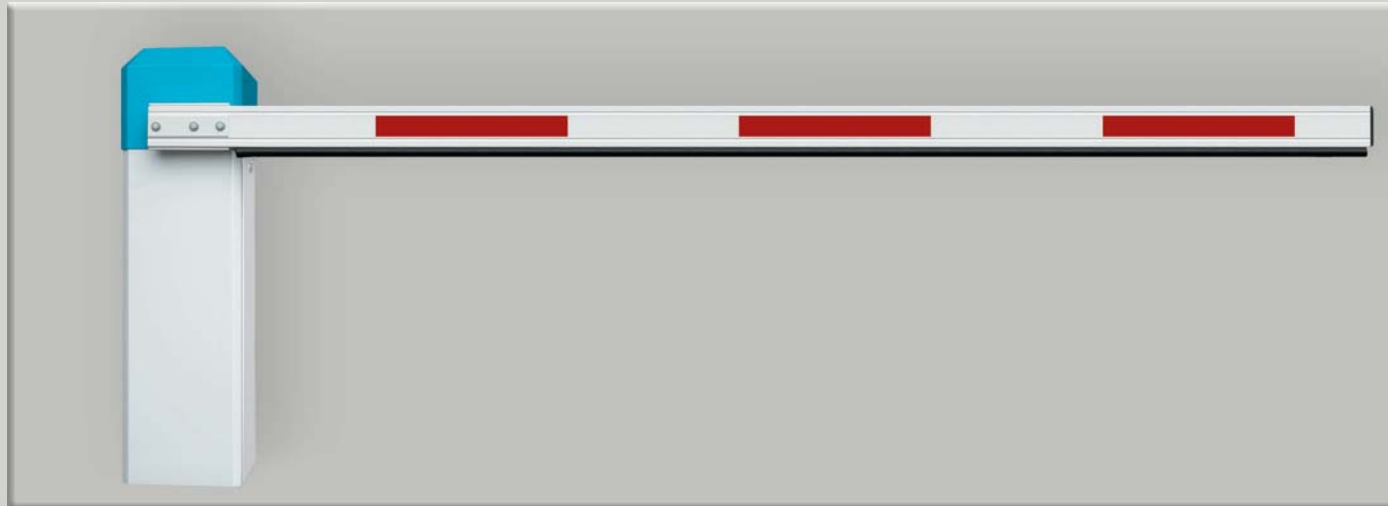
The barrier boom profiles made of aluminium are tailored at our factory - with red, reflective signal stripes and a rubber tube on the boom underside.



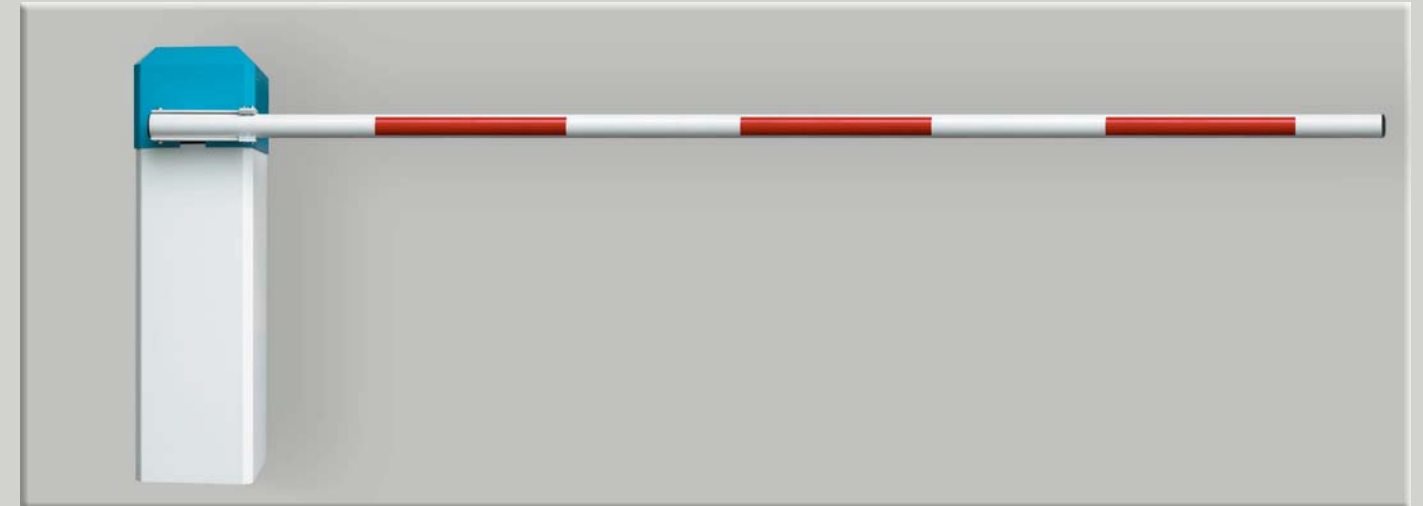
ELKA-barriers are powder coated - hood RAL 5012, housing RAL 9010. All RAL-colours are optionally available near-term.

Our expertise.

Product line for a sophisticated and competitive choice.



Barriers up to 4,000mm for parking garages and car-parks.



Toll station barriers up to 3,500mm for highways with toll booths.



Barriers up to 8,000mm for industry.



Manual barriers up to 7,500mm effective boom length.



Barriers up to 12,000mm for industry.



Aluminium pillars and housings.

Barriers ES 25 to ES 40 for parking garages and car-parks



Type	Boom length/profile	Effective boom length	Running time
ES 25HS	upto 2,500 x 100 x 25mm	upto 2,280mm	approx. 0.9s
ES 25	upto 2,500 x 100 x 25mm	upto 2,280mm	approx. 1.4s
ES 30HS	upto 3,000 x 100 x 25mm	upto 2,780mm	approx. 1.4s
ES 30	upto 3,000 x 100 x 25mm	upto 2,780mm	approx. 2.3s
ES 40	upto 4,000 x 100 x 25mm	upto 3,780mm	approx. 3.2s
ES 40S*	upto 4,000 x 100 x 25mm	upto 3,780mm	approx. 3.2s

* for numerous reversing

Additional information in the table on pages 22 and 23.



