Progressive safety gear SG braking downwards

Safety gear
SG1D-1
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1. Safety instructions

This product information refers to the progressive safety gear type SG1D-1 braking downwards and contains important information on correct and safe installation, putting into service, use and maintenance of the safety gear. Observing these instructions helps to avoid danger, to reduce repair costs and downtimes and to increase the reliability and life of the safety gear.

The product information has to be supplemented by instructions based on national rules and regulations concerning accident prevention.

The product information must always be available wherever the safety gear is in use. The manual must be read and applied by any person in charge of carrying out work with and on the safety gear.

In addition to the product information and to the mandatory rules and regulations for accident prevention in the country and place of use of the safety gear the generally recognized technical rules for safe and proper working must also be observed.

1.1 Designations and signs

The following designations and signs are used in this product information to designate instructions of particular importance:

**DANGER**

In this manual refers to the risk of death, heavy injuries and extensive damage if the required prevention measures are not taken.

**WARNING**

In this manual refers to light injuries or damage if the required prevention measures are not taken.

**IMPORTANT**

In this manual refers to important information about the product or is meant to attract the readers’ attention to important parts of the product information.

1.2 Principle / intended use of the safety gear

The safety gear has been built in accordance with current standards and the recognized safety rules. Nevertheless, its use may constitute a risk to life and limb of the user or cause damage to the safety gear and to other material property.

The safety gear must be operated in technically perfect condition only, in accordance with its intended use and with the instructions set out in this product information. Any functional disorders, especially those affecting the safety of the safety gear should therefore be rectified immediately!

The safety gear SG braking downwards is designed exclusively for preventing the fall of the lift car (see EN81-20:2014-11, chapter 5.6.2:1 and EN81-1/2:1998 +A3: 2009, chapter 9.8)

Using the safety gear for purposes other than those mentioned above is considered contrary to its designated use. The manufacturer cannot be held liable for any damage resulting from such use. The risk of any misuse lies entirely with the user.

Operating the safety gear within the limits of its designated use also involves observing the instructions set out in this manual and complying with the inspection and maintenance directives.
Never make any modifications, additions or conversions that might affect safety without the supplier’s approval!

Spare parts must comply with the technical requirements specified by the manufacturer. Spare parts from original equipment manufacturers can be relied to do so.

Adhere to prescribed intervals for routine checks and inspections!

For the execution of maintenance work tools and workshop equipment adapted to the task on hand are absolutely indispensable.

1.3 Selection and qualification of personnel / basic responsibilities

Any work on and with the safety gear must be executed by reliable personnel only. Statutory minimum age limits must be observed!

Employ only trained and instructed staff and set out clearly the individual responsibilities of the personnel for operation, set-up, maintenance and repair!

Make sure that only authorized personnel works on or with the safety gear!

1.4 Safety instructions governing assembly and specific operational phases

**Assembly**

Always wear personal protective equipment during assembly work.

**Standard Operation**

Avoid any operational mode that might be prejudicial to safety!

Take the necessary precautions to ensure that the safety gear is used only when in a safe and reliable state!

**Maintenance**

Ensure that the maintenance area is adequately secured!

For carrying out overhead assembly work always use specially designed or otherwise safety-oriented ladders and working platforms. Wear a safety harness when carrying out maintenance work at greater heights!

Before cleaning with water or detergents cover or tape up all openings which - for safety and functional reasons - must be protected against water or detergent penetration.

After cleaning remove all covers and tapes applied for that purpose!

Always tighten any screwed connections that have been loosened during maintenance and repair!

Ensure that all consumables and replaced parts are disposed safely and with minimum environmental impact!

**Gas, Dust, Steam, Smoke**

Carry out welding or grinding work on the safety gear only if this has been expressly authorized, as there may be a risk of explosion and fire!

Before carrying out welding or grinding operation, clean the safety gear and its surroundings from dust and other inflammable substances and make sure that the premises are adequately ventilated (risk of explosion)! When there is little space for working observe the national rules and regulations!

**Oil, Grease etc.**

When handling oil, grease and other chemical substances, observe the product-related safety regulations!

