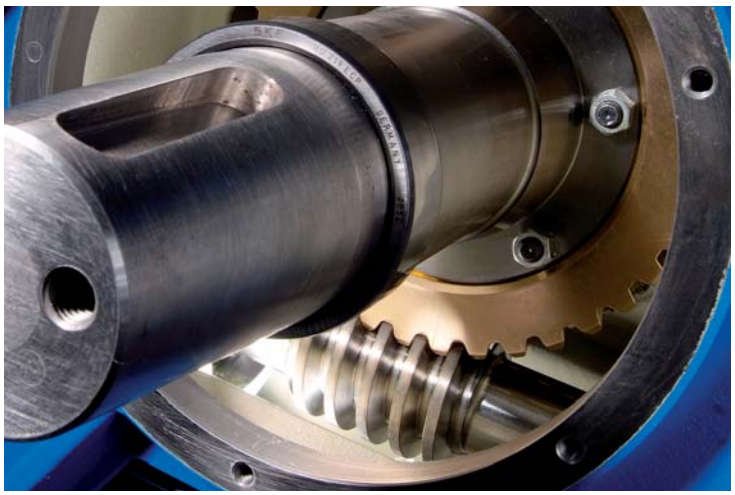


SLC PRODUCT RANGE

AT A GLANCE

WWW.SLC-LIFTCO.COM

SLC

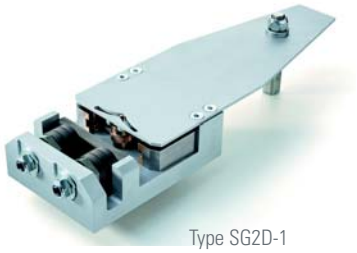
Sautter Lift Components

SAFETY GEARS TYPE BF, SG + RF

FEATURES

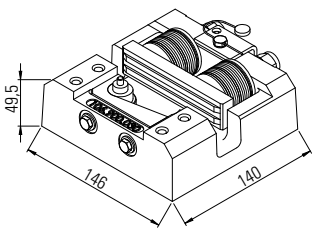
PROGRESSIVE SAFETY GEAR TYPE SG
(single/bi-directional)

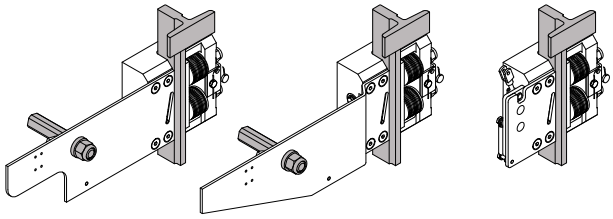
Total mass (min.-max.)	300 - 3,090 kg
Max. tripping speed	3.23 m/s
Min. running surface width	19 mm
Blade width	5 - 16 mm



Type SG2D-1

- Very small, compact dimensions
- Minimal space required between guide rail head and frame assembly
- Variable tripping devices: numerous standard solutions for tripping enable the assembly of the SG safety gear in each lift facility or lifting device





Tripping devices of SG1D-1

Certified acc. to A3

FEATURES

PROGRESSIVE SAFETY GEAR TYPE BF*
(single/bi-directional)

Total mass (min.-max.)	530 - 12,040 kg
Tripping speed	2.16 - 3.23 m/s
Min. running surface width	20 mm
Blade width	9 - 16 mm

Type BF2D-1/BF1D-1

- Extendable as modular system with one standardised mounting dimension
- Distance plates under brake shoe allow fine adjustment on-site
- Extremely high wear resistance by sintered brake shoes made of hard metal
- Easy releasing of safety gear by excentric arrangement of braking device
- Flexible tripping device available
- Numerous accessories and spare parts

Type RF0002

FEATURES

INSTANTANEOUS SAFETY GEAR TYPE RF
(single directional)

Total mass (min.-max.)	1,740 - 8,890 kg
Tripping speed	1.00 m/s
Min. running surface width	28 mm
Blade width	16 bzw. 9 - 10 mm

