

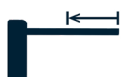
## ELKA BARRIER SYSTEMS

### Series TOLL



ELKA barriers of the series „TOLL“ are designed for toll stations. Short running times starting at approx. 0.3 seconds ensure an optimal traffic flow. Perfect running performance, achieved by electronic speed control and optimized mechanics, protect motor and gear. An efficient drive concept with a powerful 24V BLDC-motor and robust components ensure intensive operation with 100% duty cycle.

ELKA offers a selection of 3 barrier types of this series with different effective boom lengths and running times as well as suitable accessories for different purposes, e.g. 24V loading module and automatic opening in case of power failure.



Shortening of the barrier boom to the required length is free of charge



Optionally available in all RAL custom colours

### Operation of legal and standard-compliant barriers

ELKA barriers of the series TOLL are offered in two versions - EU and UL version, according to the requirements of the European Union and North America (USA, Canada).

For the EU version there is a declaration of conformity according to the machine directive and a TÜV certification according to the European standards. For the North American and Canadian market ELKA complies with the corresponding UL and CSA standards. Certification is carried out by the internationally active company Intertek, which carries out quarterly inspections on production site at ELKA in Tönning, Germany.

ELKA creates the prerequisite that operators and commissioning engineers are always on the safe side when it comes to questions of liability.



## Technology in detail

- **Housing hood**  
simple removal,  
without tools

- **Robust mechanics**  
for intensive operation with  
100% duty cycle, with vandalism  
protection

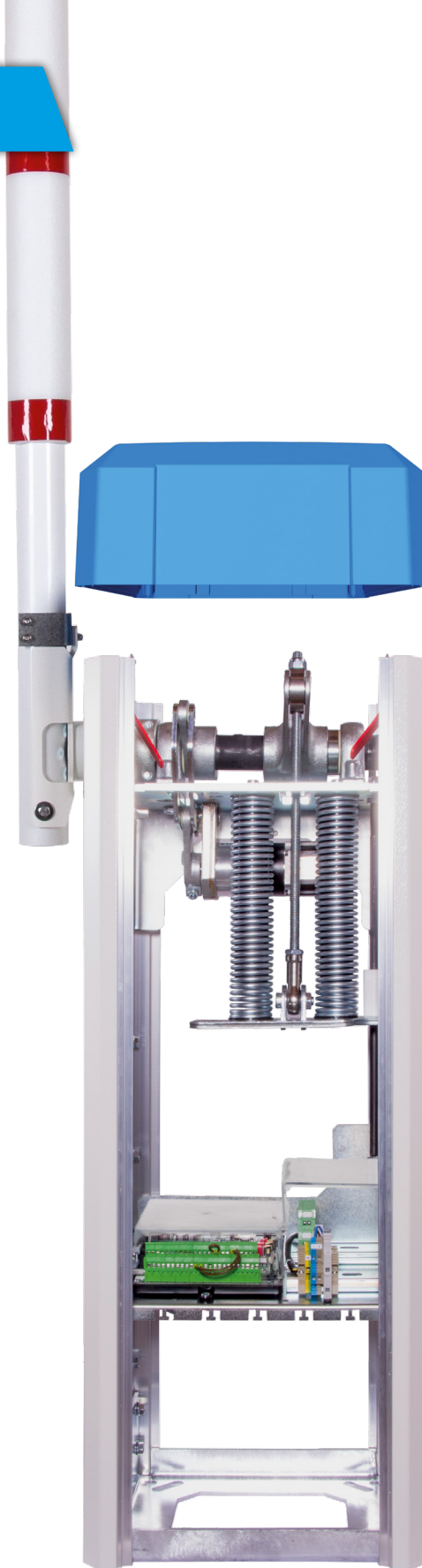
- **Cable bushing**  
comfortable - plenty of room

- **24V BLDC motor / gear**  
multistage planetary gear,  
powerful and energy-saving

- **Controller**  
electronic speed control

- **Top-hat rail**  
space for additional installations

- **Spring assembly**  
for balanced barrier  
movements



- **Barrier boom made of aluminium**  
round barrier boom with soft protect,  
left / right usable, pre-assembled

- **Optimal traffic flow**  
short running times starting at  
approx. 0.3 seconds