Boomholder
left/right

Emergency release

Gearbox

Maintenance
mains power outlet

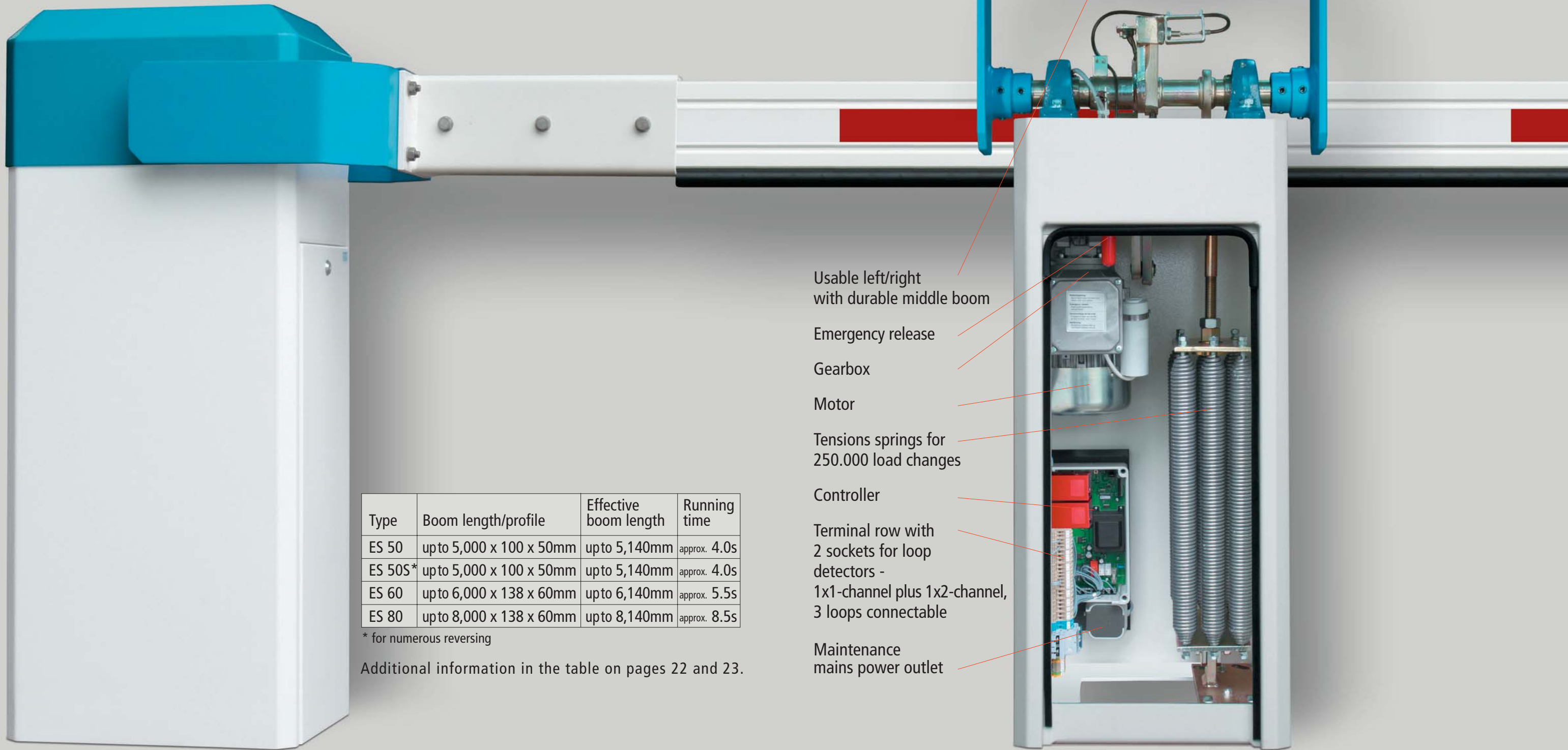
Motor

No springs =
wear-free

Controller

Terminal row with
2 sockets for loop
detectors -
1x1-channel plus 1x2-channel,
3 loops connectable

Barriers ES 50 to ES 80 for industry



Type	Boom length/profile	Effective boom length	Running time
ES 50	upto 5,000 x 100 x 50mm	upto 5,140mm	approx. 4.0s
ES 50S*	upto 5,000 x 100 x 50mm	upto 5,140mm	approx. 4.0s
ES 60	upto 6,000 x 138 x 60mm	upto 6,140mm	approx. 5.5s
ES 80	upto 8,000 x 138 x 60mm	upto 8,140mm	approx. 8.5s

* for numerous reversing

Additional information in the table on pages 22 and 23.

