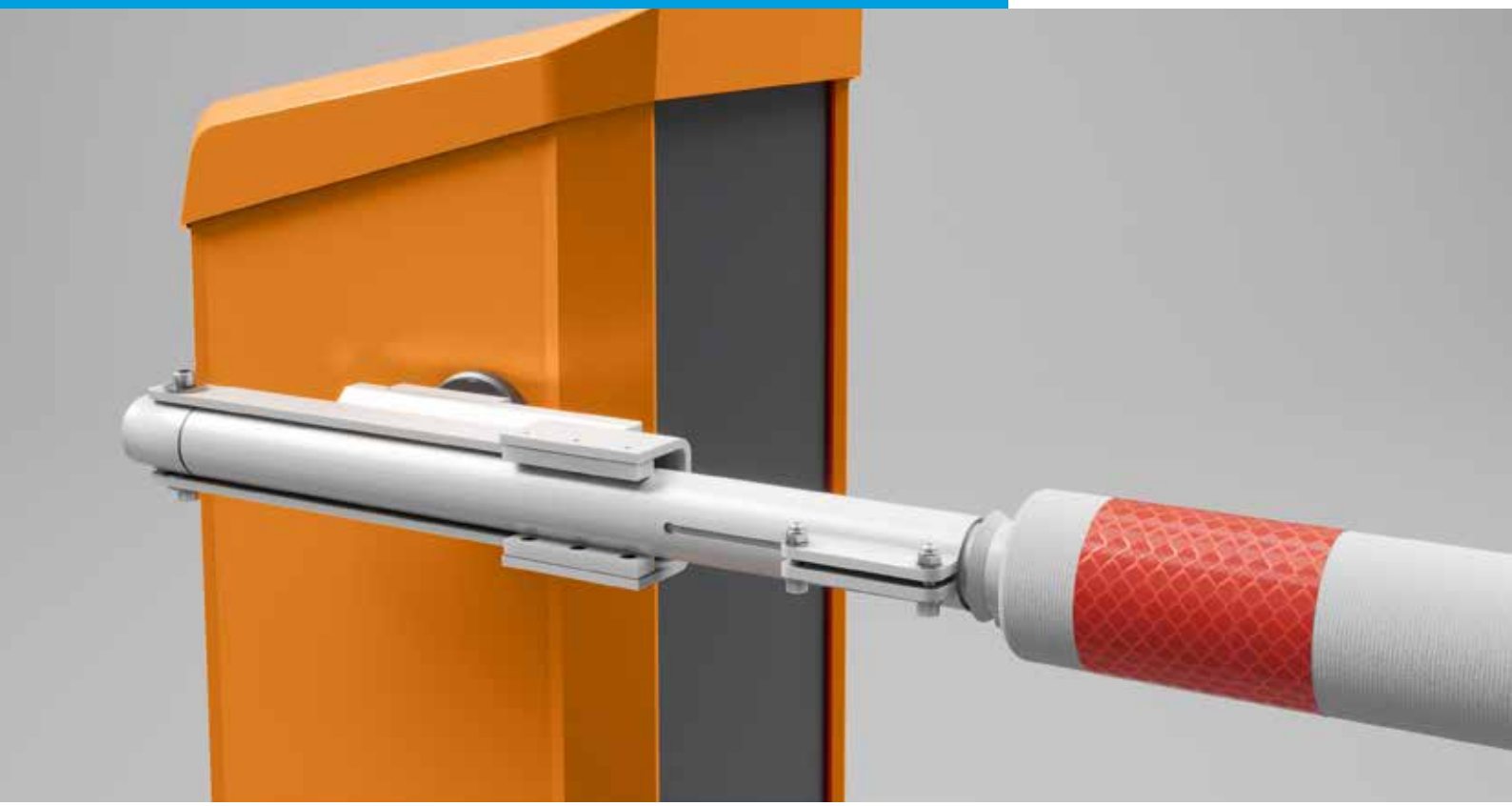
FLSAMB

Swing-away flange for toll barriers



For the protection of barrier and barrier boom

In toll applications, collisions between vehicles and barrier booms occur frequently; at the same time, permanent operational readiness of the barriers is sought at toll stations. With the swing-away flange, damage to the barrier boom and barrier can be reliably prevented and downtimes significantly reduced.

In the event of a collision, the barrier boom is disengaged and swings out to the side, being held at the rear end of the barrier boom by a pivot shaft.

It can then be re-engaged by hand without impairing its function.

When using a swing-away flange, it is also advisable to install a boom contact. It checks the presence of the barrier boom without contact and moves the barrier slowly into the open position after the boom has been disengaged by a vehicle, thus ensuring that the boom is swung completely out of the traffic lane. After the barrier boom has been manually latched into the flange, the barrier goes into operation again immediately or after an enable signal, depending on the set parameters.

Technical data	FLSAMB
Maximum barrier boom length	3.5 m (maximum boom length additionally dependent on barrier type)
Can be used in conjunction with	boom contact
Cannot be used in conjunction with	LED light strips Single LED lights
Suitable for barrier type	Toll Toll Pro Toll Pro 2 Toll HighSpeed Toll HighSpeed 2

Effective collision protection

The smarter one will give way: the swing-away flange protects the entire barrier system if a vehicle collides with the barrier boom.

Damage to the boom and barrier housing is thus effectively prevented.

High operational readiness

After a collision, the barrier boom can be easily re-engaged by an employee without impairing its function. This reduces downtimes to a minimum.

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Swing-away flange for toll barriers

- Protects barrier and boom when a vehicles collides with the barrier boom
- High operational readiness through simple manual re-engagement of the barrier boom in the flange
- Boom contact (optional) reports a released boom and swings the boom completely out of the traffic lane.
- For MicroBoom barrier booms with lengths up to 3.5 m (depending on barrier type)

Swing-away flanges can be used with the following barrier booms:

Item number	Description
MicroBoom-T barrier booms	
MicroBoom-T030	Round boom for swing-away flange, diameter 75 mm, barrier width 3.0 m
FLSAMBT	Swing-away flange for MicroBoom-T round boom
MicroBoom-S barrier booms	
MicroBoom-S025	Octagonal boom for swing-away flange, 2.5 m barrier width, including edge protection
MicroBoom-S030	Octagonal boom for swing-away flange, 3.0 m barrier width, including edge protection
FLSAMBS	Swing-away flange for MicroBoom-S octagonal boom
MicroBoom-AT barrier booms	
MicroBoom-AT015	Round boom with aluminium core and foam cover, diameter approx. 80 mm, barrier width 1.5 m[1]
MicroBoom-AT030	Round boom with aluminium core and foam cover, diameter approx. 80 mm, barrier width 3.0 m[1]
FLSAMBXT	Swing-away flange for MicroBoom-AT round boom
Boom contact	
BAK01	Boom contact

[1] No individual shortening possible.

How the swing-away flange works

Collision with a vehicle

The swing-away flange gives way and allows the barrier boom to disengage.

Re-engagement of the boom

The barrier boom is manually engaged. Depending on the set parameters, the barrier is then ready for operation again immediately or after an enable signal.

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