Be careful when handling hot consumables (risk of burning or scalding)!
2. General notes

2.1 Designation

SG.. - . Safety Gear
1D braking in 1 Direction ↓
2D braking in 2 Directions ↑↓ (see manual 300.000.155)
- 1 Type 1

Example: SG1D-1 = Safety gear SG braking downwards, type 1

2.2 Criteria for the selection of safety gears

<table>
<thead>
<tr>
<th>Rail head width</th>
<th>Load of safety operation P+Q</th>
<th>Counterweight mass</th>
<th>Car speed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Guide rail → machined → dry oiled
drawn → dry oiled

2.3 EC type-examination certificate

Certification number of the EC type-examination certificate:

<table>
<thead>
<tr>
<th>Type</th>
<th>Certification no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SG1D-1</td>
<td>EC-SG 802</td>
</tr>
</tbody>
</table>

Please note:
Type-examination certificates according to 95/16/EC can be downloaded at SLC homepage: http://www.slc-liftco.com/en/12/downloads.html

2.4 Manufacturer of the safety gear

Manufacturer of the safety gear and holder of the type-examination certificate:

SLC Sautter Lift Components GmbH & Co. KG
Borsigstraße 26
70469 Stuttgart I Germany
3. Technical Data

Range of application

<table>
<thead>
<tr>
<th></th>
<th>Machined rails</th>
<th>Drawn rails</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>dry</td>
<td>oiled¹</td>
</tr>
<tr>
<td>SG1D-1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Min. width of running</td>
<td>19 mm</td>
<td></td>
</tr>
<tr>
<td>surface</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rail head width</td>
<td>5 – 16 mm</td>
<td></td>
</tr>
<tr>
<td>Max. rated speed [m/s]</td>
<td>3.23</td>
<td>3.23</td>
</tr>
<tr>
<td>Total mass min.-max. [kg]</td>
<td>543 – 3’095</td>
<td>523 – 2’935</td>
</tr>
</tbody>
</table>

Maximum tripping speed of the overspeed governor and range of maximum rated speed:

|                         | 3.23           | 2.50 – 2.80 |
| Max. tripping speed [m/s]|                |             |
| Max. rated speed [m/s]   | 3.23           |             |

3.1 Tripping

Below the minimum tripping force (without tripping device) required to trip the safety gear:

<table>
<thead>
<tr>
<th>Type</th>
<th>Braking downwards</th>
</tr>
</thead>
<tbody>
<tr>
<td>SG1D-1</td>
<td>120 N</td>
</tr>
</tbody>
</table>

The maximum admissible tripping force required at the safety gear shall not exceed 1600 N.
The individually needed tripping force has to be ascertained at the lift, considering all components.
Standard EN81-20:2014-11 rules that for the tripping of safety gears twice the required tripping force has to be available – at least 300 N!

¹ the indications for oiled guide rail refer to use of mineral oils without additive
(for example lubricant C according to DIN 51517, Part 1).
3.2 State of delivery

The safety gear is adjusted in the factory to the following lift specific characteristics:

- Mass of lift car (P)
- Mass of payload (Q)
- Mass of compensation ropes
- Rated speed of the lift car
- Rail head width (5 – 16 mm)
- Manufacturing mode of rails (machined, drawn)
- Surface condition of rails (dry, oiled)

The setting is secured against alterations by the manufacturer by means of a seal.

**DANGER**

Wrong setting of the safety gear can result in falling-down of the lift.

The safety gear is adjusted by the manufacturer. As the deceleration depends on different, partially lift-specific factors (material of guide rail, surface hardness of the rail, ...) a precise pre-adjustment cannot be guaranteed.

If a setting correction is exceptionally required, the setting has to be carried out only by specially trained personnel after consultation with the manufacturer. The new setting has to be secured against unauthorized alterations by means of a seal.

**WARNING**

The manufacturer cannot be held liable for damages caused by unauthorized setting alterations.

**ACHTUNG**

**WARNING**

Before installing the safety gear on the lift car its type plate characteristics have to be compared with the lift characteristics. The type plate is mounted on the safety gear.

The safety gear must only be applied within the permission scope of application: see EC type-examination certificate “Scope of application”, certificate no. see chapter 2.3.

**IMPORTANT**

The safety gear is set at work according to values specified in the order form for safety gears to obtain the required braking force.

