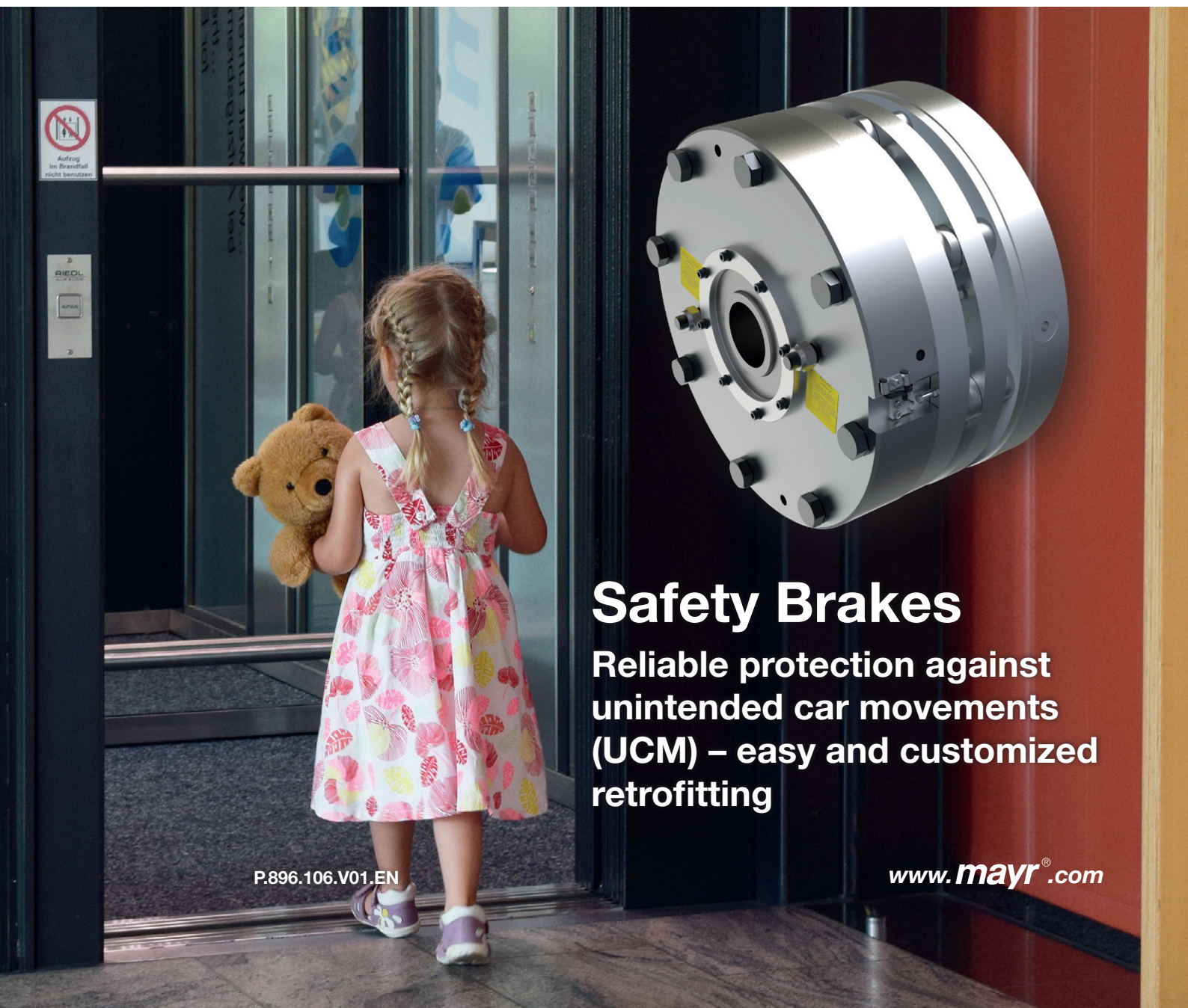




your reliable partner

Safety Update for Elevators



Safety Brakes

Reliable protection against unintended car movements (UCM) – easy and customized retrofitting