- **Clip-out function**  
folding the barrier boom to the  
side (up to 90°)

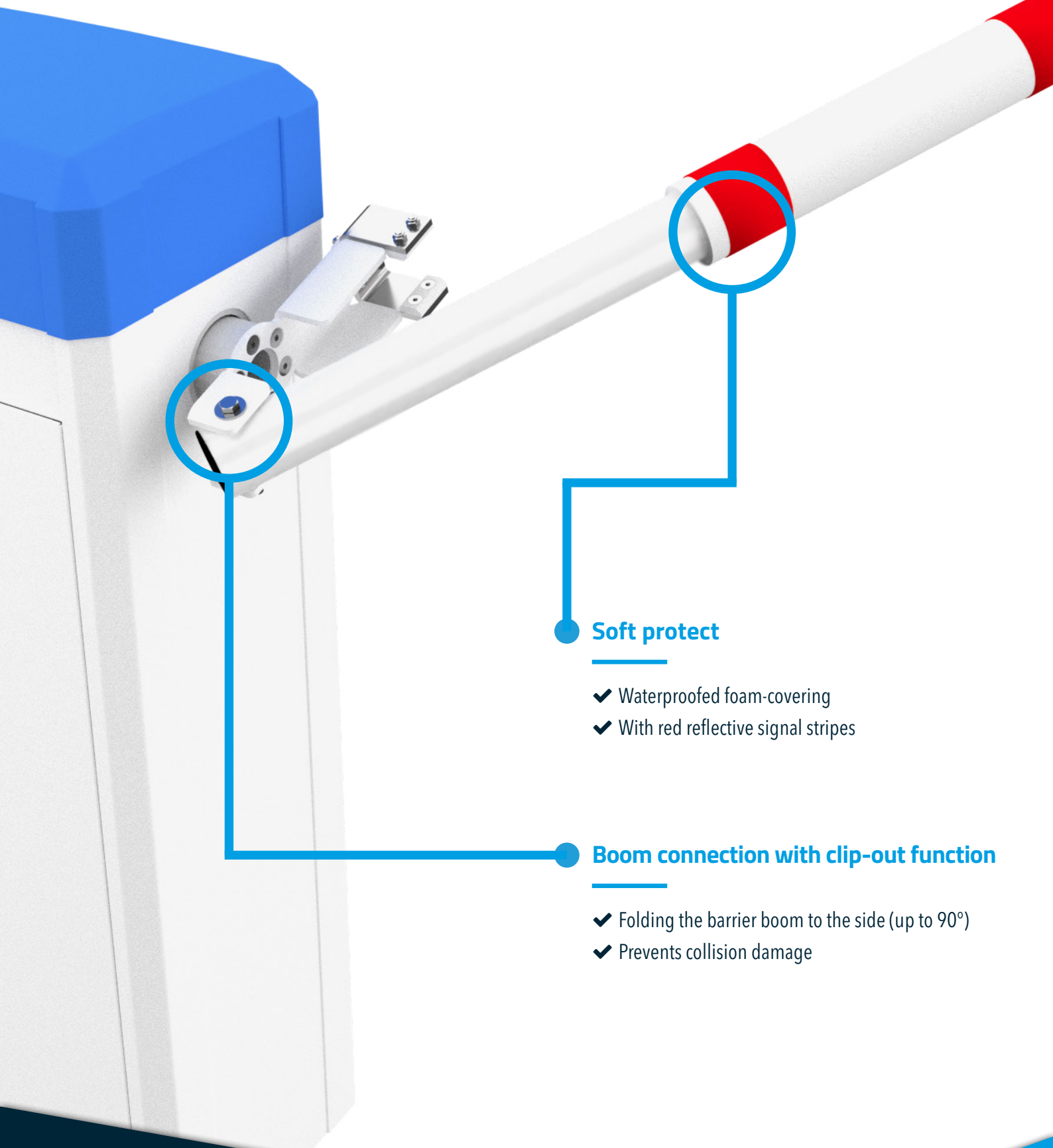
- **Comfortable service**  
service switch deactivates all external  
operating commands