The order form can be downloaded on the homepage of SLC
4. Mounting and dimensions

<table>
<thead>
<tr>
<th>Type</th>
<th>Weight (Pair)</th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>SG1D-1</td>
<td>18 kg</td>
<td>144 mm</td>
<td>417 mm</td>
<td>55 mm</td>
</tr>
</tbody>
</table>

SG1D-1

*When brake is activated, the measure increases by approximately 5 mm.*
SG1D-1 with mounting brackets
5. Specification and function

5.1 Specification of the safety gear

Upon tripping the overspeed governor both levers ⑪ synchronised by the actuating shaft are turned by 15°.

In doing so the safety gear roller ① moved by the lever makes contact with the rail surface. The safety gear roller is pressed into the wedge-shaped gap between rail and roller guide ⑪. Owing to the wedge effect of the roller guide the full floating beared safety gear is moved until the brake shoe ④ rests against the rail ⑪.

The disc spring transmits the braking force to the internal housing. To adapt to different widths of guide blades distance plates of various thickness ⑦ are placed under the disc. The spring pressure is preset and secured by a safety plate ⑥ and a led-sealing to prevent unauthorized adjustment.

In the braking process the brake shoe fixed on the bracket cuts into the rail surface. The braking effect is caused by metal cutting in the rail surface, friction and spring tensioning work.

Moving the lift car upwards releases the brakes and lever and the safety gear rollers return to neutral position.

The safety gear is ready for action again.

**IMPORTANT**

The safety gear transmits the braking force to the car. This braking force must be taken into account in the construction of the interface between safety gear and car.
6. Assembly

6.1 Assembly of the safety gear at the lift car

The safety gear is fixed to the lift car with four screws of type M12 and bushes.
Pay attention to the full floating bearing the safety gear as this is the key to the safety gear sliding into braking position after being tripped by the overspeed governor.

**WARNING**

When the safety gear is in neutral position it can be adjusted using the adjustment mechanism.
The following points must be observed:
The rail running guide must cover the brake shoes completely. The air gap between the rail running surface and the brake shoe must be adjusted to 2 mm.
The safety gear must be installed so that the spring mounted brake shoe is parallel to the rail and in direction of travel.
**WARNING**

Ensure that the mounting screws in the long slots of the external housing have enough play in both directions in neutral positions.

**Correct position of the safety gear**

During assembly the safety gear on the car take care for the correct position of the safety gear.

Firstly there is an advice on the type plate of the safety gear, secondly the following characteristics of the safety gear roller is only given if the safety gear is mounted correctly:

By pulling the lever upwards the gap between safety gear roller and rail gets smaller until the safety gear roller rests against the rail.

**WARNING**

Incorrect installation of the braking device causes a functional disorder of the safety gear.

**Linkage of the braking units**

Both safety gear units are linked with an actuating shaft.

The actuating shaft is fixed to the lever of the safety gear with attachment screws or spring type straight pins. The actuating shaft is connected by mean of two square-type tubes □ 20x20 mm.
7. Commissioning

7.1 Functional check

**WARNING**

Before commissioning the safety gear

- make sure that the overspeed governor works correctly, that the safety gear is attached to the overspeed governor and that the produced tractive force is two times the force required for engaging the safety gear.
- the guide rail must be cleaned of dirt. Most suitable for cleaning is cold solvent.

Before commissioning the lift car

- the lift car must be braked statically:
  - by turning the actuating shaft until both safety gear rollers contact the guide rail as well as letting the car down slowly. It has to be checked if both safety gear rollers move to their working position.
- the lift car must be braked with low speed.
  - It has to be checked if both safety gear rollers move to their working position.

For checking the braking force it is possible to trip the safety gear with rated speed or overspeed.

By pulling out from braking position the lever of the safety gear roller turns back into neutral position.

**WARNING**

The safety gear may be operated only in combination with an overspeed governor.

7.2 Commissioning at the lift

Braking the car in down direction with 125% of payload decelerations of the car must be between 0,2g and 1g (9,81m/s²).

7.3 Acceptance test or commissioning of the lift

**IMPORTANT**

**Engagement test downwards**


7.4 Check after braking

After every braking the safety gear has to be rechecked by a qualified person.