COMPACT, POWERFUL, FLEXIBLE

*SLC is authorised exclusively to produce the Haushahn safety gear type BF

EN81-1/2 A3: COMPLETE SOLUTION

FEATURES

Complete system as protection device against unintended car movement

DETECTION	Electronic monitoring unit		
TRIPPING	Overspeed governor		
BRAKING	SLC Safety gears		
Type	BF2D-1*	BF2D-2*	SG2D-1
Max. braking force	41,330 N	63,042 N	45,363 N
Max. total mass	2,633 kg	4,016 kg	2,889 kg
Max. speed (UCM)	2.2 m/s	2.2 m/s	2.2 m/s

* Tandem and Triple versions for higher loads also possible

- SLC delivers a complete system:
  detection, tripping, braking device, governor rope, tension weight, emergency power supply, all required cables, electrical adaption to existing lift controller incl. circuit diagram
- All components are harmonized and certificated individually
- Assembly in any lift controller possible
- The system even detects traction loss!
- In addition a signal is given to incremental shaft copying

A3: Complete system
up to 12t

COMPLETE, HARMONIZED, COMPREHENSIVE

SAFETY BRAKE TYPE BF INTEGRALE

FEATURES

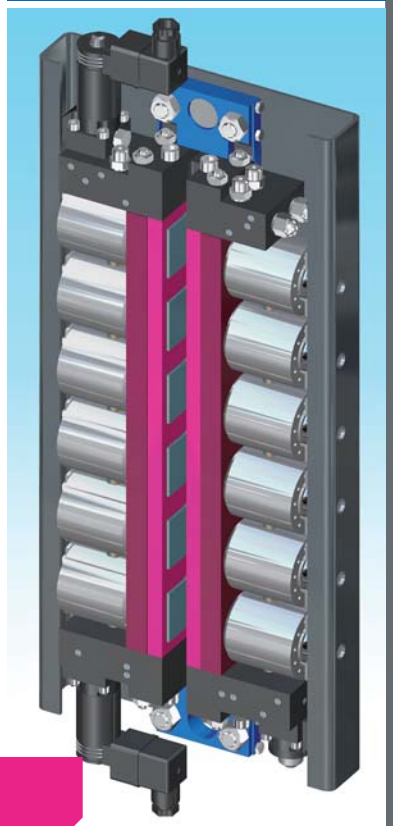
BF INTEGRALE
Safety brake and brake system with electrical actuation

Tripping	Electrical signal (PESSRAL-application)
Braking	Disk springs
Opening	Hydraulic, 12V operation
Application range	Payload up to 1,000 kg Rated speed up to 1.6 m/s

- Very short reaction time, because electrical tripping is carried out by reliable speed control and/or acceleration control
- Overspeed governor as well as tripping device and connection rod are not required
- Automatic control of deceleration adapts braking force to loading of car, no jumping of counterweight possible
- Prevents unintended car movements (EN81-1/2:1998 + A3:2009)
- Modular construction for miscellaneous total loads (F+Q)
- Compact integration in the car frame, allows reduced pit depth and reduced shaft headroom

* EC-type examination and start of sale in 2012

PESSRAL-brake



COMPACT, FAST, INNOVATIVE

CAR FRAME TYPE CF

FEATURES

CAR FRAME TYPE CF

Rated load CF sm (sheet metal construction)	630 - 1,600 kg
Rated load CF hrp (hot-rolled-profile construction)	2,500 - 10,000 kg
Car speed	up to 1.6 m/s
Pit depth	< 500 mm
Min. height of shaft headroom	2,750 mm (1.0 m/s) resp. 3,000 mm (1.6 m/s)

- For all lifts according to EN 81
- Weight- and space-saving construction for passenger and goods lift without machine room as well as conventional drive concepts with machine room
- Small dead load allows extra weight for cabin equipement
- Particularly easy to install (‚one-man installation') by modular construction
- Height of car frame adjustable by a total of 1000 mm in steps of 50 mm
- Width of car frame variable
- Special solutions for reduced pit depth and reduced shaft headroom

MODULAR, LIGHTWEIGHT, EASY TO INSTALL

OVERSPEED GOVERNOR

FEATURES

OVERSPEED GOVERNOR	HJ 200	HJ 250	HJ 300	GB 260
Diameter	200 mm	250 mm	300 mm	310 mm
Max. rated speed	1.60 m/s	1.20 m/s	2.00 m/s	6.96 m/s
Max. tripping speed	2.02 m/s	1.60 m/s	2.50 m/s	8.00 m/s
Min. tripping speed	0.24 m/s	0.50 m/s	0.40 m/s	1.38 m/s
Rope diameter	6 - 6.5 mm	6 - 8 mm	6 - 8 mm	6 - 8 mm