Usable left/right
with durable middle boom

Emergency release

Gearbox

Motor

Tensions springs for
250.000 load changes

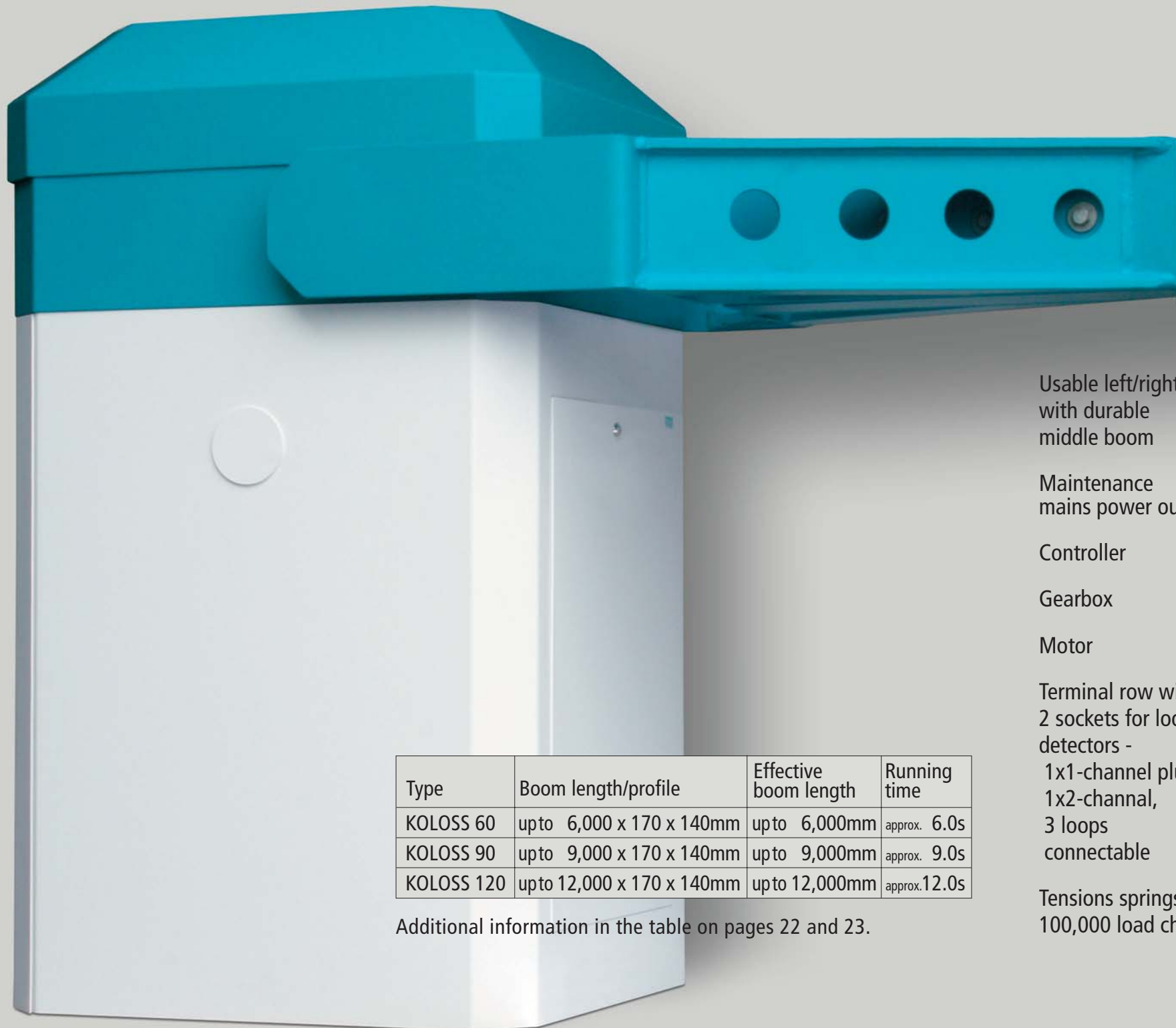
Controller

Terminal row with
2 sockets for loop
detectors -
1x1-channel plus 1x2-channel,
3 loops connectable

Maintenance
mains power outlet

KOLOSS 60 to 120

for specific, sturdy requirements



Type	Boom length/profile	Effective boom length	Running time
KOLOSS 60	upto 6,000 x 170 x 140mm	upto 6,000mm	approx. 6.0s
KOLOSS 90	upto 9,000 x 170 x 140mm	upto 9,000mm	approx. 9.0s
KOLOSS 120	upto 12,000 x 170 x 140mm	upto 12,000mm	approx. 12.0s

Additional information in the table on pages 22 and 23.

Usable left/right with durable middle boom

Maintenance mains power outlet

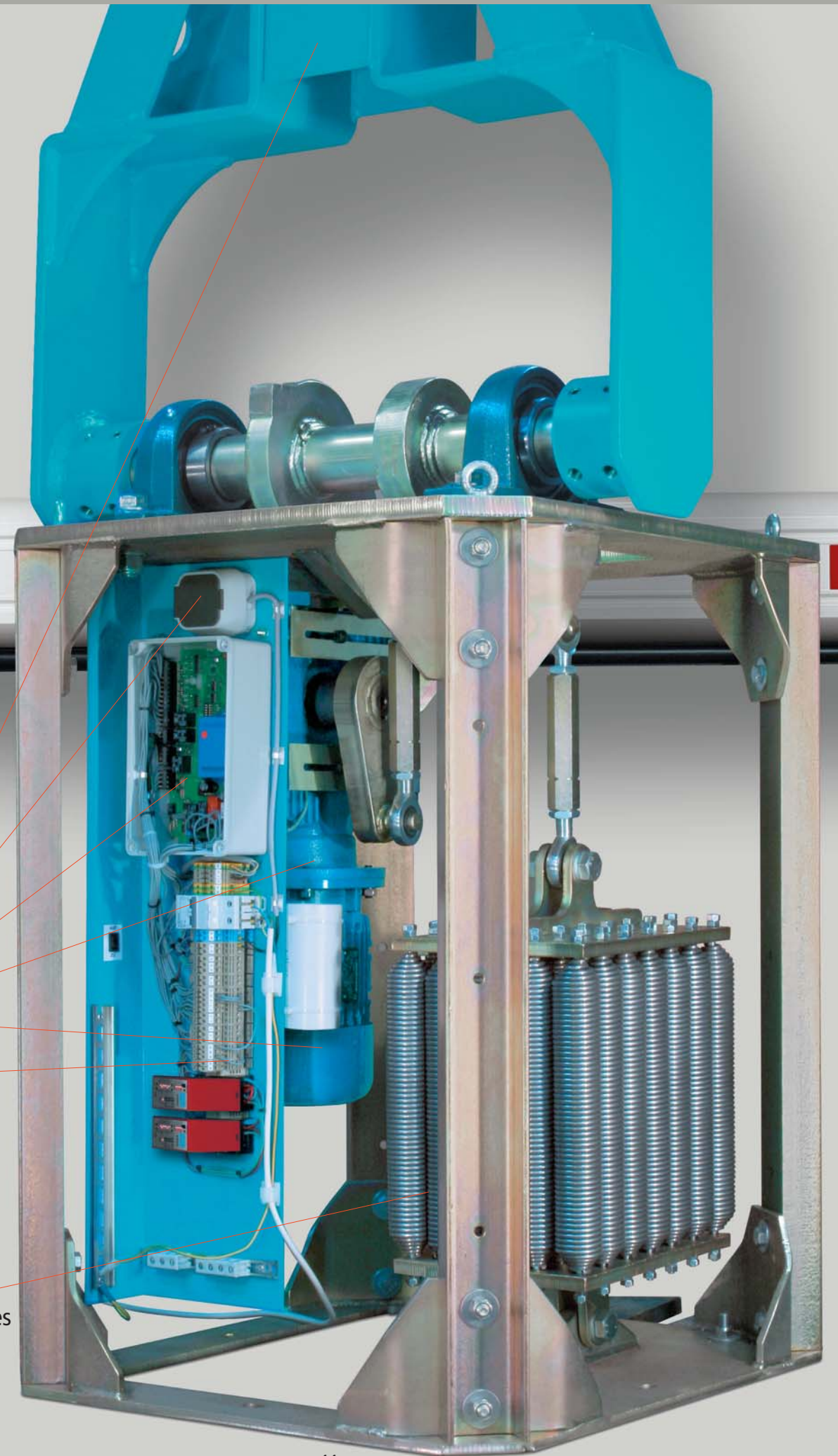
Controller

Gearbox

Motor

Terminal row with 2 sockets for loop detectors - 1x1-channel plus 1x2-channel, 3 loops connectable

