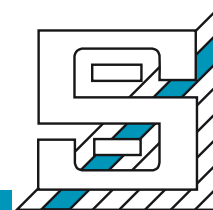
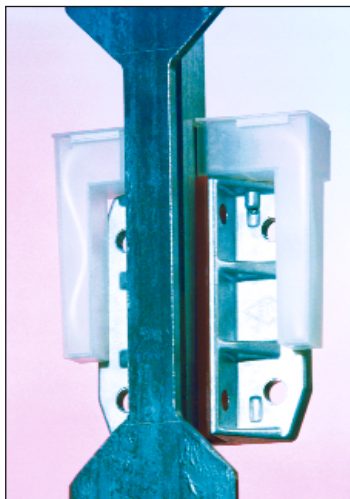


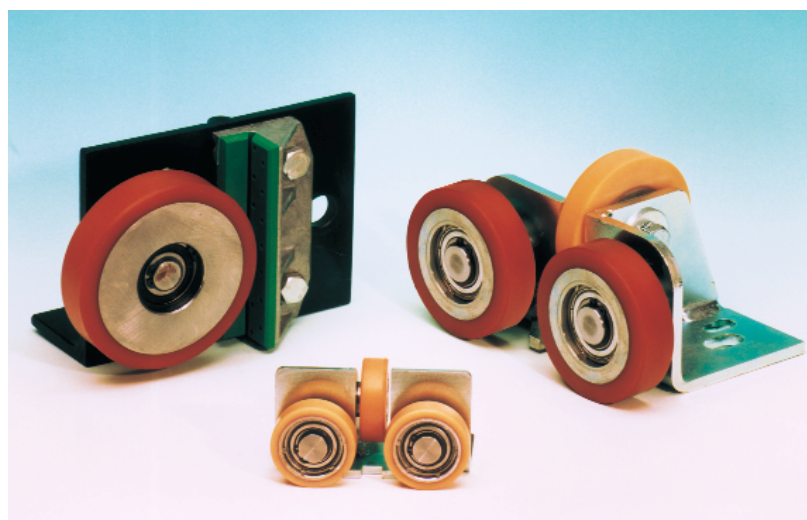
## Lift products



P+S Polyurethan-Elastomere



Guide holder  
Guide holder inserts  
Guide rail lubricator

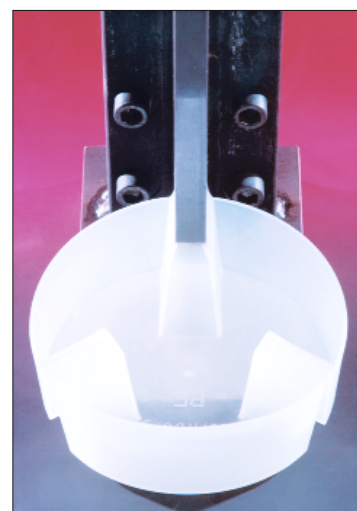


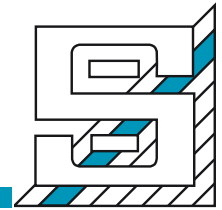
Guide rollers



Guide holder, Guide holder inserts

Oil collecting  
reservoir





## Lift products

### Aluminium Guide holder

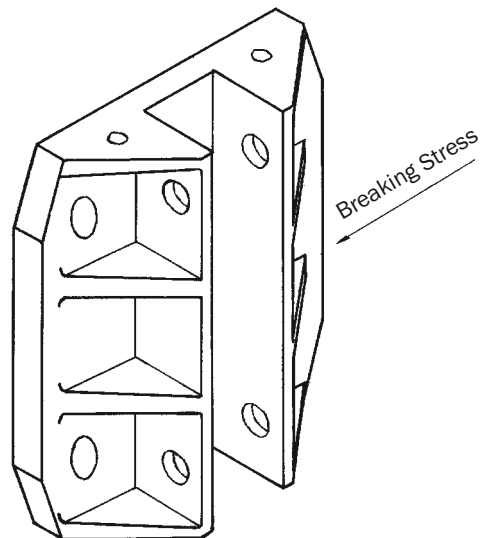
The guide holder is manufactured from a special aluminium alloy. They are distinguished by a purposeful, stable construction as can be seen in the table for the breaking stress loads.