- Compact dimensions, wide range of application
- Hardened groove and maintenance free ball-bearing
- Fast response characteristics, min. 6 arrest positions
- Numerous accessories (also for retrofitting)
- Different options for tension weight
- Complete delivery by SLC incl. rope and safety gear

SMALL, MODULAR, SMOOTH-RUNNING

LIFT WITHOUT COUNTERWEIGHT TYPE SDD

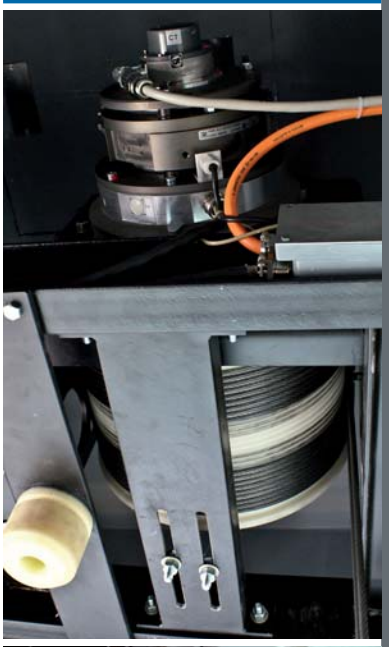
FEATURES

SAUTTER DRUM DRIVER
Lift without counterweight with drum drive

Suspension	2:1 (optional 1:1)
Total mass Q+P	1,750 kg (2:1), 875 kg (1:1)
Max. travel height FH	up to 22 m (2:1), 40 m (1:1)
Rated speed	0.63 m/s
Car height outside	variable
Car width inside and door dimensions	variable
Min. pit depth	160 mm

- Complete shaft can be used for the car, no counterweight required
- Ideal solution for retrofitting of existing buildings and modernisation of lift facilities
- Very easy to install
- Traction drive lift without machine room, with innovative technology:
  - High efficient servo drive
  - Effective frequency inverter without contactors
  - Safety gears compact, reliable and powerful
  - Low noise overspeed governor
- Car equipment according to customers requirements
- Drum drive mounted in headroom or on top of car
- No need for additional installations in shaft headroom, motor frame is completely carried by guide rails

ENERGY-EFFICIENT



ENERGY EFFICIENCY

MEASURES I FEATURES

SAUTTER DRUM DRIVER
with energy saving measures

Compensation weight	› Extremly flat compensation weight, assembly in any position of the shaft possible › Compensation up to 80% of car weight › Reduced connection power and energy consumption
Energy saving levels of frequency inverter	› Energy saving level S1 - Reduction of standby loss (< 20W) - < 40% of class A acc. to standard VDI 4707-1: standby energy
	› Energy saving level S2 - Power off - Max. 20 starts/h (= 3 min) with fast restart (< 5 s)
Energy recovery	› Energy recovery dimensioned for 30 - 40% › Supply to national grid is prevented by limited recovery › Marginal loss, low cost

COMPACT, INNOVATIVE, FLEXIBLE

GEAR MACHINES TYPE SWG

FEATURES

GEAR MACHINES TYPE SWGX, SWG 0-3	Suspension 1:1	Suspension 2:1
Rated speed v (one speed VVVF)	0.63 - 2.4 m/s	0.3 - 1.6 m/s
Rated speed v (dual-speed)	0.63 - 1.0 m/s	0.3 - 0.8 m/s
SWGX* payload Q	up to 450 kg	up to 800 kg
SWG0 payload Q	up to 630 kg	up to 1000 kg
SWG1 payload Q	up to 1000 kg	up to 2000 kg
SWG2 payload Q	up to 1600 kg	up to 3500 kg
SWG3 payload Q	up to 2500 kg	up to 5000 kg

- Tuned drive system from one source, Made in Germany: high quality gear box, special lift motor, thru-bore encoder, safety brake and frequency inverter with accessories
- High running-smoothness, low maintenance
- Motor one speed VVVF or dual-speed AC2
- Numerous accessories
- Forged main shafts made of high-tensile alloy steel