Tensions springs for 100,000 load changes

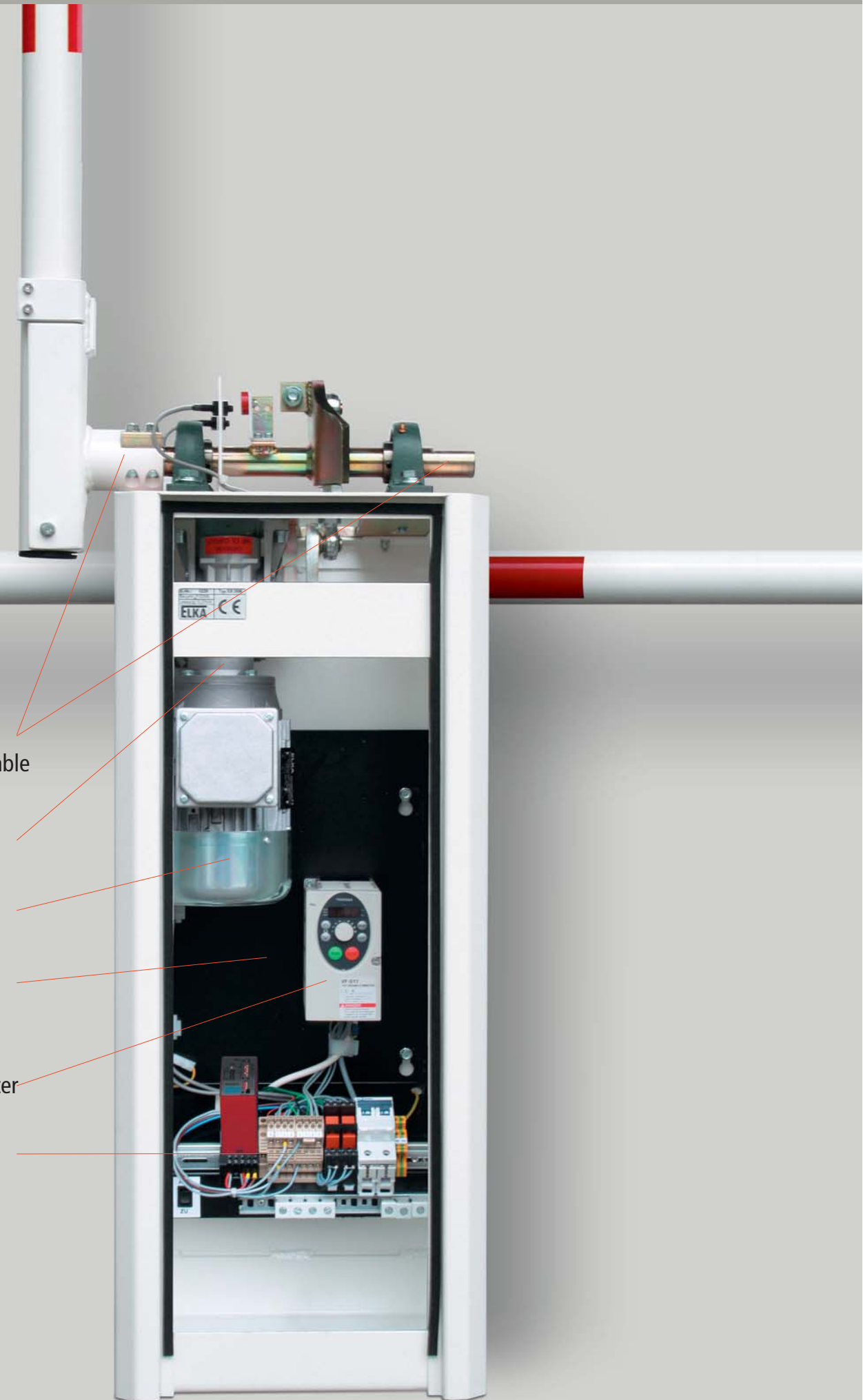


Barriers MAUT 25 to MAUT 35 for highways with toll booths



Type	Boom length/profile	Effective boom length	Running time
MAUT 25	upto 2,500 x 60mm Ø	upto 2,260mm	approx. 0.6s
MAUT 30	upto 3,000 x 60mm Ø	upto 2,760mm	approx. 0.9s
MAUT 35	upto 3,500 x 60mm Ø	upto 3,260mm	approx. 1.4s

Additional information in the table on pages 22 and 23.



Boom holder
left/right connectable

Gearbox

Motor

No springs =
wear-free

Frequency converter

Terminal row
with socket for
1-channel
loop detector

Folding skirts and folding top and bottom skirts

Folding skirt 75
for ES 50 to ES 80, and KOLOSS 60 and 90



Folding skirt 75, flat-rolled aluminium, 15x3mm, white or red/white, 750mm high, weight: 1.5kg/m

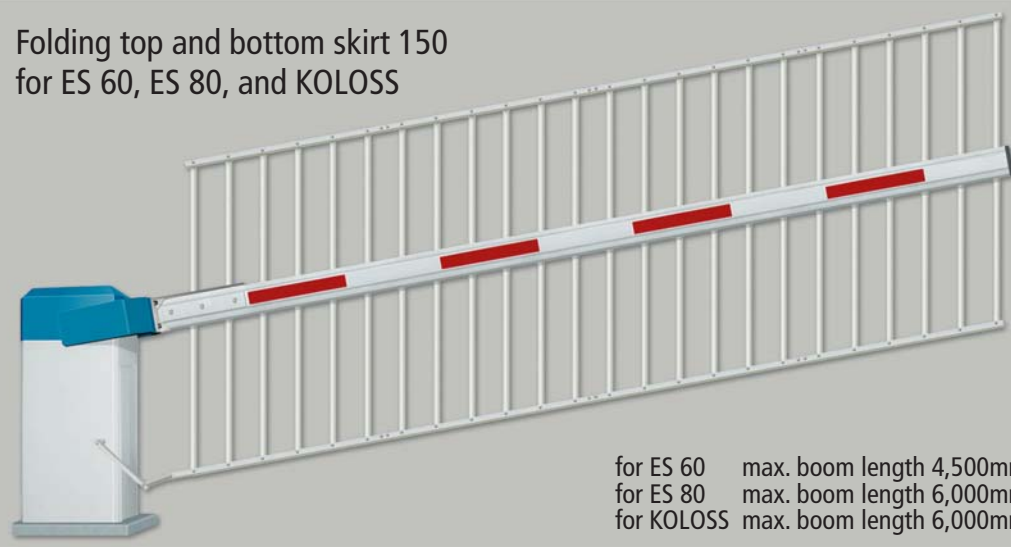
Folding skirt 150
for ES 60, ES 80, and KOLOSS



for ES 60 max. boom length 4.500mm
for ES 80 max. boom length 6.000mm
for KOLOSS max. boom length 6.000mm

Folding skirt 150, aluminium circular tubes, 20mm, white or red/white, 1,500mm high, weight: 4.5kg/m