There is to be checked visually whether any changes or dirtying at the braking elements has occurred.

The following points have to be rechecked:

- excessive wear of the brake shoes
- deformations
- smooth running

The rubbed-off particles have to be removed and the braking marks grinded down.

Braking again on a re-grinded braking track is not causing an essential change of the braking force.

**DANGER**

For guide rail lubrication only oil products approved in the type examination certificate shall be used.

Use machine oil of viscosity class ISO 68-150 without extreme pressure additive. See mineral oils without additive (for example lubricant C according to DIN 51517, Part 1.)

Oils for hydraulic aggregates, gears and motors are not suitable for this use.
8. **Content of QR-Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Data field</th>
<th>Type</th>
<th>Length (symbol)</th>
<th>Safety components from other suppliers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Product name</td>
<td>CHAR</td>
<td>40</td>
<td>Product name of safety gear</td>
</tr>
<tr>
<td>2</td>
<td>Release</td>
<td>NUM</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Revision</td>
<td>NUM</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Identification number</td>
<td>CHAR</td>
<td>35</td>
<td>SL product number</td>
</tr>
<tr>
<td>5</td>
<td>Serial number</td>
<td>CHAR</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Batch number</td>
<td>CHAR</td>
<td>10</td>
<td>Only when serial number is not available</td>
</tr>
<tr>
<td>7</td>
<td>Manufacturer name</td>
<td>CHAR</td>
<td>30</td>
<td>Name of manufacturer</td>
</tr>
<tr>
<td>8</td>
<td>Manufacturer postal code</td>
<td>CHAR</td>
<td>10</td>
<td>Postal code of manufacturer</td>
</tr>
<tr>
<td>9</td>
<td>Manufacturer town</td>
<td>CHAR</td>
<td>30</td>
<td>Town of manufacturer</td>
</tr>
<tr>
<td>10</td>
<td>Manufacturer country code</td>
<td>CHAR</td>
<td>5</td>
<td>Two-character country code according to ISO 3166-1</td>
</tr>
<tr>
<td>11</td>
<td>Importer name</td>
<td>CHAR</td>
<td>30</td>
<td>Name of importer</td>
</tr>
<tr>
<td>12</td>
<td>Importer postal code</td>
<td>CHAR</td>
<td>10</td>
<td>Postal code of importer</td>
</tr>
<tr>
<td>13</td>
<td>Importer town</td>
<td>CHAR</td>
<td>30</td>
<td>Town of importer</td>
</tr>
<tr>
<td>14</td>
<td>Importer country code</td>
<td>CHAR</td>
<td>5</td>
<td>Two-character country code according to ISO 3166-1</td>
</tr>
</tbody>
</table>

**Notice:** Data fields without values are marked with "---". If numbers 2 and 3 (approval and revision) are not necessary, fields remain empty.

**Example of QR-code for SG1D-1 safety gear from SLC:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Data field</th>
<th>Text in QR-code</th>
<th>Sample QR-code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Product name</td>
<td>SG1D-1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Release</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Revision</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Identification number</td>
<td>50100505</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Serial number</td>
<td>16/5821</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Batch number</td>
<td>---</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Manufacturer name</td>
<td>SLC Sautter Lift Components GmbH &amp; Co. KG</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Manufacturer postal code</td>
<td></td>
<td>70469</td>
</tr>
<tr>
<td>9</td>
<td>Manufacturer town</td>
<td>Stuttgart</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Manufacturer country code</td>
<td></td>
<td>DE</td>
</tr>
<tr>
<td>11</td>
<td>Importer name</td>
<td>SLS Sassi Lift Systems</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Importer postal code</td>
<td>CM7 2QJ</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Importer town</td>
<td>Braintree</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Importer country code</td>
<td>GB</td>
<td></td>
</tr>
</tbody>
</table>
9. Maintenance

Upon maintenance the safety gear shall be checked for:

- smooth operation
- synchronous operation of the two units
- wear
- rust
- dirt
- sealing

If, after a couple of braking tests, the braking rollers or the safety gear base show signs of wear they are to be replaced by qualified persons.