- **Terminal row**  
professional connection of  
accessories

- **Wide-range power supply**  
IP68, high efficiency ratio

- **Barrier housing**  
made of aluminium, powder-coated,  
IP 54, with patent pending clamping  
technology

## Round barrier boom



### Soft protect

- ✓ Waterproofed foam-covering
- ✓ With red reflective signal stripes

### Boom connection with clip-out function

- ✓ Folding the barrier boom to the side (up to 90°)
- ✓ Prevents collision damage

## ELKA ECON APP



### App for programming and controlling of ELKA barriers

Programming, operation and control of ELKA barriers with controller MO 24 and MO 64 „Plus“ - comfortable via mobile phone, tablet or PC. Only usable in combination with the ELKA ECON BOX.

#### Quick set-up

Simple project management, barrier configurations can be set and saved, backup of all settings

#### Professional maintenance

Analysing of the induction loops, error memory, service- and diagnostic report, diagnosis of all inputs and outputs of the controller

#### Comfortable

Notification and control of events in case of a status change, user management, 365-day-timer, differential counter

## Access control devices



#### Dektop panels

Single, double, triple or quadruple keyboard, with illuminated keys, OPEN / CLOSE / STOP / ON-OFF

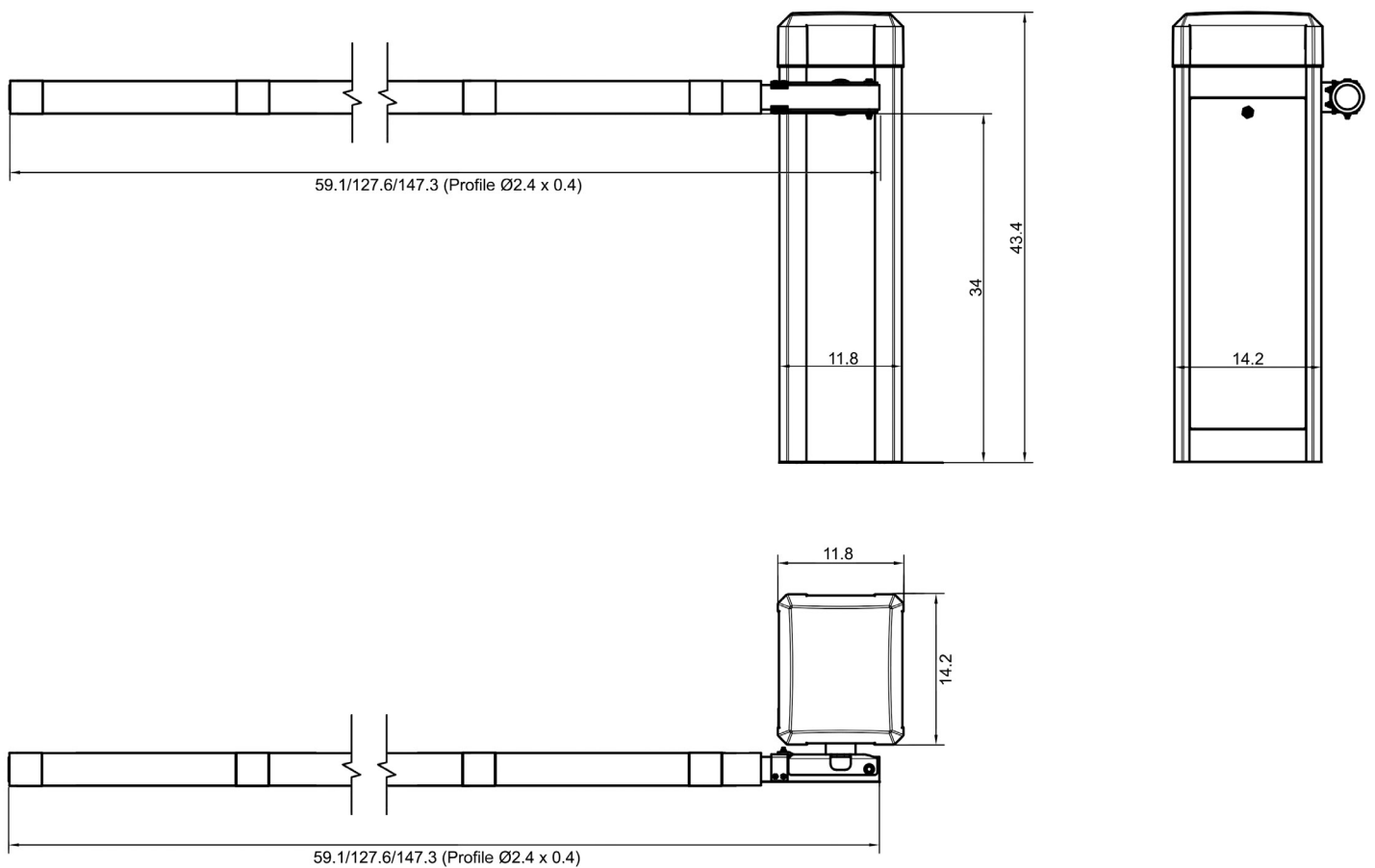


#### Switches

Flush or surface mounting, key switches including key, code switches with foil keypad or stainless steel keypad

# Technical data

Type	T 1500	T 3000	T 3500
Housing dimensions (w/d/h) (in)	14.2x 11.8 x 43.4		
Boom length (in)	59.1	127.6	147.3
Effective boom length approx. (in)	49.6	118.1	137.8
Running time approx. (s)	0.3	0.6 / 0.9	0.9 / 1.3
Duty cycle	100%		
Temperature range	-4°F up to +122°F		
Degree of protection	IP54		
Supply voltage	100V - 240V, 50Hz - 60Hz		
Current consumption	max. 1.4A (230VAC) / max. 2.8A (115VAC)		
Weight without boom approx. (lb)	123.5	127.9	127.9
Boom weight approx. (lb)	2.9	5.8	6.6



# Equipment

Standard equipment	T 1500	T 3000	T 3500
Standard colours	Housing white / RAL 9010, housing hood blue / RAL 5012		
Boom connector	Round boom connector, left / right usable		
Boom dimensions h/w (mm)	Round barrier boom with soft protect, $\varnothing$ 2.4in		
Controller	MO 24 with 4x7-segment-display		
Power reversal	connectable		
Terminal row	prewired		
1-channel loop detector	3 integrated		