Folding top and bottom skirt 150
for ES 60, ES 80, and KOLOSS



for ES 60 max. boom length 4,500mm
for ES 80 max. boom length 6,000mm
for KOLOSS max. boom length 6,000mm

Folding top and bottom skirt 150, aluminium circular tubes, 20mm, white or red/white, 1,500mm high, weight: 3.5kg/m

Barrier Accessories



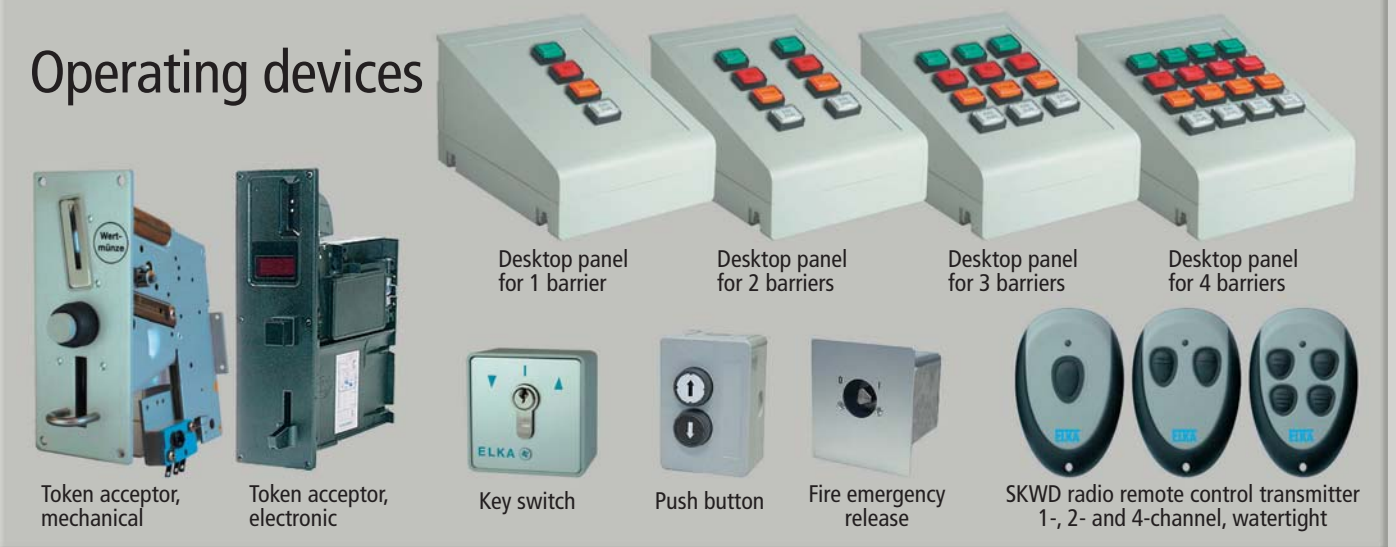
Fixed support

Fixed support height adjustable - also with electromagnet -

Swinging support

Articulation kit for barrier boom

Operating devices



Desktop panel for 1 barrier

Desktop panel for 2 barriers

Desktop panel for 3 barriers

Desktop panel for 4 barriers

Token acceptor, mechanical

Token acceptor, electronic

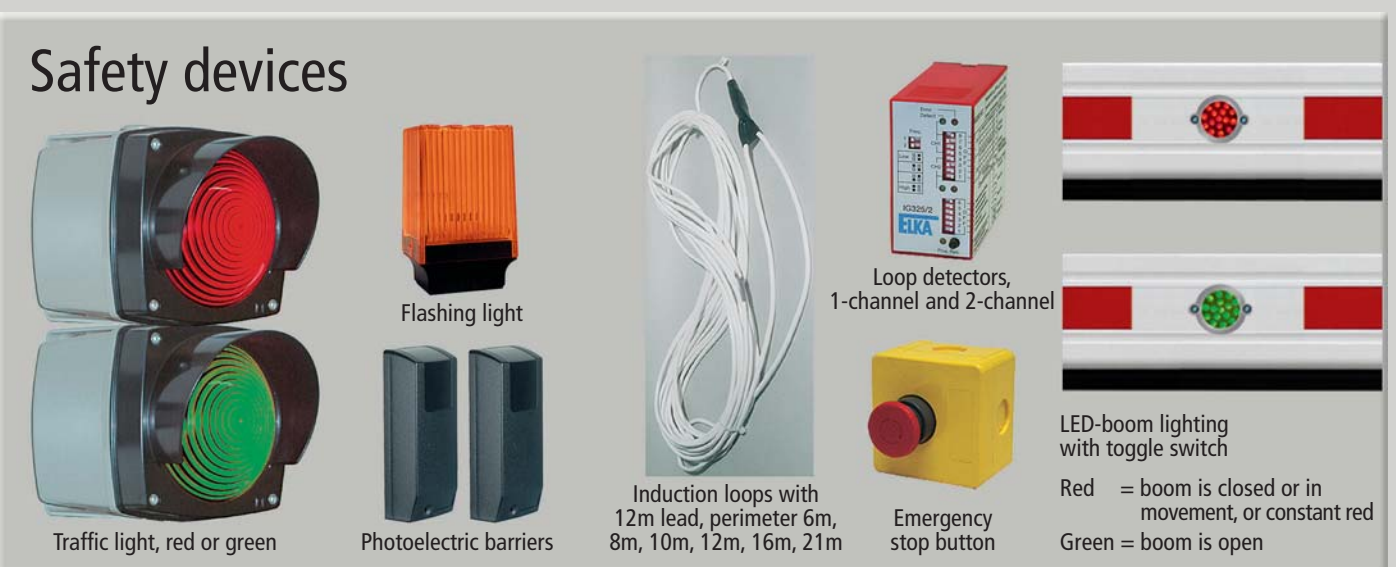
Key switch

Push button

Fire emergency release

SKWD radio remote control transmitter 1-, 2- and 4-channel, watertight

Safety devices



Traffic light, red or green

Photoelectric barriers

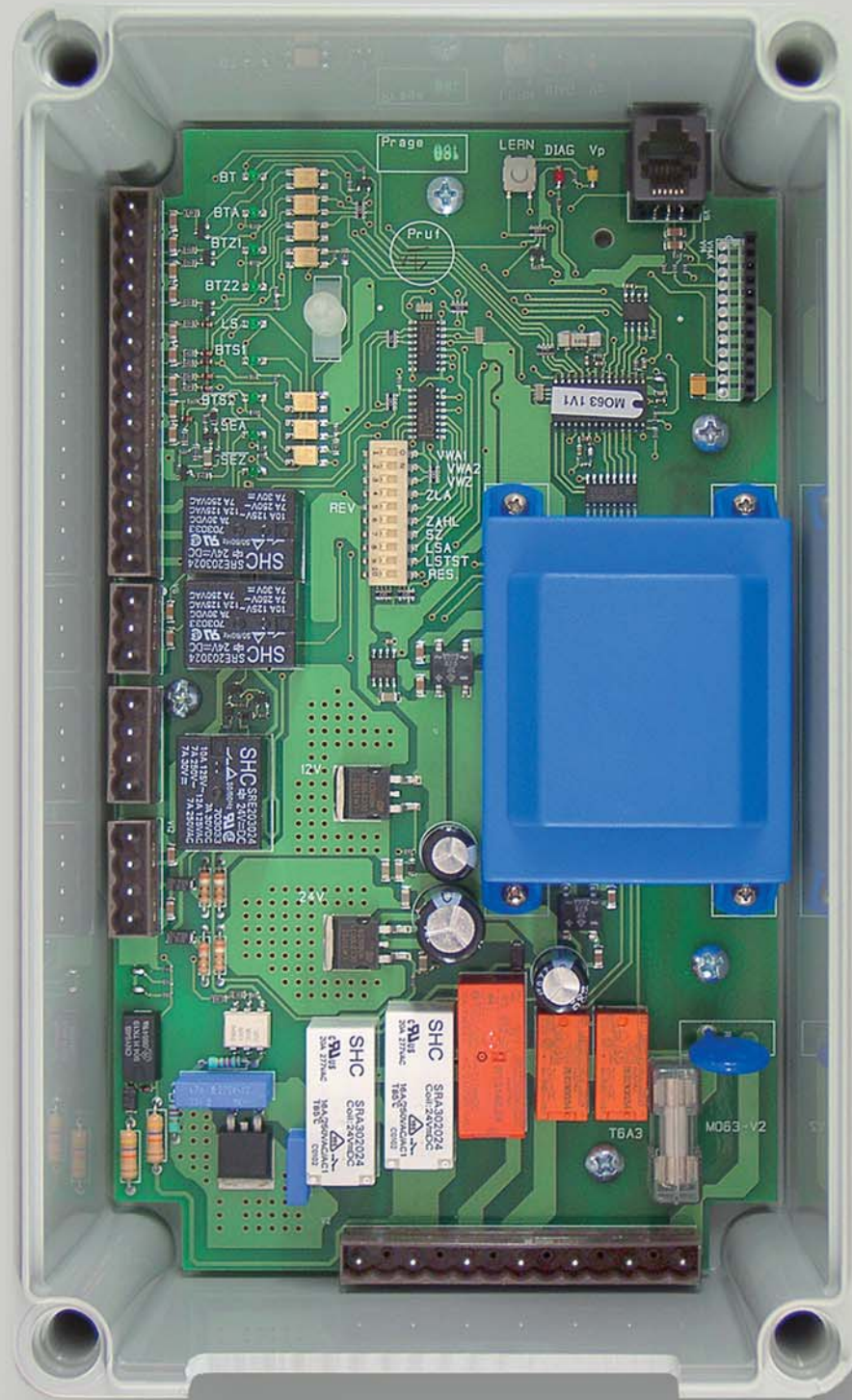
Induction loops with 12m lead, perimeter 6m, 8m, 10m, 12m, 16m, 21m

Emergency stop button

Loop detectors, 1-channel and 2-channel

LED-boom lighting with toggle switch
Red = boom is closed or in movement, or constant red
Green = boom is open

Barrier controller MO 63 for many million cycles



Basic details

- For ES 25 to ES 80 and KOLOSS 60 to KOLOSS 120
- Power supply 230V/50Hz

Obvious details