Material numbers:

- Brake shoe 106.930.288
- Safety gear roller 106.920.120
- Roller guide 106.700.191

10. Transport

Any work upon transport, storage, installation and commissioning as well as (if any) demounting and disposal of a safety gear is to be carried out by qualified persons only.

They shall be responsible for proper assembly, transport and installation, and for putting the safety gear into operational condition. If this is not ensured, the manufacturer shall not be held liable for any damages that might occur.

Upon transport the safety gear must be protected against:

- humidity
- shock
- dirt
- falling-down, etc.

11. Annexe

- EU type-examination certificate EU-SG 802
- Certificate of conformity

IMPORTANT

EU-TYPE EXAMINATION CERTIFICATE
According to Annex IV, Part A of 2014/33/EU Directive

Certificate No.: EU-SG 802

Certification Body of the Notified Body:
TÜV SÜD Industrie Service GmbH
Westendstr. 199
80686 Munich – Germany
Identification No. 0036

Certificate Holder:
SLC Sautter Lift Components GmbH & Co. KG
Borsigstr. 26
70469 Stuttgart – Germany

Manufacturer of the Test Sample:
SLC Sautter Lift Components GmbH & Co. KG
Borsigstr. 26
70469 Stuttgart – Germany

Product: Progressive safety gear

Type: SG1D-1

Directive: 2014/33/EU

Reference Standards:
EN 81-20:2014
EN 81-50:2014

Test report: EU-SG 802 of 2016-07-11

Outcome: The safety component conforms to the essential health and safety requirements of the mentioned Directive as long as the requirements of the annex of this certificate are kept.

Date of Issue: 2016-07-11

Achim Janocha
Certification Body "lifts and cranes"
Annex to the EC Type-Examination Certificate  
No. EU-SG 802 of 2016-07-11

1 Scope of application

1.1 Guide rails to be used

| Minimum running surface width | 19 mm |
| Blade width                  | 5 – 16 mm |

Note:
* Oil according specification of manufacturer

1.2 Permissible total mass of car and rated load in using one pair of safety gear depending on manufacture and condition of guide rail running surface

<table>
<thead>
<tr>
<th>Manufacturing of running surface</th>
<th>Condition guide rail</th>
<th>Total mass [kg] min. – max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>machined</td>
<td>dry</td>
<td>543 – 3095</td>
</tr>
<tr>
<td></td>
<td>oiled*</td>
<td>523 – 2935</td>
</tr>
<tr>
<td>drawn</td>
<td>dry</td>
<td>305 – 2605</td>
</tr>
<tr>
<td></td>
<td>oiled*</td>
<td>299 – 2547</td>
</tr>
</tbody>
</table>

1.3 Maximum tripping speed of overspeed governor and maximum rated speed

| Maximum tripping speed           | 3.23 m/s |
| Range of maximum rated speed     | 2.50 – 2.80 m/s |

2 Terms and Conditions

2.1 The identification drawing SG1D-1 page including stamp dated 2016-07-11 shall be included to the EU type-examination for the identification and information of the general construction and operation and distinctness of the approved type.

2.2 The EU type-examination certificate may only be used in combination with the corresponding annex and enclosure (List of authorized manufacturer of the serial production). The enclosure will be updated immediately after any change by the certification holder.

3 Remarks

3.1 Pursuant to the comment standard EN 81-50, the total mass determined for adjustment purposes may be 7.5 % higher or lower.

3.2 The progressive safety gear can also be used to a counterweight in compliance with the permissible total mass according point 1.2 of this certificate till permissible tripping speed.

3.3 This EU type-examination certificate was issued according to the following standards:
- EN 81-20:2014 (D), part 5.6.2.1.1.2
- EN 81-50:2014 (D), part 5.3

A revision of this EU type-examination certificate is inevitable in case of changes or additions of the above mentioned standards or of changes of state of the art.