The load values were established in co-operation with an official test centre. The values should be used as an aid to choosing the correct guide holder whilst considering the particular field of application.

A complete guide unit for almost all fields of application is available for each guide holder insert made of polyurethane (PU), polyamide (PA) and polyethylene (PE) as well as a universal sized rail lubricator.

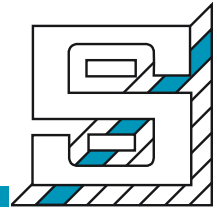
Breaking Stress Loads for Guide Holders

| Size  | Breaking Stress (kN) | Material  |
|-------|----------------------|-----------|
| HSMK  | 10                   | Aluminium |
| WSMK  | 10                   |           |
| HSM   | 40                   |           |
| WSM   | 38                   |           |
| HSML  | 70                   |           |
| WSML  | 55                   |           |
| HSMEL | 200                  |           |
| WSMEL | 200                  | steel     |



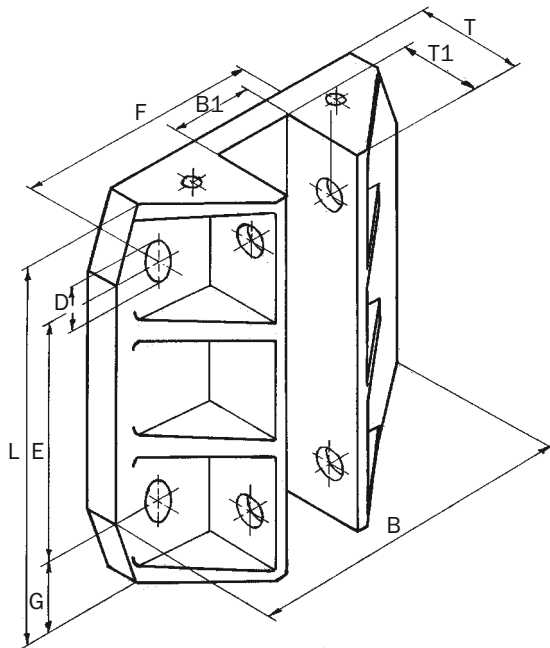
# Lift products

## Aluminium Guide holder

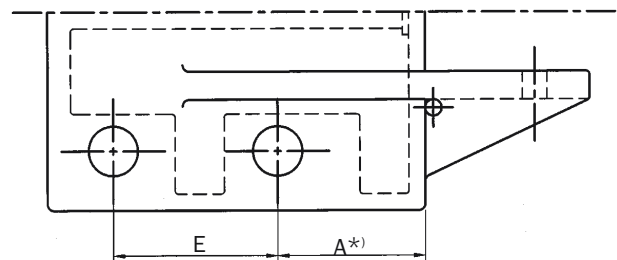
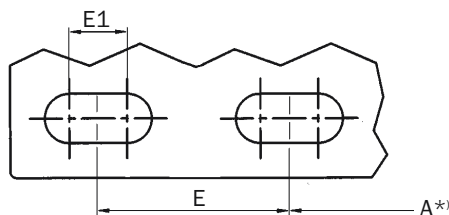
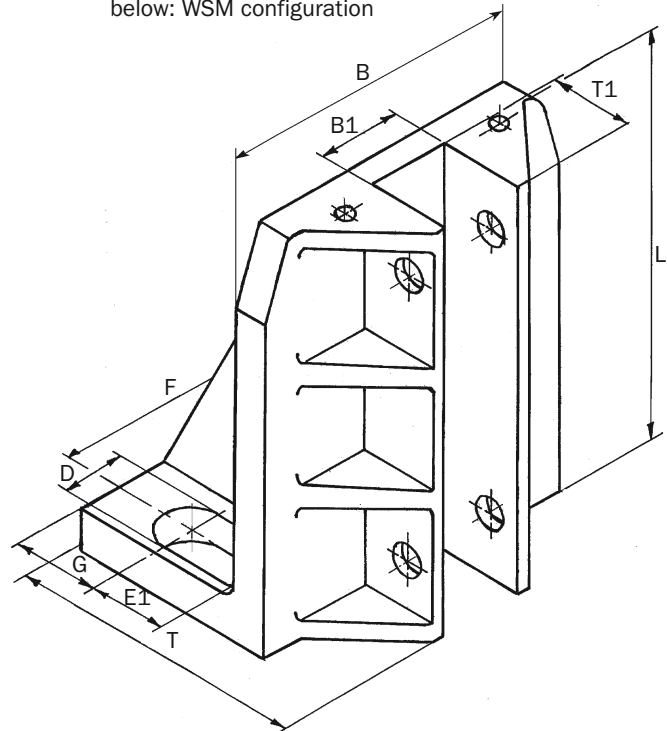