- Information is saved during current failure
- Automatic closure, programmable (0-300s)
- Pre-warning time OPEN, selectable (1.5s or 4s)
- Pre-warning time CLOSE, selectable (4s)
- One-button operation for serial switching or three-button operation for OPEN-STOP-CLOSE
- Flashing light and traffic light for status indication connectable
- Indication boom open/closed
- Socket for 434MHz radio remote control

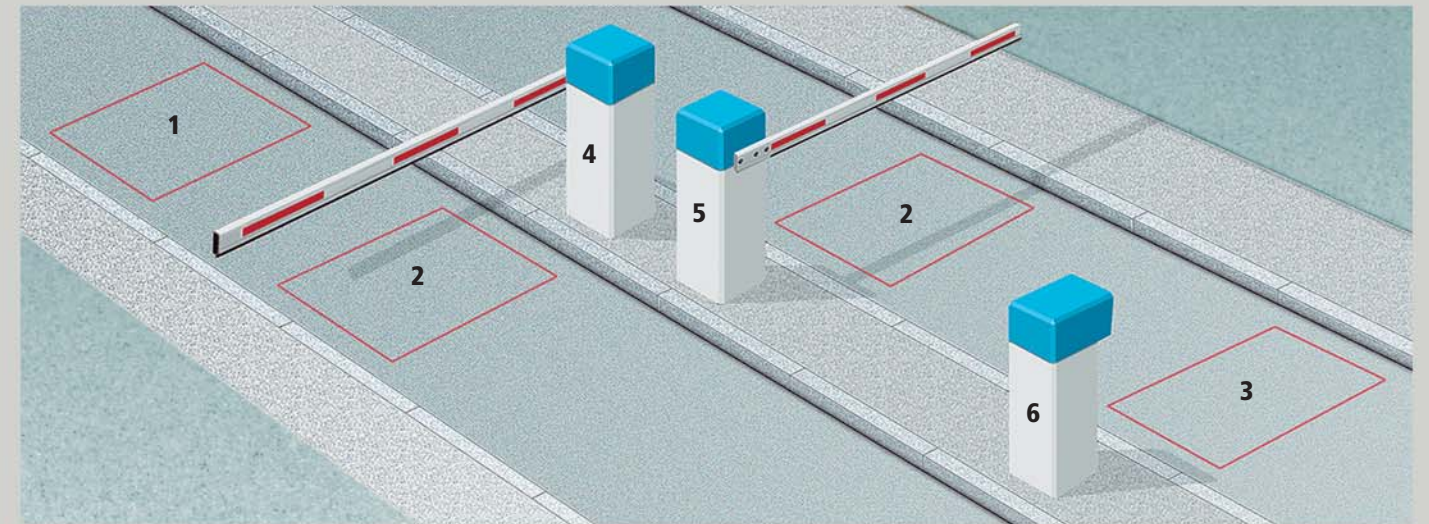
Professional details

- TRIAC-relays for 5,000,000 movements
- Running time control
- Re-opening on obstacles
- Photo-cell connection for 6 photo-cells with patented testing function
- 12Vdc and 24Vdc supply for periphery equipment, 500mA, stabilised

Suitable for parking decks

- The barrier reverses immediately after a definite closing signal (selectable)
- After two opening signals the barrier closes after the second closing signal (selectable)

Induction loop for unobstructed entrance and exit



1 Induction loop for automatic opening 2 Induction loop for safety and closing 3 Induction loop indicating that a vehicle is present 4 Exit barrier 5 Entrance barrier 6 Entrance terminal with access control

4 Variants

Variant 1

Access control e.g. with a key switch, when a vehicle is on the loop. Automatic exit with an opening loop. Safety of vehicles under the boom and closing of the barrier with induction loop.