Note: The English text is a translation of the German original. In case of any discrepancy, the German version is valid only.
Authorised Manufacturer of Serial Production – Production Sites (valid from: 2016-07-11):

<table>
<thead>
<tr>
<th>Company</th>
<th>SLC Sautter Lift Components GmbH &amp; Co. KG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Borsigstr. 26</td>
</tr>
<tr>
<td></td>
<td>70469 Stuttgart – Germany</td>
</tr>
</tbody>
</table>

- END OF DOCUMENT -
Schienenkopfbreite 5mm - 16mm

Langloch in der Aufnahme zur schwimmenden Lagerung der Fangvorrichtung

Bremsbackenbreite 14,5mm oder 19,5mm

Beispiele für weitere mögliche Auslösegestänge

1. Juli 2016

GEPRÜFT / APPROVED
TÜV SÜD Industrie Service GmbH
Prüflaboratorium für Produkte der Fördertechnik
Westendstraße 199
80689 München
Sachverständiger(s) Expert
EU-Konformitätserkärung I EU declaration of conformity

Der Unterzeichnete Klaus Sautter bestätigt, dass das Bauteil
The undersigned Klaus Sautter confirms that the component

1. Beschreibung I Funktion
Description I Function
Bremsfängvorrichtung
Progressive safety gear

2. Hergestellt von
manufactured by
SLC Sautter Lift Components GmbH & Co. KG
Borsigstraße 26, D-70469 Stuttgart

3. Typ I Type
SG1D-1

4. Seriennummer und Baujahr
Serial number and manufacturing year
siehe Typenschild
visible on type plate

übereinstimmt mit dem geprüften Baumuster (EU-Baumusterprüfbescheinigung), wie in der nachstehenden Übersicht angegeben
is in compliance with the type-tested model (EU-Certificate of type examination) as indicated in the below-mentioned list

Richtlinie I Directive
EN 81-20/50:2014
2014/33/EU

Harmonisierte Normen
EN 81-20/50:2014

Prüfbescheinigung I Type-test certificate
EU-SG 802 vom I of 11.07.2016

Benannte Stelle: Baumusterprüfung
Notified body: type examination
TÜV SÜD Industrie Service GmbH
Westendstraße 199, D-80686 München
(EU-Kennnummer 0036)

Benannte Stelle: Produktionsüberwachung
Notified body: production monitoring
TÜV SÜD Industrie Service GmbH
Westendstraße 199, D-80686 München
(EU-Kennnummer 0036)

Benannte Stelle: Qualitätssicherungssystem
Notified body: quality assurance system
TÜV Rheinland Industrie Service GmbH
Am Grauen Stein, D-51105 Köln
(EU-Kennnummer 0035)

Stuttgart, den 31.08.2016
SLC Sautter Lift Components GmbH & Co. KG

Klaus Sautter
Geschäftsführender Gesellschafter I Managing Partner
**Progressive Safety Gear SG**

**Braking downwards:**
- SG1D-1

**Braking up-/downwards:**
- SG2D-1 Variant 1
- SG2D-1 Variant 2

Please specify additional components and special requests using the field „Miscellaneous“.

### 1. Technical Data

- Rated speed \( v \): ___ m/s
- Payload \( Q \): ___ kg
- Car weight \( P \): ___ kg (incl. cabin weight)
- Compens. rope weight \( CR \): ___ kg
- Mass counterweight \( CTW \): ___ kg
- Width of rail: [ ] 9mm [ ] 16mm [ ] ___ mm (> 5mm and < 16mm)
- Manufacture of rail: [ ] machined [ ] drawn
- Surface of rail: [ ] dry [ ] oiled
- Traverse: [ ] mounting at lower traverse [ ] mounting at upper traverse
- Position of rail: [ ] external [ ] internal

### 2. Options and additional components

- Safety gear shaft straight depth gauge ___ mm
- [ ] 2 mounting brackets with mounting parts
- Neutral position
- Mounting parts
- Mounting sheet thickness: [ ] 5 mm (max. load 1600kg) [ ] 6 mm [ ] 8 mm [ ] 10 mm [ ] ___ mm

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**Formular Inquiry / Order SG**

**SLC Sautter Lift Components GmbH & Co. KG**

Borsigstraße 26
70469 Stuttgart, Germany
Phone: 0711 - 860 62 0
Fax: 0711 - 860 62 501
Email: info@slc-liftco.com

**Customer:**

**Delivery address:**

**Cust. order no:**

**Serial no.:**

**Comm. no.:**

**Processor:**

**Date:**

**Required date:**

**Quantity:**

**Miscellaneous:**

**Quantity:**

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**Publisher:**

**Stand:** 04 vom 24. November 2010