P+S Polyurethan-Elastomere

below: HSM configuration



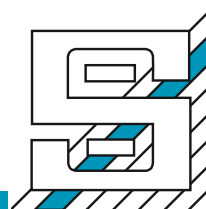
below: WSM configuration



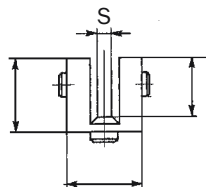
| Item       | Part-No.    | Dimensions (mm) |     |      |     |    |     |      |     |      |      |      | Weight (kg) |
|------------|-------------|-----------------|-----|------|-----|----|-----|------|-----|------|------|------|-------------|
|            |             | L               | B   | B1   | T   | T1 | E   | E1   | F   | G    | D    | A*)  |             |
| HSMK 100   | 780 300 008 | 100             | 75  | 20   | 38  | 30 | 60  | -    | 42  | 20   | 8,5  | -    | 0,16        |
| WSMK 100   | 780 300 001 | 100             | 75  | 20   | 90  | 30 | -   | 14   | 50  | 20,5 | 11   | 32,5 | 0,27        |
| HSM 140    | 780 300 002 | 140             | 120 | 29,5 | 40  | 30 | 88  | -    | 84  | 26   | 12,5 | -    | 0,41        |
| HSMG 140   | 780 300 013 | 140             | 70  | -    | 40  | 30 | 88  | -    | -   | 26   | 12,5 | -    | 0,25        |
| WSM 140    | 780 300 003 | 140             | 120 | 29,5 | 105 | 30 | -   | 12,5 | 84  | 31   | 12,5 | 38,5 | 0,82        |
| WSML 180   | 780 300 004 | 180             | 120 | 36,5 | 65  | 49 | 128 | -    | 84  | 26   | 12,5 | -    | 1,00        |
| WSML 180-A | 780 300 005 | 184             | 120 | 36,5 | 140 | 49 | 34  | 24   | 84  | 22   | 12,5 | 35   | 1,32        |
| WSML 180-B | 780 300 007 | 180             | 120 | 36,5 | 165 | 49 | 50  | -    | 84  | 20   | 12,5 | 45   | 1,52        |
| HSMEL 300  | 780 300 012 | 300             | 150 | 36,5 | 58  | 38 | -   | -    | 100 | 40   | 17   | -    | 6,50        |
| WSMEL 300  | 780 300 006 | 300             | 260 | 36,5 | 252 | 38 | 125 | 5    | 210 | 25   | 17   | 64   | 6,00        |

\*)A: Dimension to the centre of the hole or the centre of the slot

# Lift products



## Polyurethane (PU) and Polyamide (PA) guide holder inserts



### U - Shaped configuration

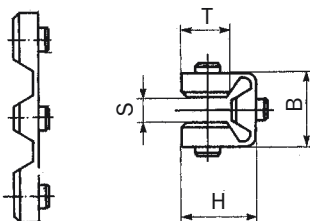
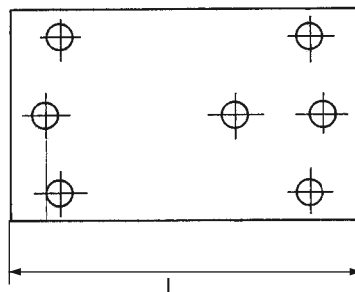
for following sizes