Variant 2

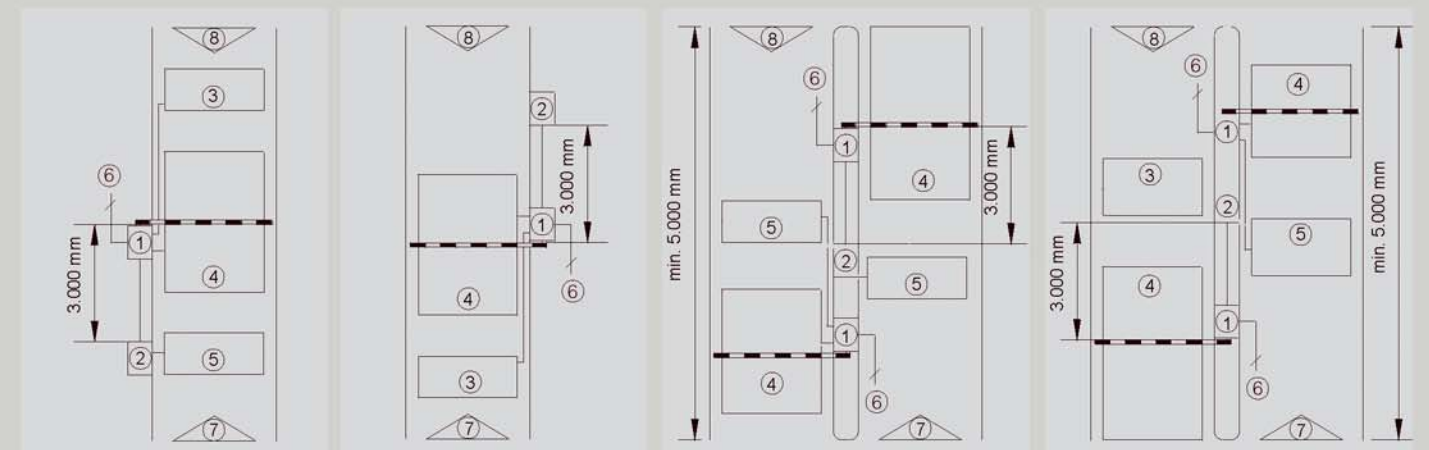
Automatic entrance with an opening loop. Exit controls e.g. with tokens. Safety of vehicles under the boom and closing of the barrier with induction loop.

Variant 3

Access control e.g. with a key switch, when a vehicle is on the loop. Safety of vehicles under the boom and closing of the barrier with induction loops.

Variant 4

Access control e.g. with a key switch, when a vehicle is on the loop. Automatic exit with an opening loop. Safety of vehicles under the boom and closing of the barrier with induction loops.



1 Barrier 2 Access control devices 3 Opening loop 4 Safety/closing loop 5 Presence loop 6 Mains supply 7 Entrance 8 Exit

Aluminium pillars and housings

Pillars with lockable, removable front panels

- 1 Photoelectric barrier - pillar 1
- 2 Photoelectric barrier - pillar 2
- 3 Pillar for cars 1
- 3a Pillar for cars/transporters
- 4 Pillar for cars 2

Housing with hinged hoods and removable mounting panels

- 5 Housing for cars - small
- 6 Housing for cars - large
- 7 Housing for transporters/minibuses
- 8 Housing for cars/trucks

No.	Examples for use	Size (w x l x h) mm	Assembly dimensions (w x l x h) mm	Ground plate mm	Installing through ...	Weight kg
1	1 Photoelectric barrier	80x100x550	75x80x220	160x140	Removable, lockable front panel	2.5
2	2 Photoelectric barriers	80x100x1,100	75x80x220	160x140	Removable, lockable front panel	4.7
3	Key switch, magnetic card reader	80x100x1,100	75x80x220	160x140	Removable, lockable front panel	4.7
3a	2 Key switches, 2 magnetic card readers	80x100x1,850	top: 75x80x220 bottom: 75x70x160	180x200	Removable, lockable front panel	7.0
4	Card readers, code switches	145x145x1,100	125x130x220	220x220	Removable, lockable front panel	7.0
5	Various access control systems, intercom systems	350x300x1,100	330x250x195	Internal mounting panel incl. drilling template	Lockable access panel, hinged hood	20.0
6	Various access control systems, intercom systems	400x450x1,220	490x400x265	Internal mounting panel incl. drilling template	Lockable access panel, hinged hood	28.5
7	Various access control systems, intercom systems	350x300x1,850	330x250x195	Internal mounting panel incl. drilling template	Lockable access panel, hinged hood	28.0
8	Various access control systems, intercom systems	350x300x2,250	top: 330x250x195 bottom: 340x220x220	Internal mounting panel incl. drilling template	Lockable access panel, hinged hood	30.5

Colours: Hood blue (RAL 5012) Housing white (RAL 9010) - RAL 10 - RAL custom colours on request (add)