Multifunctional relay	6 integrated (e.g. for traffic lights, etc.)		
Electronic speed control	yes		
Dead man's mode	yes		
Antenna connection	yes		

Special equipment	T 1500	T 3000	T 3500
Articulation kit	no		
Fixed and swinging support	no		
Contact „boom missing“	optional		
Custom colours	optionally available in all RAL custom colours (extra charge)		
Photoelectric barrier	optional		
Laser scanner	optional, free-standing installation or mounting on the barrier housing		
24V loading module	optional, uninterrupted barrier operation in case of a power failure (on-site batteries required)		
Automatic OPENING	optional		
Radio remote control receiver	socket available		
Weekly timer / yearly timer	optional		
TCP-IP-module	optional (socket available)		
Multifunctional relay	optional module with: 4 additional multifunctional relays (AMR4) / 8 additional multifunctional relays (AMR8)		

# ELKA TORANTRIEBE

Partner with competence



ELKA is a German manufacturer of gate openers and barrier systems of high quality with an experience of more than 40 years. We place a great value on high quality components, easy installation and customerfriendly service. Our products are developed and assembled in Germany and are subject to strict quality controls.

„Partner with competence“ - the management as well as the employees feel committed to this philosophy. We supply products to over 80 countries worldwide and support our customers in three languages. Technically trained specialists and engineers respond to individual customer requirements. Fast order processing, short delivery times and adherence to deadlines are a matter of course for us.

You can find more information on our website: [www.elka.eu](http://www.elka.eu)

✓ **Competent customer service**

✓ **Quality „Made in Germany“**

✓ **Prompt handling and reliability**

## Inhouse-Seminars

Gate openers- and barrier seminar with expert certificate. According to legal regulations, power-operated gate and barrier systems must be checked at least once a year. Only experts with a valid certificate are authorized to carry out the inspection and documentation. ELKA supports its partners in this and offers further training in its own premises in Tönning, Germany.

The ELKA team is looking forward to your questions and registrations: [akademie@elka.eu](mailto:akademie@elka.eu)



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