EM 5 • 140 PU

EM 6 • PU

EM 12 • PU

EEL 16 • 300 PU



### Foldable configuration

for all other sizes

shown as  
delivered

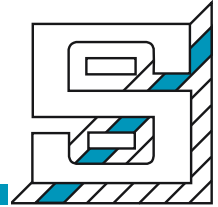
fitted

| Item            | Part-No.    | Dimensions (mm) |      |    |      |      | configuration |
|-----------------|-------------|-----------------|------|----|------|------|---------------|
|                 |             | L               | S    | H  | T    | B    |               |
| EK 5 • 100 PU   | 780 308 001 | 100             | 5,5  | 30 | 25   | 20   | K             |
| EKL 5 • 100 PU  | 780 308 030 | 100             | 5,5  | 30 | 25   | 26,5 | K/ballig      |
| EKL 16 • 100 PU | 780 308 034 | 100             | 16,5 | 30 | 25   | 20   | K/ballig      |
| EK 9 • 100 PU   | 780 308 002 | 100             | 9,5  | 30 | 25   | 20   | K             |
| EM 5 • 140 PU   | 704 593 493 | 140             | 5,5  | 30 | 23,5 | 28,5 | U             |
| EM 6 • 140 PU   | 701 422 493 | 140             | 9,5  | 30 | 23,5 | 28,5 | U             |
| EM 9 • 140 PU   | 780 308 005 | 140             | 9,5  | 30 | 23,5 | 28,5 | K             |
| EM 10 • 140 PU  | 780 308 012 | 140             | 10,5 | 30 | 23,5 | 28,5 | K             |
| EM 12 • 140 PU  | 701 424 493 | 140             | 12,5 | 30 | 23,5 | 28,5 | U             |
| EM 14 • 140 PU  | 780 308 008 | 140             | 14,5 | 30 | 23,5 | 28,5 | K             |
| EM 15 • 140 PU  | 780 308 013 | 140             | 15,5 | 30 | 23,5 | 28,5 | K             |
| EM 16 • 140 PU  | 780 308 009 | 140             | 16,5 | 30 | 23,5 | 28,5 | K             |
| EL 14 • 180 PU  | 780 308 010 | 180             | 14,5 | 50 | 40   | 36,5 | K             |
| EL 16 • 180 PU  | 780 308 011 | 180             | 16,5 | 50 | 40   | 36,5 | K             |
| EEL 16 • 300 PU | 701 593 397 | 300             | 16,5 | 38 | 28   | 36,5 | U             |
| EK 5 • 100 PA   | 780 307 001 | 100             | 5,5  | 30 | 25   | 20   | K             |
| EK 9 • 140 PA   | 780 307 002 | 100             | 9,5  | 30 | 25   | 20   | K             |
| EM 5 • 140 PA   | 780 307 000 | 140             | 5,5  | 30 | 23,5 | 28,5 | K             |
| EM 9 • 140 PA   | 780 307 005 | 140             | 9,5  | 30 | 23,5 | 28,5 | K             |
| EM 10 • 140 PA  | 780 307 012 | 140             | 10,5 | 30 | 23,5 | 28,5 | K             |
| EM 14 • 140 PA  | 780 307 008 | 140             | 14,5 | 30 | 23,5 | 28,5 | K             |
| EM 15 • 140 PA  | 780 307 013 | 140             | 15,5 | 30 | 23,5 | 28,5 | K             |
| EM 16 • 140 PA  | 780 307 009 | 140             | 16,5 | 30 | 23,5 | 28,5 | K             |
| EL 14 • 180 PA  | 780 307 010 | 180             | 14,5 | 50 | 40   | 36,5 | K             |
| EL 16 • 180 PA  | 780 307 011 | 180             | 16,5 | 50 | 40   | 36,5 | K             |

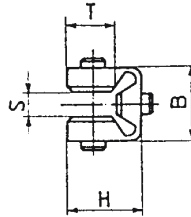
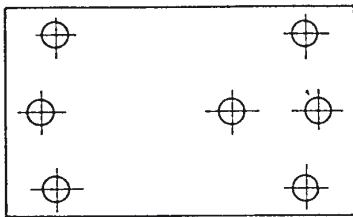
Subject to technical alterations.

For further information, please request relevant technical drawings and data-sheets.