Manual barriers EH 25L to EH 75L up to 7,500mm effective boom length



Barrier stand made of galvanised steel, RAL 3002

Automatic blocking through catch-bolt, when barrier open and closed

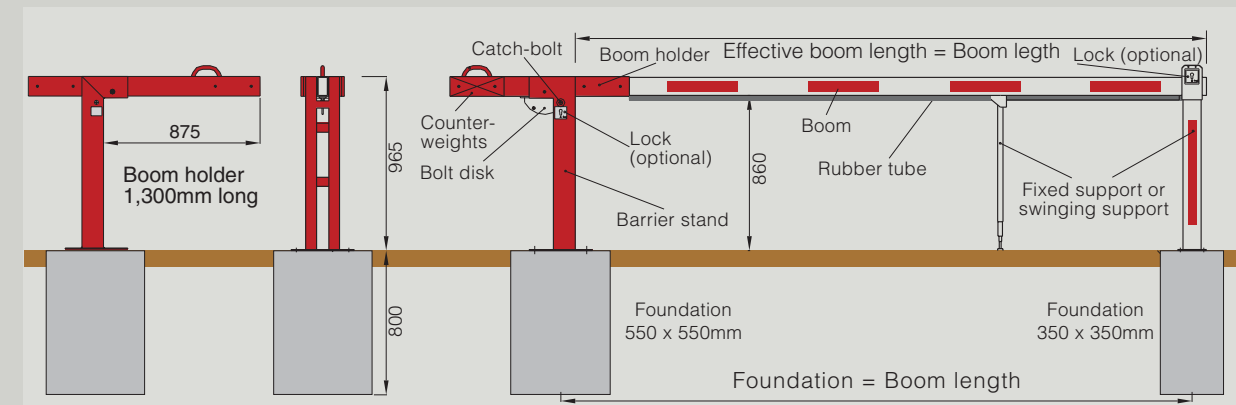
Usage left/right

Ideal working characteristics due to polymer bearings and counterweights

Best possible vandalism protection

Type	Boom length/profile	Effective boom length
EH 25L	up to 2,500 x 100 x 50mm	up to 2,500mm
EH 30L	up to 3,000 x 100 x 50mm	up to 3,000mm
EH 35L	up to 3,500 x 100 x 50mm	up to 3,500mm
EH 40L	up to 4,000 x 100 x 50mm	up to 4,000mm
EH 45L	up to 4,500 x 100 x 50mm	up to 4,500mm
EH 50L	up to 5,000 x 100 x 50mm	up to 5,000mm
EH 55L	up to 5,500 x 100 x 50mm	up to 5,500mm
EH 60L	up to 6,000 x 100 x 50mm	up to 6,000mm
EH 65L	up to 6,500 x 100 x 50mm	up to 6,500mm
EH 70L	up to 7,000 x 100 x 50mm	up to 7,000mm
EH 75L	up to 7,500 x 100 x 50mm	up to 7,500mm

More information in the table on pages 22 and 23.



Stability through stabilisation rope for 5,500mm boom length and larger



Bolt for padlock -one side- at the fixed support (optional)



Cylinder lock at the barrier stand (optional)



Fire emergency release at the barrier stand (optional)



Cylinder lock at the fixed support (optional)



Fire emergency release at the fixed support (optional)

Table electromechanical barriers

Technical Data	ES 25HS	ES 25	ES 30HS	ES 30	ES 40	ES 40S	ES 50	ES 50S	ES 60	ES 80	KOLOSS 60	KOLOSS 90	KOLOSS 120	MAUT 25	MAUT 30	MAUT 35		
Application	for vehicle traffic only			with safety devices also for pedestrian-traffic according to DIN 12445 and 12453		for vehicle traffic only	wie ES 60	for vehicle traffic only	with safety devices also for pedestrian-traffic according to DIN 12445 and 12453		for vehicle traffic only							
Duty cycle	100%								100%									
Running time (approx.)	0.9s	1.4s	1.4s	2.3s	3.2s	3.2s	4.0s	4.0s	5.5s	8.5s	6.0s	9.0s	12.0s	0.6s	0.9s	1.4s		
Boom length (mm)	2,500	2,500	3,000	3,000	4,000	4,000	5,000	5,000	6,000	8,000	6,000	9,000	12,000	2,500	3,000	3,500		
Effective boom length max. (mm)	2,280	2,280	2,780	2,780	3,780	3,780	5,140	5,140	6,140	8,140	6,000	9,000	12,000	2,260	2,760	3,260		
Boom dimensions h/w (mm)	100 x 25	100 x 25	100 x 25	100 x 25	100 x 25	100 x 25	100 x 50	100 x 50	138 x 60	138 x 60	170 x 140	170 x 140	170 x 140	Ø 60	Ø 60	Ø 60		
Boom weight (kg)	4.0	4.0	4.7	4.7	6.0	6.0	10.0	10.0	16.5	23.0	27.0	58.0	71.5	2.0	2.3	2.6		
Round boom for vehicle traffic only	Ø 60mm, optional						Ø 100mm, optional				no			supplied with Ø 60mm				
Swinging support (for vehicle traffic only) or fixed support	no				optional		required				optional	required			no			
Articulated boom (for vehicle traffic only) optional	yes								no									
Hanging skirt 75, optional	no						yes						no					
Hanging skirt 150, optional	no								max. 4,500mm long	max. 6,000mm long						no		
Top and bottom skirt 150, optional	no								max. 4,500mm long	max. 6,000mm long						no		
Housing	aluminium, powder coated RAL 5012/ 9010, all RAL-colours optional								aluminium, powder coated RAL 5012/ 9010, all RAL-colours optional									
Housing dimensions w x l x h (mm)	300 x 350 x 1,100						450 x 400 x 1,100				720 x 656 x 1,250			300 x 350 x 1,100				
Foundation (mm) on site, frost-free	550 x 500						600 x 650				1,200 x 1,200			550 x 500				
Barrier weight approx. (kg)	48	48	48	48	48	50	110	110	115	118	415	430	465	47.5	47.5	47.5		
Controller	MO 63								MO 63				frequency converter					
Reversing on obstacle	yes								yes				no					
Socket for loop detector	1-channel plus 2-channel, 3 loops connectable								1-channel plus 2-channel, 3 loops connectable								1-channel	
LED boom lighting with toggle switch, integrated into the boom, optional	green = boom is up, red = boom is down or moving, or constant red (not for round boom)								no									
Mains supply	230V/50Hz								230V/50Hz				230V/50Hz					
Drawn power	0.37kW	0.37kW	0.37kW	0.25kW	0.26kW	0.26kW	0.26kW	0.37kW	0.25kW	0.26kW	0.55kW	0.55kW	1.10kW	0.37kW	0.37kW	0.37kW		
Max. current	2.5A	2.5A	2.5A	2.5A	3.1A	3.1A	2.5A	2.5A	2.5A	3.1A	7.0A	7.0A	10.0A	2.5A	2.5A	2.5A		
Drilling template	yes								yes				yes					

We reserve the right to make alternations

Table manual barriers

Technical Data	EH 25L	EH 30L	EH 35L	EH 40L	EH 45L	EH 50L	EH 55L	EH 60L	EH 65L	EH 70L	EH 75L
Effective boom length (mm)	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000	6,500	7,000	7,500
Boom dimensions (mm)	100 x 50	100 x 50	100 x 50	100 x 50	100 x 50	100 x 50	100 x 50	100 x 50	100 x 50	100 x 50	100 x 50
Boom weight (kg)	5.3	6.4	7.4	8.4	9.5	10.5	16.6	17.6	18.7	19.7	20.7
Stabilisation rope	no						yes				
Swinging support fixed support	optional				required						
Counterweights (quantity)	0	2	2	2	4	6	12	14	16	18	20

We reserve the right to make alternations