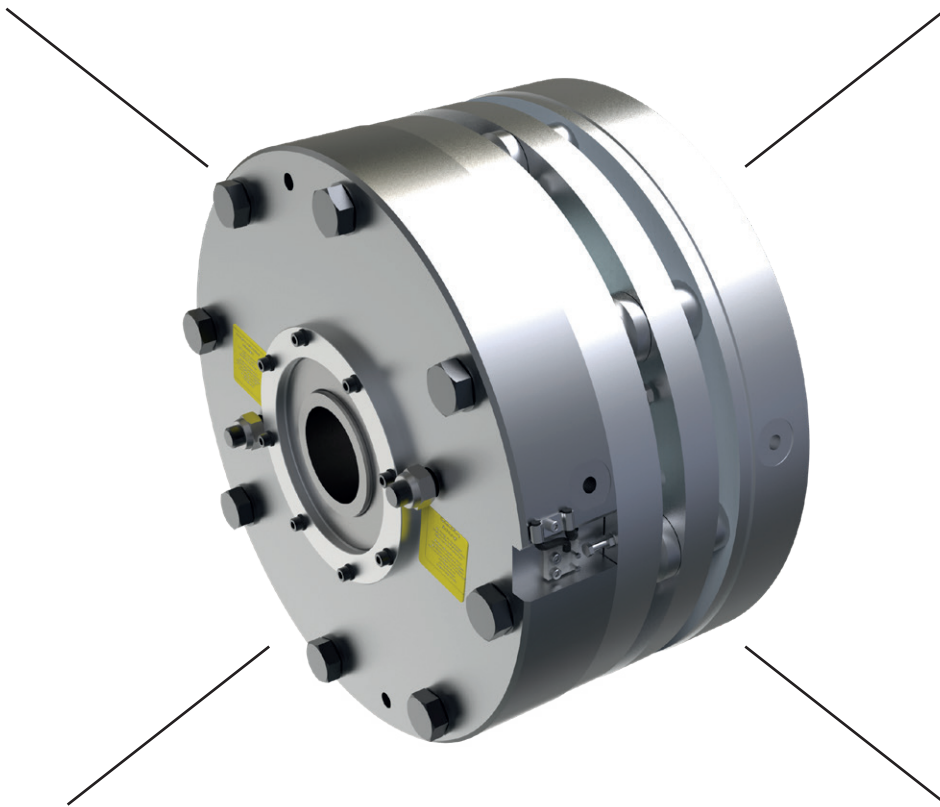
ROBA-stop[®]-silenzio[®] "bearing-supported design/UCM solution" Easy and customized retrofitting of elevator systems

Safety update for elevators according to EN 81-20/50

- Reliable protection against unintended car movements (UCM)
- Protection device against overspeed for the elevator cage moving in an upwards direction
- For retrofitting as well as for new systems

User and installation friendly: Plug-and-play solution

- A self-contained, pre-set and ready-to-install system
- No on-site adjustments and no re-adjustments during operation necessary.
- Operating and adjustment errors are ruled out, thus the highest possible safety is guaranteed and malfunctions are ruled out



Safety does not allow for compromises

- Safety brakes close every time the drive stops
- Safe stop accurate to the millimeter on every floor
- In the event of failure of the gearbox, the service brake or the shaft of the traction sheave, the retrofitted additional brake holds the car reliably in position.

Intelligent design and careful final inspection

- Safety due to the fail-safe principle
- Compact dimensions
- Maintenance-free over the entire service lifetime of the friction linings
- Noise emissions well below 65 dB(A) due to special age-resistant noise dampening system



Figure source: Rudolf Fuka GmbH

General Technical Data: Single Rotor, Type 896.106.31

Size	300	500	800	1300	1800
Braking torque min.	225 Nm	380 Nm	600 Nm	980 Nm	1350 Nm
Braking torque max.	360 Nm	600 Nm	1000 Nm	1560 Nm	2150 Nm
Nominal voltage:	104 V	104 V	104 V	104 V	104 V
Coil power (at nominal voltage)	83 W	88 W	103 W	125 W	138 W
Overexcitation voltage	207 V	207 V	207 V	207 V	207 V
Coil power (at overexcitation voltage)	332 W	349 W	412 W	500 W	552 W
Overexcitation time	1.2 s	1.2 s	1.2 s	1.2 s	1.2 s
Max. trigger speed	800 rpm	730 rpm	650 rpm	580 rpm	500 rpm
Duty cycle with 180 switchings/h	max. 60 %	max. 60 %	max. 60 %	max. 60 %	max. 60 %

General Technical Data, Double Rotor, Type 896.216.31

Size	300	500	800	1300	1800	1800 (thick)
Braking torque min.	450 Nm	760 Nm	1200 Nm	1960 Nm	2700 Nm	3900 Nm
Braking torque max.	720 Nm	1200 Nm	2200 Nm	3120 Nm	4300 Nm	5500 Nm
Nominal voltage:	104 V	104 V	104 V	104 V	104 V	104 V
Coil power (at nominal voltage)	83 W	88 W	103 W	125 W	138 W	160 W
Overexcitation voltage	207 V	207 V	207 V	207 V	207 V	207 V
Coil power (at overexcitation voltage)	332 W	349 W	412 W	500 W	552 W	633 W
Overexcitation time	1.2 s	1.2 s	1.2 s	1.2 s	1.2 s	1.2 s
Max. trigger speed	800 rpm	730 rpm	650 rpm	580 rpm	500 rpm	200 rpm
Duty cycle with 180 switchings/h	max. 60 %	max. 60 %	max. 60 %	max. 60 %	max. 60 %	max. 60 %

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