* Start of sale beginning of 2012

With new safety brake

SOLID, RELIABLE, SMOOTH-RUNNING

LIFT DOORS TYPE LOGOS

FEATURES

CAR AND LANDING DOORS TYPE LOGOS	
Door width min. - max.	700 - 2000 mm
Door height min. - max.	2000 - 2500 mm
Fire protection according to DIN 18091	F 90
Fire protection according to EN 81-58	E 120, EW 60, EI 60

- Compact construction
- Emergency unlocking in door frame
- Electrogalvanised, powder-coated, plated with stainless steel or made of glass
- Patented double door leafs ensure stability and smoothness
- Linear door drive for high closing and opening speed
- For new installations and modernisation
- Versions 2-parts (telescope or central), 3-parts, 4-parts, 6-parts

COMPACT, FAST, INSENSIBLE

FREQUENCY INVERTER TYPE UNIDRIVE SP

FEATURES

UNIDRIVE SP (size 1-6)

Drive rated power	4.0 - 110.0 kW
Drive rated current	9.5 - 210.0 A
Drive max. current	16.6 - 315.0 A
Puls frequency	6.0 - 16.0 Hz
Max. output voltage	380 - 480 V 3-ph (limited by input voltage)
Input voltage	380 - 480 Vac 3-ph, 50 - 60 Hz

- For all electricity networks, all power ranges, all motors
- Open for all types of lift control
- SLC setup-menu:
  - Simplified operation (less than 50 parameters)
  - Text indicator with help function
  - Sequence of parameters in accordance to setup procedure
- Certified solution without motor contactors
- Energy saving levels S1 and S2
- Energy recovering with efficiency option

SLC is authorised Drive Partner of CT

CONTROL TECHNIQUES

Efficiency Option

UNIVERSAL CONTROL

LIFT CONTROL SLCon.next

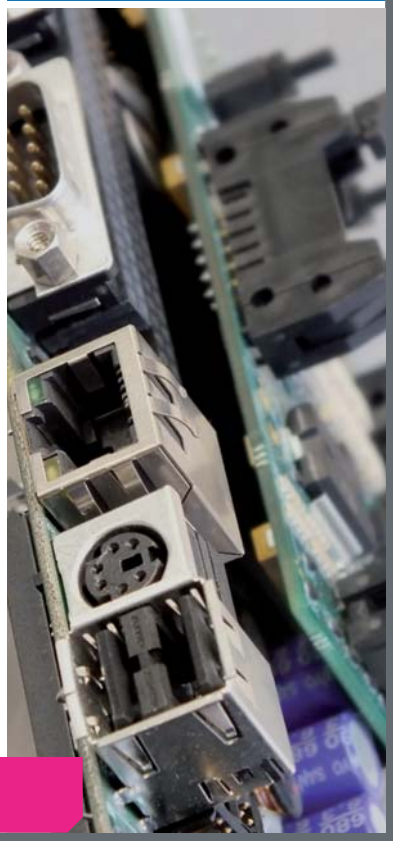
FEATURES

LIFT CONTROL SLCon.next

Hardware	Standard Industrial PC
Operating system	Windows CE, embedded
Fieldbus	EtherCAT
Interface management	XML-Technology

- Standardized Hardware is exchangeable and scaleable
- International popular operating system allows use of an unlimited diversity of interface drivers
- Powerful hardware in connection with EtherCAT-Bus enables real-time communication between all components of the electrical equipment
- XML description of complete topology of the lift provides contineous process optimization, saves cost and time during final test, assembly, commissioning and maintenance of lift device
- SLC VisuLift for visualization, diagnostic and online support (connection to all control systems possible!)

Next Generation



MODULAR, SCALEABLE, CENTRAL

SLC IN STUTTGART

The success of SLC Sautter Lift Components is based on our comprehensive knowledge of the complexity of lift systems in total.

With support of our experienced colleagues, working on lift construction for many years, we are able to offer practical solutions for mechanical and electrical components. Our solutions are easy to handle, both during installation as well as maintenance and service.

SLC offer components, solutions for modernization and complete lifts, certificated according to DIN EN ISO 9001:2008 as well as to the Lifts Directive 95/16/EG, Annex XIII.

TÜVRheinland® CERT ISO 9001

SLC
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