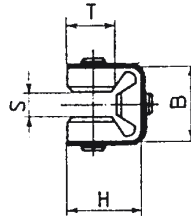
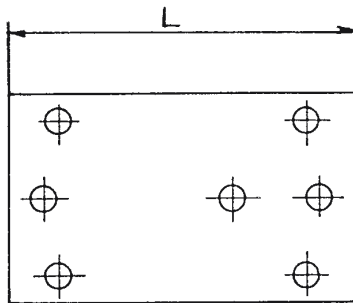
# Lift products



Polyethylene (PE) guide holder inserts and  
Polyamide (PEC) guide holder inserts with a Vulkocell® layer



Foldable configuration



Foldable configuration

shown as  
delivered

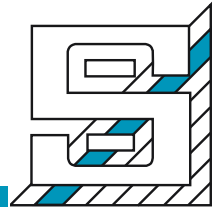
fitted

| Item |              | Part-No.    | Dimensions (mm) |      |    |      |      | configuration |
|------|--------------|-------------|-----------------|------|----|------|------|---------------|
|      |              |             | L               | S    | H  | T    | B    |               |
| EK   | 5 • 100 PE   | 780 309 002 | 100             | 5,5  | 30 | 25   | 20   | K             |
| EK   | 7 • 100 PE   | 780 309 005 | 100             | 7,5  | 30 | 25   | 20   | K             |
| EK   | 9 • 100 PE   | 780 309 024 | 100             | 9,5  | 30 | 25   | 20   | K             |
| EM   | 8 • 140 PE   | 780 309 008 | 140             | 8,5  | 30 | 23,5 | 28,5 | K             |
| EM   | 9 • 140 PE   | 780 309 007 | 140             | 9,5  | 30 | 23,5 | 28,5 | K             |
| EM   | 10 • 140 PE  | 780 309 006 | 140             | 10,5 | 30 | 23,5 | 28,5 | K             |
| EM   | 14 • 140 PE  | 780 309 010 | 140             | 14,5 | 30 | 23,5 | 28,5 | K             |
| EM   | 15 • 140 PE  | 780 309 004 | 140             | 15,5 | 30 | 23,5 | 28,5 | K             |
| EM   | 16 • 140 PE  | 780 309 012 | 140             | 16,5 | 30 | 23,5 | 28,5 | K             |
| EL   | 16 • 180 PE  | 780 309 014 | 180             | 16,5 | 50 | 40   | 36,5 | K             |
| EL   | 19 • 180 PE  | 780 313 023 | 180             | 19,5 | 50 | 40   | 36,5 | K             |
| EEL  | 16 • 300 PE  | 780 313 003 | 300             | 16,5 | 38 | 28   | 36,5 | K             |
| EEL  | 19 • 300 PE  | 780 313 008 | 300             | 19,5 | 38 | 28   | 36,5 | K             |
| EM   | 20 • 300 PE  | 780 313 005 | 300             | 20,5 | 38 | 28   | 36,5 | K             |
| EM   | 28 • 300 PE  | 780 313 009 | 300             | 28,5 | 42 | 36,4 | 40,2 | K             |
| EK   | 5 • 100 PEC  | 780 310 005 | 100             | 5,5  | 30 | 25   | 20   | K             |
| EM   | 9 • 140 PEC  | 780 310 007 | 140             | 9    | 30 | 23,5 | 29,5 | K             |
| EM   | 14 • 140 PEC | 780 310 010 | 140             | 14   | 30 | 23,5 | 29,5 | K             |
| EM   | 16 • 140 PEC | 780 310 012 | 140             | 16   | 30 | 23,5 | 29,5 | K             |
| EM   | 16 • 180 PEC | 780 310 014 | 180             | 16   | 50 | 40   | 36,5 | K             |

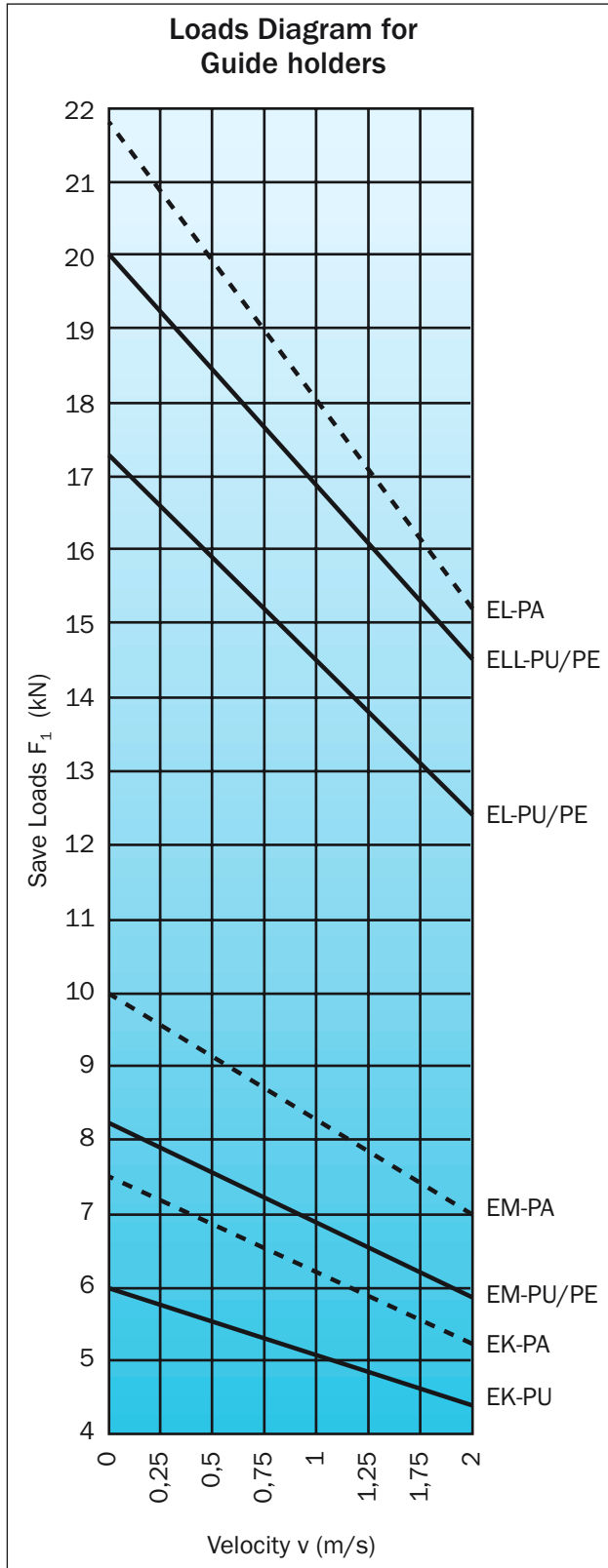
Subject to technical alterations.

For further information, please request relevant technical drawings and data-sheets.

# Lift products



## Load limits for Guide holders



The permissible dynamic loads for guide holders made from polyurethane (PU) and polyamide (PA) are valid only for guide systems with a lubricating device. Polyethylene (PE) guide holders can be used with or without a lubricating device.

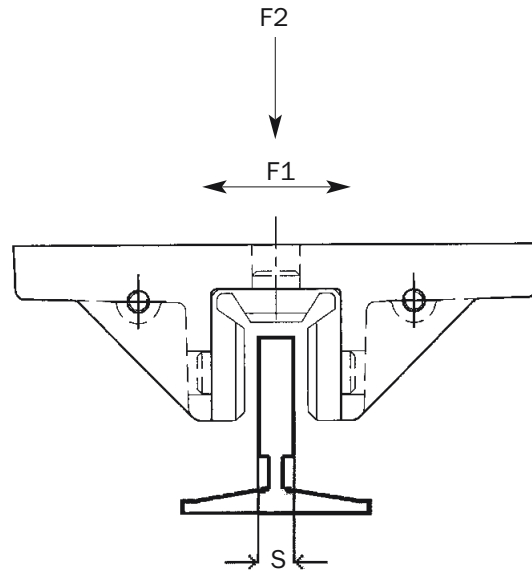
The loads  $F_2$  are calculated using the following formulae:

Size Typ EK:  $F_2 = F_1 \times 0,040 \times S$

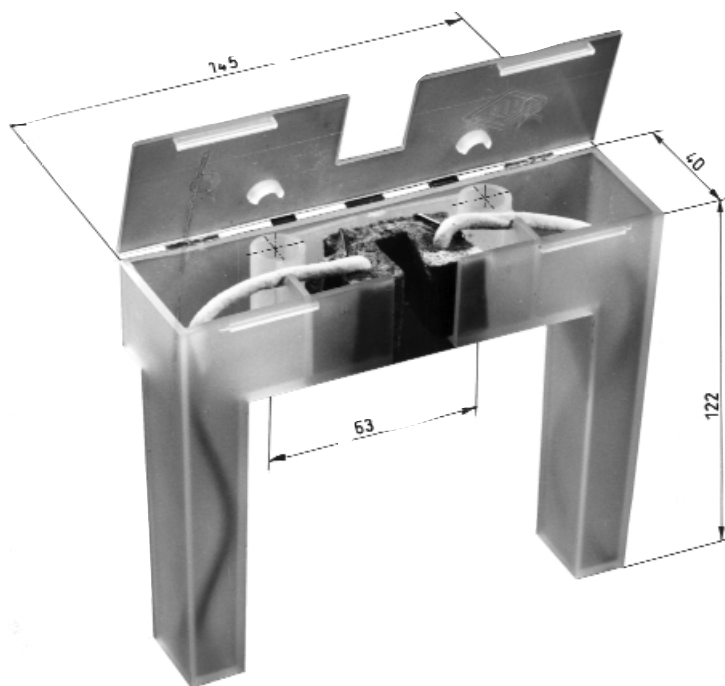
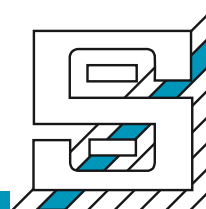
Size Typ EM:  $F_2 = F_1 \times 0,042 \times S$

Size Typ EL:  $F_2 = F_1 \times 0,025 \times S$

Size Typ ELL:  $F_2 = F_1 \times 0,035 \times S$



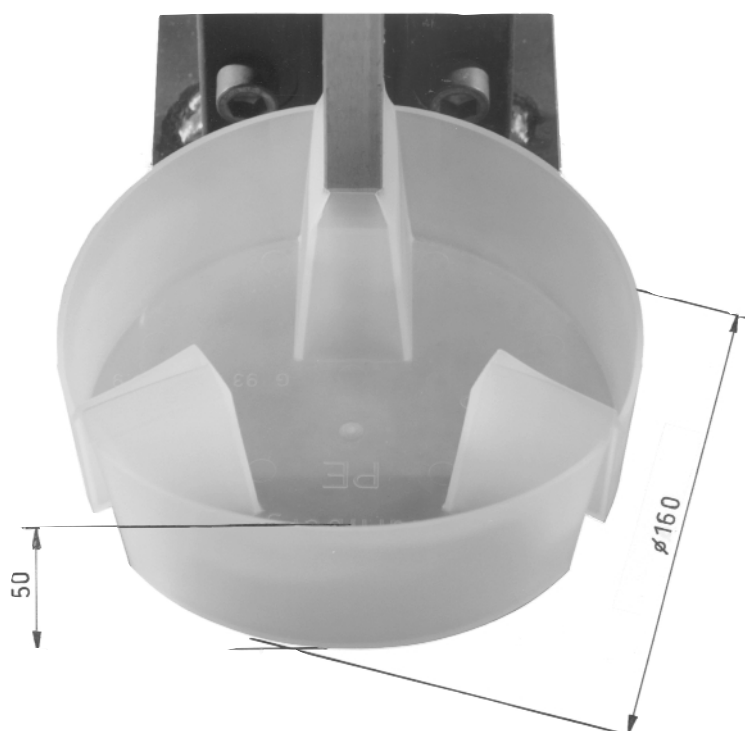
$S$  = guide width



## Plastic Guide rail lubricator

- universal application for guide rail widths 5–16 mm
- robust design
- large oil storage capacity
- for easy assembly – also in pre – assembled guide holder
- can be added on to existing guide holders
- oil-sparing due to capillary action

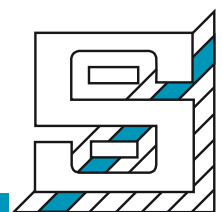
Item-No.: 780 305 000



## Plastic Oil collecting reservoir

- universal application for guide rail with 5–16 mm
- robust design
- large oil storage capacity
- easy and safe to empty
- stackable – space saving

Item-No.: 780 306 001



## P+S Polyurethan-Elastomere